

**THE PANAMA CANAL RECORD**

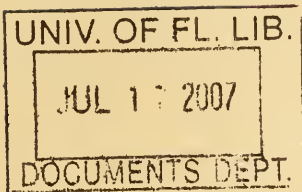
---


**VOLUME 31**

*Gift of the Panama Canal Museum*

99-1-930(c2)

W79.5:V.31





Digitized by the Internet Archive  
in 2010 with funding from  
Lyrasis Members and Sloan Foundation













# THE PANAMA CANAL RECORD

PUBLISHED MONTHLY UNDER  
THE AUTHORITY AND SUPER-  
VISION OF THE PANAMA CANAL

AUGUST 15, 1937 TO JULY 15, 1938

---

---

VOLUME XXXI  
WITH INDEX

---

---

THE PANAMA CANAL  
BALBOA HEIGHTS, CANAL ZONE  
1938

THE PANAMA CANAL PRESS  
MOUNT HOPE, CANAL ZONE  
1938

For additional copies of this publication address The Panama Canal, Washington, D.C., or Balboa Heights, Canal Zone. Price of bound volumes, \$1.00; for foreign postal delivery, \$1.50. Price of current subscription, \$0.50 a year, foreign, \$1.00.

# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.

*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXI Balboa Heights, C. Z., August 15, 1937 No. 1

## Traffic Through the Panama Canal in July 1937

The total vessels of all kinds transiting the Panama Canal during the month of July 1937, and for the same month in the two preceding years, are shown in the following tabulation:

	July 1935	July 1936	July 1937		
			Atlantic to Pacific	Pacific to Atlantic	Total
Ocean-going commercial traffic.....	377	456	257	200	457
Local commercial vessels <sup>1</sup> .....	52	38	30	32	62
Noncommercial vessels:					
United States Government.....	26	26	22	22	44
Colombian Government.....	2	2	1		1
For repairs.....	2			1	1
State of New York.....		1			
Total.....	459	523	310	255	565

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC<sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month for the 12 months ended July 31, 1937, as compared with the same period in the previous year:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1935-6	1936-7	1935-6	1936-7	1935-6	1936-7	1935-6	1936-7
August....	395	473	2,102,387	2,398,306	2,019,298	2,396,331	\$1,757,259.77	\$2,051,540.28
September....	391	466	2,095,599	2,428,317	1,994,487	2,526,366	1,780,805.80	2,045,440.82
October....	441	482	2,357,640	2,499,678	2,228,536	2,463,069	1,964,076.81	2,081,758.23
November....	418	368	2,165,559	1,768,738	2,050,422	1,747,368	1,796,820.57	1,488,054.25
December....	459	341	2,382,602	1,655,501	2,187,731	1,538,503	1,997,206.74	1,366,388.58
January....	472	399	2,411,073	1,915,787	2,148,935	1,858,937	2,018,543.52	1,598,323.51
February....	452	377	2,322,013	1,940,611	2,155,031	1,839,788	1,952,682.73	1,602,306.30
March....	526	536	2,714,768	2,770,451	2,634,150	3,016,418	2,293,874.51	2,355,149.04
April....	482	473	2,483,561	2,460,549	2,430,134	2,652,880	2,079,730.70	2,067,026.68
May....	488	544	2,504,215	2,839,127	2,419,652	2,950,925	2,081,103.73	2,376,706.36
June....	481	472	2,449,127	2,450,018	2,459,752	2,670,466	2,073,359.39	2,070,337.89
July....	456	457	2,364,539	2,395,306	2,450,324	2,476,366	1,999,105.18	2,029,642.45
Total....	5,461	5,388	28,353,083	27,522,389	27,178,452	28,134,417	23,794,569.45	23,132,674.39

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## Traffic by Nationality of Vessels<sup>3</sup> for July 1937

Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo	Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo
British.....	489	530,371	497,268	Japanese.....	25	152,660	181,094
Chilean.....	2	8,126	10,096	Netherlands.....	24	89,077	96,365
Chinese.....	2	7,893	13,113	Norwegian.....	50	242,804	287,186
Danish.....	18	91,194	87,823	Panamanian.....	15	34,354	43,643
Estonian.....	1	2,337		Spanish.....	2	9,085	15,280
French.....	9	47,225	42,278	Swedish.....	10	44,784	55,856
German.....	30	111,645	139,793	United States.....	163	942,997	955,543
Greek.....	10	46,884	31,481	Yugoslav.....	1	3,987	7,150
Honduran.....	2	3,140	632				
Italian.....	4	26,743	11,765	Total.....	457	2,395,306	2,476,366

<sup>3</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

<sup>4</sup> Includes two naval vessels of 19,700 tons displacement.

### Traffic by Trade Routes, July 1937

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table, the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo frequently is laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route.

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal . . . . .	58	349,427	209,307	59	343,286	438,844
East coast United States and:						
Canada . . . . .	3	14,462	.....	4	17,048	24,840
Central America . . . . .	1	1,570	.....	1	1,570	632
South America . . . . .	20	85,562	28,228	15	69,793	181,366
Hawaiian Islands . . . . .	3	15,016	11,983	4	20,128	28,368
Australasia . . . . .	9	52,927	60,668	1	4,673	8,000
Philippine Islands . . . . .	8	48,751	47,477	18	108,266	133,261
Far East . . . . .	44	231,156	354,838	5	31,933	32,549
Canadian intercoastal . . . . .	2	9,611	10,930	.....	.....	.....
East coast Canada and:						
United States . . . . .	2	10,576	8,192	.....	.....	.....
South America . . . . .	2	6,645	2,250	2	12,172	24,201
Australasia . . . . .	4	24,019	25,227	2	9,707	9,762
Philippine Islands . . . . .	1	6,617	5,720	.....	.....	.....
Far East . . . . .	2	14,089	16,101	.....	.....	.....
East coast Central America and Australasia . . . . .	1	4,631	7,355	.....	.....	.....
South American intercoastal . . . . .	2	5,468	5,021	.....	.....	.....
East coast South America and:						
United States . . . . .	.....	.....	.....	1	4,962	6,110
Canada . . . . .	1	4,128	6,588	.....	.....	.....
Far East . . . . .	3	19,085	17,332	.....	.....	.....
Cristobal and:						
Central America . . . . .	4	3,727	2,972	6	6,017	4,916
South America . . . . .	13	7,707	3,060	15	9,184	11,610
West Indies and:						
United States . . . . .	4	24,436	.....	5	30,227	59,379
South America . . . . .	2	6,003	10,396	.....	.....	.....
Balboa . . . . .	1	5,160	10,340	1	5,946	.....
Europe and:						
United States . . . . .	11	60,399	7,974	7	47,878	74,217
Canada . . . . .	23	140,901	70,652	19	102,965	138,916
Central America . . . . .	2	10,810	7,944	2	6,245	5,484
South America . . . . .	18	114,267	44,046	24	139,948	206,639
Hawaiian Islands . . . . .	1	5,672	6,963	.....	.....	.....
Australasia . . . . .	6	58,530	38,128	4	31,886	23,367
Africa and:						
United States . . . . .	1	2,912	4,334	1	2,774	4,000
Canada . . . . .	.....	.....	.....	1	5,409	7,753
Egypt and South America . . . . .	.....	.....	.....	1	4,866	10,400
Around the world . . . . .	3	27,969	12,290	1	4,861	5,436
Foreign vessels in ballast (United States intercoastal) . . . . .	.....	.....	.....	1	1,329	.....
Vessels not engaged in commerce . . . . .	<sup>5</sup> 2	.....	.....	.....	.....	.....
Total . . . . .	257	1,372,233	1,036,316	200	1,023,073	1,440,050

<sup>5</sup> Two naval, 19,700 tons displacement.

### Origin and Destination of Cargo by Major Areas, July 1937

The following table summarizes the origin of cargo passing through the Canal in July 1937, and its destination by major geographical trade areas:

#### ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States . . . . .	218,973	14,815	417,591	27,585	48,466	727,430
Other North America . . . . .	18,745	26,528	13,751	20,384	34,552	113,960
Europe . . . . .	64,108	26,519	.....	39,589	37,421	167,637
Miscellaneous . . . . .	12,757	80	8,943	4,826	683	27,289
Total . . . . .	314,583	67,942	440,285	92,384	121,122	1,036,316



## PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	433,275	71,571	115,256	7,825	627,927
Canada.....	24,840	1,922	95,179	8,819	130,760
Other North America.....	29,567	5,013	5,484		40,064
South America.....	178,296	40,283	205,209	10,428	434,216
Australasia.....	15,161	5,014	20,954		41,129
Asia.....	162,026	3,928			165,954
Total.....	843,165	127,731	442,082	27,072	1,440,050

## Principal Commodities

Commodities in transit through the Canal which aggregated 10,000 or more tons either during July 1937 or July 1936 are listed below:

Commodity	July		Commodity	July	
	1936	1937		1936	1937
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic</i>		
Asphalt and tar.....	9,950	22,548	Asphalt and tar.....	11,335	9,942
Automobiles and parts.....	23,296	31,733	Beans, edible, dry.....	7,845	13,466
Canned goods, various.....	12,142	9,983	Borax.....	7,881	15,484
Cement.....	9,583	19,264	Canned goods, various.....	53,568	51,006
Coal and coke.....	11,810	12,498	Coffee.....	11,039	14,651
Iron and steel.....	150,042	202,737	Cold storage (food products) <sup>6</sup> .....	22,103	15,381
Machinery.....	13,219	19,425	Copra.....	15,273	9,938
Manufactured goods.....	4,042	11,512	Cotton, raw.....	12,924	12,801
Metals, various.....	12,636	126,289	Flour.....	19,687	16,023
Oils, mineral.....	59,104	52,412	Fruit, dried.....	9,474	10,759
Ores.....	29,670	23,045	Lumber.....	263,316	324,907
Paper and paper products.....	36,054	44,355	Metals, various.....	54,440	54,058
Phosphates.....	33,452	51,112	Molasses and syrups.....	27,426	9,045
Scrap metals.....	116,947	116,766	Nitrates.....	92,584	56,794
Soda and sodium compounds.....	1,473	10,022	Oats.....	12,718	4,700
Sulphur.....	26,014	29,274	Oils, mineral.....	435,966	306,973
Textiles.....	16,278	8,423	Oils, vegetable.....	19,543	16,948
Timplate.....	20,187	23,268	Ores (principally iron).....	175,456	204,967
Wood pulp.....	7,727	12,867	Paper and paper products.....	8,938	14,293
			Sugar.....	153,037	114,751
			Wheat.....	97,154	21,107
			Wood pulp.....	12,150	22,402

<sup>6</sup> Does not include fresh fruit.

## Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of July 1937, as reported in the cargo declarations showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo;" the statistics accordingly are not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts.....			17	
Agricultural implements.....	1,306		6,313	2
Alfalfa meal.....		404		404
Ammonium compounds.....	386		7,668	
Animal foods <sup>7</sup> .....	76	72	76	72
Apparel, wearing (hats, shoes, clothing, etc.).....	205		389	2
Asbestos.....	744		5,112	

<sup>7</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Asphalt and tar	656	9,730	22,548	9,942
Automobiles (and autotrucks)	3,575	39	22,256	71
Automobile parts and accessories	602	121	9,477	123
Bags and bagging, textile	291	16	496	276
Bamboo and products				355
Bananas				2,117
Barks, miscellaneous		14	51	501
Barley		61		1,988
Beans, edible, dry	59	3,446	59	13,466
Beer	60		265	
Beverages, nonalcoholic	142		142	
Blood and tankage			757	
Bones and bone meal		19	1,126	19
Books and printed matter	18	175	18	175
Borax	201	828	211	15,484
Bran and pollards			39	1,488
Bricks and tile	289		1,008	36
Camphor, crude				127
Canned and preserved goods:				
Fish	793	9,545	1,185	12,566
Fruit	936	17,282	973	29,161
Meat	552	120	1,797	533
Milk			684	115
Soup	1,435		1,497	3
Vegetables	1,016	3,783	1,036	4,428
Miscellaneous and unclassified	2,203	3,855	2,811	4,200
Carbon black	1		1,213	
Celite		895		895
Cement	475	57	19,264	60
Chalk			1,312	
Charcoal	90		90	
Chemicals <sup>7</sup>	3,613	1,169	9,300	1,959
Clay, china and fire	436	395	1,122	421
Clay, filtering		151	20	151
Coal	872		4,009	
Cocoa and cacao beans	286		1,174	2,272
Coconuts and products <sup>7</sup>	8	1,068	161	1,210
Coffee	46	16	5,528	14,651
Coke			8,489	
Cold storage and refrigerated products:				
Dairy products	185	193	374	6,190
Eggs				195
Fish			18	305
Lard	487		586	69
Meats	165	279	360	8,317
Poultry		101		101
Vegetables			19	81
Other and unclassified	20	116	55	123
Confectionery	1,039		1,097	
Copra		370	28	9,895
Copra meal and cake				43
Corn			70	500
Cotton, raw	144	729	9,633	12,801
Creosote			7,974	
Drugs and medicines	2,165	31	2,413	67
Dyes			424	
Earthenware	2		100	208
Eggs, dried		178		1,490
Electrical apparatus and appliances	1,508	103	2,337	201
Enamelware, metalware	291		376	
Explosives			507	373
Extract, quebracho			1,612	
Fertilizers <sup>7</sup>	428		4,717	
Fish meal			335	3,419
Floor coverings	1,531	912	1,710	987
Flour	63	13,434	330	16,023
Fruit, dried	30	5,135	45	10,759
Fruit, fresh <sup>7</sup>		1,813	3	2,375
Furniture and household goods	525	119	606	149
Gallnuts				28
General	20,517	8,049	53,289	14,089
Glass and glassware	2,482	179	6,116	801
Glue	36	13	36	26
Groceries	447	172	2,642	1,097
Gums	82		92	321
Grains <sup>7</sup>		34	128	72
Hair, all kinds		125	30	506
Hay		212		217
Hemp, unmanufactured	77	263	119	1,791
Honey		81		301

<sup>7</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Hops		2		2
Infusorial earth		534		1,224
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	86,762	1,404	202,737	1,473
Ivory nuts			454	3,032
Jute, unmanufactured	27		132	58
Lard substitute	275		275	87
Lime			82	
Liquors	2,534	376	4,289	397
Lumber (including manufactured mill products)	1,860	209,397	2,940	324,907
Machinery	3,955	1,081	19,425	1,293
Malt	11	31	1,343	295
Manufactured goods <sup>7</sup>	6,451	1,366	11,512	3,663
Marble and granite	24		310	
Matches	215	36	442	36
Metals:				
Antimony	25	90	25	90
Copper	101	3,084	5,573	34,905
Gold and silver				239
Iron	3,819		113,346	31
Lead	62	2,492	3,913	10,995
Tin	137	38	347	332
Zinc			1,425	5,876
Other and unclassified	228	4	1,660	1,500
Milk, powdered		371	30	440
Molasses and syrups	459		509	9,045
Nitrates			2,062	56,794
Nuts, edible (including meats)	82	35	295	143
Oats	46	383	97	4,700
Oils, mineral:				
Crude		303	28	110,148
Gas and fuel	55		20,791	18,461
Gasoline, benzene, and naphtha	92	67,018	4,199	133,409
Kerosene		7,187	176	43,547
Lubricating and greases	6,135	1,241	27,218	1,396
Other and unclassified				12
Oils, vegetable:				
Coconut			101	4,351
Cottonseed	8		697	2,335
Linseed	170		1,170	
Olive	7	23		23
Peanut			11	1,083
Rapeseed				20
Teaseed				766
Wood	16	34	16	3,754
Other and unclassified	107	56	1,541	4,616
Oil, fish			103	196
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)			4,334	697
Oilseed cake and meal	18		18	7,448
Ores:				
Antimony				3,255
Chrome	21	384	23	16,484
Copper			8,192	3,318
Gold and silver				4,290
Iron			452	142,850
Lead				1,634
Magnesite		5,072	210	10,565
Manganese	92		185	1,997
Tin	45		45	4,142
Zinc	45		3	13,918
Other and unclassified	278	20	13,935	2,514
Paints and varnishes	1,415	158	3,229	210
Paper and paper products <sup>7</sup>	13,149	7,114	44,385	14,293
Peanuts	242		242	912
Peas, dry				297
Peatmoss			1,385	
Phosphates	1,471		51,112	
Plaster			1	
Porcelainware	311	427	1,174	4,774
Potash		1,349	2,636	1,397
Pyrethrum flowers				44
Rags and waste	249	132	1,177	1,475
Railroad material	1,620		2,656	
Rice	184	33	353	786
Rope and twine	333	190	603	339
Rosin	634	130	3,724	130
Rubber:				
Manufactured	1,532	318	2,071	502
Raw	20	667	20	3,990
Scrap			443	889

<sup>7</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Salt.....	380	352	3,954	352
Sand.....	54		3,631	500
Scrap metal.....	90	531	116,766	690
Seeds (except oilseeds).....	20	153	333	517
Sewer pipe (concrete and terra cotta).....			963	
Shells, oyster.....	595		599	19
Silk, raw.....		121	4	1,945
Skins and hides.....		1,171	1,287	5,991
Slag.....			2,146	
Slate.....	453		453	
Soaps and products.....	2,010	169	2,087	429
Soda and sodium compounds:				
Soda ash.....	5,111		6,718	462
Soda, caustic.....	541		2,150	
Miscellaneous and unclassified.....	547		1,154	8,121
Soy beans.....			149	35
Sugar.....	36	7,201	2,544	114,751
Sulphur.....	11,233		29,274	
Talc.....		23		74
Tallow.....	12	412	44	1,140
Tea.....	25	1	124	580
Textiles <sup>8</sup> .....	3,575	91	8,423	7,385
Tinplate.....	4,020	48	23,268	128
Tobacco and manufactures.....	458	77	4,451	353
Toilet preparations.....	176	31	506	158
Turpentine.....	79		136	
Vegetables, dry <sup>7</sup> .....		5	24	798
Wall board.....			262	1,202
Wax, paraffin.....	185		1,097	28
Wheat.....		103	31	21,107
Wines.....	120	683	762	1,961
Wood pulp.....	294	19,890	12,867	22,402
Wool.....	59	3,731	171	6,815
Total, July 1937.....	218,973	433,275	1,036,316	1,440,050
Total, July 1936.....	280,463	413,871	801,517	1,648,807
Total, July 1935.....	190,494	290,248	649,105	1,128,710

<sup>7</sup> Except as otherwise classified.    <sup>8</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows the tanker traffic through the Canal during the month of July 1937, classified according to trade routes:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	9	52,082		8	45,548	* 85,692
East coast United States and Hawaiian Islands.....				1	4,412	<sup>9</sup> 7,299
East coast Canada and:						
United States.....	1	5,966				
South America.....				2	12,172	24,201
South American intercoastal.....	1	4,455	3,958			
West Indies and:						
United States.....	4	24,436		5	45,548	85,692
South America.....	1	4,910	10,396			
Balboa.....	1	5,160	10,340	1	5,946	
Europe and:						
United States.....	10	57,912	7,974	5	39,233	61,745
Central America.....	1	6,204				
South America.....	4	25,745		7	41,826	83,969
Total.....	32	186,870	32,668	29	179,364	322,285

\* Includes 9,730 tons asphalt.    <sup>9</sup> Molasses



## Comparison of Canal Traffic in July 1937, with July Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of July			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1915	160	(000 omitted) 10 542	(000 omitted) 715	1915	<sup>11</sup> 100	(000 omitted) 361	(000 omitted) 466
1916	137	451	623	1916	60	199	258
1917	174	556	664	1917	145	483	588
1918	161	496	584	1918	165	547	627
1919	153	510	568	1919	162	510	576
1920	216	855	866	1920	199	712	781
1921	195	810	709	1921	232	950	966
1922	248	1,128	1,211	1922	222	951	907
1923	465	2,309	2,338	1923	325	1,550	1,631
1924	412	2,035	2,097	1924	429	2,179	2,249
1925	403	1,950	1,960	1925	382	1,904	1,996
1926	445	2,154	2,185	1926	424	2,064	2,169
1927	492	2,405	2,449	1927	441	2,184	2,311
1928	492	2,317	2,291	1928	521	2,453	2,468
1929	512	2,467	2,597	1929	524	2,485	2,554
1930	473	2,438	2,401	1930	502	2,497	2,502
1931	394	2,109	1,865	1931	447	2,314	2,089
1932	299	1,675	1,259	1932	364	1,968	1,650
1933	382	2,050	1,698	1933	347	1,900	1,513
1934	394	2,177	1,934	1934	436	2,379	2,059
1935	377	2,036	1,778	1935	432	2,317	2,109
1936	456	2,365	2,450	1936	449	2,335	2,209
1937	457	2,395	2,476	1937	449	2,291	2,342
				( <sup>12</sup> )	465	2,396	2,495

<sup>10</sup> Canal opened August 15, 1914. <sup>11</sup> Average for 10½ months. <sup>12</sup> Average 7 months of calendar year 1937.

### Terminal Activities

Ships repaired during the month of July 1937 numbered 53; of this number 14 were drydocked. Fuel oil in the quantity of 269,777 barrels was delivered as bunkers to 110 commercial ships. Bunker coal amounting to 8,927 tons was delivered to 30 commercial ships. Sales of commissary supplies to ships aggregated \$64,135.38.

### Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving..... tons..	21,762	8,540	30,302
Local cargo shipped..... tons..	4,340	3,402	7,742
Cargo received for transshipment..... tons..	48,277	3,591	51,868
Cargo transhipped..... tons..	45,657	3,249	48,906
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	11	2	13
Number of releases issued.....	59	19	78
Tons received.....	135	7	142
Tons withdrawn.....	96	9	105

### All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal..	528	3,239,957	1,928,978	510	2,984,012	1,790,081
Vessels entering port but not transiting Canal.	59	321,591	180,599	11	55,419	30,155
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	150	998,552	587,405	62	447,597	263,241
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	524	3,240,757	1,929,318	511	2,997,918	1,808,745
Vessels clearing port but not transiting Canal.	56	306,436	171,512	10	49,630	26,866
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	149	1,006,907	592,164	62	447,597	263,241

## Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight, July 10, 1937, to midnight, August 10, 1937. Figures after names of vessels show, respectively, tons discharged and tons laden:

## CRISTOBAL

Ancon, 0, 1,523	Friesland, 0, 483	San Anselmo, 305, 0	Ino, 587, 29	Weser, 534, 1,075
Naruto Maru, 737, 0	Ino, 567, 69½	Deroche, 1,410, 0	Tolosa, 686, 253	Cali, 1,341, 274
Trois Ilets, 297, 0	Cali, 1,005, 287	Ulua, 413, 298	Haiti, 300, 610	Calamares, 599, 500
Annie Johnson, 173, 145	Kyphissia, 83, 370	City of Dalhart, 455, 0	Durazzo, 1,431, 0	Lebore, 11,641, 0
Veragua, 8, 67	Register, 196, 19	Clio, 621, 87	Dresden, 242, 128	Pastores, 87, 1,484
Caribia, 205, 33	Quirigua, 32, 36	Venezuela, 0, 1,864	Istmo, 719, 111	Costa Rica, 1, 1,263
Roda, 47, 0	Eridan, 0, 24	Nuevo Panama, 0, 196	Trois Ilets, 370, 20	Hindanger, 3, 0
Salvador, 0, 552	Caribia, 23, 2,225	Cerigo, 1,184, 491½	Manizales, 6, 406	Istmo, 720, 242
Durazzo, 0, 594	Hermontbis, 45, 177	Istmo, 649, 282	Kwanto Maru, 611, 0	Nuevo Panama, 0, 226
Laurits Swenson, 21, 1	Kirishima Maru, 459, 7	Cutodian, 226, 31	Veragua, 5, 74	Trois Ilets, 373, 177
West Ira, 0, 312	Santa Paula, 836, 31	Peten, 5, 68	Pasajero, 0, 4	Limon, 228, 58
America, 30, 0	Orbita, 48, 758	Tai Yin, 727, 0	Vancouver, 175, 648	Allister, 400, 0
San Angelo, 232, 0	Cefalu, 132, 845	Patricia, 511, 1,137	Washington, 540, 268	Chisone, 65, 0
Contessa, 123, 1,052	Orazio, 1, 636	Mayan, 716, 1,070½	Santa Elena, 231, 26	Santa Rita, 442, 0
Margaret Johnson, 4, 186	Acajutla, 361, 605	San Antonio, 66, 20	Alabama, 375, 424	Quirigua, 39, 63
Santa Maria, 596, 77	Santa Lucia, 241, 18	Karnak, 97, 13	Boskoop, 155, 953	Nuernberg, 241, 29
Oropesa, 68, 0	Nabraska, 400, 273	Schwaben, 251, 126	Cefalu, 531, 634	Chincha, 121, 0
Pereira, 930, 609	Cristobal, 4,669, 901	Contessa, 234, 672	San Clemente, 316, 0	Steele, 9,832, 0
Vito, 778, 0	Santa Barbara, 270, 46½	Mantilla, 3,446, 0	Baru, 0, 87½	Seattle, 156, 281
Traveller, 326, 0	President Wilson, 145, 0	Santa Inez, 142½, 128	Vestvard, 1½, 0	Phrygia, 8, 642
San Jose, 8, 732	Augsburg, 8, 151	Lysefjord, 37, 511	Vaiparaiso, 2, 167½	Ino, 608, 11
Guayaquil, 931, 427	Hokkai Maru, 751, 172	Chipana, 48, 78	Santa Clara, 284, 50	Anna Knudsen, 11,557, 0
R. L. Hustler, 11, 0	Venezuela, 50, 119	Velma Lykes, 1,375, 7	Santa Luisa, 505, 31	Pereira, 665, 0
Quirigua, 125, 7	Peten, 94, 100	Buenaventura, 1,562, 601	Dinteldijk, 315, 251	Eastern Glade, 10, 0
Santa Rita, 380, 97	Santa Rosa, 98, 8½	Delftdijk, 170, 3	Grete Maersk, 684, 11	San Bernardino, 1,121, 0
Osnabruck, 409, 425	Kamikawa Maru, 781, 0	Loreto, 0, 692	Ancon, 3,850, 986	Orduno, 41½, 981
Breda, 108, 220	Metapan, 820, 207	Flandre, 124, 483	Salvador, 616, 725	Canadian Highlander, 57, 39
Istmo, 715, 92	Olancho, 1, 639	Veragua, 134, 13	Nagara Maru, 489, 0	Elbe, 241, 495
Santa Marta, 756, 73	Firmore, 12,223, 0	San Simeon, 24, 3	Curaca, 301, 15	Smaragd, 19, 584
Kiyokawa Maru, 0, 1	Almeria Lykes, 317, 738	Sixaola, 558, 217	Muenchen, 33, 770	Tillie Lykes, 540, 0
Calamares, 488, 284	Colombia, 73, 564	Reina del Pacifico, 94, 28	Quiriza, 24, 58	Contessa, 38, 414
Pastores, 58, 1,403		Virgilio, 124, 137	Santa Paula, 238, 340	
Portland, 338, 174		Costa Rica, 28, 71	Tivives, 1,061, 358	
			Clio, 591, 103	
			Indien, 628½, 680	

## BALBOA

Tacoma, 560, 123	St. Mihiel, 758, 757	Tai Yin, 276, 0	Talamanca, 422, 0	Curaca, 65, 16
Antigua, 422, 52	Portland, 78, 0	Chiriqui, 380, 31	Takaoka Maru, 81, 1	Weser, 1, 155
West Ira, 930, 0	Pereira, 0, 150	Axel Johnson, 113, 0	Santa Elena, 173, 47	Santa Paula, 3, 14
Salvador, 0, 32	Warwick, 5,271, 0	San Antonio, 0, 214	Grete Maersk, 84, 0	Florida Maru, 145, 0
Charleston, 12, 0	Acajutla, 1, 0	Trois Ilets, 279, 0	Vancouver, 247, 21	Anitgua, 265, 65
Santa Maria, 27, 1	Santa Paula, 171, 10	President Van Buren, 8, 4	Salvador, 2, 0	Santa Rita, 3, 1
Nailsea Court, 271, 3	Santa Lucia, 16, 0	Rotorua, 52, 0	Rotorua, 52, 0	Antares, 11, 0
President Pierce, 8, 0	Nebraska, 0, 97	Pennsylvania, 30, 187	Boskoop, 188, 22	Salvador, 0, 33
Republic, 89, 2	Santa Barbara, 132, 2	Rio de Janeiro Maru, 0, 10	Indien, 1,065, 48	Scottish Castle, 9,435, 0
Breda, 459, 0	Santa Rosa, 41, 5	Buenos Aires, 937, 0	Santa Lucia, 179, 9	
Santa Rita, 182, 51	City of Dalhart, 140, 0	Mayan, 0, 27	Santa Clara, 38, 0	
Osnabruck, 488, 0	Chateau Thierry, 89, 5		Vinland, 1,124, 0	

NOTE.—Figures shown represent short tons of 2,000 pounds.

## Comparison of Traffic at the Suez and Panama Canals for the Fiscal Years 1936 and 1937

The following is a comparison of traffic at the Suez and Panama Canals for the fiscal years 1936 and 1937:

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1936	1937	Increase	Decrease	1936	1937	Increase	Decrease
July	487	466	.....	4.3	377	456	.....	21.0
August	503	471	.....	6.4	395	473	.....	19.7
September	531	479	.....	9.6	391	466	.....	19.2
October	604	490	.....	18.6	441	482	.....	9.3
November	548	511	.....	6.8	418	368	.....	11.9
December	493	508	.....	3.0	459	341	.....	25.7
January	533	575	.....	7.9	472	399	.....	15.5
February	471	524	.....	11.3	452	377	.....	16.6
March	548	580	.....	5.8	526	536	.....	1.9
April	490	621	.....	26.7	482	473	.....	1.9
May	484	567	.....	17.2	488	544	.....	11.5
June	426	540	.....	26.8	481	472	.....	1.9
Total	6,118	6,332	.....	3.5	5,382	5,387	.....	0.1

Movements of Ocean Vessels Through the Panama Canal  
From midnight July 10, 1937, to midnight August 10, 1937

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Wyoming	10	11	Fr.	French Line	Antwerp, Belg.	Vancouver, B. C.	Coke, chalk	7,321
Trontolite <sup>2</sup>	10	11	Brit.	Imperial Oil Co.	Barranquilla, Col.	B'ventura, Col.	Gasoline	3,958
Armadales <sup>2</sup>	10	11	Brit.	Australia-Amer. Line	New York, N. Y.	Frem'tle, Aus'lia.	General	5,374
Gracia	11	11	Brit.	Donaldson Line	Glasgow, Scotland	Vancouver, B. C.	General	1,091
Annniston City	11	11	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Honolulu, T. H.	General	3,895
Egyptian Reefer <sup>2</sup>	11	11	Dan.	J. Lauritzen	Odense, Denmark	S. Francisco, Cal.	Ballast	.....
St. Woolos	11	11	Brit.	Continental Grain Co.	Houston, Tex.	Yokohama, Japan	Scrap iron	9,500
Robert Luckenbach	11	11	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	5,014
Nuevo Panama <sup>2</sup>	10	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	250
Tacoma	10	12	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Vancouver, B. C.	( <sup>14</sup> )	8,133
Istmo	10	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	400
Kahuku	11	11	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Tacoma, Wash.	Steel gen.	5,645
Sambu <sup>2</sup>	10	10	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Tuira <sup>2</sup>	10	10	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Nike II <sup>5</sup>	3	3	Amer.	W. F. Daniels	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Essex <sup>2</sup>	11	12	Brit.	N. Z. Shipping Co.	Liverpool, Eng.	Dunedin, N. Z.	General	9,833
West Cussetta <sup>2</sup>	11	12	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Yokohama, Japan	Steel	6,837
Heffron	11	12	Amer.	Pac. Coast Dir. Line	New York, N. Y.	Seattle, Wash.	Steel gen.	8,385
Mydrecht <sup>2</sup>	11	12	Neth.	Standard Oil Co	Antwerp, Belgium	Los Angeles, Cal.	Ballast	.....
Steel Seafarer	12	12	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Singapore, St. Set.	General	8,405
Pennington Court	12	12	Brit.	Canadian Transp. Co.	Montreal, Canada	Vancouver, B. C.	General	7,670
Anadara <sup>2</sup>	11	12	Brit.	Anglo-Saxon Pet. Co.	Montreal, Canada	Los Angeles, Cal.	Ballast	.....
Annie Johnson <sup>2</sup>	12	12	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B. C.	General	4,065
Maria Cristina <sup>2</sup>	12	12	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	2
Laurits Swenson <sup>2</sup>	12	13	Nor.	Fred Olsen Line	Sanda, Norway	Vancouver, B. C.	General	6,704
Hai Da	12	13	Chin.	Wah Shang S. S. Co.	New York, N. Y.	Pukow, China	Sulphur	5,000
Katrine Maersk <sup>2</sup>	12	13	Dan.	A. P. Moller	Donges, France	Los Angeles, Cal.	Ballast	.....
Liberty Glo	13	13	Amer.	McCormick S. S. Co.	Norfolk, Va.	Tacoma, Wash.	General	4,407
Point Estero	13	13	Amer.	Gulf Pacific Line	Houston, Tex.	Seattle, Wash.	General	6,457
Brilliant <sup>2</sup>	13	13	Amer.	Soony Vac. Oil Co.	Albany, N. Y.	Los Angeles, Cal.	Ballast	.....
Charleston <sup>2</sup>	13	13	Amer.	U. S. Navy	U. S. port	Balboa, C. Z.	Ballast	.....
Salvador	6	14	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champico, Guat.	General	552
Canadian Cruiser	13	14	Brit.	Mont.-Aust.-N.Z. Line	Three Riv., Can.	Sydney, Aust'lia.	Newsprint	4,745
Amerika <sup>2</sup>	13	14	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General	834
Durazo	10	14	Ger.	Hamburg-Amer. Line	Cristobal, C. Z.	Quayquil, Ecu.	General	595
Tai Ping Yang <sup>2</sup>	13	13	Pan.	Barber-Willhelmsen	New York, N. Y.	Moji, Japan	Scrap iron	8,650
San Angelo	13	14	Amer.	Quaker Line	New York, N. Y.	San Diego, Calif.	( <sup>15</sup> )	5,716
Barn <sup>2</sup>	13	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
D. G. Scofield <sup>2</sup>	13	14	Amer.	Standard Oil of Calif.	Providence, R. I.	S. Francisco, Cal.	Ballast	.....
Louisianan	13	14	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Seattle, Wash.	General	2,710
American	13	14	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	2,836
Camden <sup>2</sup>	14	14	Amer.	Shell Oil Co.	Sewaren, N. J.	Los Angeles, Cal.	Ballast	.....
Port Darwin	13	14	Brit.	Mont.-Aust.-N.Z. Line	Montreal, Canada	Wellington, N. Z.	General	6,074
Sambu <sup>2</sup>	13	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Real <sup>2</sup>	13	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Winslow <sup>5</sup>	14	15	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow barge	.....
Taylor <sup>2</sup>	14	15	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Lapwing <sup>10</sup>	14	15	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Soloy <sup>2</sup>	14	15	Nor.	Canadian Gulf Line	Houston, Tex.	Powell Riv., B. C.	Ballast	.....
Holmpark	14	15	Brit.	J. & J. Denholm	Texas City, Tex.	Osaka, Japan	( <sup>16</sup> )	8,374
Robert F. Hand <sup>2</sup>	15	15	Brit.	Standard Oil of N. J.	Belfast, Ireland	El Segundo, Cal.	Ballast	.....
Hagan <sup>2</sup>	15	15	Amer.	Shell Petroleum Co.	Fall River, Mass.	Los Angeles, Cal.	Ballast	.....
Scottish Borderer <sup>2</sup>	24	16	Brit.	Standard Oil of N. Y.	Falmouth, Eng.	Talara, Peru	Ballast	.....
Lillian Luckenbach	15	15	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	3,368
Frank <sup>2</sup>	15	16	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>17</sup>	Gen., paper	4,892
President Pierce	15	16	Amer.	Dollar Line	Boston, Mass.	Round the world.	General	4,050
Foylebank <sup>2</sup>	15	16	Brit.	Bank Line, Ltd	Boston, Mass.	Shanghai, China	General	2,449
California	16	17	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	7,613
Fernbrook <sup>2</sup>	15	16	Nor.	Fern Line	Port Tampa, Fla.	Niihama, Japan	( <sup>18</sup> )	.....
S-42 <sup>2</sup>	15	16	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
S-44 <sup>2</sup>	15	16	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Kiyosumi Maru <sup>2</sup>	15	16	Jap.	Kokusai K. Kaisha.	New York, N. Y.	Kobe, Japan	Pig iron, gen.	7,397
S-43 <sup>2</sup>	15	16	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
S-45 <sup>2</sup>	15	16	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
S-46 <sup>2</sup>	15	16	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Deebank	16	21	Brit.	Bank Line, Ltd	Tampico, Mexico	Adelaide, Aust'lia	Asphalt, gen.	7,705
Mallard <sup>18</sup>	16	17	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Ida F <sup>5</sup>	16	17	Amer.	D. McAlister	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....
Osnabruck <sup>2</sup>	16	18	Ger.	North German Lloyd	Hamburg, Ger.	Valparaiso, Chile.	Gen., paper	5,257
Jacob Luckenbach	17	17	Amer.	Luckenbach Line	Houston, Tex.	Tacoma, Wash.	General	6,286
Frank Seamans	17	17	Nor.	States Marine	Boston, Mass.	Kobe, Japan	Pig iron	6,200

<sup>2</sup> Tanker. <sup>3</sup> Motor ship. <sup>4</sup> Motor schooner. <sup>5</sup> Launch. <sup>7</sup> Submarine. <sup>9</sup> Destroyer. <sup>10</sup> Mine sweeper. <sup>11</sup> Gunboat. <sup>12</sup> Iron, cement, general, etc. <sup>15</sup> Steel, pipe, general. <sup>16</sup> Scrap iron and steel. <sup>17</sup> For bananas and return to Cristobal. <sup>18</sup> Phosphate, pig iron.



## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Santa Rita <sup>2</sup>	16	17	Amer.	Grace Line	New York, N. Y.	Antofagasta, Chile	General	2,090
Breda	16	22	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	4,119
Merope <sup>1</sup>	17	17	Fr.	Raffineries de Berre	Berre, France	Talara, Peru	Ballast	
Birmingham City	17	17	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Shanghai, China	Steel pipe	8,529
Harpoon	17	17	Amer.	Shepard Line	Boston, Mass.	Seattle, Wash.	General	3,618
Kiyokawa Maru <sup>2</sup>	17	17	Jap.	Kawasaki K. Kaisha	Philadelphia, Pa.	Dairen, China	(15)	5,116
Svealand <sup>2</sup>	17	18	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Kentuckian	17	17	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	3,216
Istmo	17	17	Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	140
Calmar	17	18	Amer.	Calmar S. S. Corp.	Baltimore, Md.	Seattle, Wash.	Gen., steel	8,714
Cambridge	17	18	Brit.	Amer.-Aust. Line	London, England	Sydney, Aust'lia	General	5,081
Rigmor <sup>1</sup>	18	18	Nor.	Waages Tankrederi	Antwerp, Belgium	Los Angeles, Cal.	Ballast	
Berganger <sup>2</sup>	17	18	Nor.	Intercean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Passengers	
St. Mihiel <sup>8</sup>	17	17	Amer.	U. S. Army	Brooklyn, N. Y.	Balboa, C. Z.	Supplies	327
Sidney M. Hauptman	18	18	Amer.	McCormick S. S. Co.	Norfolk, Va.	Portland, Oreg.	General	5,118
Ino <sup>2</sup>	17	18	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	61
Portland <sup>2</sup>	17	20	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Vancouver, B. C.	General	6,235
Pereira	14	19	Pan.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	827
Baru <sup>2</sup>	17	19	Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Leander <sup>12</sup>	19	19	Brit.	British Government	Kingston, Jamaica	Balboa, C. Z.	Ballast	
Friesland <sup>2</sup>	17	19	Ger.	Hamburg-Amer. Line	New Orleans, La.	Yokohama, Japan	General	9,419
Cambria <sup>13</sup>	18	19	Brit.	Eastern Tel. Co.	St. Thomas, V. I.	Arica, Chile	Ballast	
Amagisan Maru <sup>2</sup>	19	19	Jap.	Mitsui Bussan Kaisha	Boston, Mass.	Yokohama, Japan	Steel, rosin	8,232
Belgium Maru	19	19	Jap.	NipponKagakuKogyo	S. Boca Gr'de Fla.	Japan	Phosphate	7,948
Miralda <sup>2</sup>	19	19	Neth.	Anglo-Saxon Pet. Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
Pacific Grove <sup>2</sup>	19	20	Brit.	Furness, Withy & Co.	Glasgow, Scotland	Portland, Oreg.	General	1,048
Golden Kauri	19	19	Amer.	Isthmian S. S. Lines	New York, N. Y.	Seattle, Wash.	Steel, gen	4,468
Cali	17	19	Ger.	North German Lloyd	Cristobal, C. Z.	Guayaquil, Ecu.	General	261
Baron Cawdor	18	19	Brit.	Hogarth & Sons	Baltimore, Md.	Osaka, Japan	Pig iron	7,000
Amerikaland <sup>2</sup>	19	20	Swed.	Ore S. S. Corp.	New York, N. Y.	Cruz Gr'de, Chile	Ballast	
Eridan <sup>3</sup>	19	19	Fr.	MessageriesMaritimes	Marseilles, France	Noumea, N. Caled	General	2,568
Enoch <sup>3</sup>	19	19	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>		
Luna <sup>2</sup>	19	19	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Darien, R. P.	General	3
Texas Sun <sup>2</sup>	19	20	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	
Point Judith	19	20	Amer.	Wayne & Hoyt	Houston, Tex.	Tacoma, Wash.	Gen., paper	3,132
Frida	19	20	Dan.	West Coast Line	New York, N. Y.	Talebahuano, Chile	General	1,693
Antofagasta	20	20	Chile	Chile-N. Amer. Line	New York, N. Y.	Valparaiso, Chile	(18)	5,157
Montanan	21	21	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	2,161
Gertrude Maersk <sup>2</sup>	21	21	Den.	Isbrandtsen Moller	Boston, Mass.	Manila, P. I.	General	6,400
Washington	21	21	Amer.	Weyerhaeuser S.S. Co.	Norfolk, Va.	Seattle, Wash.	Gen., steel	4,916
New Zealand Star <sup>2</sup>	21	21	Brit.	N. Z. Shipping Co.	London, England	Lyttleton, N. Z.	General	6,416
Flowergate	21	21	Brit.	Chile Nit. Sales Corp.	LasP'imas, Can. Is.	Antofagasta, Chile	Ballast	
Orbita	20	21	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile	General	2,072
Cape York	21	21	Brit.	Isthmian S. S. Lines	Baltimore, Md.	Yokohama, Japan	(17)	8,500
Sambu <sup>2</sup>	20	20	Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	20	20	Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
President Lincoln	22	23	Amer.	Dollar Line	Boston, Mass.	Manila, P. I.	(18)	5,858
Krone	21	22	Nor.	Mitsubishi S. Kaisha	Port Tampa, Fla.	Seikoshin, Korea.	Phosphate	9,272
Taygetos	22	22	Greek	Chile Nit. Sales Corp.	Norfolk, Va.	Iquique, Chile	Ballast	
Nako Maru <sup>2</sup>	22	22	Jap.	Nippon Yusen Kaisha	Boston, Mass.	Kobe, Japan	General	8,300
Nebraska	21	23	Brit.	Royal Mail Lines	Rotterdam, Neth.	Vancouver, B. C.	General	3,698
Santa Barbara <sup>2</sup>	22	23	Amer.	Grace Line	New York, N. Y.	SanAntonio, Chile	General	3,320
Augsburg	22	23	Ger.	North German Lloyd	Antwerp, Belgium	Mazatlan, Mexico	General	7,944
Trois Ilets	11	23	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	Ballast	
Annam <sup>2</sup>	22	23	Dan.	East Asiatic Co.	Charleston, S. C.	Yawata, Japan	Serap iron	9,587
Mauna Loa	22	23	Amer.	Matson Nav. Co.	New York, N. Y.	Honolulu, T. H.	Steel, gen	4,637
Lewis Luckenbach	23	23	Amer.	Luckenbach Line	Providence, R. I.	Seattle, Wash.	General	3,660
Ripley <sup>2</sup>	23	23	Brit.	States Marine Corp.	Boston, Mass.	Yokohama, Japan	Pig iron	8,800
Mina	23	24	Greek	Yamashita Line	Baltimore, Md.	Japanese ports.	Steel	4,050
Santa Rosa	23	24	Amer.	Grace Line	New York, N. Y.	S. Francisco, Cal.	General	2,262
Mataroa	23	24	Brit.	Shaw, Savill & Albion	London, England	Auckland, N. Z.	General	5,656
Michalakis	23	24	Greek	Chile Nit. Sales Corp.	Philadelphia, Pa.	Adelaide, Aust'lia	General	8,129
Floridian	24	24	Amer.	Amer.-Hawaiian Line	Norfolk, Va.	Seattle, Wash.	Ballast	
Nebraskan	24	24	Amer.	Amer.-Hawaiian Line	Jacksonville, Fla.	Seattle, Wash.	General	6,045
Henry D. Whiton	24	24	Amer.	Union Sulphur Co.	Boston, Mass.	Portland, Oreg.	General	3,267
Ringulv	24	24	Nor.	Olaf Ringdal	Freeport, Tex.	Tacoma, Wash.	Sulphur	6,400
Elwood <sup>1</sup>	23	24	Amer.	Shell Oil Co.	Philadelphia, Pa.	Kobe, Japan	Pig iron	6,534
Charles R. McCormick	24	24	Amer.	McCormick S. S. Co.	Chelsea, Mass.	Los Angeles, Cal.	Ballast	
Elna	24	24	Eston.	Chile Nit. Sales Corp.	New York, N. Y.	Seattle, Wash.	Steel, gen	4,960
Chr. Knudsen <sup>2</sup>	25	25	Nor.	Canadian Transp. Co.	Newport, England	Tocopilla, Chile.	Ballast	
Hokuroku Maru <sup>2</sup>	25	25	Jap.	Osaka Shosen Kaisha	Botwood, Nfld.	Tacoma, Wash.	Copper ore	8,192
Porter <sup>9</sup>	25	25	Amer.	U. S. Navy	Philadelphia, Pa.	Kobe, Japan	Iron, gen.	7,562
Steel Engineer	25	25	Amer.	Isthmian S. S. Lines	U. S. ports	Balboa, C. Z.	Ballast	
Scottish Heather <sup>1</sup>	25	25	Brit.	Standard Oil of N. J.	Baltimore, Md.	Seattle, Wash.	Steel, gen	5,594
	25	25	Brit.	Standard Oil of N. J.	Aruba, N. W. I.	SanAntonio, Chile	Fuel oil	10,396

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>8</sup> Transport. <sup>9</sup> Destroyer. <sup>12</sup> Cruiser. <sup>13</sup> Cable ship.  
<sup>14</sup> For bananas and return to Cristobal. <sup>15</sup> Pig iron, automobiles, etc. <sup>16</sup> General, sugar, oil, etc. <sup>17</sup> Steel products and timplate. <sup>18</sup> Machinery, general.



ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Firmore	23	25	Amer.	Ore S. S. Corp.	Newp't News, Va.	Cruz Gr'de, Chile	Ballast	
Clio <sup>2</sup>	24	25	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	78
Zografía Nicolau	25	25	Greek.	Ore. Nicolau, Ltd.	Trenton, N. J.	Moji, Japan	Scrap iron	10,866
San Anselmo	24	25	Amer.	States S. S. Co	New York, N. Y.	Tacoma, Wash.	General	4,736
Mount Othrys	25	25	Greek.	Chile Nit. Sales Corp.	Sydney, N. S.	Chile	Ballast	
Penrith Castle <sup>2</sup>	25	25	Brit.	Barber Line	New York, N. Y.	Shanghai, China	General	5,350
Taiwan <sup>2</sup>	25	25	Nor.	Barber Line	New York, N. Y.	Yawata, Japan	Scrap iron	8,500
Nuevo Panama <sup>2</sup>	24	25	Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Puntarenas, C. R.	General	150
Athelempress <sup>1 2</sup>	25	25	Brit.	Nippon Tanker	Birkenhead, Eng.	Los Angeles, Cal.	Ballast	
Sona <sup>2</sup>	24		Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Minnie Maru <sup>13</sup>			Amer.	G. C. Dunlop	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Col. Riche <sup>5</sup>	3		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Embassage	25	26	Brit.	Anglo-Can. S. S. Co.	Tyne, England	Vancouver, B. C.	Ballast	
Istmo	24	26	Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	600
Axel Johnson <sup>2</sup>	25	26	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B. C.	Gen., paper	3,623
Western Sun <sup>1 2</sup>	25	26	Amer.	Sun Oil Co	Marcus Hook, Pa.	Los Angeles, Cal.	Ballast	
Cerigo	24	26	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecua.	General	433
Acajutla	20	26	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ ico, Guat.	General	605
Geddington Court	26	26	Brit.	Canadian Transp. Co.	Quebec, Canada	Tacoma, Wash.	(15)	10,256
Luna <sup>2</sup>	26	26	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Point Bonita	27	27	Amer.	Swayne & Hoyt	Tampa, Fla.	Tacoma, Wash.	Sulphur, gen.	5,144
Mount Helmos	26	27	Greek.	R. & K. Kulukundis	New York, N. Y.	Yokohama, Japan	Pig iron	9,400
Edward Luckenbach	27	27	Amer.	Luckenbach Line	Mobile, Ala.	Tacoma, Wash.	General	2,942
San Antonio	27	28	Fr.	French Line	Antwerp, Belgium	Vancouver, B. C.	General	6,151
Karnak	27	27	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Corral, Chile	General	6,727
Telde	27	27	Hond.	United Fruit Co.	Mobile, Ala.	Pto. Arm'les, R.P.	Ballast	
Dessau	27	28	Amer.	Agulla, Tampico	Tampico, Mexico	Melbourne, Aust.	Asphalt	7,355
Nevadan	27	28	Ger.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,709
British Prince <sup>2</sup>	28	28	Brit.	Canadian Transp. Co.	Montreal, Canada	Vancouver, B. C.	General	3,260
Schwaen	27	28	Ger.	North German Lloyd	Hamburg, Ger.	Vancouver, B. C.	General	7,632
City of Pittsburg	28	29	Brit.	Ellerman & Bucknall	Montreal, Canada	Kobe, Japan	(12)	8,704
Cingalese Prince <sup>2</sup>	28	28	Brit.	Mitsui & Co.	Baltimore, Md.	Moji, Japan	Scrap iron	8,810
Somerville <sup>2</sup>	28	28	Nor.	A. F. Klaveness & Co.	Baltimore, Md.	Kobe, Japan	Pig iron	7,174
Bralanta <sup>1 2</sup>	28	28	Nor.	Braathen & Co	Rouen, France	California	Ballast	
Enoch <sup>3</sup>	28		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>17</sup>		
Sambu <sup>2</sup>	27		Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	27		Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Bushnell <sup>14</sup>	22		Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Babbitt <sup>9</sup>	27		Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Onassi Pinelopi	28	29	Greek.	Dracoulis, Ltd.	Texas City, Tex.	Yawata, Japan	Scrap iron	7,165
Frans Klasen <sup>2</sup>	29	29	Pan.	W. Tankschiff Rhed'.	Hamburg, Ger.	Talara, Peru	Ballast	
Taylor <sup>9</sup>	27		Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Horace Luckenbach	29	29	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	4,339
Chipana	28	29	Amer.	Grace Line	New York, N. Y.	SanAntonio, Chile	General	3,452
Tsuyama Maru	29	30	Jap.	Nippon Yusen Kaisha	La Guayra, Venez.	Kobe, Japan	(20)	8,261
President Van Buren	30	30	Amer.	Dollar Line	New York, N. Y.	Round the world.	General	3,901
Rio de Janeiro Maru <sup>2</sup>	30	31	Jap.	Osaka Shosen Kaisha.	Montevideo, Uru	Kobe, Japan	(21)	4,639
Pennsylvania	30	31	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General	2,859
Washingtonian	29	30	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General	5,104
Cucuta <sup>15</sup>	29	31	Col.	Colombian Govt	Cartagena, Col.	B'ventura, Col.	Ballast	
Delftdijk <sup>2</sup>	29	30	Neth.	N. Pac. Coast Line.	Rotterdam, Neth.	Vancouver, B. C.	General	3,256
Tornus <sup>1 2</sup>	30	30	Brit.	Anglo-Saxon Pet. Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
Evanger	30	30	Nor.	Westfal, Larsen & Co.	Rosario, Arg.	Vancouver, B. C.	General	6,588
City of Dieppe	30	30	Brit.	Ellerman & Bucknall	Paulsboro, N. J.	Adelaide, Aust. Jia	General	6,023
Jeff Davis <sup>2</sup>	30	30	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Hongkong, China	Steel, gen.	7,354
Virgilio <sup>2</sup>	30	31	Ital.	Italian Line	Genoa, Italy	Valparaiso, Chile.	General	1,062
Charleston <sup>16</sup>	27		Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Loreto <sup>2</sup>	29	31	Brit.	Pacific Steam Nav. Co.	Hull, England	Talcahuano, Chile	General	5,927
Buenos Aires <sup>2</sup>	30	31	Swed.	Johnson Line	Goth'burg, Swed.	Honolulu, T. H.	General	6,903
Victoria City	30	31	Brit.	Mitsubishi Shoji K.	Savannah, Ga.	Yawata, Japan	Scrap metal	8,234
Stavros	31	31	Greek.	Chile Nit. Sales Corp.	Norfolk, Va.	Tocopilla, Chile.	Ballast	
Bethore	31	31	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Columbian	31	31	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,975
Pacific Enterprise <sup>2</sup>	31	31	Brit.	Furness, Withy & Co.	Glasgow, Scotland	Vancouver, B. C.	General	1,100
Ino <sup>2</sup>	30	31	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	27
R. J. Hanna <sup>1</sup>	31	31	Amer.	Standard Oil of Calif.	Baltimore, Md.	S. Francisco, Cal.	Ballast	
Integratas	31	31	Ital.	The Cattman Co.	Baltimore, Md.	SanAntonio, Chile	Ballast	
Laila	31	1	Dan.	West Coast Line	New York, N. Y.	Talcahuano, Chile	General	2,250
Dresden <sup>3</sup>	31	1	Ger.	North German Lloyd	Hamburg, Ger.	Valparaiso, Chile.	General	6,253
Lilian Moller <sup>2</sup>	31	1	Brit.	Mitsubishi Shoji K.	Tampa, Fla.	Seikoshin, Korea.	Phosphates.	6,693
Penmar	31	1	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Gen., steel	8,202
Silversandal <sup>2</sup>	31	1	Brit.	S. & J. Thompson	Baltimore, Md.	Hongkong, China	General	5,194
Chattanooga City	1	1	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Hilo, T. H.	General	3,997

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>9</sup> Destroyer. <sup>13</sup> Sloop. <sup>14</sup> Submarine tender. <sup>15</sup> Training ship. <sup>16</sup> Gunboat. <sup>17</sup> For bananas and return to Cristobal. <sup>18</sup> Concentrates, steel. <sup>19</sup> Newsprint, asbestos. <sup>20</sup> Steel, zinc, lead, etc. <sup>21</sup> Cotton, coffee, general.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
President de Vogue, <sup>1 2</sup>	1	1	Nor...	Cia. des Prod. Chimiques et Raffinerie.	Port de Bouc, Fr.	Talara, Peru...	Ballast	.....
Steelmaker	1	1	Amer.	Isthmian S. S. Lines.	Portland, Me.	Seattle, Wash.	General	5,510
Mayan	27	2	Amer.	Grace Line	Cristobal, C. Z.	Champico, Guat.	General	1,071
Gen. G. W. Getty <sup>4</sup>			Amer.	P. J. Flynn	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....
Col. Riche <sup>5</sup>	25		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....
Junna	1	2	Brit.	States Marine Corp.	Houston, Tex.	Kobe, Japan	Scrap iron	8,236
Istmo	31	2	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	Gen., autos.	8,236
Kongo Maru <sup>2</sup>	1	2	Jap.	Kokusai Kisen Kaisha	New York, N. Y.	Kobe, Japan	( <sup>13</sup> )	7,909
Eleonora Maersk, <sup>1 2</sup>	1	2	Dan.	Shell Oil Co.	Curacao, N. W. I.	S. Francisco, Cal.	Ballast	.....
Hopestar	2	2	Brit.	Chile Nit. Sales Corp.	Vlaardingen, Neth	Tocopilla, Chile.	Ballast	.....
Dora <sup>1</sup>	2	3	Amer.	U. S. Tankship Corp.	Mobile, Ala.	Honolulu, T. H.	Ballast	.....
Manizales	1	2	Ger.	North German Lloyd.	Manauere, Col.	Guayaquil, Ecu.	Gasoline, gen	1,052
Trois Ilets	1	2	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	23
Epaminondas C. Embricos.	2	2	Greek.	Yamashita Ship. Co.	Houston, Tex.	Yawata, Japan	Scrap iron	6,385
Point Palmas	2	3	Amer.	Swayne & Hoyt	Houston, Tex.	Tacoma, Wash.	General	6,763
Hanley	3	3	Amer.	Weyerhaeuser S. S. Co.	Norfolk, Va.	Everett, Wash.	( <sup>16</sup> )	9,187
Bordeaux Maru	3	3	Jap.	K. Line	New Orleans, La.	Kobe, Japan	( <sup>17</sup> )	7,409
Kansan	3	3	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	3,508
Seeteufel <sup>6</sup>	25	6	Ger.	Count Felix Luckner.	Aruba, N. W. I.	Galapagos Is.	Ballast	.....
San Beotio	3	3	Pan.	United Fruit Co.	Mobile, Ala.	Pto. Arm'les, R.P.	Ballast	.....
Marore	3	3	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr de Chile	Ballast	.....
Vancouver	2	4	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B. C.	General	4,998
Luna <sup>2</sup>	3	4	Pan.	A. Tagaropoulos.	Cristobal, C. Z.	Real, R. P.	General	3
Rusty <sup>13</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow barge.	.....
Alabama	2	4	Amer.	Eddie H. Cook	Gatun, C. Z.	Cristobal, C. Z.	Ballast	.....
Boskoop	3	4	Fr.	French Line	Havre, France.	Talcahuano, Chile	Gen. iron	2,868
San Clemente	3	4	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	5,119
Loch Maddy	3	4	Amer.	Quaker S. S. Line.	New York, N. Y.	Tacoma, Wash.	General	5,581
American Robin.	4	4	Brit.	Moore, San Francisco.	New Orleans, La.	Brit. Columbia	Ballast	.....
Nordnes <sup>2</sup>	4	4	Amer.	Amer.-For. S.S. Corp.	Pt. Sulphur, La.	S. Francisco, Cal.	Sulphur	7,070
Baru <sup>2</sup>	4	4	Nor.	Canadian-Gulf Line.	Houston, Tex.	Powell River, B.C.	Oak lumber	25
Santa Lucia	3	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	Steel	75
Enoch <sup>3</sup>	4	5	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,551
Real <sup>2</sup>	4	5	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>	.....	.....
Sambu <sup>2</sup>	3	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....
Gringa <sup>5</sup>	3	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....
Rangitane <sup>2</sup>	5	3	Amer.	Richard G. Levy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Taylor <sup>9</sup>	3	3	Brit.	N. Z. Shipping Co.	London, England.	Auckland, N. Z.	General	5,148
L.A. Christensen <sup>2</sup>	4	5	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Babbitt <sup>9</sup>	3	4	Nor.	Chile. Nit. Producers.	New York, N. Y.	Antofagasta, Chile	General	2,720
Chastine Maersk <sup>2</sup>	5	5	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Admiral Wiley	5	5	Dan.	Isbrandtsen Moller.	Newsp't News, Va.	Hongkong, China	General	6,578
Nyungat	5	5	Amer.	Bulk Carriers Corp.	Hopewell, Va.	S. Francisco, Cal.	Nit. of soda	3,999
Winland <sup>2</sup>	5	6	Hung.	Trans-Ocean Coal Co.	Nordenham, Ger.	Los Angeles, Cal.	Coke	5,000
Winslow <sup>5</sup>	4	6	Nor.	Scand.-S. Pac. Line.	Goth'burg, Swed.	Valparaiso, Chile	General	1,380
Brazos <sup>1</sup>	4	6	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow barge.	.....
Mathew Luckenbach.	5	6	Amer.	U. S. Navy	Cristobal, C. Z.	San Diego, Calif.	Ballast	.....
Pan Norway <sup>1 2</sup>	6	6	Amer.	Luckenbach Line	Houston, Tex.	Seattle, Wash.	General	3,825
F. J. Luckenbach.	6	6	Nor.	Standard Oil of N. J.	Nyborg, Den.	Talara, Peru	Ballast	.....
Sanyo Maru <sup>2</sup>	6	6	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	4,163
Hertford	6	6	Jap.	Osaka Shosen Kaisha.	Boston, Mass.	Kobe, Japan	General	8,217
Curaca	6	6	Brit.	Fed. Steam Nav. Co.	Liverpool, Eng.	Pt. Chalmers, N.Z.	General	11,882
Mahan <sup>9</sup>	5	6	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile.	General	2,770
Bradford City <sup>2</sup>	4	6	Brit.	U. S. Navy	Guantanamo, Cuba.	San Diego, Calif.	Ballast	.....
Sangstad <sup>2</sup>	6	6	Amer.	Reardon-Smith Line.	Mobile, Ala.	Osaka, Japan.	Pig iron	9,116
Santa Paula	6	6	Nor.	Fern Line.	New York, N. Y.	Yokohama, Japan	Pig iron	7,222
Sea Thrush	6	6	Amer.	Grace Line	New York, N. Y.	S. Francisco, Cal.	General	2,540
Pomona	6	7	Amer.	Shepard S. S. Co.	Boston, Mass.	Tacoma, Wash.	General	4,884
Baldbutte <sup>1</sup>	7	7	Amer.	Pac. Coast Direct Line	New York, N. Y.	Everett, Wash.	General	2,610
Dorothy Cahill	7	7	Amer.	Shell Oil Co.	Albany, N. Y.	Los Angeles, Cal.	Ballast	.....
Hindanger <sup>2</sup>	7	7	Amer.	Arrow Line	Baltimore, Md.	Seattle, Wash.	General	4,704
Tai Ping <sup>2</sup>	7	7	Nor.	Interocean S. S. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Toys	7
Munchen <sup>2</sup>	7	7	Nor.	Barber-Wilhelmsen.	New York, N. Y.	Yokohama, Japan	( <sup>18</sup> )	5,953
Phemius	5	7	Ger.	North German Lloyd.	Hamburg, Ger.	Corral, Chile	General	5,610
Bereby	7	7	Brit.	Allred Holt & Co.	Boston, Mass.	Hongkong, China	General	5,586
Portmar	7	7	Brit.	Continental Grain Co.	Buenos Aires, Arg.	Portland, Oreg.	Maize	7,034
El Oso <sup>1</sup>	7	7	Amer.	Calmar Line	Baltimore, Md.	Los Angeles, Cal.	Steel, gen.	6,726
Clio <sup>2</sup>	7	8	Brit.	C. T. Bowring & Co.	Swansea, England	Cabo Blanco, Peru.	Ballast	.....
Falsterbo <sup>2</sup>	6	7	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	94
Modavia <sup>2</sup>	7	8	Swed.	Anglo-Can. S. S. Co.	Hopewell, Va.	James Is., B. C.	Nit. of soda	2,545
Aymeric	7	8	Brit.	Donaldson Bros.	Glasgow, Scotland	Vancouver, B. C.	General	720
Fernmoor <sup>2</sup>	8	8	Brit.	Andrew Weir & Co.	Baltimore, Md.	Vancouver, B. C.	Ballast	.....
	8	8	Nor.	Mitsui & Co.	Philadelphia, Pa.	Moji, Japan.	Pig iron	7,135

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>6</sup> Yacht. <sup>9</sup> Destroyer. <sup>13</sup> Sailboat. <sup>14</sup> For bananas and return to Cristobal. <sup>15</sup> Scrap iron, steel. <sup>16</sup> General, steel, oil, etc. <sup>17</sup> Scrap iron, cotton, etc. <sup>18</sup> Scrap iron, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Lebore.....	7	8	Amer.	Ore S. S. Corp.....	Baltimore, Md....	Cruz Gr'de, Chile	Ballast.....	
Goslar.....	8	8	Ger.	North German Lloyd.	Tampico, Mexico	Adelaide, Aust'ln	Asphalt.....	8,200
Cali.....	6	8	Ger.	North German Lloyd.	Cristobal, C. Z....	Guayaquil, Ecu.	General.....	248
Nuevo Panama <sup>2</sup> .	7	8	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z....	Pto. Arm'les, R.P.	General.....	237
Sona <sup>2</sup> .....	7	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z....	Balboa, C. Z....	Ballast.....	
Taira <sup>2</sup> .....	7	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z....	Balboa, C. Z....	Ballast.....	
Piako.....	8	9	Brit.	N. Z. Shipping Co....	Liverpool, Eng....	Auckland, N. Z.	General.....	3,065
Istmo.....	7	9	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z....	B'ventura, Col.	General.....	360
Heima <sup>2</sup> .....	8	9	Nor.	Isbrandtzen Moller Co.	Savannah, Ga....	Yokohama, Japan	General.....	6,895
Chisone <sup>2</sup> .....	8	9	Ital.	Italia, Genoa.....	Trieste, Italy.....	Vancouver, B. C.	General.....	16
Steel Age.....	8	9	Amer.	Isthmian S. S. Lines.	Baltimore, Md....	Seattle, Wash....	Gen., steel...	6,546
Antares <sup>13</sup> .....	7	10	Amer.	U. S. Navy.....	Boston, Mass....	Puget Sd., Wash.	General.....	1,966
Scottish Min-strel, <sup>1 2</sup>	7	9	Brit.	Standard Oil of N. J.	Caripito, Venez....	Tocopilla, Chile.	Fuel oil.....	9,617
Peljeanne <sup>2</sup> .....	9	9	Nor.	Anglo-Can. S. S. Co.	Texas City, Tex..	Yawata, Japan...	Scrap iron...	9,616
Trois Ilets.....	7	9	Fr.	French Line.....	Cristobal, C. Z....	B'ventura, Col...	General.....	162
Arkansan.....	9	9	Amer.	Amer.-Hawaiian Line.	Baltimore, Md....	Seattle, Wash....	General.....	3,680
Scottish Castle <sup>1</sup> .	9	10	Brit.	Standard Oil of N. J.	Aruba, N. W. I....	Talara, Peru.....	Fuel oil.....	9,435
Salvador.....	4	10	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z....	Champ'ico, Guat.	General.....	724
Kassos.....	9	10	Greek.	Chile Nit. Sales Corp.	Norfolk, Va.....	Salaverry, Peru.	Coal.....	4,068
Point Chico.....	10	10	Amer.	Swayne & Hoyt.....	Houston, Tex....	Seattle, Wash....	General.....	5,730
Eastern Glade.....	10	10	Amer.	Prudential S. S. Co.	Norfolk, Va.....	Los Angeles, Cal.	General.....	3,908
Steele.....	9	10	Amer.	Ore S. S. Corp.....	Baltimore, Md....	Cruz Gr'de, Chile	Ballast.....	
Bosworth.....	10	10	Brit.	Long Is. Mach. & Eq.	Newp't News, Va..	Osaka, Japan....	Scrap.....	8,466
Norseman <sup>2</sup> .....	10	10	Pan.	States Marine Corp.	Baltimore, Md....	Moji, Japan.....	Steel plates..	6,813
Ino <sup>2</sup> .....	9	10	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z....	B'ventura, Col.	General.....	10
Telde.....	10	10	Hond.	United Fruit Co....	Mobile, Ala.....	Pto. Arm'les, R.P.	Ballast.....	
Missourian <sup>2</sup> .....	10	10	Amer.	Amer.-Hawaiian Line.	Boston, Mass....	Tacoma, Wash....	General.....	5,326
Luna <sup>2</sup> .....	10	10	Pan.	A. Tagaropoulos....	Cristobal, C. Z....	Real, R. P.....	General.....	3

PACIFIC TO ATLANTIC

Eagle <sup>1</sup> .....	9	11	Amer.	General Pet. Corp...	Los Angeles, Cal.	Curacao, N.W.I.	Ballast.....	
Naruto Maru <sup>2</sup> .....	11	11	Jap.	Nippon Yusen Kaisha	Keelung, Japan...	New York, N. Y.	Oil, silk, gen.	5,160
R. J. Hanna <sup>1</sup> .....	11	11	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Providence, R. I.	Asphalt.....	9,730
Deerpool.....	11	11	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Cardiff, Wales...	Lumber.....	7,194
Tamarca.....	10	11	Brit.	Shaw, Savill & Albion.	Auckland, N. Z....	London, England.	Frozen, gen...	4,560
Watsonville.....	11	11	Amer.	Hammond Lumb. Co.	Eureka, Calif....	Irvington, N. J.	Lumber.....	3,000
Trois Ilets.....	11	11	Fr.	French Line.....	B'ventura, Col....	Cristobal, C. Z....	Coffee.....	270
Roda <sup>2</sup> .....	11	12	Ger.	Hamburg-Amer. Line.	Valparaiso, Chile.	Hamburg, Ger....	General.....	7,294
Dakotan.....	11	12	Amer.	Amer.-Hawaiian Line.	Astoria, Oreg....	Boston, Mass....	General.....	6,331
Storstad <sup>1 2</sup> .....	11	12	Nor.	Standard Oil of N. J.	Talara, Peru.....	Havre, France...	Crude oil...	12,847
Gausdal <sup>2</sup> .....	12	12	Nor.	States Marine Corp.	Dairen, China....	New Orleans, La.	( <sup>16</sup> ).....	7,790
Timber Rush.....	12	12	Amer.	Shepard S. S. Co....	Seattle, Wash....	Albany, N. Y....	Lumber, gen.	7,609
Strombo <sup>1</sup> .....	11	13	Ital.	Gibson-London.....	Los Angeles, Cal.	Lands End <sup>14</sup> ...	Gas oil.....	7,158
Susan V. Luckenbach.	12	12	Amer.	Luckenbach Line....	Seattle, Wash....	Boston, Mass....	General.....	5,618
West Ira.....	11	13	Amer.	McCormick S. S. Co.	Seattle, Wash....	Santa Fe, Arg....	Lumber, gen.	6,110
Winslow <sup>5</sup> .....	12	13	Amer.	U. S. Army.....	Balboa, C. Z....	Cristobal, C. Z....	Tow, barge...	
Pennsylvania.....	12	13	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General.....	5,525
Bethore.....	13	13	Amer.	Ore S. S. Corp.....	Cruz Gr'de, Chile	Baltimore, Md....	Iron ore...	21,700
Margaret Johnson. <sup>2</sup>	13	14	Swed.	Johnson Line.....	Vancouver, B. C.	Stockholm, Swed.	General.....	5,616
Baru <sup>2</sup> .....	13	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z....	Bananas.....	100
Eleanor Christensen.	12	13	Amer.	Arrow Line.....	S. Bend, Wash....	Baltimore, Md....	Lumber.....	7,649
Stjerneborg <sup>2</sup> .....	12	13	Dan.	C. K. Hansen.....	Noumea, N. Caled.	Baltimore, Md....	Chrome ore.	8,000
Gregaha.....	13	13	Brit.	Donaldson Line....	Vancouver, B. C.	Glasgow, Scotland	General.....	7,662
Steel Trader.....	13	13	Amer.	Isthmian S. S. Lines.	Honolulu, T. H..	Baltimore, Md....	( <sup>17</sup> ).....	6,111
Arantzazu Mendi.	13	14	Span.	Cia. Na. Sota y Aznar	Vancouver, B. C.	London, England.	( <sup>18</sup> ).....	8,047
Sambu <sup>2</sup> .....	13	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z....	Bananas.....	24
Real <sup>2</sup> .....	13	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z....	Bananas.....	38
Oropesa.....	14	14	Brit.	Pacific Steam Nav. Co.	San Antonio, Chile	Liverpool, Eng....	General.....	11,550
Dahlgren <sup>2</sup> .....	9	14	Amer.	U. S. Navy.....	San Diego, Calif.	New York, N. Y.	General.....	
Pereira.....	14	15	Pan.	Grace Line.....	Champ'ico, Guat.	Cristobal, C. Z....	General.....	838
Arima <sup>2</sup> .....	13	14	Brit.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N.W.I.	Benzine.....	11,686
Santa Maria <sup>2</sup> .....	14	14	Amer.	Grace Line.....	San Antonio, Chile	New York, N. Y.	General.....	5,283
Vito <sup>2</sup> .....	14	15	Nor.	Kawasaki Kisen K.	Tsingtao, China.	Baltimore, Md....	Sugar, gen...	7,207
Tosca <sup>2</sup> .....	14	14	Nor.	Knut Knutsen.....	Tocopilla, Chile.	Copenhagen, Den.	General.....	7,027
Peter Kerr.....	14	14	Amer.	Quaker Line.....	Portland, Oreg....	Philadelphia, Pa.	Lumber, gen.	9,256
Georgian.....	14	14	Amer.	Amer.-Hawaiian Line.	S. Francisco, Cal.	Boston, Mass....	General.....	5,700
Nordnes.....	15	15	Nor.	Canadian Gulf Line.	Powell Riv., B. C.	Houston, Tex....	( <sup>19</sup> ).....	6,888
Alamar.....	15	15	Amer.	Calmat S. S. Corp....	Tacoma, Wash....	Philadelphia, Pa.	Lumber.....	8,207
San Jose.....	15	16	Fr.	French Line.....	Vancouver, B. C.	Havre, France...	General.....	6,224
Marore.....	15	16	Amer.	Ore S. S. Corp.....	Cruz Gr'de, Chile	Baltimore, Md....	Iron ore...	22,400
Omaha <sup>12</sup> .....	16	16	Amer.	U. S. Navy.....	Balboa, C. Z....	Cristobal, C. Z....		

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Launch. <sup>4</sup> Destroyer. <sup>5</sup> Cruiser. <sup>6</sup> Supply ship. <sup>7</sup> For orders. <sup>8</sup> Asphalt, sulphur, general. <sup>9</sup> Oil, magnesite. <sup>10</sup> Canned pineapples, sugar. <sup>11</sup> Lumber, lead, zinc. <sup>12</sup> Paper, shingles.



## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Beloit <sup>2</sup>	16	17	Hond.	W. M. Eden	Amapala, Hond.	Pto. Castillo, Hon.	Salt	95
Hameln	16	16	Ger.	North German Lloyd.	Los Angeles, Cal.	Hamburg, Ger.	Borax	5,732
Istmo	16	17	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	648
Tatsuhara Maru	16	17	Jap.	Mitsubishi Shoji K.	Iloilo, P. I.	New York, N. Y.	Sugar	8,000
Maria Cristina <sup>2</sup>	16	16	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(15)	16
Knoxville City	17	17	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	7,587
Ino <sup>2</sup>	17	18	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	727
Baru <sup>2</sup>	17	18	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	134
Canadian Conqueror.	17	17	Brit.	Mont.-Aust.-N.Z. Line	Auckland, N. Z.	Montreal, Canada	General	3,549
Calif.	17	19	Ger.	North German Lloyd.	Guayaquil, Ecu.	Cristobal, C. Z.	Gen., coffee.	918
Pericles <sup>1</sup>	17	17	Nor.	Kawasaki Kisen K.	La Libertad, Ecu.	Donges, France.	Crude oil	12,274
Martin Bakke <sup>2</sup>	17	17	Nor.	Knut Knutsen	N. West'm'er, B. C.	Belfast, Ireland	Lumber, gen.	7,171
Australand <sup>2</sup>	17	18	Brit.	Burns Philp.	Apia, Samoa	London, England.	General	7,908
Yorkmar	18	18	Amer.	Calmar S. S. Corp.	Seattle, Wash.	Baltimore, Md.	Copper, lum.	8,300
Republic <sup>8</sup>	17	20	Amer.	U. S. Army	Honolulu, T. H.	New York, N. Y.	Army, gen.	1,119
Lafocom	18	18	Amer.	Weyerhaeuser S.S.Co.	Tacoma, Wash.	Baltimore, Md.	Lumber	7,245
Point Clear	18	19	Amer.	Swayne & Hoyt	Seattle, Wash.	Panama City, Fla.	Lumber, gen.	6,699
Lebore	19	19	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Winona	18	19	Amer.	Weyerhaeuser S.S.Co.	S. Francisco, Cal.	Boston, Mass.	(15)	7,725
Rotterdam <sup>1</sup>	19	19	Neth.	Standard Ship. Co.	Los Angeles, Cal.	Bowling, Scotland	Gasoline	11,364
Trekieve	19	19	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>14</sup>	Nitrates	7,570
S-337	19	19	Amer.	U. S. Navy	San Diego, Calif.	Philadelphia, Pa.	General	7,363
Krishima Maru <sup>2</sup>	19	19	Jap.	Kokusai K. Kaisha	Manila, P. I.	New York, N. Y.	Lumber	6,500
Temple Mont.	19	19	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Brooklyn, N. Y.	General	5,400
Mallard <sup>4</sup>	19	19	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	General	6,185
Herman Frasch.	19	20	Amer.	Dutton Lumber Corp.	Everett, Wash.	New York, N. Y.	Lumber	5,400
Panaman	19	20	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	6,185
Hermonthis <sup>2</sup>	20	20	Ger.	Hamburg-Amer. Line.	Valparaiso, Chile.	Hamburg, Ger.	General	5,735
Acajutla	20	26	Brit.	Pacific Steam Nav.Co.	Champ Ico, Guat.	Cristobal, C. Z.	(17)	361
St. Michel <sup>8</sup>	18	21	Amer.	U. S. Army	Balboa, C. Z.	Brooklyn, N. Y.	General	813
Orazio <sup>2</sup>	20	21	Ital.	Italian Line	Valparaiso, Chile.	Genoa, Italy	General	3,545
Lapwing <sup>1</sup>	20	20	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	General	2,888
Santa Paula	20	21	Amer.	Grace Line	S. Francisco, Cal.	New York, N. Y.	General	2,888
William Luckenbach.	20	20	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,984
Beldagny	20	21	Nor.	Chile Nit. Sales Corp.	Iquique, Chile.	Azores <sup>14</sup>	Nitrates	6,525
Sambu <sup>2</sup>	20	21	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	19
Real <sup>2</sup>	20	21	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	46
Charles Christenson. <sup>1</sup>	20	21	Amer.	Sudden & Christenson	Longview, Wash.	Baltimore, Md.	Lumber	7,400
Memphis City	21	21	Amer.	Isthmian S. S. Lines.	Honolulu, T. H.	Baltimore, Md.	Sugar, pines.	7,753
S-42 <sup>2</sup>	21	21	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	General	5,240
Tonsbergjord <sup>2</sup>	21	21	Nor.	West Coast Line	Tocopilla, Chile.	New Orleans, La.	Sodium sulph.	5,560
S-43 <sup>2</sup>	21	21	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	General	5,240
S-46 <sup>2</sup>	21	21	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	General	5,240
Santa Lucia	20	22	Amer.	Grace Line	Talcahuano, Chile	New York, N. Y.	General	5,240
Knute Nelson <sup>2</sup>	21	21	Nor.	Fred Olsen & Co.	Iloilo, P. I.	East coast, U.S.A.	Sugar	8,900
Vermar	21	21	Amer.	Calmar S. S. Corp.	Portland, Oreg.	New York, N. Y.	Lumber	7,455
Trondanger <sup>2</sup>	21	21	Nor.	Interocean S. S. Corp.	Vancouver, B. C.	Rotterdam, Neth.	Grain, gen.	8,179
Steelore	22	22	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Bushnell <sup>13</sup>	20	29	Amer.	U. S. Navy	San Diego, Calif.	Coco Solo, C. Z.	General	5,776
S-317	19	19	Amer.	U. S. Navy	San Diego, Calif.	Philadelphia, Pa.	General	5,176
S-327	19	19	Amer.	U. S. Navy	San Diego, Calif.	Philadelphia, Pa.	Gasoline	11,403
President Wilson	22	22	Amer.	Dollar Line	Manila, P. I.	New York, N. Y.	General	5,176
Marisa <sup>1</sup>	21	22	Neth.	Shell Oil Co.	Los Angeles, Cal.	Lands End <sup>14</sup>	Gasoline	11,403
S-45 <sup>2</sup>	22	22	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	General	6,298
S-44 <sup>2</sup>	22	22	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	Kerosene	11,083
Hokkai Maru <sup>2</sup>	21	23	Jap.	Osaka Shosen Kaisha	Manila, P. I.	New York, N. Y.	General	6,096
Torus <sup>1</sup>	21	22	Brit.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Lands End <sup>14</sup>	General	6,096
Oklahoman	22	22	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Bridgeport, Conn.	General	2,705
Sessa	22	22	Dan.	Wessel, Duval & Co.	Corral, Chile	New York, N. Y.	General	2,705
Glorian <sup>5</sup>	22	22	Amer.	W. B. Boggs	Balboa, C. Z.	Colon, R. P.	Ballast	7,562
Trontolite <sup>1</sup>	22	23	Brit.	Imperial Oil Co.	Talara, Peru	Montreal, Canada	Gasoline	7,562
Calgarolite <sup>1</sup>	22	23	Brit.	Imperial Oil Co.	Talara, Peru	Montreal, Canada	Crude oil	16,639
Borgestad <sup>2</sup>	22	23	Nor.	Canadian Transp. Co.	Vancouver, B. C.	London, England.	Lumber, gen.	5,500
Colorado	23	23	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	8,109
Kamikawa Maru <sup>2</sup>	23	23	Jap.	Kawasaki K. Kaisha	Shanghai, China	Baltimore, Md.	General	5,383
San Lucas	23	23	Amer.	States S. S. Co.	San Diego, Calif.	Baltimore, Md.	Gen., lumber	9,854
Luna <sup>2</sup>	23	23	Pan.	A. Tagaropulos	Darien, R. P.	Cristobal, C. Z.	(15)	16
Winslow <sup>5</sup>	23	23	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Ballast	564
Clio <sup>2</sup>	24	25	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(19)	67
Nuevo Panama <sup>2</sup>	24	25	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	1,077
Cerigo	24	26	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	7,864
City of Dalhart <sup>2</sup>	24	25	Amer.	Roosevelt S. S. Co.	Hongkong, China	East coast, U.S.A.	Sugar, gen.	539
Istmo	24	26	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	539
Deroche <sup>1</sup>	24	25	Amer.	Union Oil of Calif.	Los Angeles, Cal.	Paulsboro, N. J.	(20)	6,627

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Tug. <sup>4</sup> Launch. <sup>5</sup> Submarine. <sup>6</sup> Transport. <sup>7</sup> Sub. tender. <sup>8</sup> For orders. <sup>9</sup> Plantains, lumber. <sup>10</sup> Lumber, pulp, and ore. <sup>11</sup> Coffee, bullion. <sup>12</sup> Lumber, plantains. <sup>13</sup> Cafe, tagua, and cacao. <sup>14</sup> Gasoline, kerosene.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Salawati <sup>2</sup>	24	24	Neth.	Pac.-Jav.-Bengal Line	Calcutta, India	New Orleans, La.	General	5,436
Sona <sup>2</sup>	23	25	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	11
Ganjoo <sup>5</sup>	23	25	Amer.	J. T. Glancy	Miraflores, C. Z.	Balboa, C. Z.	Ballast	
Terje Viken <sup>1</sup>	24	25	Brit.	H. P. Drury	Los Angeles, Cal.	Havre, France	Crude oil	20,737
Snestad <sup>2</sup>	24	25	Nor.	Fern Line	Hilo, P. I.	U. S. Atl. coast	Sugar	7,136
Terceiro <sup>2</sup>	25	25	Nor.	Wessel, Duval & Co.	Antofagasta, Chile	New York, N. Y.	Sugar	15,340
Eleonora Maersk <sup>1, 2</sup>	25	25	Dan.	Shell Oil Co.	Long Beach, Calif.	Curacao, N.W.I.	Kerosene dis- tillate.	7,587
Tai Yin <sup>2</sup>	25	26	Nor.	Barber Line	Davao, P. I.	New York, N. Y.	General	6,668
Patricia	26	28	Ger.	Hamburg-Amer. Line	Champ'co, Guat.	Hamburg, Ger.	General	1,279
Walter A. Lucken- bach	26	26	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	7,512
Moveria <sup>2</sup>	26	26	Brit.	Donaldson Line	Vancouver, B. C.	Glasgow, Scotland	General	6,006
Oregonian	26	26	Amer.	Amer.-Hawaiian Line	Los Angeles, Cal.	New York, N. Y.	Lumber, gen.	6,785
Sabale	26	26	Amer.	Weyerhaeuser S.S.Co.	Portland, Oreg.	Pt. Newark, N. J.	Lum., copper	6,700
Omah <sup>2</sup>	26	26	Amer.	Otis Barton	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Virginia	26	27	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	4,852
Taylor No. 94 <sup>3</sup>	27	23	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Babbitt No. 128 <sup>9</sup>	27	28	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Mayan	27	1	Amer.	Grace Line	Champ'co, Guat.	Cristobal, C. Z.	Coffee, gen.	704
Ariz Mendi	26	27	Span.	Sota y Aznar	N. Westm'er, B.C.	Liverpool, Eng.	(15)	7,233
Merope <sup>1</sup>	26	27	Fr.	Raffineries de Berre	Talara, Peru	Berre, France	Crude oil	10,230
Daldorch	27	27	Brit.	Anglo-Can. S. S. Co.	Pt. Alberni, B.C.	Manchester, Eng.	(15)	8,050
Charleston <sup>13</sup>	27	28	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Sambu <sup>2</sup>	27	28	Pan.	Elliot Ship. & Land Co.	Bayano, R. P.	Cristobal, C. Z.	Bananas	10
Real <sup>2</sup>	27	28	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	21
Helder	27	28	Neth.	Royal Neth. S. S. Co.	Valparaiso, Chile	Hamburg, Ger.	General	6,057
Stella Maris <sup>2</sup>	27	29	C. R.	United Fruit Co.	Puntarenas, C. R.	Nicaragua	Ballast	
Bodegraven	27	28	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	8,444
Santa Inez <sup>2</sup>	28	28	Amer.	Grace Line	Arica, Chile	New York, N. Y.	Gen., coffee	3,143
Fernhill <sup>2</sup>	28	28	Nor.	Fern Line	Manila, P. I.	New York, N. Y.	(16)	7,171
Sage Brush	28	28	Amer.	Shepard S. S. Co.	Seattle, Wash.	Albany, N. Y.	Lumber, gen.	7,642
Susan A. Moran	27	28	Amer.	Moran Towing Co.	Seattle, Wash.	New York, N. Y.	Ballast	
Californian <sup>2</sup>	28	28	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	General	9,771
Chateau Thierry <sup>5</sup>	25	29	Amer.	U. S. Army	Honolulu, T. H.	New York, N. Y.	Army stores	1,053
Pennsylvania	28	29	Amer.	Weyerhaeuser S.S.Co.	Longview, Wash.	Newark, N. J.	Lum., pulp.	7,726
Chilore	30	30	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Emma Bakke <sup>2</sup>	29	30	Nor.	Knut Knutsen	Valparaiso, Chile	Copenhagen, Den.	General	7,510
San Simeon	30	30	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,498
Ino <sup>2</sup>	30	31	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	534
Paul Luckenbach	30	30	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	6,749
Novasi	30	30	Nor.	N. Atl. & Gulf S. S. Co.	Topo'ampo, Mex.	Rotterdam, Neth.	Chick peas	4,670
Telde	30	30	Hond.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	632
Reina del Pacifico <sup>2</sup>	30	31	Brit.	Pacific Steam Nav. Co.	San Antonio, Chile	Liverpool, Eng.	Copper, gen.	6,925
Luna <sup>2</sup>	30	30	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(17)	34
Andrea F. Lucken- bach	30	31	Amer.	Luckenbach Line	Longview, Wash.	Providence, R. I.	Lumber	12,500
Point Lobos	31	31	Amer.	Swayne & Hoyt	Los Angeles, Cal.	New Orleans, La.	Lumber, gen.	6,490
Durazzo	31	3	Ger.	Hamburg-Amer. Line	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	1,295
Istmo	31	2	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	653
Oakmar	31	31	Amer.	Calmar S. S. Corp.	Seattle, Wash.	Baltimore, Md.	Copper, lum.	7,300
Florence Lucken- bach	31	1	Amer.	Luckenbach Line	Portland, Oreg.	New Orleans, La.	Lumber, gen.	2,763
Ohioan	1	1	Amer.	Amer.-Hawaiian Line	Los Angeles, Cal.	Charleston, S. C.	Lumber, gen.	7,314
Iowan	1	1	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	7,223
Athos <sup>1, 2</sup>	1	1	Nor.	Trinidad Leaseholds	Los Angeles, Cal.	Coryton	Gasoline	11,350
George M. Embri- cos	1	1	Greek.	Canadian Transp. Co.	Pt. Alberni, B. C.	Hull, England	Lumber	7,880
Trois Ilets	1	2	Fr.	French Line, Cristobal	B'ventura, Col.	Cristobal, C. Z.	Coffee	335
American Oriole	1	2	Amer.	Puget Sound Ass.Mills	Tacoma, Wash.	Bridgeport, Conn.	Lumber	7,600
Kwanto Maru <sup>2</sup>	1	2	Jap.	Osaka Shosen Kaisha	Manila, P. I.	Baltimore, Md.	General	5,771
West Camargo	2	2	Amer.	McCormick S. S. Co.	Balboa, C. Z.	Buenos Aires, Arg.	Ballast	
Point Arena	30	2	Amer.	Gulf Pacific Line	Portland, Oreg.	Pan'ma City, Fla.	Lumber, gen.	6,650
Trelyon	1	2	Brit.	Andrew Weir & Co.	Suva, Fiji Islands	England	Sugar	7,231
Oilreliance <sup>1, 2</sup>	1	2	Brit.	Anglo-Saxon Pet. Co.	S. Francisco, Cal.	Curacao, N. W. I.	Kerosene	8,817
Herbjorn <sup>1, 2</sup>	2	2	Nor.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N. W. I.	Gas oil	10,498
Washington <sup>2</sup>	2	3	Fr.	French Line	Vancouver, B. C.	Antwerp, Belgium	General	8,860
Santa Elena <sup>2</sup>	2	3	Amer.	Grace Line	S. Francisco, Cal.	New York, N. Y.	General	3,702
Havelland <sup>2</sup>	2	2	Ger.	Manila Shipping Co.	Cebu, P. I.	U. S. Atlantic pts.	Sugar	8,726
Csikos	2	3	Hung.	Anglo-Can. S. S. Co.	Pt. Alberni, B. C.	Avonmouth, Eng.	Lum., zinc	6,176
Baru <sup>2</sup>	3	4	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	44
Real <sup>2</sup>	3	4	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	25
Sambu <sup>2</sup>	3	4	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	13
Taylor No. 94 <sup>3</sup>	3	3	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Babbitt No. 128 <sup>9</sup>	3	3	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Winslow <sup>5</sup>	3	5	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow. barge	
Pacific Reliance <sup>2</sup>	3	4	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General	8,417
Salvador	4	9	Brit.	Pacific Steam Nav. Co.	Champ'co, Guat.	Cristobal, C. Z.	Coffee, gen.	616

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Launch. <sup>4</sup> Transport. <sup>5</sup> Destroyer. <sup>13</sup> Gunboat. <sup>14</sup> Ore, bran, beans.

<sup>15</sup> Lumber, spelter. <sup>16</sup> Chrome ore, sugar. <sup>17</sup> Plantains, lumber.

## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Dinteldijk <sup>2</sup> . . . . .	4	5	Neth.	Holland-Amer. Line.	Victoria, B. C.	Rotterdam, Neth.	General . . . . .	9,919
Brazos <sup>1</sup> . . . . .	3	6	Amer.	U. S. Navy . . . . .	Los Angeles, Cal.	Coco Solo, C. Z.	Gasoline . . . . .	3,000
Valparaiso <sup>2</sup> . . . . .	4	4	Swed.	Johnson Line . . . . .	N. Westm'er, B. C.	Stockholm, Swed.	(14)	5,285
Santa Clara . . . . .	4	4	Amer.	Grace Line . . . . .	Taleahuano, Chile	New York, N. Y.	General . . . . .	4,834
Grete Maersk <sup>2</sup> . . . . .	3	5	Dan.	Isbrandtsen Moller . . . . .	Manila, P. I. . . . .	Baltimore, Md.	General . . . . .	7,178
Vestvard . . . . .	4	4	Nor.	Lauritz Kloster . . . . .	Saigon, China . . . . .	Nuevitas, Cuba.	Rice . . . . .	7,200
Hollywood . . . . .	4	4	Amer.	McCormick S. S. Co.	Portland, Oreg.	New York, N. Y.	Lumber, gen.	7,320
Cathwood <sup>1</sup> . . . . .	3	4	Amer.	Union Oil Co. of Calif.	Pt. San Luis, Cal.	Philadelphia, Pa.	Crude oil . . . . .	9,016
Rotorua . . . . .	4	5	Brit.	N. Z. Shipping Co. . . . .	Wellington N. Z.	London, England.	Frozen, gen.	4,974
Awobasan Maru <sup>2</sup> . . . . .	5	5	Jap.	Mitsui Bussan Kaisha	Manila, P. I. . . . .	New York, N. Y.	General . . . . .	8,164
Virginian . . . . .	5	5	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	9,687
Commissaire Rame- mel . . . . .	5	6	Fr.	Messageries Marit'es.	Noumea, N. Caled	Marseilles, Fr.	General . . . . .	6,078
Nagara Maru <sup>2</sup> . . . . .	5	5	Jap.	Nippon Yusen Kaisha	Hongkong, China	Baltimore, Md.	General . . . . .	4,826
Glittr <sup>1</sup> . . . . .	5	5	Nor.	Shell Oil Co. . . . .	Los Angeles, Cal.	Curacao, N. W. I.	(15)	9,220
Julia Luckenbach . . . . .	5	5	Amer.	Luckenbach Line . . . . .	Seattle, Wash.	Boston, Mass.	General . . . . .	5,786
Losmar . . . . .	5	5	Amer.	Calmar S. S. Corp. . . . .	Seattle, Wash.	Baltimore, Md.	Lumber . . . . .	7,758
Svealand <sup>2</sup> . . . . .	5	6	Swed.	Ore S. S. Corp. . . . .	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore . . . . .	22,300
Indien <sup>2</sup> . . . . .	4	8	Nor.	Italia Line . . . . .	Vancouver, B. C.	Trieste, Italy . . . . .	Lumber, gen.	5,722
Hakonesan Maru <sup>2</sup> . . . . .	5	6	Jap.	Osaka Shosen Kaisha	Kobe, Japan . . . . .	Buenos Aires, Arg.	General . . . . .	4,338
Edgar F. Lucken- bach . . . . .	6	6	Amer.	Luckenbach-Gulf Co.	Portland, Oreg.	Mobile, Ala.	General . . . . .	5,081
KatrineMaersk <sup>1 2</sup> . . . . .	6	6	Dan.	Shell Oil Co. . . . .	Los Angeles, Cal.	Curacao, N. W. I.	Gas oil . . . . .	8,128
San Benito . . . . .	6	6	Pan.	United Fruit Co. . . . .	Pto. Arm'es, R. P.	Mobile, Ala.	Bananas . . . . .	895
Cali . . . . .	6	8	Ger.	North German Lloyd.	Guayaquil, Ecu.	Cristobal, C. Z.	General . . . . .	1,219
San Vincente . . . . .	6	6	Amer.	Quaker Line . . . . .	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,560
Jersey City . . . . .	6	6	Brit.	Anglo-Can. S. S. Co.	Victoria, B. C.	London, England.	(16)	4,050
Clio <sup>2</sup> . . . . .	6	7	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	545
Weser <sup>2</sup> . . . . .	6	8	Ger.	North German Lloyd.	Vancouver, B. C.	Hamburg, Ger.	General . . . . .	6,799
Brilliant <sup>1 2</sup> . . . . .	6	6	Amer.	Socony Vac. Oil Co.	Los Angeles, Cal.	Providence, R. I.	Gasoline . . . . .	13,050
Franz Klase <sup>1 2</sup> . . . . .	6	7	Pan.	W. Tankshiff Rbed'g.	Talara, Peru . . . . .	Rotterdam, Neth.	Mineral oil . . . . .	16,884
Robert F. Hand <sup>1</sup> . . . . .	6	7	Brit.	Standard Oil Co. . . . .	El Segundo, Cal.	Hull, England . . . . .	Gasoline . . . . .	16,180
Point Vincente . . . . .	7	7	Amer.	Gulf Pacific Line . . . . .	Los Angeles, Cal.	New Orleans, La.	(17)	4,910
Nuevo Panama <sup>2</sup> . . . . .	7	8	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas . . . . .	54
Pacific . . . . .	7	7	Amer.	Weyerhaeuser S. S. Co.	Tacoma, Wash.	Boston, Mass.	Lum., pulp.	8,199
Istmo . . . . .	7	9	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	653
Fernwood <sup>2</sup> . . . . .	7	8	Nor.	Fern Line . . . . .	Sabang, P. I.	Baltimore, Md.	Ore, lumber.	7,820
Trois Ilets . . . . .	7	9	Fr.	French Line . . . . .	B'ventura, Col.	Cristobal, C. Z.	Coffee, wax.	337
Luna <sup>2</sup> . . . . .	7	10	Pan.	A. Tagaropoulos . . . . .	Darien, R. P.	Colon, R. P.	(18)	21
Tuira <sup>2</sup> . . . . .	7	8	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas . . . . .	55
Sona <sup>2</sup> . . . . .	7	8	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas . . . . .	22
Nellie . . . . .	7	8	Greek.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Alexandria, Egypt	Nitrates . . . . .	8,325
Waziristan . . . . .	7	8	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Hull, England . . . . .	Lumber . . . . .	6,612
Texas Sun <sup>1 2</sup> . . . . .	8	8	Amer.	Sun Oil Co. . . . .	Los Angeles, Cal.	Chester, Pa.	Gasoline . . . . .	14,864
Marian Otis Chan- dler . . . . .	8	8	Amer.	Matson Nav. Co. . . . .	Honolulu, T. H.	Hatteras <sup>13</sup>	Raw sugar . . . . .	7,650
Elisabeth Bakke <sup>2</sup> . . . . .	8	8	Nor.	Scand.-So. Pac. Line.	Saa Antonio, Chile	Lands End <sup>13</sup>	General . . . . .	7,761
Alabaman . . . . .	8	8	Amer.	Amer.-Hawaiian Line.	Los Angeles, Cal.	Baltimore, Md.	General . . . . .	8,219
Alaskan . . . . .	8	8	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General . . . . .	6,120
Dilworth <sup>1</sup> . . . . .	8	8	Amer.	Shell Oil Co. . . . .	Los Angeles, Cal.	Sewaren, N. J.	Gasoline . . . . .	9,167
Scottish Border- er. <sup>1 2</sup> . . . . .	26	10	Brit.	Standard Oil of N. J.	Talara, Peru . . . . .	Montreal, Canada	Crude oil . . . . .	9,818
Oregon . . . . .	8	8	Amer.	Tahacalera . . . . .	Iloilo, P. I. . . . .	U. S. N. Atl. pts.	Sugar . . . . .	8,200
President de Vogue. <sup>1 2</sup> . . . . .	8	8	Nor.	Cia. des Produits Chi- miques . . . . .	Talara, Peru . . . . .	Port de Bouc, Fr.	Crude oil . . . . .	13,742
Chincha . . . . .	8	10	Amer.	Grace Line . . . . .	San Antonio, Chile	New York, N. Y.	(19)	4,654
Seattle <sup>2</sup> . . . . .	9	10	Ger.	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	Copper, gen.	7,261
Segundo <sup>2</sup> . . . . .	9	9	Nor.	Continental Grain Co.	San Carlos, P. I.	U. S. Atl. ports . . . . .	Sugar . . . . .	7,430
Nurnberg <sup>2</sup> . . . . .	9	9	Ger.	North German Lloyd.	Valparaiso, Chile.	Antwerp, Belgium	General . . . . .	6,882
Yarville <sup>1</sup> . . . . .	9	9	Brit.	Socony Vac. Oil Co.	Los Angeles, Cal.	Curacao, N. W. I.	Crude oil . . . . .	12,349
Santa Rita <sup>2</sup> . . . . .	9	9	Amer.	Grace Line . . . . .	Ant'fagasta, Chile	New York, N. Y.	General . . . . .	3,144
Ino <sup>2</sup> . . . . .	9	10	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	553
California . . . . .	9	10	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General . . . . .	5,181
Americaland <sup>2</sup> . . . . .	9	10	Swed.	Ore S. S. Corp. . . . .	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore . . . . .	22,300
Canadian High- lander . . . . .	9	10	Brit.	Ellerman & Bucknall	Adelaide, Aust'lia	Montreal, Canada	Wool, gen.	2,199
Pereira . . . . .	10	10	Pan.	Grace Line . . . . .	Champ'ico, Guat.	Cristobal, C. Z.	General . . . . .	610
Absaroka . . . . .	10	10	Amer.	McCormick S. S. Co.	Seattle, Wash.	Baltimore, Md.	Lumber . . . . .	7,100
Real <sup>2</sup> . . . . .	10	11	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas . . . . .	29

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>13</sup> For orders. <sup>14</sup> Wheat, fruit, general. <sup>15</sup> Kerosene distillate. <sup>16</sup> Spelter, lumber. <sup>17</sup> Sugar, lumber, general. <sup>18</sup> Lumber, plantains. <sup>19</sup> Copper, ore, cotton.

### Record Low Death Rate for Canal Zone During Calendar Year 1936

The death rate from all causes in the calendar year 1936 for the population residing in the Canal Zone was 5.62 per 1,000 population, as compared with 5.89 for 1935, and is the lowest on record. For Panama City the rate was 14.44 per 1,000 population, and for Colon the rate was 14.60 per 1,000 population.



**Method of Propulsion of Ships Transiting the Panama Canal**

The following table shows the method of propulsion of the ocean-going commercial vessels which transited the Canal in the fiscal year 1937:

	Number of ships	Panama Canal net tonnage
Motor vessels.....	2,115	11,571,034
Steam vessels:		
Oil burners.....	2,236	11,894,656
Coal burners.....	997	4,010,394
Total cargo-carrying vessels.....	5,348	27,476,084
Noncargo-carrying vessels.....	39	15,538
Total.....	5,387	27,491,622

**Largest Cargo of Lumber Transits Canal in July**

The largest cargo of lumber ever to transit the Panama Canal passed through northbound on Saturday, July 31, aboard the S. S. *Andrea F. Luckenbach*, of the Luckenbach Line, consisting of a total of 8,836,000 board feet. The previous record lumber cargo transiting on any one vessel was that of the S. S. *Lewis Luckenbach*, which went through April 29, 1925, with approximately 8,042,700 board feet.

**United States Government Vessels Transiting Canal During Fiscal Year 1937**

Vessels of the United States Government are passed through the Panama Canal without payment of tolls. For the 10 fiscal years, 1928 to 1937 inclusive, 4,896 United States Government vessels passed through the Canal without the payment of tolls. For the greater part these were United States naval vessels. Had tolls been collected from them, at rates corresponding with those charged against other ships using the Canal, the revenues received by the Canal from tolls would have been increased by approximately \$950,000 per year.

The following tabulation shows the number of United States Government vessels transiting the Canal from 1928 to 1937 inclusive, and the probable amount of additional revenue which would have been received from these vessels had tolls been paid on the basis of prevailing rates:

Fiscal year	No. of transits	Tolls	Fiscal year	No. of transits	Tolls
1928.....	450	\$889,351	1934.....	484	\$1,065,723
1929.....	553	1,031,272	1935.....	527	1,118,340
1930.....	545	1,134,545	1936.....	426	782,941
1931.....	544	1,157,853	1937.....	475	704,412
1932.....	458	899,851			
1933.....	434	747,930	Total.....	4,896	9,532,218

**Census of Civil Population of Canal Zone**

The annual census of the civil population of the Canal Zone taken by the Police and Fire Division during the month of June 1937, resulted in a count of 28,707 as the total number of civilian inhabitants. This was a decrease of 491 from the population in June 1936.

The population as of June 1937, was distributed as follows:

	AMERICANS					ALL OTHERS					Total
	Men		Women		Children	Men		Women		Children	
	Total	Em- ployees	Total	Em- ployees		Total	Em- ployees	Total	Em- ployees		
Balboa.....		1,803		359			2,268		61		14,491
District.....	2,157		2,369		1,972	3,614		2,547		3,478	216,137
Cristobal.....		335		19			2,475		20		3,049
District.....	585		769		824	3,413		2,167		4,668	412,426
Prisoners.....	9					125		1		9	144
Total employees...		2,338		378			4,743		81		7,540
Total inhabitants..	2,751		3,138		2,796	7,152		4,715		8,155	728,707

<sup>1</sup> Employees; decrease of 194 since 1936.   <sup>2</sup> Inhabitants; decrease of 1,446 since 1936.   <sup>3</sup> Employees; increase of 419 since 1936.   <sup>4</sup> Inhabitants; increase of 917 since 1936.   <sup>5</sup> Increase of 46 since 1936.   <sup>6</sup> Employees; increase of 225 since 1936.   <sup>7</sup> Inhabitants; decrease of 491 since 1936.

### Official Publications of Interest to Shipping

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of the Panama Canal and Adjacent Waters," and the current tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C.Z.; or, when more convenient, to The Panama Canal, Washington, D.C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa, a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

---

### Coal

Coal, bunker, U. S. Navy Standard Pool No. 1, run-of-mine, Pocahontas, or New River, is supplied to steamships, including warships of all nations, trimmed in bunkers at the following prices, per ton of 2,240 pounds: Cristobal, first 250 tons, \$7.75 per ton; second 250 tons, \$7 per ton; balance over 500 tons, \$6.50 per ton. Balboa, first 250 tons, \$10.75 per ton; second 250 tons, \$10 per ton; balance over 500 tons, \$9.50 per ton.

Extra charges are made in accordance with a published tariff for special trimming at the request of the officers of the ship, for galley, lump, or run-of-mine coal in sacks, and for delivery, when coal is furnished from lighters or launches away from the coaling piers.

Coal can be bunkered by bunkering machines at any rate up to 1,500 tons per hour, regulated by the amount of necessary trimming.

Coal for cargo is sold under the same conditions and at prices quoted for sale of coal for bunkers.

---

### Current Net Prices on Fuel Oil and Diesel Oil

Bunker fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal. Prices will be furnished on application.

Bunker fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Fuel oil, \$1.25 per barrel at Cristobal and Balboa; Diesel oil, \$1.80 per barrel at Cristobal and Balboa.

---

### Facilities for Shipping

The Panama Canal is equipped with all the facilities for the fueling, supply, and repairs of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from ample stocks at both ends of the Canal. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as ice, meats (including native beef), fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes and tobacco, which are for sale to ships at reasonable prices. A modern laundry service is also available. Orders may be placed in advance by radio for prompt delivery on arrival at either terminal, or for delivery at the other terminal after transiting the Canal.

A 1,000-foot drydock, a smaller drydock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide means of making practically any kind of marine repairs.

Ample space exists at either terminal of the Canal for the berthing of vessels, as well as large, covered piers for the storage of cargo. These are modern structures: fireproof, rat proof, in splendid condition, well lighted and maintained in a clean and orderly condition.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal during the years of operation.



### Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices, including the 20 percent surcharge, to individuals and companies, as of August 17, 1937:

Commodities	Unit	Price
Brass, bar, average.....	Lb.	\$0.13
Brass, sheet, average.....	Lb.	.28
Bronze, Tobin, average.....	Lb.	.22
Gasoline, motor grade.....	Gal.	.105
Metal, yellow.....	Lb.	.26
Oakum, Navy, spun.....	Lb.	.20
Oakum, Navy, unspun.....	Lb.	.18
Oil, gun and ice machine.....	Gal.	.28
Oil, burning, Colza.....	Gal.	1.14
Oil, engine, gas, light, in drums, No. 2135.....	Gal.	.24
Oil, engine, gas, extra heavy, in cases, No. 2250.....	Gal.	.29
Oil, engine, gas, extra heavy, in drums, No. 2250.....	Gal.	.24
Oil, kerosene, in drums.....	Gal.	.10
Oil, marine engine.....	Gal.	.38
Paint, lead, white, dry.....	Lb.	.11
Paint, lead, white, in oil.....	Lb.	.12
Paint, zinc oxide, dry.....	Lb.	.08
Paint, zinc oxide, in oil.....	Lb.	.11
Grease, gear, chain and wire rope, lubricating.....	Lb.	.05
Grease, yellow, cup, No. 3, medium.....	Lb.	.06
Grease, yellow, cup, No. 5, hard.....	Lb.	.07
Soda, ash.....	Lb.	.03
Waste, cotton, colored.....	Lb.	.12
Waste, cotton, white.....	Lb.	.13

### Lubricating Oils

The following is a list of the different kinds of lubricating oil carried in stock at Panama Canal storehouses, and a brief description of each of the oils with a statement of the purpose for which it is generally used.

Requisitions and orders for oils placed with the storekeepers should state the name (including number, if any) of the oil desired exactly as given on the following list:

#### STATEMENT OF STANDARD LUBRICATING OILS AND THEIR USES.

##### OILS, FORCE FEED AND MOTOR CYLINDER.

*Medium, No. 2135.*—A medium oil for the lubrication of main turbines not driving through reduction gears, dynamos, and small internal combustion engines. Not to be used for steam cylinder lubrication.

*Heavy, No. 2190.*—A heavy oil that will separate quickly from water. For the lubrication of turbines with reduction gears, medium size internal combustion engines, and forced feed on main engines. A heavy bodied oil for use on auxiliary equipment.

*Extra heavy, No. 2250.*—An extra heavy oil for the lubrication of medium size internal combustion engines, power cylinders, air compressors, and bearings of Diesel engines.

*Ultra heavy, No. 2310.*—An ultra heavy oil for the lubrication of power cylinders, air compressors, and bearings of large Diesel engines.

*Tractor, heavy, No. 3100.*—A very heavy body oil for aircraft engines, high speed gasoline engines, motor trucks, motor boats, motorcycles, and Diesel engines S. A. E.-50.

*Diesel engine lubricating.*—For Diesel engines.

##### OILS, MISCELLANEOUS.

*Ammonia cylinder* (gun and ice machine grade No. 125).—A refined petroleum oil without the admixture of fatty oils, resins, soap, or other compounds not derived from petroleum. For the lubrication of the cylinders of ice machines, pneumatic tools, and hydraulic systems.

*Car and locomotive.*—A lubricant on journals of all cars, passenger coaches, steam and electric locomotives.

*Castor.*—Grade "A." Used for lubricating purposes of the highest grade.

*Cutrite, soluble cutting.*—A mixture of soluble alkali soap in mineral and fixed saponifiable oils. For use in turret lathes and bolt machines.

*Fish.*—Used as a rust preventive and for tempering.

*Lard.*—For use on pipe cutting and threading machines.

*Insulating.*—Switch (Electrical Division).

*Insulating.*—Transformer (Electrical Division).

*Lubricant* (gear, chain and wire rope).—For lubrication and protection of chains, wire rope, and gears of cranes, dredges, steam shovels, etc.

*Machine, odorless.*—For use on typewriters.

*Marine engine, No. 4055, compounded.*—A compound of mineral with vegetable oil for the lubrication of reciprocating engines and auxiliaries where oiling is done by hand or through wick feed or drop oilers, also for thrust bearings. Must not be used for circulating of forced feed systems.

*Mineral steam cylinder, No. 5150.*—For use on reciprocating steam engines using dry saturated steam. For noncondensing steam engine cylinder lubrication (valve oil).

*Mineral steam cylinder, superheated.*—For use on reciprocating steam engines using superheated steam.

*Neatsfoot.*—For softening and preserving leather.

*Solvent.*—Rust-preventing lubricant, for general use.

*Sperm.*—Used principally by U. S. Navy.

**Provisions Required by Ships**

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at reasonable prices. Beef especially is available at low prices.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit.

**Location of Patients and Visiting Hours at Gorgas Hospital**

The following table shows the distribution of patients in the Gorgas Hospital buildings and the visiting hours for the various wards and sections:

Section and Ward.	Visiting Hours.
Section "A:"	} Wards: Tuesdays, Thursdays, and Saturdays, 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m. Sundays and holidays, 9.30 to 11.30 a. m.; 2.00 to 4.00 p. m. Private rooms: Same as Section "B."
Ward 2	
Ward 3	
Ward 4, Private rooms	
Section "B:"	} Daily, 9.30 to 11.00 a. m.; 2.00 to 4.30 p. m.; 6.30 to 8.00 p. m. No visitors permitted in nursery.
Ward 5, Male, private rooms, American boys	
Ward 6, Foreign, male and female, private rooms, American girls	
Ward 7, White females, private rooms	
Ward 8, Obstetrical department, white females, Nursery	
Section "C:"	} Colored wards: Wednesdays, Fridays, Sundays, and holidays, 1.00 to 2.30 p. m. Visitors from Atlantic Side may remain until 3.00 p. m. Tuesdays, Thursdays, Saturdays, 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m. Sundays and holidays, 9.30 to 11.00 a. m.; 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m.
Ward 9, Colored, male	
Ward 10, White foreign, male	
Ward 11, Colored, male (surgical)	
Ward 12, Colored, male (medical)	
Section "D:"	} Tuesdays, Thursdays, Saturdays, 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m. Sundays and holidays, 9.30 to 11.00 a. m.; 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m. Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3.00 p. m. Daily, 9.30 to 11.00 a. m.; 2.00 to 4.30 p. m. Wednesdays, Fridays, Sundays and holidays, 1.00 to 2.30 p. m. Visitors from Atlantic Side may remain until 3.00 p. m. No visitors permitted except adults to visit tuberculosis patients, Thursdays, Sundays and holidays, 1.30 to 3.00 p. m.
Ward 13, Colored, male, G. U.	
Ward 14, White, male, G. U.	
Ward 15, American, male (surgical)	
Ward 16, American, male (medical)	
Ward 17, Colored children	
Ward 18, White children	
Ward 19, Colored, female (medical)	
Ward 20, Colored, female, surgical, obstetrical	
Isolation section	

Permission to visit outside of visiting hours may be granted upon application to the Superintendent's office. Immediate relatives of seriously ill patients will be admitted at any time by and in the discretion of the attending physician, section nurse, and in her absence, the nurse in charge.

**Density of Water in Balboa and Cristobal Harbors**

Place.	Weight of sea water in ounces per cubic ft.			Rainy season. Average temperature. Degrees F.
	Average.	Maximum.	Minimum.	
Cristobal (between docks 8 and 9)	1018	1020	1013	84.0
Balboa (dock 18)	1011	1021	1005	83.0

(NOTE.—The above is based on two months' observations at Cristobal and Balboa. Average taken at 12-foot depth. Minimum occurred after heavy rain at 3-foot depth at Cristobal and 12-foot depth at Balboa. The weight of a cubic foot of fresh water at 85° F. is 995 ounces.

**Hours of Departure of Passenger Trains**

Following are the hours of departure of the regular passenger trains of the Panama Railroad running between the Atlantic and the Pacific sides:

From Colon: Daily, 7:25 a. m.; 11 a. m.; 4:55 p. m.; 10 p. m.

From Panama: Daily, 7:10 a. m.; 1:10 p. m.; 5 p. m.; 7:55 p. m.

The time required for passage from one terminal to the other is 1 hour and 25 minutes.

**Binders for The Panama Canal Record**

Cardboard covers, punched and fitted with brass fasteners forming binders for THE PANAMA CANAL RECORD are offered for sale at 25 cents a set, for the benefit of those who wish to keep a file of the issues for ready reference. Orders may be addressed to The Panama Canal, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.

*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXI Balboa Heights, C. Z., September 15, 1937 No. 2

## Traffic Through the Panama Canal in August 1937

The total vessels of all kinds transiting the Panama Canal during the month of August 1937, and for the same month in the two preceding years, are shown in the following tabulation:

	August 1935	August 1936	August 1937		
			Atlantic to Pacific	Pacific to Atlantic	Total
Ocean-going commercial traffic.....	377	473	273	232	505
Local commercial vessels <sup>1</sup> .....	52	57	38	32	70
Noncommercial vessels:					
United States Government.....	26	32	23	11	34
Colombian Government.....	2	2	1	1	1
For repairs.....	2	1	1	1	1
<b>Total.....</b>	<b>459</b>	<b>566</b>	<b>334</b>	<b>277</b>	<b>611</b>

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC<sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month for the 12 months ended August 31, 1937, as compared with the same period in the previous year:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1935-6	1936-7	1935-6	1936-7	1935-6	1936-7	1935-6	1936-7
September.....	391	466	2,095,599	2,428,317	1,994,487	2,526,366	\$1,780,805.80	\$2,045,440.82
October.....	441	482	2,357,640	2,499,678	2,228,536	2,463,069	1,964,076.81	2,081,758.23
November.....	418	368	2,165,559	1,768,738	2,050,422	1,747,368	1,796,820.57	1,488,054.25
December.....	459	341	2,382,602	1,655,501	2,187,731	1,538,503	1,997,206.74	1,366,388.58
January.....	472	399	2,411,073	1,915,787	2,148,935	1,858,937	2,018,543.52	1,598,323.51
February.....	452	377	2,322,013	1,940,611	2,155,031	1,839,788	1,952,682.73	1,602,306.30
March.....	526	536	2,714,768	2,770,451	2,634,150	3,016,418	2,293,874.51	2,355,149.04
April.....	482	473	2,483,561	2,460,549	2,430,134	2,652,880	2,079,730.70	2,067,026.68
May.....	488	544	2,504,215	2,839,127	2,419,652	2,950,925	2,081,103.73	2,376,706.36
June.....	481	472	2,449,127	2,450,018	2,459,752	2,670,466	2,073,359.39	2,070,337.89
July.....	456	457	2,364,539	2,395,306	2,450,324	2,476,366	1,999,105.18	2,029,642.45
August.....	473	505	2,398,306	2,597,119	2,396,331	2,780,603	2,051,540.28	2,195,308.87
<b>Total.....</b>	<b>5,539</b>	<b>5,420</b>	<b>28,649,002</b>	<b>27,721,202</b>	<b>27,555,485</b>	<b>28,518,689</b>	<b>24,088,849.96</b>	<b>23,276,442.98</b>

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## Traffic by Nationality of Vessels<sup>3</sup> for August 1937

Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo	Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo
British.....	101	569,093	576,533	Netherlands.....	17	51,894	59,785
Danish.....	22	98,933	107,723	Norwegian.....	59	314,279	308,427
Estonian.....	1	2,337	4,695	Panamanian.....	21	45,164	60,929
French.....	10	61,662	59,833	Swedish.....	11	47,770	77,765
German.....	30	122,066	144,754	United States.....	174	987,579	1,040,664
Greek.....	17	75,867	117,356	Venezuelan.....	2	2,162	1,953
Honduran.....	3	4,845	679	Yugoslav.....	2	8,397	.....
Hungarian.....	2	7,964	11,176				
Italian.....	6	36,001	19,573	<b>Total.....</b>	<b>505</b>	<b>2,597,119</b>	<b>2,780,603</b>
Japanese.....	27	161,106	188,758				

<sup>3</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

### Traffic by Trade Routes, August 1937

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table, the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo frequently is laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route.

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	64	361,519	267,417	60	357,133	447,730
East coast United States and:						
Canada	5	23,062	2,570	1	4,910	5,926
Central America	5	9,984		4	8,279	2,902
South America	18	79,221	27,401	14	65,329	169,130
Hawaiian Islands	3	14,733	8,913	8	41,410	61,426
Australasia	5	32,000	31,535			
Philippine Islands	10	62,883	62,919	15	91,326	111,971
Far East	47	233,494	363,163	6	37,178	38,532
East coast Canada and:						
United States	1	4,019	7,889			
South America	3	14,612	2,040	2	11,680	25,444
Australasia	3	18,768	14,222	5	23,849	32,145
Philippine Islands	1	6,793	8,202			
Far East	3	19,838	22,533			
South American intercoastal	4	12,757	23,477			
East coast South America and:						
United States	2	9,901	15,282			
Canada	2	9,811	12,510			
Far East	1	5,821	3,648	1	5,073	4,338
Cristobal and:						
United States	1	5,761		1	5,761	11,509
Central America	5	5,276	4,513	5	4,462	3,209
South America	14	7,800	3,217	13	7,364	9,782
West Indies and:						
United States	7	35,796		10	53,718	106,972
Canada	1	3,651	6,531			
South America	1	6,405		1	4,716	8,803
Balboa	3	10,977	22,037	1	1,081	
Far East				1	4,343	7,200
Europe and:						
United States	14	75,383	5,117	6	37,488	60,421
Canada	17	108,796	39,341	36	196,788	252,892
Central America	1	3,070	3,012			
South America	23	129,680	55,976	30	175,158	282,494
Australasia	7	60,200	40,643	7	47,320	46,258
Far East				1	5,792	6,399
Egypt and South America				2	8,776	15,925
Asia and United States				1	2,487	463
Around the world	2	17,650	8,482	1	6,037	6,142
Total	273	1,389,661	1,062,590	232	1,207,458	1,718,013

### Origin and Destination of Cargo by Major Areas, August 1937

The following table summarizes the origin of cargo passing through the Canal in August 1937, and its destination by major geographical trade areas:

#### ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States	276,304	18,864	436,932	26,888	21,484	780,472
Other North America	10,676	29,378	14,372	11,455	24,286	90,167
Europe	34,029	11,628	2	49,073	40,630	135,362
Miscellaneous	27,273	3,299	3,410	22,607		56,589
Total	348,282	63,169	454,716	110,023	86,400	1,062,590



PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States .....	433,150	134,756	164,799	5,024	737,729
Canada .....	5,926	2,438	144,335	674	153,373
Other North America .....	65,298	4,661	353		70,312
South America .....	164,401	51,225	279,992	15,960	511,578
Australasia .....	12,563	19,590	46,250		78,403
Asia .....	144,927	10,849	6,399	4,443	166,618
Total .....	826,265	223,519	642,128	26,101	1,718,013

Principal Commodities

Commodities in transit through the Canal which aggregated 10,000 or more tons either during August 1937 or August 1936 are listed below:

Commodity	August		Commodity	August	
	1936	1937		1936	1937
<i>Atlantic to Pacific</i>	<i>Long tons</i>	<i>Long tons</i>	<i>Pacific to Atlantic—Continued</i>	<i>Long tons</i>	<i>Long tons</i>
Ammonium compounds .....	4,486	14,710	Beans, edible, dry .....	8,699	11,256
Asphalt and tar .....	7,065	11,313	Borax .....	7,248	11,168
Automobiles and parts .....	16,592	26,877	Canned goods, various .....	100,740	96,004
Canned goods, various .....	10,758	13,166	Coffee .....	9,888	12,036
Cement .....	7,257	10,366	Cold storage (food products) <sup>4</sup> ..	18,387	11,382
Coal and coke .....	4,714	17,618	Copra .....	21,382	15,705
Corn .....	1,500	21,462	Cotton, raw .....	9,798	13,374
Iron and steel .....	156,800	249,215	Flour .....	29,685	14,535
Machinery .....	10,667	12,974	Fruit, dried .....	25,893	16,566
Manufactured goods .....	6,860	15,180	Fruit, fresh <sup>5</sup> .....	13,476	10,868
Metals, various .....	18,760	76,480	Lumber .....	241,224	306,738
Oils, mineral .....	78,063	64,656	Metals, various .....	51,059	67,245
Ores .....	18,191	14,256	Nitrates .....	57,594	75,885
Paper .....	38,630	36,883	Oils, mineral .....	376,100	409,944
Phosphates .....	14,615	27,843	Oils, vegetable .....	18,802	19,556
Scrap metal .....	139,747	169,690	Ores .....	189,036	202,437
Sulphur .....	19,214	35,232	Paper .....	13,364	15,748
Tinplate .....	13,348	16,761	Phosphates .....		14,258
Wood pulp .....	7,912	16,318	Rice .....	10,275	10,406
<i>Pacific to Atlantic</i>			Sugar .....	123,012	164,031
Asphalt and tar .....	9,706	11,186	Wheat .....	111,113	2,943
Barley .....	17,242	33,252	Wood pulp .....	16,419	32,121

<sup>4</sup> Does not include fresh fruit.

<sup>5</sup> Does not include bananas.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of August 1937, as reported in the cargo declarations showing the movement by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo"; the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts .....				22
Agricultural implements .....	1,191	200	4,477	260
Alfalfa meal .....		492		492
Ammonium compounds .....	70	175	14,710	175
Animal foods <sup>6</sup> .....	13	89	13	239
Apparel, wearing (hats, shoes, clothing, etc.) .....	225		225	2

<sup>6</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Asbestos	1,174	50	7,223	50
Asphalt and tar	426	10,886	11,313	11,186
Automobiles (and autotrucks)	3,846	75	17,812	88
Automobile parts and accessories	656	349	9,065	358
Bags and bagging, textile	124	178	442	281
Bamboo and products				433
Bananas				4,063
Barks, miscellaneous		50	55	1,250
Barley	67		153	33,252
Beans, edible, dry	101	3,018	101	11,256
Beer				48
Beverages, nonalcoholic	27		27	
Bones and bone meal		12	1,213	159
Books and printed matter	14		14	
Borax		414		11,168
Bran and pollards				1,232
Bricks and tile	544	28	944	28
Canned and preserved goods:				
Fish	479	12,996	823	16,154
Fruit	702	22,278	809	62,663
Meat	94	458	1,698	536
Milk		20	358	152
Soup	3,762	108	3,815	108
Vegetables	1,439	6,255	1,456	6,432
Miscellaneous and unclassified	3,953	9,193	4,207	9,959
Carbon black	41		908	
Celite		1,428	25	1,428
Cement	621	93	10,366	93
Chalk			443	
Charcoal	57		256	
Chemicals <sup>6</sup>	4,966	5,113	9,310	4,145
Clay, china and fire	253	265	543	356
Clay, filtering	531	121	581	319
Coal	1,631		5,994	
Cocoa and cacao beans	153		1,089	2,017
Cocoanuts and products <sup>6</sup>		1,061	7	1,559
Coffee	38	128	4,652	12,036
Coke		30	11,624	30
Cold storage and refrigerated products:				
Dairy products	157	97	396	4,128
Eggs	47	45	47	531
Fish	38	109	45	917
Lard	320	15	451	70
Meats	71		247	5,255
Poultry	18	215	18	314
Vegetables		143		150
Other and unclassified	4	7	24	17
Confectionery	860	20	896	20
Copra			559	15,604
Copra meal and cake			5	101
Corn		22	21,462	23
Cotton, raw	73	53	4,267	13,374
Creosote			41	
Drugs and medicines	1,200	208	1,430	211
Dyes			210	17
Earthenware	85		212	318
Eggs, dried				526
Electrical apparatus and appliances	2,415	95	2,999	95
Enamelware and metalware	67	10	214	466
Explosives			400	
Extract, quebracho			804	
Fertilizers <sup>6</sup>	94	22	5,141	94
Fish meal		418	10	2,354
Floor coverings	1,575	1,260	1,692	1,515
Flour	199	12,058	942	14,535
Fruit, dried	125	7,097	187	16,566
Fruit, fresh <sup>6</sup>	160	5,829	160	10,868
Furniture and household goods	312	9	322	24
General	17,274	5,243	55,159	19,254
Glass and glassware	3,018	867	7,092	2,091
Glue	22	103	31	103
Grains <sup>6</sup>			75	102
Groceries	778	84	1,099	485
Gums		24		259
Hair, all kinds	30	101	57	335
Hay		168	15	168
Hemp, unmanufactured	14		37	947
Honey		261		472
Horns and hoofs			122	2
Infusorial earth	36	755	56	1,258

<sup>6</sup> Except as otherwise classified.



Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	108,949	767	249,215	2,575
Ivory nuts			714	3,381
Jute, unmanufactured	134		822	142
Lard substitute	479		543	69
Lime	13		13	
Liquors	2,939	329	4,640	341
Lumber (including manufactured mill products)	2,842	155,570	3,977	306,738
Machinery	3,661	960	12,974	1,180
Malt			1,293	60
Manufactured goods <sup>6</sup>	8,648	1,570	15,180	3,748
Marble and granite	75		291	
Matches	95		135	
Metals:				
Antimony	27		27	
Copper	24	1,986	5,971	42,504
Gold and silver				10
Iron	5,204		66,407	
Lead	320	1,650	331	15,104
Tin	129	161	2,475	582
Zinc	18	22	254	8,147
Other and unclassified	212	27	1,015	898
Milk, powdered		284		284
Molasses and syrups	267		334	741
Nitrates	6,877		9,718	75,885
Nuts, edible (including meats)		115	758	584
Oats		290	33	4,185
Oils, mineral:				
Crude	127	9,016	205	135,161
Diesel and fuel	2	36	41,750	93,630
Gasoline, benzine, and naphtha		69,259	2,695	139,082
Kerosene	44	9,178	302	41,247
Lubricating and greases	8,737	335	19,606	824
Other and unclassified	23		98	
Oils, vegetable:				
Coconut		453	936	7,642
Cottouseed	528		1,195	266
Linseed	23		63	
Olive	5		320	
Peanut oil				643
Rapeseed				302
Teaseed oil				63
Wood				6,156
Other and unclassified	406	3	1,511	4,484
Oil, fish		165	93	1,231
Oil, whale		917		1,244
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)		16	1	3,635
Oilseed cake and meal	25	23	25	6,242
Ores:				
Antimony				634
Chrome				9,853
Copper				6,513
Gold and silver				1,180
Iron			6,316	148,354
Lead				8,801
Magnesite		1,581		1,721
Manganese	1	930	1,030	1,691
Tin			188	4,266
Zinc	67		6,600	17,972
Other and unclassified	17	178	122	1,452
Paints and varnishes	1,258	138	3,302	204
Paper and paper products <sup>6</sup>	14,809	8,600	36,883	15,748
Peanuts	112		112	
Peas, dry		339		957
Peatmoss	12		1,343	
Phosphates	411	858	27,843	14,258
Plaster	20		271	
Porcelainware	424	290	927	8,105
Potash		4,919	5,745	4,919
Pyrethrum flowers				139
Rags and waste	120	474	733	1,345
Railroad material	635		2,996	
Rice	97	451	241	10,406
Rope and twine	224	75	437	168
Rosin	1,610		5,751	
Rubber:				
Manufactured	1,206	285	1,522	449
Raw	58		82	5,033
Scrap			248	96
Salt	137	189	8,329	4,085

<sup>6</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Sand.....	2,176	.....	4,430	282
Scrap metal.....	365	287	169,690	2,488
Seeds (except oilseeds).....	.....	624	513	761
Shells, all kinds.....	70	19	270	369
Silk, raw.....	.....	171	5	2,631
Skins and hides.....	73	1,552	440	5,893
Slag.....	.....	.....	327	.....
Slate.....	1,682	.....	1,682	.....
Soaps and products.....	2,640	11	2,847	115
Soda and sodium compounds:				
Soda ash.....	3,939	.....	5,209	897
Soda, caustic.....	183	.....	2,385	.....
Miscellaneous and unclassified.....	176	20	429	159
Soy beans.....	39	.....	39	.....
Sugar.....	45	19,398	170	164,031
Sulphur.....	29,126	.....	35,232	803
Talc.....	.....	54	.....	54
Tallow.....	.....	207	292	1,302
Tea.....	17	6	161	1,601
Textiles <sup>7</sup> .....	4,721	61	9,910	5,706
Tinplate.....	1,537	.....	16,761	335
Tobacco and manufactures.....	480	7	2,550	190
Toilet preparations.....	118	6	177	76
Turpentine.....	129	.....	157	.....
Vegetables, dry <sup>6</sup> .....	.....	26	33	422
Wall board.....	90	.....	290	1,050
Wax, paraffin.....	139	.....	771	39
Wheat.....	30	74	116	2,943
Wines.....	109	1,161	580	2,107
Wood pulp.....	37	25,453	16,318	32,121
Wool.....	142	2,673	142	6,729
Total, August 1937.....	276,304	433,150	1,062,590	1,718,013
Total, August 1936.....	277,091	475,033	770,943	1,625,358
Total, August 1935.....	216,867	388,792	672,957	1,346,341

<sup>6</sup> Except as otherwise classified.<sup>7</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows the tanker traffic through the Canal during the month of August 1937, according to trade routes:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	7	42,253	.....	9	52,837	<sup>8</sup> 98,284
East coast United States and Hawaiian Islands.....	1	4,412	.....	.....	.....	.....
East coast Canada and South America.....	2	11,208	.....	2	11,680	25,444
South American intercoastal.....	2	10,975	21,314	.....	.....	.....
Cristobal and United States.....	1	5,761	.....	1	5,761	11,509
West Indies and:						
United States.....	6	30,603	.....	10	53,718	106,972
South America.....	1	6,405	.....	1	4,716	8,803
Balboa.....	3	10,977	22,037	1	1,081	.....
Europe and:						
United States.....	8	48,371	.....	3	18,559	<sup>9</sup> 37,001
South America.....	5	29,783	.....	8	55,164	113,458
Total.....	36	200,748	43,351	35	203,516	401,471

<sup>8</sup> Includes 10,860 tons petrolastic asphalt.<sup>9</sup> In addition to this amount, 17,500 tons of crude oil were shipped over this route in a whaler.

## Comparison of Canal Traffic in August 1937, with August Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of August			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1915.....	148	(000 omitted) 10 492	(000 omitted) 571	1915.....	11 100	(000 omitted) 361	(000 omitted) 466
1916.....	131	443	506	1916.....	60	199	258
1917.....	161	510	578	1917.....	145	483	588
1918.....	152	451	534	1918.....	165	547	627
1919.....	183	586	716	1919.....	162	510	576
1920.....	238	948	1,040	1920.....	199	712	781
1921.....	230	965	839	1921.....	232	950	966
1922.....	250	1,084	1,166	1922.....	222	951	907
1923.....	445	2,232	2,168	1923.....	325	1,550	1,631
1924.....	369	1,902	1,958	1924.....	429	2,179	2,249
1925.....	364	1,779	1,912	1925.....	382	1,904	1,996
1926.....	450	2,230	2,320	1926.....	424	2,064	2,169
1927.....	525	2,512	2,429	1927.....	441	2,184	2,311
1928.....	510	2,435	2,424	1928.....	521	2,453	2,468
1929.....	519	2,556	2,680	1929.....	524	2,485	2,554
1930.....	455	2,344	2,147	1930.....	502	2,497	2,502
1931.....	377	1,997	1,788	1931.....	447	2,314	2,089
1932.....	298	1,657	1,348	1932.....	364	1,968	1,650
1933.....	393	2,159	1,913	1933.....	347	1,900	1,513
1934.....	401	2,245	2,188	1934.....	436	2,379	2,059
1935.....	395	2,102	2,019	1935.....	432	2,317	2,109
1936.....	473	2,398	2,396	1936.....	449	2,335	2,209
1937.....	505	2,597	2,781	1937.....	449	2,291	2,342
				(12).....	470	2,421	2,531

<sup>10</sup> Canal opened August 15, 1914. <sup>11</sup> Average for 10½ months. <sup>12</sup> Average 8 months of calendar year 1937.

### Terminal Activities

Ships repaired during the month of August 1937 numbered 62; of this number 5 were drydocked. Fuel oil in the quantity of 240,487 barrels was delivered as bunkers to 111 commercial ships. Bunker coal amounting to 9,609 tons was delivered to 31 commercial ships. Sales of commissary supplies to ships aggregated \$45,735.88.

### Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving..... tons.....	20,315	14,073	34,388
Local cargo shipped..... tons.....	3,178	3,574	6,752
Cargo received for transshipment..... tons.....	46,155	799	46,954
Cargo transhipped..... tons.....	49,346	781	50,127
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	9	1	10
Number of releases issued.....	34	9	43
Tons received.....	40	9	49
Tons withdrawn.....	70	4	74

### All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal.....	569	3,465,197	2,059,285	540	3,241,249	1,935,769
Vessels entering port but not transiting Canal.....	54	294,537	167,197	9	49,669	25,080
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	161	994,435	580,341	111	738,278	432,302
<i>Ships clearing</i>						
All vessels, including those transiting Canal.....	573	3,472,620	2,064,671	538	3,237,254	1,933,836
Vessels clearing port but not transiting Canal.....	55	293,272	166,377	9	49,669	25,080
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	163	1,003,438	585,224	110	731,983	428,875

### Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight, August 10, 1937, to midnight, September 10, 1937. Figures after names of vessels show, respectively, tons discharged and tons laden:

#### CRISTOBAL

Kreta, 29, 497	Alkmaar, 444, 1,344	Santa Paula, 383, 135	Atlantian, 214, 38	Colombia, 79, 882
Tillie Lykes, 0, 738	Cefalu, 141, 482	Weyming, 51, 157	Cordillera, 121, 8	Kinai Maru, 800, 95
Santa Maria, 243, 74	San Francisco, 9, 858	Crynsen, 174, 3	Rialto, 104, 123	Norden, 520, 0
Deroche, 414, 0	Acajutla, 608, 912	Cefalu, 431, 603	Pacific, 0, 146	Asuka Maru, 189, 0
Komaki Maru, 426, 0	Santa Barbara, 222, 48	Salvador, 383, 0	Arizona, 389, 50	Nuevo Panama, 0, 204
Scholar, 288, 17	Barneveld, 94, 0	Tatsuno Maru, 65, 0	Fulda, 767, 774	Daytonian, 204, 0
Wisconsin, 262, 460	Montevideo Maru, 0	Koln, 135, 411½	Saarland, 143, 43	Orazio, 163, 227
Sambu, 20, 53	240	Cacique, 28, 126	Contessa, 215, 483	Peten, 9, 223
Guayaquil, 1,698, 555	Santa Lucia, 300½, 96	Ammon, 184, 198	Real, 0, 50	Roda, 139, 132
Pereira, 0, 1,164	Lochmonar, 103, 0	Cristobal, 2,257, 1,242	Tai Yang, 938, 5	Pereira, 475, 0
Peten, 73, 8	San Jose, 225, 0	Atenas, 207, 0	Mayan, 1,011, 666	Gansford, 33, 742
Rhakotis, 244, 88	Santa Clara, 230, 67	Nojima Maru, 724, 0	Tacoma, 34, 56	Durazzo, 1,362, 0
Nansenville, 5, 308	Damsterdijk, 220, 22	Veragua, 69, 39	Annie Johnson, 0, 12	Santa Maria, 342, 116
Wales Maru, 683, 0	Buenaventura, 1,522,	Baarn, 143, 466	Loriga, 21, 264	Ino, 425, 22
Santa Marta, 113, 220	633	Santa Inez, 385, 54	San Lucas, 254, 0	Contessa, 541, 346
Esparta, 327, 48	Quirigua, 56, 25	Jefferson Myers, 6, 0	Ancon, 3,051, 831	Niel Maersk, 1,227, 0
Ville D'Amiens, 0, 16	Velma Lykes, 778, 349	Metapan, 216, 284	Santa Barbara, 125, 41	Salvador, 0, 717
Ino, 407, 381	Sixola, 735, 368	Nuevo Panama, 234,	Arawa, 69, 0	Troi Ilets, 299, 0
Ulua, 564, 325	Osnabrock, 168, 193	194	Harboe Jensen, 162, 0	Liss, 10,337, 0
Colombia, 67, 818	Duesseldorf, 85½, 310	Clio, 574, 97	Troi Ilets, 245, 77	Turrialba, 374, 0
Cerigo, 1,280, 323½	Leme, 62, 0	Europa, 16, 0	Clio, 615, 278	Passajero, 0, 26
Durazzo, 16, 552	Virgilio, 5, 51	Haiti, 37, 978	Palatia, 12, 735	Dresden, 266, 453
Troi Ilets, 233, 47	Ino, 427, 101	Tolosa, 319, 418½	Manizales, 1,281, 462	San Simeon, 332, 49
San Felipe, 281, 0	Santa Maria, 11,405, 0	Mantilla, 3,269, 0	Laurits Swenson, 4, 265	Firmore, 11,971, 0
Peten, 32, 30½	Pastores, 167, 742	Port Antonio, 1, 541	Peten, 35, 4	Guayaquil, 1,564, 0
Lochgoil, 299, 228	Calamares, 489, 554	Manizales, 1,219, 0	Santa Rosa, 11, 170	Veragua, 31, 6
Lagarto, 221, 2 pkgs.	West Notus, 33, 39	Peter Kerr, 77, 0	Tivives, 417, 396	Santa Marta, 352, 158
Alaska, 871, 5	Istmo, 720, 84	Anubis, 1, 512	Havelland, 6, 18	Nebraska, 11, 64
Simon Bolivar, 153, 7	Skagerak, 1, 0	Tokai Maru, 706, 52	Balboa, 0, 398	Santa Rita, 370, 2
Benj. Franklin, 8, 0	Cal, 1,329½, 650½	Kimikawa Maru, 955, 0	Istmo, 721, 0	Katsuragi Maru, 913, 0
Istmo, 715, 186	Winnipeg, 104, 292	Simon Bolivar, 5 pkgs.,	San Diego, 33, 78	Portland, 80, 453
Santa Rosa, 402, 53	Oakland, 324, 1,042	2,136	Abraham Lincoln, 8, 0	Hermonthis, 70, 1
Chilore, 10,453, 0	DeLa Salle, 92, 1,078	Istmo, 728, 97	Baru, 0, 87	
Pres. Cleveland, 166, 0	Cordillera, 12, 900½	Troi Ilets, 233, 0	Crynsen, 4, 702	
Juanita, 150, 0	Quirigua, 6, 124	Veragua, 6½, 41	Ulua, 437, 160	
Sona, 13, 4	Feodosia, 113, 263	Orbita, 217, 55		

#### BALBOA

Antares, 11, 0	Santa Rosa, 46, 14	Santa Inez, 128, 7	Dusseldorf, 106, 0	Santa Rosa, 7, 24
Salvador, 0, 74	Acajutla, 1, 0	Talamanca, 316, 17	Antigua, 276, 17	Limalite, 348, 0
Republic, 105, 178	Lochgoil, 0, 75	Tai Yang, 227, 0	Santa Paula, 80, 0	Chateau Thierry, 975,
Santa Maria, 137, 55	Juanita, 2,376, 0	Geisha, 2,108, 0	Mayan, 0, 25	0
Pres. Garfield, 3, 0	Ludington, 1,797, 216	Henderson, 23, 9	Salvador, 3, 0	Chiriqui, 474, 27
Virginia, 45, 187	Santa Barbara, 17, 16	Santa Lucia, 98, 0	El Aletto, 10,649, 0	Niel Maersk, 178, 0
Chateau Thierry, 2,479,	Santa Elena, 9, 11	Iocoma, 1,663, 0	Bokuyo Maru, 50, 0	Santa Maria, 22, 5
128	St. Mihiel, 65, 37	Santa Clara, 158, 21	Baarn, 158, 0	Oliver Olsen, 3,324, 0
Heranger, 9, 0	Grant, 204, 187	Pres. Hayes, 3, 0	Canada, 154, 78	Nitro, 14, 0
Chiriqui, 339, 29	Rialto, 1,212, 0	California, 0, 24	Santa Barbara, 103, 42	Pennsylvania, 30, 65

NOTE.—Figures shown resresent short tons of 2,000 pounds.

#### Passengers

Ocean ship passengers disembarking at Cristobal numbered 2,137; embarking 1,969; at Balboa, 1,111 disembarking and 1,180 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 7,407, from the Pacific to the Atlantic, 4,375. Aircraft numbering 53 entered Cristobal, and 222 passengers disembarked; clearances were 52, with 214 passengers embarking; at Balboa entries of aircraft were 63, with 156 passengers disembarking; clearances, 63, with 87 passengers embarking.

#### Provisions Required by Ships

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at reasonable prices. Beef especially is available at low prices.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit.



**Movements of Ocean Vessels Through the Panama Canal**  
**From midnight August 10, 1937, to midnight September 10, 1937**

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Anna Knudsen <sup>1</sup>	9	11	Nor.	Knud Knudsen, O.A.S.	Curacao, N. W. I.	Cabo Bl'co, Peru	Ballast	
Elbe <sup>2</sup>	10	11	Ger.	North German Lloyd.	Hamburg, Ger.	Vancouver, B. C.	General	5,572
Maria Stathatos.	10	11	Greek.	States Marine Corp.	Savannah, Ga.	Kobe, Japan	Scrap iron	7,309
Brazilian Reefer <sup>2</sup>	10	11	Dan.	J. Lauritzen	Rotterdam, Neth.	Seattle, Wash.	Ballast	
Surrey	10	11	Brit.	Mont.-Aust.-N.Z.Line	Glasgow, Scotland	Adelaide, Aust.	General	5,106
Villanger <sup>2</sup>	11	11	Nor.	Interocean S. S. Corp.	Antwerp, Belgium	Vancouver, B. C.	Ballast	
Republic <sup>8</sup>	10	13	Amer.	U. S. Army	New York, N. Y.	Honolulu, T. H.	General	1,221
City of Elwood <sup>2</sup>	11	11	Amer.	Roosevelt S. S. Co.	Philadelphia, Pa.	Brisbane, Aus'lia.	Autos., gen.	4,257
Ardenvohr <sup>2</sup>	11	12	Brit.	Mont.-Aust.-N.Z.Line	Montreal, Canada	Dunedin, N. Z.	General	4,463
San Bernardino.	10	11	Amer.	States S. S. Co.	New York, N. Y.	Seattle, Wash.	General	3,604
Orduna	10	11	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile.	General	3,638
Naruto Maru <sup>2</sup>	11	11	Jap.	Nippon Yusen Kaisha	Boston, Mass.	Osaka, Japan.	Steel, gen.	8,310
Shobei Maru <sup>2</sup>	11	11	Jap.	Mitsui & Co.	New York, N. Y.	Moji, Japan.	Steel, gen.	9,076
Real <sup>2</sup>	10		Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Enoch <sup>3</sup>	11		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		
President Herrenschmidt <sup>1, 2</sup>	11	12	Nor.	Pechelbronn	Donges, France.	Talara, Peru.	Ballast	
Susan V. Luckenbach.	11	12	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	Mach., gen.	3,875
Watsonville	12	12	Amer.	Hammond Lumber Co.	New York, N. Y.	S. Francisco, Cal.	Soda ash	2,500
Chesapeake <sup>1, 2</sup>	12	12	Brit.	Anglo-Amer. Oil Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Santa Maria <sup>2</sup>	12	13	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,885
Port Brisbane	12	12	Brit.	Port Line	New York, N. Y.	Auckland, N. Z.	General	5,422
Deroche <sup>1</sup>	12	12	Amer.	Union Oil of Calif.	San Francisco, N. J.	Los Angeles, Cal.	Ballast	
Chateau Thierry <sup>8</sup>	12		Amer.	U. S. Army	New York, N. Y.	Balboa, C. Z.	General	3,708
President Garfield	13	13	Amer.	Dollar Line	Port Said, Egypt.	Round the world.	General	4,621
Loch Lomond	12	13	Brit.	Glasgow S. S. Co.	Houston, Tex.	Japan	Scrap iron	8,287
Virginia	12	13	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	2,606
Vito	12	13	Nor.	Kawasaki K. Kaisha	Philadelphia, Pa.	Moji, Japan.	Steel ingots	7,900
Montrolite <sup>1, 2</sup>	13	13	Brit.	Imperial Oil Co.	Halifax, N. S.	Talara, Peru	Ballast	
Jomar	13	13	Amer.	Weyerhaeuser S. S. Co.	Brooklyn, N. Y.	Los Angeles, Cal.	General	3,555
Adula <sup>1, 2</sup>	13	13	Brit.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Los Angeles, Cal.	Ballast	
Helga	13	13	Dan.	J. Lauritzen	New York, N. Y.	Talcahuano, Chile	General	2,128
Wisconsin	12	13	Fr.	French Line	Havre, France.	Vancouver, B. C.	General	6,969
Heranger <sup>2</sup>	13	13	Nor.	Interocean S. S. Co.	Rotterdam, Neth.	Los Angeles, Cal.	General	35
Sambu <sup>2</sup>	12	13	Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	Gasoline	10
Taybank <sup>2</sup>	14	14	Brit.	Anglo-Saxon Pet. Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
Montgomery City	14	14	Amer.	Bank Line	Boston, Mass.	Shanghai, China.	General	4,643
Pacific Shipper <sup>2</sup>	14	14	Brit.	Isthmian S. S. Lines.	Mobile, Ala.	Moji, Japan	Steel	8,071
Kotoku Maru <sup>2</sup>	14	14	Jap.	Furness, Withy & Co.	Glasgow, Scotland	Vancouver, B. C.	General	845
Ville D'Amiens.	14	14	Fr.	Hiroumi Shoji K. K.	Philadelphia, Pa.	Moji, Japan	(14)	7,556
Dakotan	14	15	Amer.	French Line	Marseilles, France	Noumea, N. Caled.	General	785
Artemisia	14	15	Brit.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Ore.	General	4,285
Athelqueen <sup>1, 2</sup>	14	15	Brit.	H. M. Thompson	Lake Charles, La.	Yawata, Japan.	Scrap steel	8,750
Herman F. Whiton	14	15	Brit.	United Molasses Co.	Bremerh' n, Ger.	S. Francisco, Cal.	General	4,285
Port Dunedin <sup>2</sup>	15	15	Amer.	Texas Gulf Sulphur Co.	Galveston, Tex.	Tacoma, Wash.	Sulphur	7,287
Steel Trader	15	15	Brit.	Port Line	London, England	Timaru, N. Z.	General	6,647
Dorothy Luckenbach.	15	15	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Seattle, Wash.	(15)	4,861
West Cape	15	15	Amer.	Luckenbach Line	Mobile, Ala.	Seattle, Wash.	General	3,753
Ino <sup>2</sup>	14	15	Neth.	McCormick S. S. Co.	Albany, N. Y.	Los Angeles, Cal.	General	4,923
Korana	15	15	J.-Slav	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	346
Baru <sup>2</sup>	15	15	Pan.	Chile Nit. Sales Corp.	Avonmouth, Eng.	Chile	Ballast	
San Felipe	15	16	Amer.	Elliot Ship & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sonnvindr <sup>2</sup>	15	16	Nor.	States S. S. Co.	Norfolk, Va.	Seattle, Wash.	(16)	3,873
Torvanger	15	16	Nor.	Continental Grain Co.	New York, N. Y.	Moji, Japan.	Scrap iron	8,167
Glitter <sup>1, 2</sup>	15	16	Nor.	Chile Nit. Sales Corp.	Rotterdam, Neth.	Tocopilla, Chile.	Ballast	
Point Ancha	16	16	Amer.	Peder Suedvig	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
Durazzo	16	16	Nor.	Swayne & Hoyt	New Orleans, La.	Los Angeles, Cal.	General	5,734
Pereira	15	16	Ger.	Hamburg-Amer. Line.	Managua, Col.	B'ventura, Col.	General	1,111
Isthmian	10	16	Pan.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	1,160
Trois Ilets.	16	16	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Tacoma, Wash.	General	3,173
Kamikawa Maru <sup>2</sup>	16	16	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	51
Leonet <sup>3</sup>	16	16	Jap.	Kawasaki K. Kaisha	Philadelphia, Pa.	Shanghai, China.	Iron, gen.	5,330
Teal <sup>10</sup>	16	16	Pan.	A. Ferrari	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Montevideo Maru <sup>2</sup>	16	18	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Nordvard <sup>2</sup>	16	17	Jap.	Osaka Shosen Kaisha.	Rio Grande, Brazil	Kobe, Japan	General	3,648
Nordhavet <sup>2</sup>	16	17	Nor.	J. Adler, Jr.	Mobile, Ala.	Kamaishi, Japan.	Scrap iron	7,095
Benjamin Franklin <sup>2</sup>	16	17	Dan.	Joh. Bruhn & Co.	Houston, Tex.	Yokohama, Japan	Scrap iron	7,611
Katrine Maersk <sup>1, 2</sup>	16	17	Nor.	Fred Olsen & Co.	Oslo, Norway	Vancouver, B. C.	General	5,261
Lapwing <sup>10</sup>	17	17	Dan.	Shell Oil Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	(17)	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>8</sup> Transport. <sup>10</sup> Mine sweeper. <sup>13</sup> For bananas and return to Cristobal. <sup>14</sup> General, scrap steel. <sup>15</sup> Steel products, general. <sup>16</sup> General, steel, automobiles. <sup>17</sup> Towing barge No. 2.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Istmo	16	17	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	(13)	300
San Benito	17	17	Pan	United Fruit Co.	Mobile, Ala.	Pto. Arm. Iles, R. P.	Ballast	
Juanita 1	17	17	Venez	Shell Oil Co.	Curacao, N. W. I.	Balboa, C. Z.	Gasoline	1,953
Lochgoil 2	16	18	Brit	N. Pac. Coast Line.	Rotterdam, Neth.	Vancouver, B. C.	General	2,960
Georgian	17	17	Amer.	Amer.-Hawaiian Line.	New York, N. Y.	S. Francisco, Cal.	General	3,360
Luna 2	17	17	Pan	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Theofano Livanos	17	18	Greek	S. Livanos & Co.	Hartlepool, Eng.	Chile	Ballast	
Tatsuba Maru	17	18	Jap.	Mitsubishi Shoji K.	Tampa, Fla.	Yokohama, Japan	Phosphate	8,078
Chryssi	17	18	Greek	P. J. Goulandris	Botwood, Nfld.	Tacoma, Wash.	(14)	7,889
Clio 1 2	18	18	Pan	Standard Oil of N. J.	LaGuayra, Venez.	Iquique, Chile	(15)	11,697
Chilore	16	18	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Llandaff	18	18	Brit	Anglo-Can. S. S. Co.	Baltimore, Md.	Vancouver, B. C.	Ballast	
Alkmaar	17	18	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	4,620
Real 2	17	17	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu 2	17	17	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona 2	17	18	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	Gasoline	31
Cacique	18	19	Amer.	Grace Line	Baltimore, Md.	Talcahuano, Chile	(16)	1,900
Lundy 2	18	19	Dan.	Canadian Transp. Co.	Turks Is., B. W. I.	Vancouver, B. C.	(17)	6,531
Athelaird 1 2	18	19	Brit.	United Molasses Co.	Birkenhead, Eng.	Los Angeles, Cal.	Ballast	
Fulgor 1	18	19	Ital	La Columbia	Copenhagen, Den.	Talara, Peru	Ballast	
Ammon	19	19	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile	General	5,739
Athelduke 1 2	19	19	Brit.	Dreyfus, Paris	Hull, England	Estero Bay, Calif.	Ballast	
Gausdal 2	19	19	Nor	States Marine Corp.	New Orleans, La.	Osaka, Japan	Steel, cotton	7,900
Inverbank 2	19	20	Brit.	Long Is. Mach. & Equip.	Moorehead, N. Z.	Kamaishi, Japan	Scrap metal	8,010
Enoch 3	18	20	Pan	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	(18)	
Lafemo	19	20	Amer.	Weyerhaeuser S. S. Co.	Freeport, Tex.	Longview, Wash.	Sulphur	6,915
Vinni 2	19	20	Nor	Kawasaki K. Kaisha	Texas City, Tex.	Kobe, Japan	Scrap iron	7,923
President Wilson	20	21	Amer.	Dollar Line	Boston, Mass.	Manila, P. I.	General	5,065
William Luckenbach	19	20	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	3,742
Hokkai Maru 2	20	20	Jap.	Osaka Shosen Kaisha	Boston, Mass.	Kobe, Japan	General	8,163
Ridley 2	20	20	Brit.	States Marine Corp.	Baltimore, Md.	Kobe, Japan	Gen., pig iron	8,859
Peter Maersk 2	20	20	Dan.	Maersk Line	Boston, Mass.	Cebu, P. I.	General	7,119
Stjerneborg 2	20	20	Dan.	Isbrandtsen Moller Co.	Baltimore, Md.	Moji, Japan	Steel	7,798
Chinese Prince 2	20	20	Brit.	Prince Line, Ltd	New York, N. Y.	Hongkong, China	General	5,771
Kuretake Maru	20	21	Jap.	Mitsubishi Shoji K.	Tampa, Fla.	Osaka, Japan	Phosphate	6,782
Santa Elena	20	21	Amer.	Grace Line	New York, N. Y.	S. Francisco, Cal.	General	2,557
Atlantico	20	21	Greek	States Marine Corp.	Tampa, Fla.	Moji, Japan	Scrap iron	7,713
St. Mihiel 8	19	21	Amer.	U. S. Army	Brooklyn, N. Y.	S. Francisco, Cal.	General	433
P-10 5	12	21	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Corsair 5	19	21	Amer.	George Herman	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Akara	20	21	Brit.	Shaw, Savill & Albion	London, England	Auckland, N. Z.	General	5,120
British Columbia Express 2	20	21	Nor	Fruit Express Line	Goth'burg, Swed.	Portland, Oreg.	Ballast	
Santa Inez 2	20	21	Amer.	Grace Line	New York, N. Y.	Ant'fagasta, Chile	General	2,368
Queen Eleanor	20	21	Brit.	Chile Nit. Sales Corp.	Baltimore, Md.	Ant'fagasta, Chile	Coke	778
Panaman	21	21	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	4,190
Gen. M. H. Sherman	21	21	Amer.	Matson Nav. Co.	Baltimore, Md.	Hilo, T. H.	General	4,916
Ekaterini Nicolau	20	21	Greek	Commercial Metals Co.	Houston, Tex.	Yawata, Japan	Scrap iron	9,205
Europa 2	21	21	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	(19)	587
Hororata	21	21	Brit.	N. Z. Shipping Co.	Philadelphia, Pa.	Adelaide, Aus'lia	General	5,914
Mobiloil 1	21	21	Amer.	Socony Vac. Oil Co.	Providence, R. I.	Los Angeles, Cal.	Ballast	
Clio 2	20	21	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	88
Nuevo Panama 2	20	21	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Punta Arenas, C.R	General	160
Lee Dawson	21	22	Brit.	Chile Nit. Sales Corp.	Three Riv., Can.	Callao, Peru	Newsprint	2,040
Woodcock 10	22	22	Amer.	U. S. Navy	Guantanamo, Cuba	Balboa, C. Z.	Ballast	
Havkong 1 2	21	22	Nor	P. Meyer	Rotterdam, Neth.	Richmond, Calif.	Ballast	
Texmar	21	25	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,732
Eleanor Christensen	22	22	Amer.	Arrow Line	Baltimore, Md.	Seattle, Wash.	General	3,577
Brandanger 2	22	22	Nor	Westfal, Larsen & Co.	Rosario, Arg.	Vancouver, B. C.	General	5,827
Mina L. Cambanis	22	22	Greek	Yamashita K. Kaisha	Boston, Mass.	Yawata, Japan	Scrap iron	7,125
Texas Sun 1 2	22	22	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	
Volunteer	22	22	Amer.	Lykes Bros.-Ripley Co.	Galveston, Tex.	Cebu, P. I.	General	9,316
Chelsea	22	29	Brit.	Chile Nit. Sales Corp.	Rotterdam, Neth.	Ant'fagasta, Chile	Ballast	
Anglo-Canadian 2	22	22	Brit.	Union S. S. Co., N. Z.	Liverpool, Eng.	Vancouver, B. C.	Ballast	
Baron Renfrew	22	23	Brit.	H. Hogarth & Sons	New York, N. Y.	Osaka, Japan	Pig iron	7,000
S-42 7	22	23	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-44 7	22	23	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Peter Kerr	22	23	Amer.	Quaker Line	Philadelphia, Pa.	Portland, Oreg.	General	4,240
Olaf Bergh	22	23	Nor	Chile Nit. Sales Corp.	Baltimore, Md.	Chile	Ballast	
S-46 7	22	23	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Cathood 1	22	23	Amer.	Union Oil Co. of Calif.	Philadelphia, Pa.	Los Angeles, Cal.	Ballast	
Steel Voyager	22	23	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Shanghai, China	(20)	7,694
San Bruno	22	24	Pan	United Fruit Co.	Philadelphia, Pa.	Pto. Arm. Iles, R. P.	Ballast	
Anglo Saxon	23	23	Brit.	Canadian Trading Co.	Barry, England	Brit. Columbia	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Submarine. <sup>6</sup> Transport. <sup>7</sup> Gasoline, general. <sup>8</sup> Zinc, asbestos. <sup>9</sup> Diesel and fuel oil. <sup>10</sup> Automobiles, general, steel. <sup>11</sup> Salt, general, sulphur. <sup>12</sup> For bananas and return to Cristobal. <sup>13</sup> Clay, general, peat moss. <sup>14</sup> Steel products, general.



## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Svealand <sup>2</sup>	23	23	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Anubis <sup>2</sup>	22	23	Ger.	Hamburg-Amer. Line.	Philadelphia, Pa.	Osaka, Japan	Phosphate	7,248
Point Clear	23	23	Amer.	Swayne & Hoyt	New Orleans, La.	Los Angeles, Cal.	General	5,981
Istmo	23	23	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	190
Selma City	23	23	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Tacoma, Wash.	Steel, gen.	5,585
Sun <sup>1</sup>	23	23	Amer.	Sun Oil Co.	Perth Amboy, N. J.	Los Angeles, Cal.	Ballast	
Cerigo	14	24	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecua.	General	295
Mallard <sup>10</sup>	3	3	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
L-53 <sup>5</sup>	23	24	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Yorkmar	22	24	Fr.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,299
Trois Ilets	24	26	Fr.	French Line	Cristobal, C. Z.	Manta, Ecuador	Ballast	
Geisha <sup>2</sup>	17	24	Nor.	Knut Knudsen, O.A.S.	Goth burg, Swed.	Valparaiso, Chile.	Gen., cement	3,407
Acajutla	17	24	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	912
Arizona	24	24	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General	3,625
Royal Star	24	24	Brit.	Bunge & Borne, Ltd.	Buenos Aires, Arg.	Vancouver, B. C.	Maize	8,248
Port Huon <sup>2</sup>	24	24	Brit.	Port Line	Glasgow, Scot.	Oamaru, N. Z.	General	7,996
Bounty <sup>14</sup>	24	24	Amer.	Roy Phillips	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Luna <sup>2</sup>	24	24	Pan.	A. Tazaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Henderson <sup>8</sup>	24	26	Amer.	U. S. Navy	Norfolk, Va.	S. Francisco, Cal.	General	1,084
Sneast <sup>2</sup>	25	25	Nor.	Fern Line	Philadelphia, Pa.	Kobe, Japan	Pig iron	7,105
Tomislav	25	25	J.-Slav.	Chile Nit. Sales Corp.	Swansea, Eng.	Tocopilla, Chile.	Ballast	
Fulda <sup>2</sup>	24	25	Ger.	North German Lloyd.	Hamburg, Ger.	Corral, Chile.	General	7,664
Herman Frasc.	25	25	Amer.	Union Sulphur Co.	Galveston, Tex.	Everett, Wash.	Sulphur	6,300
Real <sup>2</sup>	24	24	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	General	21
Taira <sup>2</sup>	24	24	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Trinidad <sup>2</sup>	24	24	Pan.	Standard Fruit Co.	Cristobal, C. Z.	Gatun, C. Z.	(15)	
Barge No. 4	25	26	Pan.	H. J. Quigley	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Frank <sup>2</sup>	25	26	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>15</sup>		
Lochmonar <sup>2</sup>	25	26	Brit.	Royal Mail Lines	Rotterdam, Neth.	Vancouver, B. C.	General	1,901
Muncaster Castle <sup>2</sup>	25	26	Brit.	Barber Line	Baltimore, Md.	Kobe, Japan	Steel prod.	7,245
Sessa	25	26	Dan.	Wessel, Duval & Co.	New York, N. Y.	Talcahuano, Chile	General	1,849
Oklahoma	26	26	Amer.	Amer.-Hawaiian Line.	N. London, Conn.	Tacoma, Wash.	General	2,337
Trontolite <sup>1</sup>	26	26	Brit.	Imperial Oil Co.	Halifax, N. S.	Talara, Peru	Ballast	
Kirishima Maru <sup>2</sup>	26	26	Jap.	Kokusai Kisen Kaisha	New York, N. Y.	Kobe, Japan	General	7,541
Sahale	26	26	Amer.	Weyerhaeuser S.S.Co.	New York, N. Y.	Seattle, Wash.	General	3,577
Prometheus Marv	26	27	Jap.	Mitsubishi S. Kaisha.	New Orleans, La.	Yawata, Japan	Scrap iron	7,290
Florence Luckenbach.	26	26	Amer.	Luckenbach Line	Mobile, Ala.	Seattle, Wash.	General	4,212
Santa Clara	26	27	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	3,888
President Hayes.	27	27	Amer.	Dollar Line	New York, N. Y.	Shanghai, China.	General	3,861
California	27	28	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	2,757
Pericles <sup>1</sup>	26	27	Nor.	Kawasaki K. Kaisha.	Donges, France	San Luis, Calif.	Ballast	
Trondanger <sup>2</sup>	26	27	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	General	75
Walter A. Luckenbach.	26	27	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	5,633
Johilla	27	27	Brit.	States Marine Corp.	Mobile, Ala.	Kobe, Japan	Scrap iron	7,029
J-26 <sup>5</sup>	28	31	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Phelps <sup>2</sup>	27	28	Amer.	U. S. Navy	Boston, Mass.	San Diego, Calif.		
Leme <sup>2</sup>	27	28	Ital.	Italia S. A.	Genoa, Italy	Vancouver, B. C.	General	470
D. G. Scofield <sup>1</sup>	27	28	Amer.	Standard Oil of Calif.	Baltimore, Md.	S. Francisco, Cal.	Ballast	
Antonio	27	28	Brit.	Mitsui & Co.	New Orleans, La.	Kamaishi, Jap.	Scrap steel	7,208
Oregonian	28	28	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Ore.	General	3,326
Bente Maersk <sup>1</sup>	28	28	Dan.	Isbrandtsen Moller.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
Manizales	21	28	Ger.	North German Lloyd.	Cristobal, C. Z.	B'ventura, Col.	Ballast	
Eknaren <sup>2</sup>	21	28	Swed.	General S. S. Corp.	Habana, Cuba.	Los Angeles, Cal.	Ballast	
Nordbo <sup>2</sup>	28	28	Dan.	East India Nav. Co.	Baltimore, Md.	Moji, Japan	Steel, ore	7,616
Ino <sup>2</sup>	27	28	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	92
West Notus	28	28	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Seattle, Wash.	General	6,683
Oakbank <sup>2</sup>	28	28	Brit.	Bank Line	Tampico, Mexico	Adelaide, Aust'lia	General	7,712
Dusseldorf <sup>2</sup>	28	29	Ger.	North German Lloyd.	Hamburg, Ger.	Valparaiso, Chile.	General	
Skagerak <sup>2</sup>	28	29	Nor.	Kawasaki K. Kaisha.	Portland, Me.	Yokohama, Japan	(17)	7,280
Santa Maria <sup>1</sup>	27	29	Amer.	Union Oil of Calif.	Cristobal, C. Z.	Los Angeles, Cal.	Ballast	
Pacific Pioneer <sup>2</sup>	28	29	Brit.	Furness, Withy & Co.	Glasgow, Scot.	Vancouver, B. C.	General	945
Martin Bakke <sup>2</sup>	28	29	Nor.	Knut Knudsen, O.A.S.	Belfast, Ireland	Vancouver, B. C.	Passengers	
Timber Rush	29	29	Amer.	Shepard S. S. Co.	Boston, Mass.	Tacoma, Wash.	General	4,683
Amerikaland <sup>2</sup>	29	29	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Istmo	29	29	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	250
Taira <sup>2</sup>	28	30	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Winnipeg	28	30	Fr.	French Line	Havre, France	Callao, Peru	General	3,856
Canadian Constructor.	30	31	Brit.	Mont.-Aust.-N.Z. Line	Montreal, Canada	Melbourne, Aust.	Paper	4,653
Alamar	30	30	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	8,003
Haughton Hall	29	30	Brit.	Isthmian S. S. Lines.	Baltimore, Md.	Shanghai, China.	Steel, tinplate	8,419
Oakland <sup>2</sup>	29	30	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B. C.	Steel, glass	6,453
City of Lyons	30	30	Brit.	Ellerman & Bucknall.	Montreal, Canada	Hongkong, China	General	8,202
Mayan	24	31	Amer.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	646
Cal	28	30	Ger.	North German Lloyd.	Cristobal, C. Z.	Guayaquil, Ecua.	General	591
Stigstad <sup>1</sup>	30	31	Nor.	A.F. Klavens & Co.	Hamburg, Ger.	Los Angeles, Cal.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Transport. <sup>6</sup> Destroyer. <sup>7</sup> Mine sweeper. <sup>8</sup> Sailboat. <sup>9</sup> Towing Barge No. 4. <sup>10</sup> For bananas and return to Cristobal. <sup>11</sup> Steel ingots, pulp.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Mount Hymettus.	29	31	Greek.	Continental Grain Co.	Wilmington, N.C.	Osaka, Japan	Scrap iron	7,960
Feodoras	30	31	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Acapulco, Salvador	Gen., cement	3,012
Colodan.	50	31	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General	3,045
El Aleto <sup>1 2</sup>	30	31	Amer.	C. T. Bowring & Co.	Aruba, N. W. I.	Balboa, C. Z.	Fuel oil	10,649
Point Lobos	31	31	Brit.	Gulf-Pacific Line	New Orleans, La.	S. Francisco, Cal.	General	6,600
Argual	31	31	Hond.	United Fruit Co.	Baltimore, Md.	Pto. Arm'les, R.P.	Ballast	
Garonne <sup>1 2</sup>	31	31	Nor.	Fearnley & Eger	Stockholm, Swed.	S. Francisco, Cal.	Ballast	
City of Athens	31	4	Brit.	Ellerman & Bucknall.	Three Riv., Can.	Kobe, Japan	( <sup>14</sup> )	7,083
Kwanto Maru <sup>2</sup>	31	31	Jap.	Osaka Shosen Kaisha	Boston, Mass.	Kobe, Japan	Gen., mach'y.	8,542
Californian <sup>2</sup>	31	31	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	3,063
Luna <sup>2</sup>	31	31	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Silveryew <sup>2</sup>	31	1	Brit.	S. & J. Thompson	Philadelphia, Pa.	Hongkong, China	General	3,777
Augvald	1	1	Nor.	Continental Grain Co.	Houston, Tex.	Yawata, Japan	Scrap iron	7,600
Miss C. B. <sup>2</sup>	31	1	Hond.	I. D. Hunter	Tampa, Fla.	Tumaco, Colom.	Machinery	41
City of Winchester	1	1	Brit.	Amer.-Australian Line	New York, N. Y.	Sydney, Australia	General	4,492
Frank <sup>3</sup>	1	1	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		
Sambu <sup>2</sup>	31	1	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona <sup>2</sup>	31	1	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	31	1	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
C. A. Canfield <sup>1</sup>	1	2	Amer.	Standard Oil of N. J.	Philadelphia, Pa.	Los Angeles, Cal.	Ballast	
Southern Sun <sup>1 2</sup>	1	2	Amer.	Sun Oil Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Canada <sup>2</sup>	1	3	Swed.	Johnson Line.	Goth burg, Swed.	S. Francisco, Cal.	Paper, gen.	4,729
Happy Days <sup>6</sup>	1	2	Amer.	Ira C. Copley	New York, N. Y.	Long Beach, Cal.	Ballast	
Baarn	1	3	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	2,782
Memphis City	2	2	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Hilo, T. H.	Steel, gen.	7,403
Santa Barbara <sup>2</sup>	2	3	Amer.	Grace Line.	New York, N. Y.	San Antonio, Chile	General	2,840
San Lucas	1	2	Amer.	States S. S. Co.	Hull, England	Seattle, Wash.	Autos, gen.	6,075
Loriga <sup>2</sup>	1	3	Brit.	Pacific Steam Nav. Co.	Norfolk, Va.	Talcahuano, Chile	General, coal	5,491
Port Nicholson	2	3	Brit.	Com Int & Dom. Line.	Sydney, N. S.	Sydney, Australia	General	5,300
Paul Luckenbach	3	3	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	6,312
Brimanger <sup>2</sup>	3	3	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	S. Francisco, Cal.	General	11
Awobosan Maru <sup>2</sup>	3	3	Jap.	Mitsui Bussan Kaisha.	Philadelphia, Pa.	Kobe, Japan	Steel, oil	6,611
Santa Rosa	3	4	Amer.	Grace Line	New York, N. Y.	S. Francisco, Cal.	General	3,338
Tapanoeli	3	3	Neth.	N. V. R. D. Lloyd	Baltimore, Md.	Moji, Japan	Iron ingots	8,000
Trois Ilets	3	3	Fr.	French Line.	Cristobal, C. Z.	B'ventura, Col.	General	77
Joan <sup>5</sup>	3	3	Amer.	Dan McAllister	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Remuera	3	4	Brit.	N. Z. Shipping Co.	London, England	Auckland, N. Z.	General	6,124
Dionysios Stathatos.	3	4	Greek.	D. D. Stathatos	Everglades, Fla.	Yokohama, Japan	Scrap iron	7,497
El Ciervo <sup>1</sup>	3	4	Brit.	C. T. Bowring & Co.	Smiths Bluff, Tex.	Guayaquil, Ecu.	Fuel oil	7,501
Clio <sup>2</sup>	2	4	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	251
Marna	3	4	Dan.	J. Lauritzen.	New York, N. Y.	Talcahuano, Chile	General	1,800
Stemmestad <sup>2</sup>	4	4	Nor.	Fern Line	Mobile, Ala.	Moji, Japan	General	7,085
Abraham Lincoln <sup>2</sup>	4	4	Nor.	Fred Olsen & Co.	Hull, England	Vancouver, B. C.	General	2,675
Wichita <sup>2</sup>	4	4	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Saigon, China	General	7,430
Havelland <sup>2</sup>	4	4	Ger.	Hamburg-Amer. Line.	Tampa, Fla.	Osaka, Japan	Phosphate	8,290
Winona	4	4	Amer.	Pac. Coast Dir. Line	Portsmouth, R. I.	Tacoma, Wash.	General	4,289
Iowan	4	4	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Ore.	General	4,156
Balboa <sup>2</sup>	3	4	Swed.	Johnson Line.	Kotka, Finland	Vancouver, B. C.	Paper, pulp.	4,534
San Diego	4	4	Fr.	French Line.	Antwerp, Belgium	S. Francisco, Cal.	General	6,260
Port Demison	4	5	Brit.	Port Line	Savannah, Ga.	Adelaide, Aust'lia	General	7,679
Edgar F. Luckenbach.	4	5	Amer.	Luckenbach Line	Houston, Tex.	Tacoma, Wash.	General	5,247
Calgarolite <sup>1 2</sup>	4	5	Brit.	Imperial Oil Co.	Halifax, N. S.	Talara, Peru	Ballast	
Knute Nelson <sup>2</sup>	4	5	Nor.	Isbrandtsen Moller.	Baltimore, Md.	Manila, P. I.	General	6,261
Sapporo Maru <sup>2</sup>	5	10	Jap.	Junshiro Inoue	Vera Cruz, Mex.	Manzanillo, Mex.	Ballast	
Sacramento Valley	5	5	Brit.	Mitsubishi Co.	Texas City, Tex.	Kobe, Japan	Scrap iron	7,655
Middlesex	5	5	Brit.	Federal Steam Nav. Co.	London, England	Bluff, N. Z.	General	6,490
Quarrington Court	5	5	Brit.	Isthmian S. S. Lines	Mobile, Ala.	Moji, Japan	Steel	9,040
Chateau Thierry <sup>8</sup>	4	5	Amer.	U. S. Army	New York, N. Y.	Balboa, C. Z.	General	1,057
Steel Scientist	5	5	Amer.	Isthmian S. S. Lines	Portland, Me.	Seattle, Wash.	Gen., steel	4,531
Gulpool	5	5	Brit.	Pool Shipping Co.	Norfolk, Va.	Brit. Columbia	Ballast	
Nuevo Panama <sup>2</sup>	29	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	260
Baru <sup>2</sup>	4	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	95
Taira <sup>2</sup>	4	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona <sup>2</sup>	4	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Orazio <sup>2</sup>	5	6	Ital.	Italia Soc. Line	Genoa, Italy.	Valparaiso, Chile.	General	1,075
Montana <sup>1</sup>	6	6	Nor.	Standard Oil of N. J.	Aruba, N. W. I.	San Antonio, Chile	Fuel oil	10,126
Salacia <sup>2</sup>	6	6	Brit.	Donaldson Bros.	Glasgow, Scotland	Vancouver, B. C.	General	653
Manizales	6	6	Ger.	North German Lloyd	Cristobal, C. Z.	Guayaquil, Ecu.	General	419
Point Vincente	6	6	Amer.	Swayne & Hoyt.	New Orleans, La.	S. Francisco, Cal.	( <sup>15</sup> )	5,745
Nagara Maru <sup>2</sup>	6	6	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Kobe, Japan	( <sup>16</sup> )	8,083
Roda <sup>2</sup>	6	6	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General	7,766
Barbara <sup>5</sup>	4	6	Amer.	J. F. Hatchett.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Winslow <sup>5</sup>	5	6	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tainui	6	7	Brit.	Shaw, Savill & Albion.	London, England	Hawkes Bay, N.Z.	General	4,135
Tonsbergfjord <sup>2</sup>	6	7	Nor.	Wessel, Duval & Co.	Pt. Alfred, Canada	Talcahuano, Chile	Newsprint	3,383
Roxen <sup>2</sup>	6	7	Swed.	Transatlantic Line.	Baltimore, Md.	Los Angeles, Cal.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Yacht. <sup>6</sup> Transport. <sup>7</sup> For bananas and return to Cristobal. <sup>8</sup> Paper, asbestos. <sup>9</sup> Sulphur, steel, general. <sup>10</sup> Lubricating oil, tin, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
San Bruno	7	7	Pan.	United Fruit Co.	Mobile, Ala.	Pto. Arm'les, R.P.	Ballast	
Knoxville City	7	7	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Yokohama, Japan	Steel	8,026
Santa Clara Valley <sup>2</sup>	7	7	Brit.	Sir W. R. Smith & Son	Mobile, Ala.	Osaka, Japan	Pig iron	8,088
Imperial Valley	7	7	Brit.	Mitsubishi Co.	Pensacola, Fla.	Yokohama, Japan	Scrap iron	7,665
Salvador	31	7	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	717
Bethore	7	7	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Virginian	7	7	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	3,777
Luna <sup>2</sup>	7	7	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Charles Christenson	7	8	Amer.	Sudden & Christenson	Baltimore, Md.	Seattle, Wash.	(16)	2,983
Washington Express <sup>2</sup>	8	8	Nor.	Fruit Express Line	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Tai Yin <sup>2</sup>	7	8	Nor.	Barber Line	Baltimore, Md.	Yokohama, Japan	General	5,586
Ino <sup>2</sup>	8	8	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	10
Canadian Conqueror	8	8	Brit.	Mont.-Aust.-N.Z. Line	Three Riv., Can.	Melbourne, Aust.	Newsprint	3,343
Hofuku Maru	8	8	Jap.	Kokusai Kisen Kaisha	Pt. Tampa, Fla.	Yokohama, Japan	Phosphate	7,898
Real <sup>2</sup>	7	8	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Enoch <sup>2</sup>	8	8	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>15</sup>		
Bagley No. 386 <sup>9</sup>	9	9	Amer.	U. S. Navy	U. S. port.	Balboa, C. Z.	Ballast	
Julia Luckenbach	8	9	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	Gen., paper	4,743
Ontariolite <sup>1 2</sup>	8	9	Brit.	Imperial Oil Co.	Montreal, Canada	Talara, Peru	Ballast	
Santore	9	9	Amer.	Ore S. S. Corp.	New York, N. Y.	Cruz Gr'de, Chile	Ballast	
Acavus <sup>1 2</sup>	9	9	Brit.	Shell Oil Co.	Montreal, Canada	Los Angeles, Cal.	Ballast	
Athelvingk <sup>1 2</sup>	10	10	Brit.	H. Drewry	Liverpool, Eng.	Los Angeles, Cal.	Ballast	
Pennsylvania	10	10	Amer.	Weyerhaeuser S.S. Co.	Norfolk, Va.	Seattle, Wash.	General	3,015
Pennsylvania	10	11	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	2,383
Queen Anne <sup>2</sup>	10	10	Brit.	Anglo-Can. S. S. Co.	Newcastle, Eng.	Vancouver, B. C.	Ballast	
Nitro <sup>13</sup>	9	9	Amer.	U. S. Navy	Norfolk, Va.	Puget Sd., Wash.	Navy stores	3,352
San Simeon	9	10	Amer.	Quaker Line	New York, N. Y.	Seattle, Wash.	Steel, gen.	3,277
Sussex <sup>2</sup>	10	11	Brit.	P.&O. Steam Nav. Co.	Liverpool, Eng.	Auckland, N. Z.	General	12,500
Baron Dummore	10	10	Brit.	H. Hogarth	Newp't News, Va.	Yokohama, Japan	Pig iron	6,003
Gloria Stella	10	10	Ital.	Fratelli Rizutto.	Naples, Italy	Callao, Peru	Airplanes	120
Vermar	10	10	Amer.	Calmar Line	Philadelphia, Pa.	Seattle, Wash.	Gen., steel	7,866

PACIFIC TO ATLANTIC

K. I. Luckenbach	11	11	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Gen., lumber	6,812
Kayeson	11	11	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Portsmouth, Eng.	Lumber	6,150
D. G. Scofield <sup>1</sup>	11	11	Amer.	Standard Oil of Calif	S. Francisco, Cal.	Providence, R. I.	(17)	10,860
Cucuta <sup>14</sup>	6	11	Colom.	Colombian Govt.	B'ventura, Col.	Cartagena, Col.		
Pennsylvania	11	11	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	General	5,936
Moldanger <sup>2</sup>	12	12	Nor.	Interocean S. S. Co.	Vancouver, B. C.	Hull, England	Grain, gen.	8,128
Unicoi <sup>2</sup>	11	12	Amer.	Roosevelt S. S. Co.	Whyalla, Aust'lia	New York, N. Y.	General	7,417
Charles Pratt <sup>1</sup>	12	13	Amer.	Standard Oil of N. J.	Talara, Peru	S'ampton, Eng.	Cruise oil	14,748
Komaki Maru <sup>2</sup>	12	12	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	New York, N. Y.	General	7,365
Marna	12	12	Dan.	J. Lauritzen	Corral, Chile	New York, N. Y.	Oats, ore	2,500
Winamac <sup>1</sup>	12	12	Brit.	Shell Oil Co.	Los Angeles, Cal.	Curacao, N. W. I.	Gas oil	12,508
Orville Harden <sup>1 2</sup>	12	12	Pan.	W. Tankerschiff Rhed'i.	Talara, Peru	Havre, France	Cruise oil	17,477
Fiscus	12	12	Brit.	Sugar Ref., Montreal	Townsville, Aust.	Montreal, Canada	Sugar	7,750
Sambu <sup>2</sup>	12	13	Pan.	Elliot Ship. & Land Co.	Panama, R. P.	Cristobal, C. Z.	Emptydrums	10
Adventure <sup>2</sup>	12	12	Amer.	C. V. Barlow	Balboa, C. Z.	Gamboa, C. Z.	Tow. launch	
P-10 <sup>15</sup>	12	12	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Rhakotis <sup>2</sup>	12	13	Ger.	Hamburg-Amer. Line	Corral, Chile	Hamburg, Ger.	General	7,746
Hazelside	12	13	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Devonport, Eng.	Lumber, gen.	5,863
Helen Whittier	12	13	Amer.	Matson Nav. Co.	Honolulu, T. H.	Baltimore, Md.	(18)	7,400
Flomar	12	13	Amer.	Calmar Line	Seattle, Wash.	Albany, N. Y.	Lumber	7,800
Nansenville <sup>2</sup>	13	14	Neth.	Fred Olsen Line	Vancouver, B. C.	Oslo, Norway	General	6,848
Ronda <sup>2</sup>	13	13	Nor.	Mitsui Bussan Kaisha	Penang, Malay P.	New York, N. Y.	General	7,544
Telde	13	13	Hond.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	679
Wales Maru	13	14	Jap.	Kawasaki K. Kaisha	Yokohama, Japan	Houston, Tex.	Sugar, gen.	5,625
Stensby <sup>2</sup>	13	14	Dan.	British Phos. Co.	Nauru Island.	Kotka, Finland	Phosphate	6,400
San Marcos	14	14	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,861
Baru <sup>2</sup>	14	15	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	68
Ino <sup>2</sup>	14	15	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	367
Cerigo	14	15	Ger	Hamburg-Amer. Line	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, cacao	1,164
Chateau Thierry <sup>3</sup>	13	14	Amer.	U. S. Army	Balboa, C. Z.	New York, N. Y.	Army stores	15
Pan Norway <sup>1 2</sup>	13	14	Nor.	Standard Oil of N. J.	Talara, Peru	Hamburg, Ger.	Gasoline	13,108
Luna <sup>2</sup>	14	14	Pan.	A. Tagaropoulos	Darien, R. P.	Cristobal, C. Z.	Plantains	12
Katrina Luckenbach	14	15	Amer.	Luckenbach Line	Los Angeles, Cal.	New Orleans, La.	(19)	5,521
Trois Ilets	15	16	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	211
Newton Elm	15	15	Brit.	Andrew Weir & Co.	Makatea Islands.	Linnharn, Swed.	Phos. rock	7,000
Point Salinas	15	15	Amer.	Swayne & Hoyt.	Portland, Oreg.	Tampa, Fla.	General	6,393

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Transport. <sup>6</sup> Destroyer. <sup>7</sup> Auxiliary. <sup>8</sup> Training ship. <sup>9</sup> For bananas and return to Cristobal. <sup>10</sup> Iron, steel, general. <sup>11</sup> Petrolastic asphalt. <sup>12</sup> Sugar, pineapples. <sup>13</sup> Lumber, sugar, general.



## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Taygetos	15	15	Greek.	Chile Nit. Sales Corp.	Iquique, Chile	Azores <sup>13</sup>	Nitrate	7,500
Liberator	15	15	Amer.	Lykes Bros.-Ripley Co.	Manila, P. I.	New Orleans, La.	(14)	9,498
Minnesota	15	16	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	6,339
Istmo	16	17	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	649
Nyhorn <sup>2</sup>	16	16	Nor.	Knutsen Line	N. Westm'er, B. C.	Belfast, Ireland.	(15)	6,397
Jane Christenson	16	16	Amer.	Arrow Line	So. Bend, Wash.	Baltimore, Md.	Lumber, gen.	7,580
Alaska	16	18	Fr.	French Line	Valparaiso, Chile.	Havre, France	General.	7,593
Laguna <sup>2</sup>	16	16	Brit.	Pacific Steam Nav. Co.	Talcahuano, Chile	Hull, England	General.	8,586
Parthenia	16	16	Brit.	Donaldson Bros.	Victoria, B. C.	Glasgow, Scotland	General.	6,093
Lagarto <sup>2</sup>	4	17	Brit.	Pacific Steam Nav. Co.	Valparaiso, Chile.	Liverpool, Eng.	General.	6,612
Lihue	16	16	Amer.	Matson Nav. Co.	Honolulu, T. H.	New York, N. Y.	(16)	6,435
Santa Rosa	16	17	Amer.	Grace Line	S. Francisco, Cal.	New York, N. Y.	General.	4,308
Barbara <sup>5</sup>			Amer.	J. L. Hatchett	Miraflores Lake	Gatun Lake		
Svend Foyn <sup>1</sup>	16	17	Brit.	Star Whaling Co.	Estero Bay, Calif.	Havre, France	Crude oil.	17,500
Brynje <sup>2</sup>	16	17	Nor.	Canadian Transp. Co.	Vancouver, B. C.	Grangem'th, Scot.	Lumber, gen.	5,965
Miralda <sup>1</sup>	16	17	Neth.	Anglo-Saxon Pet. Co.	S. Francisco, Cal.	Curacao, N. W. I.	Gasoline	11,661
Firnore	17	17	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	New York, N. Y.	Iron ore	11,850
San Francisco	17	19	Fr.	French Line	Vancouver, B. C.	Havre, France	General.	6,090
President Cleveland	17	17	Amer.	Dollar Line	Manila, P. I.	Boston, Mass.	General.	5,867
Acaytla	17	24	Brit.	Pacific Steam Nav. Co.	Champ'co, Guat.	Cristobal, C. Z.	Coffee, gen.	605
Egyptian Reefer <sup>2</sup>	17	17	Dan.	J. Lauritzen	S. Francisco, Cal.	Haifa, Palestine.	(17)	463
Real <sup>2</sup>	16	18	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	29
Sambu <sup>2</sup>	17	18	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
Sona <sup>2</sup>	17	18	Pan.	Elliot Ship. & Land Co.	Panama, R. P.	Cristobal, C. Z.	Empty drums	10
Camden <sup>1</sup>	17	18	Amer.	Shell Oil Co.	Los Angeles, Cal.	Sewaren, N. J.	Gasoline	8,534
Barneveld	18	18	Neth.	Royal Neth. S. S. Co.	Valparaiso, Chile.	Hamburg, Ger.	General.	8,467
Kohn	17	19	Ger.	North German Lloyd.	Corral, Chile	Bremen, Ger.	General.	9,744
Tatsuno Maru	17	18	Jap.	Nippon Yusen Kaisha	Shanghai, China.	Houston, Tex.	Sugar, gen.	8,536
Western Sun <sup>1</sup>	18	18	Amer.	Sun Oil Co.	El Segundo, Calif.	Marcus Hook, Pa.	Gasoline	13,162
Santa Barbara <sup>2</sup>	18	18	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General.	4,734
Harry Luckenbach	18	18	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Gen., lumber	8,000
Pacific President <sup>2</sup>	18	18	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Glasgow, Scotland	General.	8,616
Carolinian	18	18	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Bridgeport, Conn.	Gen., lumber	6,763
Planet	18	18	Ger.	Hamburg-Amer. Line.	Magallanes, Chile	Hamburg, Ger.	General.	8,505
Ludington <sup>8</sup>	17	20	Amer.	U. S. Army	Honolulu, T. H.	Brooklyn, N. Y.	Supplies	700
Juanita <sup>1</sup>	17	18	Venez.	Shell Oil Co.	Balboa, C. Z.	Curacao, N. W. I.	Ballast	
Leonn <sup>2</sup>	18	18	Pan.	A. Ferriari	Panama, R. P.	Cristobal, C. Z.	Cattle	25
Filleigh	18	18	Brit.	Atl. Ship. & Trad. Co.	Pt. Alberni, B. C.	Liverpool, Eng.	Lumber	7,250
El Oso <sup>1</sup>	18	19	Brit.	C. T. Bowring & Co.	Cabo Bl'co, Peru.	Ellesmere, Eng.	Bulk oil	10,193
Emergency Aid.	18	19	Amer.	McCormick S. S. Co.	Townsend, Wash.	Baltimore, Md.	Lum., paper	6,943
Mexican	19	19	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	9,649
Benruochan	19	19	Brit.	Anglo-Can. S. S. Co.	Pt. Alberni, B. C.	Grangem'th, Scot.	(18)	7,748
Wildwood	19	19	Amer.	Amer.-Foreign Corp.	Olympia, Wash.	New York, N. Y.	Lumber	6,764
Nijima Maru <sup>2</sup>	19	20	Jap.	Nippon Yusen Kaisha	Hongkong, China	New York, N. Y.	Raw silk, gen.	4,130
Arimasan Maru <sup>2</sup>	19	19	Jap.	Mitsui & Co.	Manila, P. I.	New York, N. Y.	General.	7,056
Dagfred <sup>2</sup>	19	19	Nor.	J. P. Pedersen & Son.	Victoria, P. I.	New Orleans, La.	Sugar	7,675
Besholt <sup>2</sup>	19	19	Nor.	Anglo-Can. S. S. Co.	Pt. Alberni, B. C.	Hull, England	Lumber	7,198
L-41 <sup>5</sup>	19		Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Bente Maersk <sup>1</sup>	19	20	Dan.	Isbrandtsen Moller.	Los Angeles, Cal.	Curacao, N. W. I.	Gas oil.	8,186
Wind Rush	19	20	Amer.	Shepard S. S. Co.	Seattle, Wash.	Albany, N. Y.	Lumber, gen.	7,195
Lautaro <sup>2</sup>	19	20	Brit.	Pacific Steam Nav. Co.	Corral, Chile	Hull, England	Gen., nitrate	8,689
Elin K. <sup>2</sup>	19	20	Nor.	Anglo-Can. S. S. Co.	Pt. Alberni, B. C.	London, England	Lumber	7,302
Stamatios G. Embiricos	20	20	Greek.	Anglo-Can. S. S. Co.	Vancouver, B. C.	London, England	Lumber	5,178
Michalakis	20	20	Greek.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>13</sup>	Nitrate	7,600
San Benito	20	20	Pan.	United Fruit Co.	Pto. Arm'les, R. P.	Mobile, Ala.	Bananas	800
Clio <sup>2</sup>	20	21	Neth.	Royal Neth. S. S. Co.	Guayaquil, Equa.	Cristobal, C. Z.	Coffee, gen.	520
Jefferson Myers	20	21	Amer.	Pacific-Atlantic Corp.	Portland, Oreg.	Philadelphia, Pa.	Gen., lumber	10,398
Nuevo Panama <sup>2</sup>	20	21	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	212
Teal <sup>4</sup>	20	20	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Retriever <sup>5</sup>	20	20	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Bethore	20	21	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,200
Anna Knudsen <sup>1</sup>	20	21	Nor.	H. P. Drewry	Cabo Bl'co, Peru.	Donges, France	Crude oil	13,991
Sandhamn <sup>2</sup>	20	21	Swed.	Canadian Transp. Co.	Pt. Alice, B. C.	London, England	(19)	7,175
Antietam <sup>1</sup>	21	21	Amer.	Shell Oil Co.	Wilmington, Cal.	Curacao, N. W. I.	Gas oil	10,087
Mount Othrys.	21	21	Greek.	Chile Nit. Sales Corp.	Iquique, Chile	Azores <sup>13</sup>	Nitrate	8,600
Manizales	21	28	Ger.	Hapag-Lloyd	Guayaquil, Equa.	Cristobal, C. Z.	(20)	1,109
Rangitiki <sup>2</sup>	21	21	Brit.	N. Z. Shipping Co.	Pt. Chalmers, N. Z.	London, England	Frozen, gen.	5,778
President Herrenschmidt <sup>1</sup>	21	22	Nor.	Pechelbron, Paris.	Talara, Peru.	Antwerp, Belgium	Crude oil	13,315
Luna <sup>2</sup>	21	21	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(21)	10
Montrolite <sup>1</sup>	22	22	Brit.	Imperial Oil Co.	Talara, Peru.	Montreal, Canada	Crude oil	15,626
Hamakua	21	22	Amer.	Matson Nav. Co.	Honolulu, T. H.	Baltimore, Md.	(22)	7,781
Elna	21	22	Eston	Nitrate Corp., London	Tocopilla, Chile.	Azores <sup>13</sup>	Nit. of soda.	4,695
Trois Ilets	22	24	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee.	211
Tokai Maru <sup>2</sup>	22	23	Jap.	Osaka Shosen Kaisha.	Hongkong, China	Baltimore, Md.	General.	4,668

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>8</sup> Transport. <sup>13</sup> For orders. <sup>14</sup> Sugar, copra, lumber. <sup>15</sup> Wheat, lumber, general. <sup>16</sup> Sugar, canned fruits. <sup>17</sup> Fresh fruits, general. <sup>18</sup> Lumber, splter, plywood. <sup>19</sup> Lumber, wood pulp. <sup>20</sup> Cocoa, tagua, coffee. <sup>21</sup> Plantains, lumber. <sup>22</sup> Sugar, canned pineapples.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Istmo	22	23	Pan.	Elliot Ship & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	660
Kimikawa Maru	22	23	Jap.	Kawasaki K. Kaisha	Dairen, China	New York, N. Y.	Silk, gen.	9,494
Grant	21	24	Amer.	U. S. Army	S. Francisco, Cal.	New York, N. Y.	Army stores	306
Maine	22	22	Amer.	Isthmian S. S. Lines	Honolulu, T. H.	Boston, Mass.	General	8,030
Marore	23	23	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,400
Hawaiian	22	23	Amer.	Amer-Hawaiian Line	Astoria, Oreg	Boston, Mass.	General	6,007
Orbita	22	23	Brit.	Pacific Steam Nav. Co.	San Antonio, Chile	Liverpool, Eng.	General	7,313
Steel Exporter	22	23	Amer.	Isthmian S. S. Lines	Seattle, Wash	Boston, Mass.	(15)	7,643
Pacific <sup>2</sup>	23	24	Swed.	Johnson Line	S. Francisco, Cal.	Stockholm, Swed.	Barley, gen.	5,220
Rialto	23	24	Ital.	Italia	Vancouver, B. C.	Trieste, Italy	General	5,309
Speybank	23	24	Brit.	Queensland Govt	Cairns, Aust'lia	Montreal, Canada	Raw sugar	8,295
Pennsylvania	23	24	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	6,948
Mayan	24	30	Amer.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	Coffee, gen.	993
Saarland	23	25	Ger.	Hamburg-Amer. Line	Talcahuano, Chile	Hamburg, Ger.	General	7,792
Silverbelle	23	24	Brit.	S. & J. Thompson	Vancouver, B. C.	Calcutta, India	General	6,142
Oregon Express	24	24	Nor.	Fruit Express Line	S. Francisco, Cal.	Glasgow, Scotland	Fruit	700
Arizona	24	25	Pan.	Laffargue Bros.	Talcahuano, Chile	Havre, France	General	7,757
Tai Yang	24	25	Nor.	Barber-Williamsen	J. Panganiban, P.I	New York, N. Y.	General	5,723
Mobile City	24	24	Amer.	Isthmian S. S. Lines	Honolulu, T. H.	Baltimore, Md.	(16)	8,201
Real	24	25	Pan.	Elliot Ship & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	26
Tuira	24	25	Pan.	Laffargue Bros.	Darien, R. P.	Cristobal, C. Z.	Bananas	45
Willmott	24	25	Amer.	Amer-Hawaiian Line	Seattle, Wash	Baltimore, Md.	Lumber, gen.	7,635
Point Caleta	25	25	Amer.	Gulf-Pacific Line	Los Angeles, Cal.	Panama City, Fla.	Lumber, gen.	6,961
Hegira	25	25	Amer.	Weyerhaeuser S.S.Co	S. Francisco, Cal.	Newark, N. J.	Lumber, gen.	10,500
Glasgow Maru	25	25	Jap.	Kokusai K. Kaisha	Bais, P. I.	Hatteras <sup>14</sup>	Sugar	8,063
Santa Lucia	25	26	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	4,027
Damsterdam	25	26	Neth.	Holland-Amer. Line	Victoria, B. C.	Rotterdam, Neth.	General	10,051
W. R. Keever	25	26	Amer.	Dutton Lumber Corp.	Portland, Oreg.	New York, N. Y.	Lumber	7,200
Flowergate	25	26	Brit.	Chile Nit. Sales Corp.	Antofagasta, Chile	Azores <sup>14</sup>	Nitrate	7,010
Chickasaw City	26	26	Amer.	Isthmian S. S. Lines	Seattle, Wash	Baltimore, Md.	Lumber, gen.	8,663
Forbes Hauptman	26	26	Amer.	McCormick S. S. Co.	Seattle, Wash	Philadelphia, Pa.	Lumber, gen.	7,952
Soley	26	26	Nor.	Canadian Gulf Line	Powell Riv., B. C.	Houston, Tex.	(17)	5,926
Trelawny	26	26	Brit.	Anglo-Can. S. S. Co.	Pt. Alberti, B. C.	London, England	Lum., spelter	7,760
La Paz	26	26	Brit.	Pacific Steam Nav. Co.	Callao, Peru	Liverpool, Eng.	(18)	8,511
Lena Luckenbach	26	26	Amer.	Luckenbach-Gulf Co.	Portland, Oreg.	Mobile, Ala.	Lumber, gen.	5,297
Eleonora Maersk <sup>1</sup>	26	27	Dan.	Shell Oil Co.	S. Francisco, Cal.	Curacao, N. W. I.	(19)	15,518
Osnabruck	26	28	Ger.	North German Lloyd	Corral, Chile	Bremen, Germany	General	6,082
Fresno Star	26	27	Brit.	Blue Star Line	Vancouver, B. C.	Liverpool, Eng.	Frozen, gen.	8,118
Texan	26	27	Amer.	Amer-Hawaiian Line	Seattle, Wash	Boston, Mass.	Lumber, gen.	10,807
Olney	26	27	Amer.	Penn. Shipping Co.	Los Angeles, Cal.	Fall River, Mass.	(20)	10,052
J. L. Luckenbach	27	27	Amer.	Luckenbach Line	Seattle, Wash	Boston, Mass.	Lumber, gen.	8,456
Santa Maria	27	29	Amer.	Union Oil of Calif.	Los Angeles, Cal.	Cristobal, C. Z.	Diesel oil	11,509
Virgilio	27	28	Ital.	Soc. Italia	Valparaiso, Chile	Genoa, Italy	General	3,332
Canadian Challenger	27	28	Brit.	Mont-Aust.-N.Z. Line	Auckland, N. Z.	Montreal, Canada	General	6,431
Ino	27	28	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(21)	479
Hopestar	27	27	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile	Azores <sup>14</sup>	Nitrate	9,060
Palo Seco	27	27	C. R.	United Fruit Co.	Puntarenas, C. R.	Cristobal, C. Z.	Ballast	
San Bruno	27	27	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	528
Berganger	27	27	Nor.	Intercean S. S. Co.	Vancouver, B. C.	Leith, Scotland	Grain, gen.	8,037
Lebore	28	28	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Amerika	28	28	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den.	Fruit, hum.	9,040
Elwood	27	28	Amer.	Shell Oil Co.	Los Angeles, Cal.	New York, N. Y.	Gasoline	9,579
Fulgur	27	28	Ital.	Socony Vac. Oil Co.	Talara, Peru	Aruba, N. W. I.	Gas oil	8,803
Cali	28	30	Ger.	North German Lloyd	Guayaquil, Ecu.	Cristobal, C. Z.	(22)	1,208
Istmo	28	29	Pan.	Elliot Ship & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	653
Hallaren	28	28	Swed.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Garston, England	Lumber	4,133
Tuira	28	29	Pan.	Laffargue Bros.	Darien, R. P.	Cristobal, C. Z.	Bananas	44
Luna	27	28	Pan.	A. Tagaropolos	Darien, R. P.	Colon, R. P.	Plantains	11
Stavros	28	29	Greek.	Chile Nit. Sales Corp.	Iquique, Chile	Azores <sup>14</sup>	Nitrate	8,500
Golden Cloud	28	29	Amer.	Matson Nav. Co.	Kahului, T. H.	Baltimore, Md.	(23)	7,445
Frida	29	29	Dan.	West Coast Line	Valparaiso, Chile	New York, N. Y.	Gen., nitrate	2,471
Nuevo Panama	29	5	Pan.	Elliot Ship & Land Co.	Panama, R. P.	Cristobal, C. Z.	Ballast	
Point Brava	29	29	Amer.	Swayne & Hoyt	Seattle, Wash	Tampa, Fla.	General	6,105
Luxor	29	29	Brit.	H. E. Moss & Co.	Los Angeles, Cal.	Hamburg, Ger.	Benzine	9,471
Tisnaren	29	29	Swed.	Transatlantic S. S. Co.	London, England	London, England	Copra, lead	8,797
San Rafael	30	30	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,364
Kate	30	30	Greek.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Hartlepool, Eng.	Lumber	6,119
Santa Paula	30	31	Amer.	Grace Line	S. Francisco, Cal.	New York, N. Y.	General	4,290
Steeleore	31	31	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,000
Wyoming	31	31	Fr.	French Line	Seattle, Wash	Rotterdam, Neth.	Lumber, gen.	8,253
Gannet	30	30	Amer.	U. S. Navy	San Diego, Calif.	Coco Solo, C. Z.		
Kentuckian	31	31	Amer.	Amer-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	6,164
Everett	31	31	Amer.	McCormick S. S. Co.	Seattle, Wash	Philadelphia, Pa.	Lumber, gen.	5,420
Salvador	31	7	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	(24)	3,383
John Bakke	31	31	Nor.	Knut Knutsen, O.A.S.	N. Westm'er, B. C.	Belfast, Ireland	Lumber, gen.	7,100
Akagi Maru	31	31	Jap.	Nippon Yusen Kaisha	Dairen, China	Hamburg, Ger.	General	6,399

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Transport. <sup>13</sup> Aviation tender. <sup>14</sup> For orders. <sup>15</sup> Lumber, wood pulp. <sup>16</sup> Canned pineapples. <sup>17</sup> Newsprint, shingles. <sup>18</sup> Sugar, sheepskins. <sup>19</sup> Kerosene distillate, gas oil. <sup>20</sup> Kerosene, solvent. <sup>21</sup> Coffee, skins, cacao. <sup>22</sup> Coffee, cocoa, general. <sup>23</sup> Raw sugar, pineapples. <sup>24</sup> Coffee, wood, hides.



## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Steel Worker	31	1	Amer.	Isthmian S. S. Lines	Hilo, T. H.	Baltimore, Md.	(14)	8,366
Sambu	31	1	Pan.	Elliot Ship. & Land Co.	Bayano, R. P.	Cristobal, C. Z.	Bananas	21
Sona	31	1	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	25
Real	31	1	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
Svithiod	31	1	Pan.	Standard Oil of N. J.	Talara, Peru	Aruba, N. W. I.	(15)	9,073
Indianan	1	1	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Baltimore, Md.	General	7,319
Annie Johnson	31	1	Swed.	Johnson Line	Vancouver, B. C.	Stockholm, Swed.	General	5,677
Tacoma	1	1	Ger.	Hamburg-Amer. Line.	N. Westm'er, B. C.	Hamburg, Ger.	Lumber, gen.	8,552
Dornoch	1	1	Brit.	Anglo-Can. S. S. Co.	Brit. Columbia	London, England.	Lumber, zinc	6,582
Lillian Luckenbach	1	1	Amer.	Luckenbach Line	Tacoma, Wash.	Boston, Mass.	Lumber, gen.	9,549
Gracia	1	1	Brit.	Donaldson Bros.	Vancouver, B. C.	Glasgow, Scot.	General	5,200
Adversus	30	2	Brit.	Canadian Govt.	Esquimalt, B. C.	Halifax, N. S.		
American	1	1	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,426
General Lee	1	1	Amer.	States S. S. Co.	S. Francisco, Cal.	Galveston, Tex.	Rice	2,613
City of Rayville	2	2	Amer.	Roosevelt S. S. Co.	Sydney, Aust'lia	Baltimore, Md.	General	6,875
Minerva	2	2	Nor.	Seaboard Ship. Co.	Pt. Alberti, B. C.	Philadelphia, Pa.	Lumber	8,256
Cedarbank	2	2	Brit.	Bank Line, Ltd.	Bowen, Australia.	Halifax, N. S.	Sugar	8,158
Trois Ilets	2	3	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	(16)	345
Manizales	2	6	Ger.	North German Lloyd.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	1,165
Arawa	2	3	Brit.	Shaw, Savill & Albion.	Wellington, N. Z.	London, England.	Frozen, gen.	6,183
Clio	2	4	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	559
Pacific Exporter	2	4	Brit.	Furness, Withy & Co.	Vancouver, B. C.	London, England.	General	6,597
Anniston City	2	3	Amer.	Isthmian S. S. Lines.	Honolulu, T. H.	New York, N. Y.	(17)	8,185
Babbitt No. 128	3	3	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Istmo	3	3	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	654
Scottish Minstrel	3	4	Brit.	Standard Oil of N. J.	Talara, Peru	Halifax, N. S.	Crude oil	9,700
Laurits Swenson	3	3	Nor.	Fred Olsen & Co.	Vancouver, B. C.	Oslo, Norway	General	6,103
Argual	3	3	Hond.	United Fruit Co.	Pto. Armes, R. P.	Mobile, Ala.	Bananas	790
Edwin Christenson	3	3	Amer.	Sudden & Christenson	Portland, Oreg.	Baltimore, Md.	Lumber	7,424
Trewellard	3	4	Brit.	Hain S. S. Co.	Mackay, Aust'lia	Montreal, Canada	Sugar	8,131
S-46	3	3	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
S-44	3	3	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
S-42	3	3	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Mallard	3	3	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Barbara	3	6	Amer.	J. F. Hatchett	Balboa, C. Z.	Cristobal, C. Z.		
General Pershing	3	4	Amer.	States S. S. Co.	Manila, P. I.	New York, N. Y.	(18)	2,000
Jacob Luckenbach	4	4	Amer.	Luckenbach Line	Portland, Oreg.	Mobile, Ala.	General	4,589
City of Delhi	4	4	Brit.	Ellerman & Bucknall.	Brisbane, Aust'lia.	Montreal, Canada	General	5,271
Kinai Maru	4	5	Jap.	Osaka Shosen Kaisha.	Iloilo, P. I.	Baltimore, Md.	General	6,428
Hallingdall	4	4	Nor.	Boe & Pedersen.	Bangkok, Siam.	La Guaira, Venez.	Rice	5,176
Tusaloos City	4	5	Amer.	Isthmian S. S. Lines.	Honolulu, T. H.	Baltimore, Md.	(19)	8,029
Baru	4	5	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	99
San Gabriel	4	4	Amer.	States S. S. Co.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,456
Auretta	4	4	Brit.	Andrew Weir & Co.	Suva, Fiji Islands	United Kingdom.	Raw sugar	8,315
Olympia Maru	4	4	Jap.	Mitsubishi Trad. Co.	Kobe, Japan.	Boston, Mass.	General	5,290
Luna	4	7	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(20)	9
Sona	4	5	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	33
Taira	4	5	Pan.	Julio Lafargue	Darien, R. P.	Cristobal, C. Z.	Bananas	58
Winslow	4	6	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow. barge.	
Norden	4	5	Dan.	Kawasaki K. Kaisha	Kobe, Japan.	New York, N. Y.	General	4,828
Liberty Glo	5	5	Amer.	Amer.-For. S. S. Corp.	Olympia, Wash.	New York, N. Y.	Lumber	6,750
Point Estero	5	5	Amer.	Swayne & Hoyt.	Portland, Oreg.	Panama City, Fla.	Gen., lumber	5,339
Limalite	4	4	Peru.	International Pet. Co.	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Asuka Maru	5	5	Jap.	Nippon Yusen Kaisha	Iloilo, P. I.	Boston, Mass.	(21)	9,580
Nebraskan	6	6	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	9,146
Percira	6	13	Pan.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General	424
Durazzo	6	8	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecua.	Cristobal, C. Z.	General	1,238
Red Wing	6	8	Amer.	D. C. Gray	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Virginia	6	7	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General	8,439
Chilore	7	7	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Niel Maersk	6	8	Dan.	A. P. Moller	Cebu, P. I.	New York, N. Y.	General	6,751
Santa Maria	7	7	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	4,305
Ino	7	8	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	385
Lieut. Col. H. C. Schumm	7	7	Pan.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Real	7	8	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	37
Clio	7	8	Pan.	Agwi Petroleum Corp.	Talara, Peru	S'ampton, Eng.	Crude oil	11,770
Oilreliance	7	8	Brit.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N. W. I.	Gas oil	8,698
Trois Ilets	8	13	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee, wax	272
Robert Luckenbach	8	9	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	9,065
Adula	9	9	Brit.	Asiatic Petroleum Co.	S. Francisco, Cal.	Curacao, N. W. I.	Gasoline	11,510
Montanan	9	9	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	7,150

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Tug. <sup>4</sup> Launch. <sup>5</sup> Submarine. <sup>6</sup> Destroyer. <sup>7</sup> Patrol vessel. <sup>8</sup> Sugar, canned pineapples. <sup>9</sup> Naphtha, kerosene. <sup>10</sup> Coffee, ivory nuts. <sup>11</sup> Sugar, pineapples, canex. <sup>12</sup> Sugar, rice, silk. <sup>13</sup> Canned pineapples. <sup>14</sup> Plantains, lumber. <sup>15</sup> Sugar, oil, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Marionga J. Goulandris.	9	9	Greek.	Cia. Gle de Dabacos Philipinas.	Iloilo, P. I.	East coast, U. S.	Sugar	8,708
Chateau Thierry <sup>8</sup>	5	10	Amer.	U. S. Army	Balboa, C. Z.	Brooklyn, N. Y.	Supplies	92
Integritas	9	9	Ital.	S. A. Nava Genuensis	San Antonio, Chile	Azores <sup>13</sup>	Copper, nit.	7,400
Dresden <sup>2</sup>	9	10	Ger.	North German Lloyd.	Corral, Chile	Bremen, Ger.	General	6,522
Korana	9	9	Y-Slav.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>13</sup>	Nitrate	7,950
Katsuragi Maru <sup>2</sup>	9	10	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	New York, N. Y.	Sugar, gen.	7,701
Portland <sup>2</sup>	10	10	Ger.	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	General	7,316
Calmar	9	10	Amer.	Calmar S. S. Corp.	Seattle, Wash.	Baltimore, Md.	Lum., copper	6,462
Pennington Court	9	10	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	Garston, England	Grain, lum.	8,279
Torvanger <sup>2</sup>	10	10	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>13</sup>	Nitrate	9,975
Laila	10	10	Dan.	West Coast Line.	Taleahuano, Chile	New York, N. Y.	Grain, nit.	2,560
San Bruno	10	10	Pan.	United Fruit Co.	Pto. Arm'les, R. P.	Mobile, Ala.	Bananas	612
Chesapeake <sup>1 2</sup>	10	10	Brit.	Anglo-Amer. Oil Co.	El Segundo, Cal.	Hamburg, Ger.	Gasoline	12,762
Nebraska	10	12	Brit.	Royal Mail Lines	Victoria, B. C.	Rotterdam, Neth.	General	8,121
Washington	10	10	Amer.	Weyerhaeuser S. S. Co.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	8,095
Texas Sun <sup>1 2</sup>	10	10	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	14,840

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>8</sup> Transport. <sup>13</sup> For orders.

**Comparison of Traffic at the Suez and Panama Canals for the First Seven Months of the Calendar Years 1936 and 1937**

The following is a comparison of traffic at the Suez and Panama canals for the first seven months of the calendar years 1936 and 1937:

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1936	1937	Increase	Decrease	1936	1937	Increase	Decrease
January	533	575	7.9		472	399		15.5
February	471	524	11.3		452	377		16.6
March	548	580	5.8		526	536	1.9	
April	490	621	26.7		452	473		1.9
May	484	567	17.2		488	544	11.5	
June	426	540	26.8		481	472		1.9
July	466	551	18.2		456	457	0.2	
Total	3,418	3,958	15.8		3,357	3,258		3.0

**Prices of Miscellaneous Supplies at Panama Canal Storehouses**

The following are prices, including the 20 percent surcharge, to individuals and companies, as of September 2, 1937:

Commodities	Unit	Price
Brass, bar, average	Lb.	\$0.23
Brass, sheet, average	Lb.	.26
Bronze, Tobin, average	Lb.	.22
Gasoline, motor grade	Gal.	1.05
Metal, yellow	Lb.	.26
Oakum, Navy, spun	Lb.	.20
Oakum, Navy, unspun	Lb.	.18
Oil, gun and ice machine	Gal.	.29
Oil, burning, Colza	Gal.	1.02
Oil, engine, gas, light, in drums, No. 2135	Gal.	.24
Oil, engine, gas, extra heavy, in cases, No. 2250	Gal.	.29
Oil, engine, gas, extra heavy, in drums, No. 2250	Gal.	.24
Oil, kerosene, in drums	Gal.	.10
Oil, marine engine	Gal.	.38
Paint, lead, white, dry	Lb.	.11
Paint, lead, white, in oil	Lb.	.12
Paint, zinc oxide, dry	Lb.	.08
Paint, zinc oxide, in oil	Lb.	.11
Grease, gear, chain and wire rope, lubricating	Lb.	.05
Grease, yellow, cup, No. 3, medium	Lb.	.06
Grease, yellow, cup, No. 5, hard	Lb.	.07
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.12
Waste, cotton, white	Lb.	.13

### Official Publications of Interest to Shipping

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of the Panama Canal and Adjacent Waters," and the current tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C.Z.; or, when more convenient, to The Panama Canal, Washington, D.C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa, a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

---

### Lubricating Oils

The following is a list of the different kinds of lubricating oil carried in stock at Panama Canal storehouses, and a brief description of each of the oils with a statement of the purpose for which it is generally used.

Requisitions and orders for oils placed with the storekeepers should state the name (including number, if any) of the oil desired exactly as given on the following list:

#### STATEMENT OF STANDARD LUBRICATING OILS AND THEIR USES.

##### OILS, FORCE FEED AND MOTOR CYLINDER.

*Medium, No. 2135.*—A medium oil for the lubrication of main turbines not driving through reduction gears, dynamos, and small internal combustion engines. Not to be used for steam cylinder lubrication.

*Heavy, No. 2190.*—A heavy oil that will separate quickly from water. For the lubrication of turbines with reduction gears, medium size internal combustion engines, and forced feed on main engines. A heavy bodied oil for use on auxiliary equipment.

*Extra heavy, No. 2250.*—An extra heavy oil for the lubrication of medium size internal combustion engines, power cylinders, air compressors, and bearings of Diesel engines.

*Ultra heavy, No. 2310.*—An ultra heavy oil for the lubrication of power cylinders, air compressors, and bearings of large Diesel engines.

*Tractor, heavy, No. 3100.*—A very heavy body oil for aircraft engines, high speed gasoline engines, motor trucks, motor boats, motorcycles, and Diesel engines S. A. E.-50.

*Diesel engine lubricating.*—For Diesel engines.

##### OILS, MISCELLANEOUS.

*Ammonia cylinder* (gun and ice machine grade No. 125).—A refined petroleum oil without the admixture of fatty oils, resins, soap, or other compounds not derived from petroleum. For the lubrication of the cylinders of ice machines, pneumatic tools, and hydraulic systems.

*Car and locomotive.*—A lubricant on journals of all cars, passenger coaches, steam and electric locomotives.

*Castor.*—Grade "A." Used for lubricating purposes of the highest grade.

*Cutrite, soluble cutting.*—A mixture of soluble alkali soap in mineral and fixed saponifiable oils. For use in turret lathes and bolt machines.

*Fish.*—Used as a rust preventive and for tempering.

*Lard.*—For use on pipe cutting and threading machines.

*Insulating.*—Switch (Electrical Division).

*Insulating.*—Transformer (Electrical Division).

*Lubricant* (gear, chain and wire rope).—For lubrication and protection of chains, wire rope, and gears of cranes, dredges, steam shovels, etc.

*Machine, odorless.*—For use on typewriters.

*Marine engine, No. 4065, compounded.*—A compound of mineral with vegetable oil for the lubrication of reciprocating engines and auxiliaries where oiling is done by hand or through wick feed or drop oilers, also for thrust bearings. Must not be used for circulating of forced feed systems.

*Mineral steam cylinder, No. 5150.*—For use on reciprocating steam engines using dry saturated steam. For noncondensing steam engine cylinder lubrication (valve oil).

*Mineral steam cylinder, superheated.*—For use on reciprocating steam engines using superheated steam.

*Neatsfoot.*—For softening and preserving leather.

*Solvent.*—Rust-preventing lubricant, for general use.

*Sperm.*—Used principally by U. S. Navy.

---

### Ships' Chandlery Supplies

Panama Canal Storehouses carry a complete line of ships' chandlery supplies available for sale to ships at stock price cost plus 20 percent surcharge which covers local freight, handling, and other costs.



### Tolls Charges for Transit of the Panama Canal

1. Merchant vessels carrying passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity as determined by the Panama Canal Rules of Measurement..... \$1.20
2. Vessels in ballast, without passengers or cargo, per net vessel ton (each 100 cubic feet) of actual earning capacity as determined by the Panama Canal Rules of Measurement..... .72
3. Naval vessels, other than transports, colliers, hospital ships, and supply ships, per displacement ton..... .50
4. Army and navy transports, colliers, hospital ships, and supply ships, the vessel to be measured by the same rules as are employed in determining the net tonnage of merchant vessels, per net ton..... 1.20
5. Tolls may not exceed the equivalent of \$1.25 per net registered ton as determined by United States rules of measurement, nor be less than the equivalent of \$0.75 per net registered ton so determined.
6. Vessels returning from Gatun Lake or original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.
7. Vessels transiting the Panama Canal from Cristobal to Balboa and return for the sole purpose of having repairs made at the Balboa drydock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling lines as provided for in the current tariff or supplements thereto.

---

### Coal

Coal, bunker, U. S. Navy Standard Pool No. 1, run-of-mine, Pocahontas, or New River, is supplied to steamships, including warships of all nations, trimmed in bunkers at the following prices, per ton of 2,240 pounds: Cristobal, first 250 tons, \$7.75 per ton; second 250 tons, \$7 per ton; balance over 500 tons, \$6.50 per ton. Balboa, first 250 tons, \$10.75 per ton; second 250 tons, \$10 per ton; balance over 500 tons, \$9.50 per ton.

Extra charges are made in accordance with a published tariff for special trimming at the request of the officers of the ship, for galley, lump, or run-of-mine coal in sacks, and for delivery, when coal is furnished from lighters or launches away from the coaling piers.

Coal can be bunkered by bunkering machines at any rate up to 1,500 tons per hour, regulated by the amount of necessary trimming.

Coal for cargo is sold under the same conditions and at prices quoted for sale of coal for bunkers.

---

### Current Net Prices on Fuel Oil and Diesel Oil

Bunker fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal. Prices will be furnished on application.

Bunker fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Fuel oil, \$1.25 per barrel at Cristobal and Balboa; Diesel oil, \$1.80 per barrel at Cristobal and Balboa.

---

### Facilities for Shipping

The Panama Canal is equipped with all the facilities for the fueling, supply, and repairs of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from ample stocks at both ends of the Canal. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as ice, meats (including native beef), fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes and tobacco, which are for sale to ships at reasonable prices. A modern laundry service is also available. Orders may be placed in advance by radio for prompt delivery on arrival at either terminal, or for delivery at the other terminal after transiting the Canal.

A 1,000-foot drydock, a smaller drydock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide means of making practically any kind of marine repairs.

Ample space exists at either terminal of the Canal for the berthing of vessels, as well as large, covered piers for the storage of cargo. These are modern structures: fireproof, rat proof, in splendid condition, well lighted and maintained in a clean and orderly condition.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal during the years of operation.

**Information from American Consuls**

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference. It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

**Location of Patients and Visiting Hours at Gorgas Hospital**

The following table shows the distribution of patients in the Gorgas Hospital buildings and the visiting hours for the various wards and sections:

Section and Ward.	Visiting Hours.
Section "A:"	} Wards: Tuesdays, Thursdays, and Saturdays, 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m. Sundays and holidays, 9.30 to 11.30 a. m.; 2.00 to 4.00 p. m. Private rooms: Same as Section "B."
Ward 2.....	
Ward 3.....	
Ward 4, Private rooms.....	
Section "B:"	} Daily, 9.30 to 11.00 a. m.; 2.00 to 4.30 p. m.; 6.30 to 8.00 p. m. No visitors permitted in nursery.
Ward 5, Male, private rooms, American boys.....	
Ward 6, Foreign, male and female, private rooms, American girls.....	
Ward 7, White females, private rooms.....	
Ward 8, Obstetrical department, white females.....	
Nursery.....	
Section "C:"	} Colored wards: Wednesdays, Fridays, Sundays, and holidays, 1.00 to 2.30 p. m. Visitors from Atlantic Side may remain until 3.00 p. m. Tuesdays, Thursdays, Saturdays, 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m. Sundays and holidays, 9.30 to 11.00 a. m.; 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m.
Ward 9, Colored, male.....	
Ward 10, White foreign, male.....	
Ward 11, Colored, male (surgical).....	
Ward 12, Colored, male (medical).....	
Ward 13, Colored, male, G. U.....	
Ward 14, White, male, G. U.....	
Section "D:"	} Tuesdays, Thursdays, Saturdays, 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m. Sundays and holidays, 9.30 to 11.00 a. m.; 2.30 to 4.30 p. m.; 6.30 to 7.30 p. m. Wednesdays, Fridays, Sundays, and holidays, 1.30 to 3.00 p. m. Daily, 9.30 to 11.00 a. m.; 2.00 to 4.30 p. m. Wednesdays, Fridays, Sundays and holidays, 1.00 to 2.30 p. m. Visitors from Atlantic Side may remain until 3.00 p. m. No visitors permitted except adults to visit tuberculosis patients, Thursdays, Sundays and holidays, 1.30 to 3.00 p. m.
Ward 15, American, male (surgical).....	
Ward 16, American, male (medical).....	
Ward 17, Colored children.....	
Ward 18, White children.....	
Ward 19, Colored, female (medical).....	
Ward 20, Colored, female, surgical, obstetrical.....	
Isolation section.....	

Permission to visit outside of visiting hours may be granted upon application to the Superintendent's office. Immediate relatives of seriously ill patients will be admitted at any time by and in the discretion of the attending physician, section nurse, and in her absence, the nurse in charge.

**Hours of Departure of Passenger Trains**

Following are the hours of departure of the regular passenger trains of the Panama Railroad running between the Atlantic and the Pacific sides:  
 From Colon: Daily, 7:25 a. m.; 11 a. m.; 4:55 p. m.; 10 p. m.  
 From Panama: Daily, 7:10 a. m.; 1:10 p. m.; 5 p. m.; 7:55 p. m.  
 The time required for passage from one terminal to the other is 1 hour and 25 minutes.

**Binders for The Panama Canal Record**

Cardboard covers, punched and fitted with brass fasteners forming binders for THE PANAMA CANAL RECORD are offered for sale at 25 cents a set, for the benefit of those who wish to keep a file of the issues for ready reference. Orders

may be addressed to The Panama Canal, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

**Trips Through the Canal**

The following lines operating passenger vessels through the Canal carry local passengers from one terminal to the other: Dollar Line, Grace Line, Hamburg-American Line, Johnson Line, Navigazione Generale Italiana, North German Lloyd, Pacific Steam Navigation Co., Panama Mail Steamship Co. The Panama Pacific Line carries such passengers from Balboa to Cristobal only. The Hamburg-American Line, North German Lloyd, Panama Mail Line, Dollar Line, Grace Line, and Johnson Line, charge \$6 for the trip, the others \$10 for first-class passage. The Panama Pacific Line has also a rate of \$6 for tourist class. The several services together afford about 4 transits of the Canal each way every week.



# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.



*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXI Balboa Heights, C. Z., October 15, 1937 No. 3

## Traffic Through the Panama Canal in September 1937

The total vessels of all kinds transiting the Panama Canal during the month of September 1937, and for the same month in the two preceding years, are shown in the following tabulation:

	September 1935	September 1936	September 1937		
			Atlantic to Pacific	Pacific to Atlantic	Total
Ocean-going commercial traffic.....	391	466	228	216	444
Small commercial vessels <sup>1</sup> .....	53	33	45	34	79
Noncommercial vessels:					
United States Government.....	24	17	17	11	28
Colombian Government.....	1	2	1		1
For repairs.....		1	2	3	5
<b>Total.....</b>	<b>469</b>	<b>519</b>	<b>293</b>	<b>264</b>	<b>557</b>

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC <sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month for the 12 months ended September 30, 1937, as compared with the same period in the previous year:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1935-6	1936-7	1935-6	1936-7	1935-6	1936-7	1935-6	1936-7
October...	441	482	2,357,640	2,499,678	2,228,536	2,463,069	\$1,964,076.81	\$2,081,758.23
November...	418	365	2,165,559	1,768,738	2,050,422	1,747,368	1,796,820.57	1,488,054.25
December...	459	341	2,382,602	1,655,501	2,187,731	1,538,503	1,997,206.74	1,366,388.55
January...	472	399	2,411,073	1,915,787	2,148,935	1,855,937	2,018,543.52	1,598,323.51
February...	452	377	2,322,013	1,940,611	2,155,031	1,839,788	1,952,682.73	1,602,306.30
March...	526	536	2,714,768	2,770,451	2,634,150	3,016,418	2,293,874.51	2,355,149.04
April.....	482	473	2,483,561	2,460,549	2,430,134	2,652,880	2,079,730.70	2,067,026.65
May.....	488	544	2,504,215	2,839,127	2,419,652	2,950,925	2,081,103.73	2,376,706.36
June.....	481	472	2,449,127	2,450,018	2,459,752	2,670,466	2,073,359.39	2,070,337.89
July.....	456	457	2,364,539	2,395,306	2,450,324	2,476,366	1,999,105.18	2,029,642.45
August.....	473	505	2,398,306	2,597,119	2,396,331	2,780,603	2,051,540.28	2,195,308.87
September...	466	444	2,428,317	2,312,725	2,526,366	2,385,142	2,045,440.82	1,935,673.78
<b>Total.....</b>	<b>5,614</b>	<b>5,398</b>	<b>28,981,720</b>	<b>27,605,610</b>	<b>28,087,364</b>	<b>28,377,465</b>	<b>24,353,484.98</b>	<b>23,166,675.94</b>

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## SMALL COMMERCIAL TRAFFIC

The following statement shows the number of small commercial vessels under 300 net tons measurement (Panama Canal net), which transited the Panama Canal during the month of September 1937. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	45	2,345	\$2,185.36	830
Pacific to Atlantic.....	34	1,724	1,903.22	1,912
<b>Total.....</b>	<b>79</b>	<b>4,069</b>	<b>4,088.58</b>	<b>2,742</b>

Traffic by Nationality of Vessels<sup>3</sup> for September 1937

Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo	Nationality	No. of ships	Panama Canal net tonnage	Tons of cargo
British	102	592,254	593,994	Netherlands	19	58,947	* 61,018
Danish	15	60,552	59,021	Norwegian	46	232,898	260,157
French	9	49,185	44,677	Panamanian	18	51,934	50,597
German	31	133,111	166,094	Swedish	10	49,465	73,024
Greek	4	17,806	33,104	United States	158	891,672	864,607
Honduran	4	6,820	1,615	Yugoslav	2	8,397	16,001
Italian	3	18,851	8,595				
Japanese	23	140,833	152,638	Total	444	2,312,725	2,385,142

<sup>3</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## Traffic by Trade Routes, September 1937

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table, the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo frequently is laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route.

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	52	311,015	191,764	56	322,654	422,644
East coast United States and:						
Canada	2	9,211		4	17,242	26,182
Central America	4	7,956		4	7,956	2,781
South America	17	78,967	24,897	13	53,367	121,311
Hawaiian Islands	3	15,458	11,653	8	41,078	60,490
Balboa				2	7,133	8,412
Australasia	8	50,015	52,921	2	10,511	14,249
Philippine Islands	9	60,432	48,171	16	97,666	116,314
Far East	32	170,085	244,483	7	39,494	38,471
Canadian intercoastal	1	4,382	8,300			
East coast Canada and:						
United States	1	5,994				
South America	3	16,431	3,383	3	17,054	33,924
Australasia	5	28,281	22,892	5	27,865	34,244
East coast Central America and:						
South America	1	4,069	7,353			
Australasia	1	4,345	7,301			
South American intercoastal	2	6,112	11,743			
East coast South America and:						
Far East	1	5,821	3,938	2	9,279	9,836
United States	1	4,962	4,301			
Canada	1	4,375	3,854			
Cristobal and:						
Central America	4	3,727	4,353	4	3,727	2,138
South America	11	6,273	3,225	13	8,012	9,997
West Indies and:						
United States	1	5,902		5	22,316	45,566
South America	1	5,099	10,126	2	11,533	22,408
Europe and:						
United States	12	60,863	19,470	8	40,419	61,578
Canada	19	113,941	46,962	22	126,750	169,136
Central America				2	6,225	5,892
South America	20	119,724	60,123	22	118,597	198,121
Australasia	11	92,572	74,539	9	67,376	55,320
Far East	1	6,382	7,850	1	4,125	5,687
Africa and Canada	1	5,409	8,768			
Egypt and South America				3	12,232	23,530
Asia and United States				1	2,023	853
Around the world	2	17,073	8,283	1	7,006	5,955
Foreign vessels in ballast (United States intercoastal)	1	4,486				
Vessels not engaged in commerce				1	1,093	
Total	228	1,229,962	890,103	216	1,082,763	1,495,039

**Origin and Destination of Cargo by Major Areas, September 1937**

The following table summarizes the origin of cargo passing through the Canal in September 1937, and its destination by major geographical trade areas:

ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States.....	200,108	12,515	289,447	24,427	38,533	565,030
Other North America.....	5,021	10,078	697	29,902	44,591	90,289
Europe.....	46,566	17,435	7,330	54,136	74,270	199,737
Miscellaneous.....	8,388	10,843	3,938	11,619	259	35,047
Total.....	260,083	50,871	301,412	120,084	157,653	890,103

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	417,564	56,020	129,326	3,748	606,658
Canada.....	23,851	1,443	98,911	1,874	126,079
Other North America.....	19,981	14,924	6,133		81,150
South America.....	118,091	71,094	196,576	23,530	409,291
Australasia.....	16,091	32,417	55,305		103,813
Asia.....	148,672	3,718	5,687	9,941	168,018
Total.....	796,698	167,310	491,938	39,093	1,495,039

**Principal Commodities**

Commodities which aggregated 10,000 or more tons either during September 1937, or in September 1936, are listed below:

Commodity	September		Commodity	September	
	1936	1937		1936	1937
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic</i>		
Ammonium compounds.....	4,819	12,011	Asphalt and tar.....	11,133	11,487
Asphalt and tar.....	21,101	25,640	Barley.....	41,284	19,906
Automobiles and parts.....	19,450	25,816	Beans.....	8,965	16,914
Canned goods, various.....	19,981	14,924	Canned goods.....	188,694	159,640
Cement.....	21,673	20,929	Coffee.....	11,793	10,486
Chemicals.....	11,439	9,375	Cold storage (food products) <sup>4</sup> .....	25,620	18,442
Coal and coke.....	22,367	16,961	Cotton, raw.....	11,912	10,896
Corn.....	3,006	11,828	Flour.....	26,838	23,877
Cotton, raw.....	24,594	9,977	Fruit, dried.....	38,523	24,714
Iron and steel.....	154,530	194,541	Fruit, fresh <sup>5</sup> .....	19,153	13,379
Machinery.....	14,830	13,682	Lumber.....	237,882	245,929
Manufactured goods.....	6,147	12,461	Metals, various.....	64,286	52,423
Metals, various.....	14,185	77,298	Nitrates.....	72,454	90,077
Oils, mineral.....	52,942	61,567	Oils, mineral.....	342,035	261,212
Ores, various.....	10,096	4,771	Oils, vegetable.....	9,657	15,284
Paper.....	43,608	50,750	Ores, various.....	152,698	134,281
Phosphates.....	38,008	32,461	Paper.....	10,740	13,542
Sand.....	13,204	7,518	Rice.....	4,888	12,453
Scrap metal.....	108,253	60,331	Rubber.....	8,829	12,220
Slag.....		14,522	Sugar.....	130,830	160,347
Sulphur.....	13,583	19,223	Wheat.....	104,032	16,823
Tinplate.....	13,358	16,807	Wood pulp.....	20,135	27,568
Wood pulp.....	7,078	10,729			

<sup>4</sup> Except fresh fruit. <sup>5</sup> Except bananas.

**Commodities in Detail**

The following statement lists all commodities passing through the Canal during the month of September 1937, as reported in the cargo declarations showing the movement by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo;"

the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts.....			221	
Agricultural implements.....	1,276	103	6,938	957
Alfalfa meal.....		519		519
Ammonium compounds.....	78		12,011	
Animal foods <sup>6</sup> .....	12	85	12	85
Apparel, wearing (hats, shoes, clothing, etc.).....	121	12	128	20
Asbestos.....	427	354	1,478	400
Asphalt and tar.....	262	11,068	25,640	11,487
Automobiles (and autotrucks).....	1,276	79	20,091	84
Automobile parts and accessories.....	680	85	5,725	89
Bags and bagging, textile.....	139	66	485	166
Bamboo and products.....		4		342
Bananas.....				4,252
Barks, miscellaneous.....	12	26	187	366
Barley.....		21		19,906
Beans, edible, dry.....	82	4,461	109	16,914
Beer.....			90	
Beverages, nonalcoholic.....	23		23	
Blood and tankage.....			48	
Bones and bone meal.....			1,172	333
Books and printed matter.....	74	63	139	63
Borax.....	25	348	49	9,046
Bran and pollards.....		41		1,652
Bricks and tile.....	385	28	1,214	28
Campbor, crude.....				56
Canned and preserved goods:				
Fish.....	202	14,998	446	27,059
Fruit.....	869	41,650	935	106,250
Meat.....	51	385	1,562	955
Milk.....	68	127	307	402
Soup.....	7,240		7,303	
Vegetables.....	2,232	10,587	2,301	10,812
Miscellaneous and unclassified.....	1,152	11,147	2,070	14,162
Carbon black.....	44		1,024	
Celite.....		1,212		1,212
Cement.....	640		20,929	
Chalk.....			1,128	
Charcoal.....	83		83	
Chemicals <sup>6</sup> .....	2,977	4,905	9,375	5,754
Clay, china and fire.....	897	20	1,162	20
Clay, filtering.....	500	28	500	28
Coal.....	2,309		4,355	
Cocoa and cacao beans.....	267		701	1,346
Coconuts and products <sup>6</sup> .....	111	551	388	1,459
Coffee.....	33		5,140	10,486
Coke.....			12,576	
Cold storage and refrigerated products:				
Dairy products.....	151		342	6,536
Eggs.....			3	483
Fish.....	29		128	361
Lard.....	431		710	36
Meats.....	67		300	10,378
Poultry.....	146	217	146	217
Vegetables.....		279	20	286
Other and unclassified.....		145	75	145
Confectionery.....	440		457	
Copra.....		74	52	9,449
Copra meal and cake.....				540
Corn.....			11,828	
Cotton, raw.....	100	271	9,977	10,896
Creosote.....			55	
Drugs and medicines.....	1,715	3	2,233	3
Dyes.....			437	
Earthenware.....			148	
Eggs, dried.....				18
Electrical apparatus and appliances.....	1,010	223	1,970	397
Enamelware and metalware.....	248	4	399	253
Explosives.....			706	30
Extract, quebracho.....			1,210	
Fertilizers <sup>6</sup> .....			3,120	241
Fish meal.....		252	61	8,272
Floor coverings.....	1,882	1,234	2,238	2,544
Flour.....	331	20,661	751	23,877
Fruit, dried.....	167	12,973	196	24,714
Fruit, fresh <sup>6</sup> .....		7,490	98	13,379
Furniture and household goods.....	226	62	493	65
Gallnuts.....				80

<sup>6</sup> Except as otherwise classified.



Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
General	20,815	3,626	48,587	11,775
Glass and glassware	2,077	411	5,311	1,294
Glue	28	34	28	34
Grains <sup>6</sup>			5	50
Groceries	1,223	446	1,359	1,413
Gums	5	90	11	265
Hair, all kinds	67	59	69	226
Hay		151	29	157
Hemp, unmanufactured	94		119	1,773
Honey		216		651
Infusorial earth		614	60	925
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	74,674	1,038	194,541	1,918
Ivory nuts	21		563	2,501
Jute, unmanufactured	50		385	
Lard substitute	107		139	44
Liquors	3,021	325	4,939	346
Lumber (including manufactured mill products)	1,817	137,269	3,422	245,929
Machinery	2,178	881	13,682	1,192
Malt			592	81
Manufactured goods <sup>6</sup>	5,777	432	12,461	2,729
Marble and granite	54		308	
Matches	85	121	153	121
Metals:			50	
Antimony				
Copper	79	2,388	1,616	35,895
Gold and silver			1	18
Iron	2,205		70,025	65
Lead	27	2,066	2,335	10,436
Tin	25	34	948	1,230
Zinc	40		1,056	4,179
Other and unclassified	262		1,267	600
Milk, powdered	28	1,071	58	1,181
Molasses and syrups	269		401	8,000
Nitrate	5,850		7,086	90,077
Nuts, edible (including meats)		92	77	1,134
Oats	152	4	190	2,675
Oils, mineral:				
Crude	31	465	35	71,378
Gas and fuel	38		36,715	41,467
Gasoline, benzine, and naphtha		64,558	3,502	126,822
Kerosene				21,192
Lubricating and greases	5,440	102	21,287	353
Other and unclassified	28		28	
Oils, vegetable:				
Coconut			17	9,866
Cottonseed			67	8
Linsced	138		864	
Olive	123		220	
Rapeseed			10	476
Teaseed				19
Wood	26		49	3,202
Other and unclassified	266	181	673	1,732
Oil, fish	14		36	134
Oil, whale		718	20	779
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)	152		726	247
Oilseed cake and meal				6,661
Ores:				1,825
Antimony				2,000
Chrome				4,499
Copper		836		744
Gold and silver			3,200	97,103
Iron	176		369	2,726
Lead				3,018
Magnesite		2,538		3,384
Manganese				3,992
Tin	40		70	13,153
Zinc	45		161	1,837
Other and unclassified	18	16	971	126
Paints and varnishes	917	82	2,874	13,542
Paper and paper products <sup>6</sup>	12,099	6,781	50,750	38
Peanuts	249		249	836
Peas, dry		599		
Peatmoss			1,684	
Phosphates	1,193		32,461	
Porcelainware	248	136	852	5,588
Potash	93	2,873	6,561	2,873
Pyrethrum flowers				242
Rags and waste	231	136	457	1,181
Railroad material	40		472	

<sup>6</sup> Except as otherwise classified.



Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Rice	39		541	12,483
Rope and twine	73	46	231	165
Rosin	1,266	10	3,015	10
Rubber:				
Manufactured	515	539	1,053	1,167
Raw			79	10,952
Scrap		29		101
Salt	96	314	7,075	332
Sand			7,518	800
Scrap metal	296	206	60,331	737
Seeds (except oilseeds)		433	377	1,276
Shells, oyster	135		489	58
Silk, raw		303	174	3,645
Skins and hides	27	1,014	481	5,291
Slag	750		14,522	
State	995		1,195	
Soaps and products	1,447	41	1,736	87
Soda and sodium compounds:				
Soda ash	299		821	341
Soda, caustic	232		1,455	
Miscellaneous and unclassified	479		1,198	63
Soy beans	632		712	37
Sugar	146	9,866	493	160,347
Sulphur	13,423		19,223	746
Talc	27		27	5
Tallow	60	452	116	1,615
Tea			70	1,297
Textiles <sup>7</sup>	3,218	3	8,990	7,548
Tinplate	325	45	16,807	45
Tobacco and manufactures	351	1	3,163	246
Toilet preparations	328		363	214
Turpentine	112		616	
Vegetables, dry <sup>6</sup>			263	158
Wallboard	208	100	230	1,573
Wax, paraffin	37		1,100	3
Wheat		2,426	196	16,823
Wines	231	1,081	686	2,083
Wood pulp	28	20,303	10,729	27,568
Wool	208	2,102	209	5,355
Total, September 1937	200,108	417,564	890,103	1,495,039
Total, September 1936	272,244	450,009	834,741	1,691,625
Total, September 1935	166,183	486,034	581,334	1,413,153

<sup>6</sup> Except as otherwise classified. <sup>7</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows the tanker traffic through the Canal during the month of September 1937, according to trade routes:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	5	28,608		7	41,770	<sup>8</sup> 75,601
East coast United States and:						
South America	1	4,172	7,501			
Hawaiian Islands				1	4,412	<sup>9</sup> 7,321
East coast Canada and:						
United States	1	5,994				
South America	2	12,995		3	17,054	33,924
East coast Central America and South America	1	4,069	7,353			
South American intercoastal	1	5,071	10,804			
West Indies and:						
United States	1	5,902		5	22,316	45,566
South America	1	5,099	10,126	2	11,533	22,408
Europe and:						
United States	3	18,562		3	16,592	32,338
South America	5	34,905		5	30,070	61,564
Total	21	125,377	35,784	26	143,747	278,722

<sup>8</sup> Includes 11,043 tons of petrolastic asphalt. <sup>9</sup> Molasses.

### Comparison of Canal Traffic in September 1937, with September Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of September			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1914.....	53	(000 omitted) 10 217	(000 omitted) 323	1915.....	11 100	(000 omitted) 361	(000 omitted) 466
1915.....	98	349	464	1916.....	60	199	258
1916.....	149	503	644	1917.....	145	483	588
1917.....	174	570	723	1918.....	165	547	627
1918.....	173	522	547	1919.....	162	510	576
1919.....	168	586	638	1920.....	199	712	781
1920.....	247	1,007	1,009	1921.....	232	950	966
1921.....	216	924	754	1922.....	222	951	907
1922.....	238	1,070	1,138	1923.....	325	1,550	1,631
1923.....	409	2,044	2,168	1924.....	429	2,179	2,249
1924.....	391	1,975	2,112	1925.....	382	1,904	1,996
1925.....	380	1,830	1,891	1926.....	424	2,064	2,169
1926.....	431	2,185	2,238	1927.....	441	2,184	2,311
1927.....	524	2,531	2,396	1928.....	521	2,453	2,468
1928.....	482	2,294	2,312	1929.....	521	2,485	2,554
1929.....	502	2,423	2,431	1930.....	502	2,497	2,502
1930.....	446	2,312	2,058	1931.....	447	2,314	2,089
1931.....	385	2,069	1,753	1932.....	364	1,968	1,650
1932.....	338	1,867	1,345	1933.....	347	1,900	1,513
1933.....	355	2,095	1,795	1934.....	436	2,379	2,059
1934.....	435	2,332	2,142	1935.....	432	2,317	2,109
1935.....	391	2,095	1,994	1936.....	449	2,335	2,209
1936.....	466	2,428	2,526	1937.....	470	2,421	2,531
1937.....	444	2,313	2,385	(12).....	467	2,409	2,514

<sup>10</sup> Canal opened August 15, 1914.

<sup>11</sup> Average for 10½ months.

<sup>12</sup> Average 9 months of calendar year 1937.

#### Terminal Activities

Ships repaired during the month of September 1937, numbered 47; of this number 5 were drydocked. Fuel oil in the quantity of 234,043 barrels was delivered as bunkers to 121 commercial ships. Bunker coal amounting to 10,820 tons was delivered to 29 commercial ships. Sales of commissary supplies to ships aggregated \$48,492.84.

#### Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving.....	18,923	10,914	29,837
Local cargo shipped.....	2,941	2,105	5,046
Cargo received for transshipment.....	45,023	796	45,819
Cargo transshipped.....	42,925	743	43,673
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	9	1	10
Number of releases issued.....	31	10	41
Tons received.....	37	1	38
Tons withdrawn.....	45	14	59

#### All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal.....	515	3,077,156	1,817,185	485	2,813,500	1,672,448
Vessels entering port but not transiting Canal.....	59	303,681	172,638	11	41,122	24,113
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	134	860,785	499,625	101	675,808	390,623
<i>Ships clearing</i>						
All vessels, including those transiting Canal.....	514	3,052,570	1,800,805	487	2,810,477	1,670,067
Vessels clearing port but not transiting Canal.....	60	299,500	170,389	11	41,011	24,017
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	133	847,540	491,256	101	665,041	383,752

### Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight, September 10, 1937, to midnight, October 10, 1937. Figures after names of vessels show, respectively, tons discharged and tons laden:

#### CRISTOBAL

Istmo, 0, 315	Santa Lucia, 215, 11	Tia Juana, 2,927, 878	Santa Rosa, 197, 27	Wisconsin, 203, 183
Curaca, 100, 0	Marore, 9,843, 0	Director, 236, 0	Santa Barbara, 346, 16	Santa Rita, 214, 0
Haiti, 45, 1,191	Cristobal, 3,245, 695	Vancouver, 71, 229	Salvador, 451, 739	Veragua, 38, 180
Tolea, 549, 286	Santa Paula, 49, 257	Rhein, 17, 774	Cefalu, 286, 356	Newsome, 3, 643
Nuevo Panama, 234, 102	Quirigua, 30, 4	Taronga, 835, 11	Venezuela, 63, 5	Dusseldorf, 91, 170
Guayaquil, 0, 492	Canada, 10, 0	Ruth Lykes, 627, 959	Nuernberg, 131, 325	Nansenville, 20, 131
Samuel Bakke, 410, 421	Axel Johnson, 59, 155	Limon, 164, 0	Oprespa, 70, 1,336	Contessa, 219, 191
Cerigo, 1,277, 210	Abangarez, 391, 451	Santa Maria, 180, 24	Flandre, 78, 800	Periera, 411, 860
Pereira, 0, 1,334	Karnak, 279, 0	Delftdijk, 62, 106	Ancon, 3,311, 941	Buenos Aires Maru, 0, 315
Trois Ilets, 0, 83	Weser, 353, 100	Noto Maru, 885, 1	Jefferson Myers, 569, 0	Santa Clara, 170, 5
Colombia, 115, 24	Clio, 564, 157	Arica, 203, 735	Olancho, 318, 0	Lobos, 2, 182
Margaret Johnson, 105, 295	Mantilla, 4,190, 0	Buenaventura, 1,388, 550	Bodegraven, 72, 455	Anna Maersk, 743, 14
Ino, 413, 71	Invercorrie, 983, 0	Peten, 29, 12	Kano Maru, 344, 0	Rhokotis, 114, 342
Oregon, 84, 147	Cali, 1,333, 0	Trois Ilets, 390, 0	Poseidon, 454, 0	Guayaquil, 1,976, 460
Cuba, 98, 930	Chipana, 63, 15	Ino, 311, 397	Pacific Exporter, 0, 63	Quirigua, 106, 9
Chincha, 24, 175	Phoenicia, 0, 375	Metapan, 495, 395	Flandre, 0, 700	Comayagua, 288, 0
Veragua, 16, 204½	Colombia, 0, 1,565	Lochkatrine, 135, 234	Ancon, 0, 941	Tivives, 567, 184
Orduna, 24, 15 pkgs.	Calamares, 345, 306	Manizales, 1,254, 680	Salvador, 0, 739	Lochgoil, 129, 189
Frank, 10, 0	Durazzo, 0, 216	West Ira, 64, 20	Veragua, 40, 68	Fella, 332, 53
Santa Elena, 250, 54	Pastores, 169, 620	San Jose, 121, 54	Allister, 319, 52	Costa Rica, 79, 39
Drechtijk, 195, 170	Feodosia, 89, 0	Ulua, 650, 203	Siraola, 382, 445	Dinteldijk, 230, 70
Santa Inez, 288, 15	Caribia, 123, 34	Colombia, 136, 1,059	Santa Elena, 7, 146	Ino, 587, 171
Orestes, 71, 494	Muenchen, 61, 128	Nuevo Panama, 0, 76	Santa Elena, 441, 262	Erria, 9, 0
Cefalu, 342, 481	Istmo, 756, 213	Istmo, 503, 277	Trois Ilets, 350, 56	Pastores, 209, 902
Alabama, 298, 0	Quirigua, 72, 274	Margaret Lykes, 733, 174	Chisome, 200, 362	Calamares, 499, 345
Sesostris, 0, 1,009	Kwansai Maru, 832, 15½	Loreto, 324, 0	Cali, 0, 348	Nuevo, 234, 256
Acajutla, 945, 963	Kiyokawa Maru, 1,150, 21	Caribia, 30, 1,511	Elbe, 179, 618	Cerigo, 0, 232
President Taft, 208, 0	Pasajero, 21, 24	Amasis, 108, 72	Tolea, 612, 118	Durazzo, 1,292, 112
San Antonio, 12, 11	Santa Clara, 461, 71	Peten, 17, 332	Haiti, 140, 833	Port Darwin, 31, 0
Zacapa, 209, 0	Lysefjord, 3½, 804	Ville de Strasbourg, 0, 11	Planter, 307, 49	Benjamin Franklin, 5, 189
Schwaben, 406, 779	Contessa, 456, 267	Brasil, 187, 165	Orazio, 5, 162	Buenos Aires, 0, 111
Marchen Maersk, 647, 101	R. L. Hustler, 1, 0	Fernwood, 1, 0	Nankai Maru, 746, 79	Washington, 146, 212
San Vincente, 191, 6	Mayan, 364, 1,336	Seattle, 386, 282	Clio, 477, 218	
	San Marcos, 319, 38	Erlangen, 177, 46	Venezuela, 0, 673	
			Cerigo, 1,199, 305	
			Istmo, 752, 145	

#### BALBOA

Pennsylvania, 0, 65	Orestes, 183, 244	Taronga, 288, 0	Chisone, 237, 0	Anna Maersk, 236, 0
Santa Rita, 67, 9	Cuzco, 3, 0	Santa Maria, 84, 13	Bodegraven, 283, 0	Rakuyo Maru, 17, 0
President Monroe, 10, 10	Kekoskee, 7,326, 0	Kanawa, 7,709, 0	Ludington, 62, 52	Santa Clara, 95, 15
Samuel Bakke, 527, 0	Santa Lucia, 113, 0	President Adams, 2, 0	Republic, 250, 9	Santa Maria, 11,910, 0
Talamanca, 368, 15	Santa Paula, 10, 102	Virginia, 0, 125	Santa Inez, 3, 0	Belita, 9,422, 0
Santa Elena, 129, 1	Grant, 6, 7	Chiriqui, 441, 48	Santa Elena, 129, 0	California, 0, 137
Santa Inez, 1, 0	Weser, 1,110, 152	Santa Rosa, 75, 4	Chateau Thierry, 373, 27	Pres. Harrison, 11, 0
Acajutla, 1, 0	Chipana, 80, 0	Salvador, 2, 0	Duesseldorf, 135, 0	Antigua, 257, 3
Schwaben, 373, 0	Antigua, 312, 6	Santa Barbara, 0, 10	Santa Rita, 50, 1	
	Santa Clara, 23, 1	Mayan, 0, 91		

NOTE.—Figures shown resresent short tons of 2,000 pounds.

### Passengers

Ocean-ship passengers disembarking at Cristobal numbered 2,737; embarking 2,305; at Balboa, 1,256 disembarking and 1,229 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 5,983, from the Pacific to the Atlantic, 3,264. Aircraft numbering 57 entered Cristobal, and 196 passengers disembarked; clearances were 56, with 206 passengers embarking; at Balboa entries of aircraft were 62, with 115 passengers disembarking; clearances, 62, with 99 passengers embarking.

### Provisions Required by Ships

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at reasonable prices. Beef especially is available at low prices.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit.

**Movements of Ocean Vessels Through the Panama Canal**  
**From midnight September 10, 1937, to midnight October 10, 1937**

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons <sup>1</sup>
President Monroe	11	11	Amer.	Dollar Line	Boston, Mass.	S. Francisco, Cal.		( <sup>14</sup> ) 4,343
Santa Rita <sup>2</sup>	10	11	Amer.	Grace Line	New York, N. Y.	Autof'gasta, Chile	General	2,110
Babbitt <sup>9</sup>	3		Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
City of Brisbane.	10	11	Brit.	Amer. & Aust. Line	Philadelphia, Pa.	Frem'tle, Aust'lia	Gen., mach.	6,760
Soloy <sup>2</sup>	10	11	Nor.	Canadian-Gulf Line	Houston, Tex.	Powell Riv., B. C.	Ballast	
Palo Seco <sup>2</sup>	27	11	C. R.	Banana de C. R.	Cristobal, C. Z.	Puntarenas, C. R.	Ballast	
Germanic	10	11	Brit.	North German Lloyd.	Tampico, Mex.	Adelaide, Aus'lia	General	7,859
City of Canberra	10	12	Brit.	Mont.-Aust. N. Z. Line	Montreal, Canada	Me'lbo'ne, Aus'lia	General	5,538
Ohioan	10	11	Amer.	Amer.-Hawaiian Line.	Charleston, S. C.	San Diego, Calif.	General	3,312
Ronda <sup>2</sup>	10	11	Nor.	Mitsui Bussan Kaisha	Philadelphia, Pa.	Moji, Japan		( <sup>15</sup> ) 7,440
Sage Brush	11	11	Amer.	Shepard S. S. Co.	Boston, Mass.	Seattle, Wash.	General	5,040
Hermionthis <sup>2</sup>	10	11	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General	5,415
Alaskan	11	11	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	3,561
La Plata Maru <sup>2</sup>	11	12	Jap.	Osaka Shosen Kaisha.	Buenos Aires, Arg.	Kobe, Japan	Cotton, gen.	3,958
Komaki Maru <sup>2</sup>	11	11	Jap.	Kokusai Kisen Kaisha	New York, N. Y.	Kobe, Japan	General	6,916
Firmore	9	11	Amer.	Ore S. S. Corp.	New York, N. Y.	Cruz Gr'de, Chile	Ballast	
Katrina Luckenbach.	11	12	Amer.	Luckenbach Line	New Orleans, La.	Seattle, Wash.	General	3,069
Istmo	3	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	400
Hollywood	11	12	Amer.	McCormick S. S. Co.	Norfolk, Va.	S. Francisco, Cal.	General	4,455
Pacific Ranger <sup>2</sup>	12	12	Brit.	Furness, Withy & Co.	Glasgow, Scot.	Vancouver, B. C.	General	867
American Oriole.	12	13	Amer.	McCormick S. S. Co.	Philadelphia, Pa.	Seattle, Wash.	General	6,921
Margaret Johnson.	12	12	Swed.	Johnson Line	Stockholm, Swed.	Seattle, Wash.	General	3,314
Samuel Bakke <sup>2</sup>	11	13	Nor.	Knut Knutsen, O.A.S.	Goth'burg, Swed.	Valparaiso, Chile.		( <sup>16</sup> ) 2,706
Nuevo Panama <sup>2</sup>	11	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General	100
Sambu <sup>2</sup>	11		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Taira <sup>2</sup>	11		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Oregon <sup>2</sup>	12	13	Fr.	French Line	Havre, France.	Vancouver, B. C.		( <sup>17</sup> ) 7,468
Temple Moat	12	13	Brit.	Temple S. S. Co.	New York, N. Y.	Yawata, Japan	Scrap iron.	7,397
Ino <sup>2</sup>	12	13	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	64
Marian Otis Chandler.	12	13	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Seattle, Wash.	General	3,091
Peter Hurl <sup>1</sup>	13	13	Pan.	Standard Oil of N. J.	Glasgow, Scot.	Talara, Peru	Ballast	
Cerigo	11	13	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecu.	General	198
Chincha.	13	13	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile.	General	2,693
Pereira	6	14	Pan.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	1,335
Trois Ilets	8	13	Fr.	French Line	Cristobal, C. Z.	Manta, Ecuador.	General	80
Point Arena	13	14	Amer.	Gulf-Pacific Line	Houston, Tex.	Tacoma, Wash.	General	5,089
Welcombe	13	14	Brit.	Andrew Weir & Co.	Liverpool, N. S.	Sydney, Australia	Newsprint	4,420
Arimisan Maru <sup>2</sup>	14	14	Jap.	Mitsui & Co.	Boston, Mass.	Kobe, Japan	Steel, mach.	6,425
Argual	14	14	Hond.	United Fruit Co.	Mobile, Ala.	Pto. Arm'tes, R. P.	Ballast	
Luna <sup>2</sup>	14	14	Pan.	A. Tagaropulos	Cristobal, C. Z.	Real, R. P.	General	3
Clark <sup>9</sup>	15		Amer.	U. S. Navy	U. S. port	Balboa, C. Z.	Ballast	
Drecht'dijk <sup>2</sup>	13	16	Neth.	N. Pac. Coast Line.	Rotterdam, Neth.	Vancouver, B. C.	General	4,275
Pennsylvanian	14	15	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	1,807
Elwood <sup>1</sup>	15	15	Amer.	Shell Oil Co.	Sewaren, N. J.	Los Angeles, Cal.	General	
Steel Traveler	15	15	Amer.	Isthmian S. S. Lines.	New York, N. Y.	Port Said, Egypt.	Steel, gen.	9,124
Orestes	14	16	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	3,687
Limalite <sup>1</sup>	5	15	Peru.	International Pet. Co.	Cristobal, C. Z.	Talara, Peru	Ballast	
Sambu <sup>2</sup>	14		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	14		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona <sup>2</sup>	14		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Enoch <sup>3</sup>	15		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		
President Cleveland.	16	17	Amer.	D. J. Hooper	Boston, Mass.	Manila, P. I.	General	2,370
Athos <sup>1</sup>	7	16	Nor.	Kawasaki K. Kaisha	London, England	W. coast, U. S. A.	Ballast	
Nollington Court.	15	16	Brit.	Canadian Transp. Co.	Montreal, Canada	Vancouver, B. C.	General	8,300
Alabaman	16	16	Amer.	Amer.-Hawaiian Line.	Jacksonville, Fla.	Seattle, Wash.	General	2,425
Rabaul <sup>2</sup>	16	16	Brit.	W. R. Carpenter & Co.	London, England	Sydney, Australia	Gen., cement	7,879
Lady Clara <sup>5</sup>	13		Amer.	B. W. Stephenson	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Santa Lucia	16	17	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,562
San Vincente	16	17	Amer.	Quaker Line	Albany, N. Y.	Seattle, Wash.	General	4,411
Hermion <sup>2</sup>	16	17	Nor.	K. K. K. Line	Tampa, Fla.	Yokohama, Japan	Phosphate	6,814
Idesleigh	16	17	Brit.	W. J. Patem & Co.	Barry, England	Vancouver, B. C.	Ballast	
Andrea F. Luckenbach.	17	17	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	4,523
American Reefer <sup>2</sup>	17	17	Dan.	J. Lauritzen	Esbjerg, Denmark	Seattle, Wash.	Ballast	
Troilus	17	18	Brit.	Alfred Holt and Co.	Philadelphia, Pa.	Hongkong, China	Gen., steel	4,787
Lebore	17	17	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
San Ubaldo <sup>1</sup>	17	17	Brit.	Eagle Oil Co.	Tampico, Mexico	Valparaiso, Chile.		( <sup>18</sup> ) 7,353
Canada <sup>2</sup>	17	17	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General	413
Storanger <sup>1</sup>	17	18	Nor.	Westfal, Larsen & Co.	Swansea, England	Lobitos, Peru.	Ballast	
U. S. Grant <sup>8</sup>	17	18	Amer.	U. S. Army	New York, N. Y.	S. Francisco, Cal.	General	326

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Transport. <sup>6</sup> Destroyer. <sup>7</sup> For bananas and return to Cristobal. <sup>8</sup> Hardware, cotton. <sup>9</sup> Steel, tinplate. <sup>10</sup> Paper, cement, etc. <sup>11</sup> Coffee, coke, general. <sup>12</sup> Diesel and fuel oil.



## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Santa Paula	17	18	Amer.	Grace Line	New York, N. Y.	S. Francisco, Cal.	General	2,845
Vigeo <sup>2</sup>	8-9	18	Nor.	Brunn & Von der Lippe	Mobile, Ala.	Moji, Japan	Scrap iron	8,170
Weser <sup>2</sup>	17	19	Ger.	North German Lloyd	Hamburg, Ger.	Vancouver, B. C.	General	5,706
Steele	17	18	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Karama <sup>2</sup>	17	18	Brit.	Shaw, Savill & Albion	London, England	Auckland, N. Z.	General	5,858
Gothic Star	17	18	Brit.	Blue Star Line	Tyne, England	Vancouver, B. C.	Ballast	
Ravnaas <sup>2</sup>	17	18	Nor.	Anglo-Can. S. S. Co.	Nordenham, Ger.	Los Angeles, Cal.	Coke	4,000
K. I. Luckenbach	18	18	Amer.	Luckenbach Line	Mobile, Ala.	Seattle, Wash.	General	1,895
Minnesotan	18	18	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	3,777
Clio <sup>2</sup>	17	18	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	142
Kashii Maru <sup>2</sup>	18	18	Jap.	Kokusai Kisen Kaisha	Hamburg, Ger.	Kobe, Japan	(15)	7,330
Marore	16	19	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Acajutla	14	19	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champico, Guat.	General	963
Pacific	18	19	Amer.	Weyerhaeuser S. S. Co.	Portland, R. I.	Everett, Wash.	Gen. steel	2,651
Franz Klasen <sup>1 2</sup>	19	19	Pan.	W. Tankschiff Rhed'i	Hamburg, Ger.	Talara, Peru	Ballast	
Junin <sup>13</sup>	18	22	Colom.	Columbian Govt	Cartagena, Col.	B'ventura, Col.	Ballast	
Tacoma City	19	19	Brit.	Mitsubishi Line	Baltimore, Md.	Moji, Japan	(16)	7,954
Baru <sup>2</sup>	18	19	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Panama, R. P.	Ballast	
Kimikawa Maru <sup>2</sup>	19	19	Jap.	Kawasaki K. Kaisha	New York, N. Y.	Yokohama, Japan	(17)	6,873
Norman Star	19	19	Brit.	Blue Star Line	Newcastle, Eng.	Seattle, Wash.	Ballast	
E. J. Hooper, No. 1, <sup>5</sup>	8		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Enoch <sup>3</sup>	19		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>		
Taira <sup>2</sup>	18		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	18		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Durazzo	18	20	Ger.	Hamburg-Amer. Line	Manauere, Colom.	Guayaquil, Ecu.	General	939
Absaroka	19	20	Amer.	McCormick S. S. Co.	New York, N. Y.	Tacoma, Wash.	General	4,050
Gregalia	20	20	Brit.	Donaldson Brothers	Glasgow, Scot.	Vancouver, B. C.	General	6,473
Japanese Prince <sup>2</sup>	20	20	Brit.	Prince Line, Ltd.	New York, N. Y.	Manila, P. I.	General	4,326
Tokai Maru <sup>2</sup>	20	20	Jap.	Osaka Shosen Kaisha	Boston, Mass.	Yokohama, Japan	General	8,278
Nojima Maru <sup>2</sup>	20	20	Jap.	Nippon Yusen Kaisha	Boston, Mass.	Kobe, Japan	(18)	8,069
Istmo	19	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	425
Winslow <sup>5</sup>	19		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge	
Point Salinas	20	21	Amer.	Gulf-Pacific Line	Tampa, Fla.	Seattle, Wash.	General	6,948
Hardanger	20	22	Nor.	Westfal, Larsen & Co.	Santa Fe, Arg.	Vancouver, B. C.	Gen., maize	3,854
Grete Maersk <sup>2</sup>	21	21	Dan.	Isbrandt Moller	Boston, Mass.	Cebu, P. I.	General	7,405
San Bruno	21	21	Pan.	United Fruit Co.	Mobile, Ala.	Pto. Arm'tes, R.P.	Ballast	
Helen Whittier	21	21	Amer.	Matson Nav. Co.	Baltimore, Md.	Honolulu, T. H.	General	1,348
Mexican	21	21	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	1,454
Moldanger <sup>2</sup>	21	22	Nor.	Westfal, Larsen & Co.	Hull, England	Vancouver, B. C.	General	157
Luna <sup>2</sup>	21	21	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Jane Christenson	21	22	Amer.	Arrow Line	Baltimore, Md.	Seattle, Wash.	General	3,065
Frida	22	22	Dan.	West Coast Line	New York, N. Y.	Talcahuano, Chile	General	2,352
Wildwood	22	22	Amer.	Amer.-Foreign S.S. Co.	Pt. Sulphur, La.	Oakland, Calif.	Sulphur	7,006
Adula <sup>1 2</sup>	22	22	Brit.	Asiatic Pet. Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
City of Dalhart <sup>2</sup>	22	22	Amer.	Roosevelt S. S. Co.	Paulsboro, N. J.	Adelaide, Aust'lia	General	5,970
President de Vogue, <sup>1 2</sup>	22	25	Nor.	Comp des Prod.Chem. et Raffin. de Berre.	Port de Bouc, Fr.	Talara, Peru	Ballast	
Atthelprincess <sup>1 2</sup>	22	22	Brit.	Standard Vae. Oil Co.	Hull, England	Los Angeles, Cal.	Ballast	
Scottsburg	22	23	Amer.	Lykes Bros-Ripley	Mobile, Ala.	Cebu, P. I.	Pig iron	8,674
Sambu <sup>2</sup>	21		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona <sup>2</sup>	21		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Harry Luckenbach	22	23	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,700
Elg <sup>2</sup>	23	23	Nor.	States Marine Corp.	New York, N. Y.	Yokohama, Japan	(19)	6,744
Rhein <sup>2</sup>	22	23	Ger.	Hamburg-Amer. Line	Corpus Ch'i, Tex.	Yokohama, Japan	General	8,460
Santa Maria <sup>2</sup>	23	24	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	3,039
San Marcos	22	23	Amer.	Quaker Line	Albany, N. Y.	Seattle, Wash.	General	3,923
Wales Maru	23	23	Jap.	Kawasaki K. Kaisha	Tampa, Fla.	Osaka, Japan	(20)	7,540
J-26 <sup>5</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
M-211 <sup>5</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
President Adams	24	24	Amer.	Dollar Line	Bombay, India	Alexandria, Egypt	Gen., iron	3,910
Virginia	24	25	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	1,891
Irisbank <sup>2</sup>	24	27	Brit.	Andrew Weir & Co.	Newp't News, Va.	Shanghai, China	General	4,985
Indra <sup>2</sup>	24	25	Nor.	Knut Knutsen, O.A.S.	Oslo, Norway	Valparaiso, Chile	(21)	1,747
Santa Maria <sup>6</sup>	23		Amer.	James A. Sexton	Baltimore, Md.	Balboa, C. Z.	Ballast	
Chilore	24	24	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Arica	23	24	Fr.	French Line	Havre, France	Valparaiso, Chile	(22)	4,770
Antietam <sup>1</sup>	24	25	Amer.	Shell Oil Co.	Newp't News, Va.	Los Angeles, Cal.	Ballast	
Emergency Aid	24	25	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	Steel, gen.	4,213
Hawaiian	25	25	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,852
Sjdra <sup>1 2</sup>	25	25	Nor.	Standard Oil of N. J.	LaGuayra, Venez.	Portocilla, Chile	Fuel oil	10,804
Naumburg	24	25	Ger.	Hamburg-Amer. Line	Tampico, Mex.	Auckland, N. Z.	Asphalt, oil	7,666
West Ira	25	25	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Los Angeles, Cal.	General	4,301
Ino <sup>2</sup>	24	25	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	344
Lena Luckenbach	25	25	Amer.	Luckenbach Line	Houston, Tex.	Tacoma, Wash.	General	3,286
Trois Ilets	24	25	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	Ballast	
Lochkatrine <sup>2</sup>	24	25	Brit.	Royal Mail Lines	Middlesb'gh, Eng.	Vancouver, B. C.	(23)	4,130

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>6</sup> Yacht. <sup>13</sup> Gunboat. <sup>14</sup> For bananas and return to Cristobal. <sup>15</sup> Steel, potash, etc. <sup>16</sup> Steel, scrap metal. <sup>17</sup> Pulp, lubricating oil, etc. <sup>18</sup> General, steel sheets. <sup>19</sup> Pig iron, benzol. <sup>20</sup> Phosphate, cotton, general, etc. <sup>21</sup> Dynamite, pulp, etc. <sup>22</sup> Iron and manure. <sup>23</sup> Steel work, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Dallas City <sup>2</sup> . . .	26	26	Brit. . .	Reardon-Smith Line.	Mobile, Ala. . . .	Osaka, Japan. . . .	Pig iron. . . .	9,077
Oliver Olsen . . .	26	26	Amer. . .	Sigfried Olsen Co.	Galveston, Tex. . .	Bellingham, Wash.	Sulphur. . . .	2,900
Ruabine . . . . .	26	27	Brit. . .	N. Z. Shipping Co.	London, England . .	Auckland, N. Z. . .	General. . . .	5,681
San Jose . . . . .	25	26	Fr. . . .	French Line. . . . .	Havre, France. . . .	Vancouver, B. C. .	General. . . .	5,883
Kanawha <sup>1</sup> . . . . .	25	26	Amer. . .	U. S. Navy . . . . .	Cristobal, C. Z. . .	San Diego, Calif. . .	Ballast. . . . .	
Manizales . . . . .	24	26	Ger. . .	North German Lloyd.	Cristobal, C. Z. . .	Guayaquil, Ecua. . .	General. . . .	624
Enoch <sup>3</sup> . . . . .	26		Pan. . .	E. J. Hooper . . . . .	Cristobal, C. Z. . .	Gatun, C. Z. <sup>13</sup> . . .		
S-42 <sup>7</sup> . . . . .			Amer. . .	U. S. Navy . . . . .	Cristobal, C. Z. . .	Balboa, C. Z. . . .	Ballast. . . . .	
S-46 <sup>7</sup> . . . . .			Amer. . .	U. S. Navy . . . . .	Cristobal, C. Z. . .	Balboa, C. Z. . . .	Ballast. . . . .	
Eurylochus . . . .	26	27	Brit. . .	Alfred Holt & Co. . .	Baltimore, Md. . . .	Moji, Japan . . . . .	Steel billets. . .	7,200
S-43 <sup>7</sup> . . . . .			Amer. . .	U. S. Navy . . . . .	Cristobal, C. Z. . .	Balboa, C. Z. . . .	Ballast. . . . .	
S-44 <sup>7</sup> . . . . .			Amer. . .	U. S. Navy . . . . .	Cristobal, C. Z. . .	Balboa, C. Z. . . .	Ballast. . . . .	
Schwanzhein <sup>2</sup> . . .	26	27	Ger. . .	North German Lloyd.	New Orleans, La. . .	Brisbane, Aust'lia	General. . . .	7,980
Pacific Reliance <sup>2</sup> .	27	27	Brit. . .	Furness, Withy & Co.	Glasgow, Scotland .	Vancouver, B. C. . .	General. . . .	717
Rhea <sup>1 2</sup> . . . . .	27	27	Fr. . . .	Soc. Fin. des Petroles.	Dunkerque, Fr. . . .	Talara, Peru. . . . .	Ballast. . . . .	
Fernwood <sup>2</sup> . . . .	27	27	Nor. . .	Fern Line. . . . .	Mobile, Ala. . . . .	Osaka, Japan. . . . .	General. . . .	7,517
Texas Sun <sup>1 2</sup> . . . .	27	27	Amer. . .	Sun Oil Co. . . . .	Chester, Pa. . . . .	Los Angeles, Cal. . .	Ballast. . . . .	
Tongariro . . . . .	27	27	Brit. . .	N. Z. Shipping Co. . .	London, England . .	Auckland, N. Z. . . .	General. . . .	7,501
Point Caleta . . . .	27	27	Amer. . .	Gulf-Pacific Line. . . .	New Orleans, La. . .	Seattle, Wash. . . . .	General. . . .	5,105
Amasis . . . . .	26	27	Ger. . .	Hamburg-Amer. Line.	Hamburg, Ger. . . .	Valparaiso, Chile. . .	General. . . .	7,694
Nuevo Panama <sup>2</sup> . .	26	27	Pan. . .	Elliott Ship. & Land Co.	Cristobal, C. Z. . .	Pedregal, R. P. . . .	General. . . .	140
Ville de Strasbourg	27	27	Fr. . . .	Messageries Marit'es.	Marseilles, France . .	Nomeua, N. Caled. . .	General. . . .	1,164
Istmo . . . . .	25	28	Pan. . .	Elliott Ship. & Land Co.	Cristobal, C. Z. . .	B'ventura, Col. . . .	General. . . .	350
Westmoreland. . . .	27	28	Brit. . .	N. Z. Ship. & Federal Steam Nav. Co.	London, England . .	Auckland, N. Z. . . .	General. . . .	4,515
Mallard <sup>10</sup> . . . . .			Amer. . .	U. S. Navy . . . . .	Cristobal, C. Z. . .	Balboa, C. Z. . . .	Ballast. . . . .	
King Lud <sup>2</sup> . . . . .	27	28	Brit. . .	King Line, Ltd. . . . .	Cardiff, England. . .	Vancouver, B. C. . .	Ballast. . . . .	
Tosca <sup>2</sup> . . . . .	28	28	Nor. . .	Knutsen Line . . . . .	Goth'burg, Swed. . .	Tocopilla, Chile. . .	Ballast. . . . .	
Brasil <sup>2</sup> . . . . .	27	28	Swed. .	Johnson Line . . . . .	Stockholm, Swed. . .	Vancouver, B. C. . .	Paper, gen. . . .	4,211
Svealand <sup>2</sup> . . . . .	28	28	Swed. .	Ore S. S. Corp. . . . .	Baltimore, Md. . . .	Cruz Gr'de, Chile . . .	Ballast. . . . .	
Seattle <sup>2</sup> . . . . .	27	28	Ger. . .	Hamburg-Amer. Line.	Hamburg, Ger. . . .	Vancouver, B. C. . .	General. . . .	5,545
Mayan . . . . .	21	29	Amer. . .	Grace Line . . . . .	Cristobal, C. Z. . .	Champ'co, Guat. . . .	General. . . .	1,338
Cumberland . . . . .	28	29	Brit. . .	Federal Steam Nav. Co.	Swansea, England . .	Auckland, N. Z. . . .	General. . . .	10,783
Argual . . . . .	28	29	Hond. .	United Fruit Co. . . .	Mobile, Ala. . . . .	Pto. Arm'les, R.P. . . .	Ballast. . . . .	
Luna <sup>2</sup> . . . . .	28	28	Pan. . .	A. Tagaropoulos . . .	Cristobal, C. Z. . .	Real, R. P. . . . .	General. . . .	3
King William <sup>2</sup> . . .	28	29	Brit. . .	Eagle Oil & Ship. Co.	Tampico, Mexico. . .	Melbourne, Aust. . .	Asphalt. . . .	7,301
Maine. . . . .	29	29	Amer. . .	Isthmian S. S. Lines . .	Baltimore, Md. . . .	Honolulu, T. H. . . .	General. . . .	2,902
Minerva <sup>2</sup> . . . . .	29	29	Nor. . .	Chile Nit. Sales Corp.	Boston, Mass. . . . .	Tocopilla, Chile. . . .	Ballast. . . . .	
Canadian High- lander. . . . .	29	30	Brit. . .	Port Line. . . . .	Montreal, Canada . .	Sydney, Australia . .	Paper. . . . .	3,891
Hopcastle <sup>2</sup> . . . . .	29	29	Brit. . .	Anglo-Can. S. S. Co. . .	Durban, S. Africa . .	Vancouver, B. C. . .	Corn . . . . .	8,768
Carolinian . . . . .	29	29	Amer. . .	Amer.-Hawaian Line.	New London, Con. . .	Tacoma, Wash. . . .	Steel, gen. . . .	4,946
Sona <sup>2</sup> . . . . .	28	28	Pan. . .	Elliott Ship. & Land Co.	Cristobal, C. Z. . .	Balboa, C. Z. . . .	Ballast. . . . .	
Sambu <sup>2</sup> . . . . .	28	28	Pan. . .	Elliott Ship. & Land Co.	Cristobal, C. Z. . .	Balboa, C. Z. . . .	Ballast. . . . .	
Real <sup>2</sup> . . . . .	28	28	Pan. . .	Elliott Ship. & Land Co.	Cristobal, C. Z. . .	Balboa, C. Z. . . .	Ballast. . . . .	
J-26 <sup>5</sup> . . . . .	24		Amer. . .	U. S. Army . . . . .	Cristobal, C. Z. . .	Gatun, C. Z. . . . .	Ballast. . . . .	
Nurnberg <sup>2</sup> . . . . .	29	30	Ger. . .	North German Lloyd.	Hamburg, Ger. . . .	Corral, Chile . . . . .	General. . . .	7,119
Canadian Reefer <sup>2</sup> .	29	30	Dan. . .	J. Lauritzen . . . . .	Hamburg, Ger. . . .	Vancouver, B. C. . .	Ballast. . . . .	
J. L. Luckenbach . .	30	30	Amer. . .	Luckenbach Line . . . .	Boston, Mass. . . . .	Seattle, Wash. . . . .	General. . . .	5,028
Lihue . . . . .	30	30	Amer. . .	Isthmian S. S. Lines . .	Baltimore, Md. . . .	San Diego, Calif. . . .	Gen., steel. . . .	6,608
Oropesa . . . . .	29	30	Brit. . .	Pacific Steam Nav. Co.	Liverpool, Eng. . . .	Valparaiso, Chile. . .	General. . . .	4,633
Rangitiki <sup>2</sup> . . . . .	30	1	Brit. . .	N. Z. Shipping Co. . . .	London, England . .	Wellington, N. Z. . . .	General. . . .	6,199
Bodegraven . . . . .	30	1	Neth. .	Royal Neth S. S. Co. . .	Hamburg, Ger. . . .	Valparaiso, Chile. . .	General. . . .	5,183
Ludington <sup>8</sup> . . . . .	30	2	Amer. . .	U. S. Army . . . . .	New York, N. Y. . . .	Honolulu, T. H. . . .	General. . . .	4,129
Ferngen <sup>2</sup> . . . . .	30	1	Nor. . .	Fern Line. . . . .	Philadelphia, Pa. . .	Osaka, Japan . . . . .	Pig iron. . . .	8,200
Oregon Express <sup>2</sup> . .	1	1	Nor. . .	Fruit Express Line. . . .	Rotterdam, Neth. . .	Los Angeles, Cal. . .	Ballast. . . . .	
Hegira . . . . .	1	1	Amer. . .	Pac. Coast Dir. Line. . .	New York, N. Y. . . .	Everett, Wash. . . . .	Steel, gen. . . .	4,349
Jefferson Myers. . .	30	1	Amer. . .	Pac.-Atlantic S. S. Co.	New York, N. Y. . . .	Seattle, Wash. . . . .	General. . . .	4,551
Baron Graham . . . .	1	1	Brit. . .	Cia. del Guano, Lima . .	Baltimore, Md. . . .	Paita, Peru. . . . .	Ballast. . . . .	
Nordnes . . . . .	1	1	Nor. . .	Canadian-Gulf Line. . .	Houston, Tex. . . . .	Powell Riv., B.C. . . .	General. . . .	748
Santa Elena . . . . .	1	2	Amer. . .	Grace Line . . . . .	New York, N. Y. . . .	S. Francisco, Cal. . . .	General. . . .	2,875
Santa Inez <sup>2</sup> . . . . .	1	2	Amer. . .	Grace Line . . . . .	New York, N. Y. . . .	Antof'gasta, Chile . .	Gen., oil. . . .	2,143
Taylor <sup>9</sup> . . . . .	24		Amer. . .	U. S. Navy . . . . .	Cristobal, C. Z. . .	Balboa, C. Z. . . .	Ballast. . . . .	
Hadiotis . . . . .	1	2	Greek. .	Chile Nit. Sales Corp.	Flushing, Neth. . . .	Tocopilla, Chile. . . .	Ballast. . . . .	
Bente Maersk <sup>1 2</sup> . .	1	2	Dan. . .	Isbrandtsen Moller. . . .	Curacao, N. W. I. . .	Los Angeles, Cal. . .	Ballast. . . . .	
Fiscus . . . . .	2	2	Brit. . .	Canadian Transp. Co. . .	Montreal, Canada . .	Tacoma, Wash. . . . .	General. . . .	5,650
Norfolk . . . . .	2	3	Brit. . .	N. Z. Ship. & Federal Steam Nav. Co.	Glasgow, Scotland . .	Adelaide, Aust'lia . .	General. . . .	7,387
Laila . . . . .	2	3	Dan. . .	West Coast Line . . . .	New York, N. Y. . . .	Talcahuano, Chile . . .	General. . . .	1,948
El Oso <sup>1</sup> . . . . .	2	3	Brit. . .	C. T. Bowring & Co. . .	Ellesmere, Eng. . . .	Cabo Bl'co, Peru. . . .	Ballast. . . . .	
W. R. Keever . . . . .	2	2	Amer. . .	Texas-Gulf Sulph. Co. . .	Freeport, Tex. . . . .	Tacoma, Wash. . . . .	Sulphur. . . .	7,443
Trois Ilets . . . . .	1	2	Fr. . . .	French Line. . . . .	Cristobal, C. Z. . .	Monta, Ecuador. . . .	General. . . .	55
King Idwal . . . . .	2	3	Brit. . .	Dodd Thomson & Co. . .	Havana, Cuba . . . .	Comax, B. C. . . . .	Ballast. . . . .	
Darcoila . . . . .	2	3	Brit. . .	Chile Nit. Sales Corp.	Boston, Mass. . . . .	Tocopilla, Chile. . . .	Ballast. . . . .	
Baru <sup>2</sup> . . . . .	2		Pan. . .	Elliott Ship. & Land Co.	Cristobal, C. Z. . .	Balboa, C. Z. . . .	Ballast. . . . .	
S-47 <sup>7</sup> . . . . .			Amer. . .	U. S. Navy . . . . .	Cristobal, C. Z. . .	Balboa, C. Z. . . .	Ballast. . . . .	
Jacob Luckenbach . .	2	3	Amer. . .	Luckenbach Line . . . .	Houston, Tex. . . . .	Tacoma, Wash. . . . .	General. . . .	2,568
Texan . . . . .	2	3	Amer. . .	Amer.-Hawaian Line.	Boston, Mass. . . . .	Tacoma, Wash. . . . .	General. . . .	4,800

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Submarine. <sup>6</sup> Transport. <sup>7</sup> Destroyer. <sup>8</sup> Destroyer. <sup>9</sup> Destroyer. <sup>10</sup> Mine sweeper. <sup>11</sup> For bananas and return to Cristobal.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Chateau Thierry <sup>5</sup>	2		Amer.	U. S. Army	New York, N. Y.	Balboa, C. Z.	General	753
Steel Exporter	3	3	Amer.	Isthmian S. S. Lines	Portland, Me.	Seattle, Wash.	Gen., steel	5,216
Tatsuno Maru	3	3	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Kobe, Japan	General	7,750
Wind Rush	3	3	Amer.	Shepard S. S. Co.	Boston, Mass.	Tacoma, Wash.	General	4,750
Calif.	1	3	Ger.	North German Lloyd	Manure, Colom.	Guayaquil, Ecu.	General, salt	893
Clio <sup>2</sup>	2	3	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	197
Tropic Star <sup>2</sup>	3	3	Nor.	Chile Nit. Sales Corp.	Baltimore, Md.	Antofagasta, Chile	Coke	1,546
Taura <sup>2</sup>	2		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona <sup>2</sup>	2		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Enoch <sup>3</sup>	3		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>12</sup>		
Moveria <sup>2</sup>	3	4	Brit.	Donaldson Bros.	Glasgow, Scotland	Vancouver, B. C.	General	988
Elizabeth Bakke <sup>2</sup>	3	4	Nor.	Knutsen Line	Goth burg, Swed.	Vancouver, B. C.	Ballast	
Forbes Hauptman	4	4	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General	3,755
Point Brava	4	4	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	General	6,028
Silverbeech <sup>2</sup>	4	4	Brit.	Kerr S. S. Co.	Boston, Mass.	Columbo, Ceylon	General	4,374
Salvador	28	4	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	739
Istmo	3	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	275
City of Christ-church	4	5	Brit.	Ellerman & Bucknall	Baltimore, Md.	Manila, P. I.	General	5,891
Peik <sup>1</sup>	4	5	Nor.	Gustav B. Bull	Newcastle, Eng.	S. Francisco, Cal.	Ballast	
Westward Ho Maru	4	6	Jap.	Kawasaki K. Kaisha	New Orleans, La.	Kobe, Japan	Ballast	
Kinai Maru <sup>2</sup>	5	5	Jap.	Osaka Shosen Kaisha	Boston, Mass.	Kobe, Japan	General	8,303
Nansenville <sup>2</sup>	5	5	Neth.	Fred Olsen & Co.	Oslo, Norway	Vancouver, B. C.	General	3,590
Amerikaland <sup>2</sup>	5	5	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Caroline Maersk <sup>1</sup>	2	5	Dan.	Bermuth Lembeke Co.	Immingham, Eng.	Vancouver, B. C.	Creosote	11,672
Q. M. C. No. 1 <sup>5</sup>	5		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Luna <sup>2</sup>	5	5	Pan.	A. Tagaropulos	Cristobal, C. Z.	Real, R. P.	General	3
Woodcock <sup>10</sup>	5		Amer.	U. S. Navy	High seas	Balboa, C. Z.	Ballast	
Catalina <sup>1</sup>	21	6	Brit.	Anglo-Ecuad. Oilfields	Cristobal, C. Z.	La Libertad, Ecu.	Ballast	
McDougall, 358 <sup>9</sup>	5		Amer.	U. S. Navy	New York, N. Y.	San Diego, Calif.	Ballast	
Cummings, 365 <sup>9</sup>	5		Amer.	U. S. Navy	New York, N. Y.	San Diego, Calif.	Ballast	
Baron Belhaven	5	6	Brit.	T. H. Winchester	Houston, Tex.	Osaka, Japan	Scrap iron	9,296
Norden <sup>2</sup>	6	6	Dan.	Kawasaki K. Kaisha	Baltimore, Md.	Dairen, China	General	6,122
Golden Cloud	6	6	Amer.	Matson Nav. Co.	Philadelphia, Pa.	Hilo, T. H.	Steel, gen	1,926
Real <sup>2</sup>	5		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Hakonesan Maru <sup>2</sup>	6	7	Jap.	Osaka Shosen Kaisha	Buenos Aires, Arg.	Kobe, Japan	General	5,881
Helgoy <sup>2</sup>	7	7	Nor.	Erling H. Samuelsen	New Orleans, La.	Coos Bay, B. C.	Ballast	
American	6	7	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	1,668
Lillian Luckenbach	7	7	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	3,945
Buenos Aires Maru <sup>2</sup>	7	8	Jap.	Osaka Shosen Kaisha	Buenos Aires, Arg.	Kobe, Japan	Gen., hides	3,528
Bolton Castle	7	7	Brit.	Chile Nit. Sales Corp.	Norfolk, Va.	Tocopilla, Chile	Ballast	
Vestvard <sup>2</sup>	7	7	Nor.	Mitsubishi S. Kaisha	Pt. Arthur, Tex.	Osaka, Japan	Scrap iron	7,004
King Stephen <sup>2</sup>	6	7	Brit.	Eagle Oil Co.	Tampico, Mexico	Brisbane, Aust'lia	Bitumen	7,327
Australind <sup>2</sup>	7	8	Brit.	Australind S. S. Co.	Montreal, Canada	Sydney, Aust'lia	General	5,264
Santa Clara	7	8	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	3,657
Belita <sup>1</sup>	7	10	Nor.	Hans S. Kristoffersen	St. Nicolas, N.W. I.	La Libertad, Ecu.	(14)	9,415
Lobos <sup>2</sup>	7	8	Brit.	Pacific Steam Nav. Co.	Hull, England	Valparaiso, Chile	General	5,019
California	8	9	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	1,839
Niel Maersk <sup>2</sup>	7	8	Dan.	A. P. Moller	Philadelphia, Pa.	Hilo, P. I.	General	6,931
Justitia	7	8	Brit.	Texas Gulf Sulph. Co.	Galveston, Tex.	Geelong, Aust'lia	Sulphur	8,150
Willmott <sup>2</sup>	8	8	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Seattle, Wash.	General	1,450
Berganger <sup>2</sup>	8	8	Nor.	Iroerocean S. S. Co.	Leith, England	Vancouver, B. C.	Ballast	
Tai Yang <sup>2</sup>	8	8	Nor.	Barber-Wilhelmsen	New York, N. Y.	Manila, P. I.	General	1,505
Filleigh <sup>8</sup>	8	8	Brit.	Atl. Ship. & Trad. Co.	Barry, England	Portland, Oreg.	Ballast	
Rhakotis <sup>2</sup>	7	8	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Corral, Chile	General	6,412
President Harrison	9	9	Amer.	Dollar Line	Singapore, Straits Settlements.	Round-the-world.	General	2,653
Dinteldijk <sup>2</sup>	8	9	Neth.	Holland-Amer. Line	Rotterdam, Neth.	Victoria, B. C.	Gen., coke	2,397
Oakmar	9	9	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen	8,374
Kentuckian	9	9	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	1,933
Eskdalegate	9	9	Brit.	Chile Nit. Sales Corp.	Antwerp, Belgium	Tocopilla, Chile	Ballast	
Erria <sup>2</sup>	9	9	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General	498
Fella <sup>2</sup>	8	9	Ital.	Italian Line	Trieste, Italy	Vancouver, B. C.	General	3,083
Edward Luckenbach	9	10	Amer.	Luckenbach Line	Mobile, Ala.	Tacoma, Wash.	General	4,254
Ino <sup>2</sup>	8	10	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	155
Paula	9	10	Dan.	West Coast Line	New York, N. Y.	Valparaiso, Chile	General	1,641
Everett	9	10	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	Steel, gen	1,418
Anniston City	10	10	Amer.	Isthmian S. S. Lines	New York, N. Y.	Seattle, Wash.	Steel, gen	4,318
Mobile City	10	10	Amer.	Isthmian S. S. Lines	Mobile, Ala.	Moji, Japan	Steel	7,999
Raby Castle <sup>2</sup>	10	10	Brit.	Barber Line	New York, N. Y.	Hongkong, China	Ballast	
Katendrecht <sup>1</sup>	9	10	Neth.	Anglo-Saxon Pet. Co.	Rouen, France	Los Angeles, Cal.	Ballast	
Cerigo	9	10	Ger.	Hamburg-Amer. Line	Barranquilla, Col.	Guayaquil, Ecu.	General	387
Nuevo Panama <sup>2</sup>	9	10	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General	262
Fortuna <sup>3</sup>	10		Pan.	A. Ferrari	Cristobal, C. Z.	Gatun, C. Z.	Iron rails	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>8</sup> Transport. <sup>9</sup> Destroyer. <sup>10</sup> Mine sweeper.

<sup>12</sup> For bananas and return to Cristobal. <sup>14</sup> Diesel and fuel oil.



ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Enoch <sup>3</sup>	10		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		
Tuira <sup>2</sup>	9		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu <sup>2</sup>	9		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Vagabond <sup>6</sup>	9		Amer.	Phillip Green	Cristobal, C. Z.	Balboa, C. Z.	Ballast	

PACIFIC TO ATLANTIC

Katrine Maersk <sup>1 2</sup>	10	11	Dan.	A. P. Moller	Los Angeles, Cal.	Curacao, N. W. I.	Gas oil	8,088
El Aleto <sup>1 2</sup>	10	11	Brit.	C. T. Bowring & Co.	Cabo Blanco, Peru.	Cobh, I. F. S.	Crude oil	10,535
Curaca	11	11	Amer.	Grace Line	Chanaral, Chile.	New York, N. Y.	Cotton, gen.	3,643
Presidente Roca <sup>2</sup>	9	11	Arg.	Cia. Arg. Com. Ind. Pesqueras.	Tobata, Japan.	Buenos Aires, Arg.	Ballast	
Mobiloil <sup>1</sup>	11	11	Amer.	Socony Vac. Oil Co.	Los Angeles, Cal.	Providence, R. I.	Gasoline	14,658
Cerigo	11	13	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	1,161
Ethan Allen	11	11	Amer.	Lykes Bros.-Ripley	Manila, P. I.	New Orleans, La.	Sugar, copra.	10,061
Nuevo Panama <sup>2</sup>	11	12	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	212
Massmar	11	11	Amer.	Calmar Line	S. Francisco, Cal.	Boston, Mass.	Lumber	6,494
Luna <sup>2</sup>	10	11	Pan.	A. Tagaropoulos.	Darien, R. P.	Colon, R. P.	Lumber	3
Tuira <sup>2</sup>	11	12	Pan.	Julio Laffargue	Darien, R. P.	Cristobal, C. Z.	Bananas	58
Sambu <sup>2</sup>	11	12	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	20
Svealund <sup>2</sup>	11	12	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,300
Trontolite <sup>1-2</sup>	11	12	Brit.	Imperial Oil Co.	Talara, Peru	Montreal, Canada	Gasoline	7,558
Point Judith	11	12	Amer.	Swayne & Hoyt	Portland, Oreg.	Tampa, Fla.	Lumber, gen.	5,163
Breda	12	12	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	9,354
Louisianan	12	12	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Baltimore, Md.	General	8,317
Ino <sup>2</sup>	12	13	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	(13) Bananas	375
Harpoon	12	12	Amer.	Shepard S. S. Co.	S. Francisco, Cal.	Baltimore, Md.	Lumber, gen.	8,691
Glitter <sup>1 2</sup>	12	12	Nor.	Shell Oil Co.	Los Angeles, Cal.	Curacao, N. W. I.	(16) Ballast	9,097
Oliver Olsen	8	12	Amer.	Siegfried Olsen Co.	Seattle, Wash.	Galveston, Tex.	Ballast	
Lady Clara <sup>5</sup>	12	16	Amer.	B. W. Stephenson	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Calgarolite <sup>1 2</sup>	12	13	Brit.	Imperial Oil Co.	Talara, Peru	Montreal, Canada	Crude oil	16,666
General Sherman	12	13	Amer.	States S. S. Co.	S. Francisco, Cal.	Mobile, Ala.	Rice	2,600
Orduna	13	13	Brit.	Pacific Steam Nav. Co.	San Antonio, Chile	Liverpool, Eng.	General	8,216
Pan Aruba <sup>1 2</sup>	13	13	Nor.	Huasteca Pet. Co.	Talara, Peru	Aruba, N. W. I.	(17) Lumber	13,335
Nordpol <sup>2</sup>	13	13	Dan.	West Indian Trad. Co.	Englewood, B. C.	Boston, Mass.	Lumber	7,043
Columbian	13	13	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	6,200
Edward Luckenbach	13	14	Amer.	Luckenbach-Gulf Co.	Seattle, Wash.	New Orleans, La.	Lumber, gen.	6,134
Azumasan Maru <sup>2</sup>	13	13	Jap.	Mitsui Bussan Kaisha	Penang, Mal. Pen.	New York, N. Y.	Silk, gen.	6,277
Santa Elena	13	14	Amer.	Grace Line	S. Francisco, Cal.	New York, N. Y.	General	3,783
Rangitata <sup>2</sup>	13	14	Brit.	N. Z. Shipping Co.	Wellington, N. Z.	London, England	Frozen, gen.	5,084
Helgoy <sup>2</sup>	10	14	Nor.	J. J. Moore	Manila, P. I.	New Orleans, La.	Sugar	8,885
Alabama	14	15	Fr.	French Line	Valparaiso, Chile.	Havre, France.	General	7,689
Santa Inez <sup>2</sup>	13	14	Amer.	Grace Line	Ant'fagasta, Chile	New York, N. Y.	Copper, gen.	2,592
Sidney M. Hauptman.	14	14	Amer.	McCormick S. S. Co.	S. Francisco, Cal.	Baltimore, Md.	Lumber, gen.	8,927
Acajutla	14	19	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	Coffee, gen.	944
Sona <sup>2</sup>	14	15	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	31
Real <sup>2</sup>	13	15	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	20
Sambu <sup>2</sup>	14	15	Pan.	Elliot Ship. & Land Co.	Bayano, R. P.	Cristobal, C. Z.	Bananas	23
Yondonia	14	15	Brit.	Filex Gordon Ordas.	Mazatlan, Mex.	Spain	Beans, sugar	5,716
Nordnes <sup>2</sup>	14	15	Nor.	Canadian-Gulf Line.	Powell Riv., B. C.	Houston, Tex.	(18) General	6,912
San Antonio	15	15	Fr.	French Line	Portland, Oreg.	Havre, France.	General	6,997
Embassage	15	15	Brit.	Anglo-Can. S. S. Co.	Dollarton, B. C.	Liverpool, Eng.	Timber	8,178
Anneliese Essberger <sup>2</sup>	15	15	Ger.	Anglo-Can. S. S. Co.	Vancouver, B. C.	London, England	Lead, lumber	7,300
Hamlin F. McCormick.	15	15	Amer.	McCormick S. S. Co.	St. Helens, Oreg.	New York, N. Y.	Lumber	4,000
Theofano Livanos.	15	15	Greek.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>14</sup>	Nitrate	8,700
President Taft	15	16	Amer.	Dollar Line	Manila, P. I.	New York, N. Y.	General	5,426
Nevadan	15	16	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	9,903
San Angelo	16	16	Amer.	Quaker Line	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	8,767
Sun <sup>1 2</sup>	16	16	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,343
Schwaben	15	18	Ger.	North German Lloyd.	Vancouver, B. C.	Hamburg, Ger.	General	9,066
Marchen Maersk <sup>2</sup>	16	17	Dan.	A. P. Moller	Manila, P. I.	Baltimore, Md.	General	6,658
Zjawa <sup>5</sup>	16	16	Amer.	Tucker McClure	Miraflores Lake.	Cristobal, C. Z.	Ballast	
Axel Johnson <sup>2</sup>	16	17	Swed.	Johnson Line	Vancouver, B. C.	Stockholm, Swed.	Wheat, gen.	5,582
Karnak	16	18	Ger.	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger.	General	8,260
Queen Eleanor	16	17	Brit.	Chile Nit. Sales Corp.	Iquique, Chile	Alexandria, Egypt	Nitrate	7,550
Chr. Knudsen <sup>2</sup>	17	17	Nor.	Canadian Transp. Co.	Victoria, B. C.	Immingham, Eng.	Lumber, gen.	7,260
Helga	17	17	Dan.	J. Lauritzen	San Antonio, Chile	Havana, Cuba.	Nit., beans.	2,597
Clio <sup>2</sup>	17	18	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	General	513
Argal	17	21	Ger.	North German Lloyd.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	1,112
Cali	17	17	Hond.	United Fruit Co.	Pto. Arm'les, R. P.	Mobile, Ala.	Bananas	825
Keekoskee <sup>1</sup>	17	17	Amer.	Arrow Oil Co.	Los Angeles, Cal.	Corpus Ch'ti, Tex.	Ballast	
Steel Engineer	17	17	Amer.	Isthmian S. S. Lines.	Tacoma, Wash.	Baltimore, Md.	(19) Lumber	812.4

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>6</sup> Yacht. <sup>13</sup> For bananas and return to Cristobal. <sup>14</sup> For orders. <sup>15</sup> Coffee, cocoa. <sup>16</sup> Dest. cero., gas oil. <sup>17</sup> Gasoline, petroleum. <sup>18</sup> Newsprint, shingles. <sup>19</sup> Lumber, ore, pulp.



PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Miss C. B.	16	18	Brit.	I. D. Hunter	Tumaco, Colom.	Tampa, Fla.	Ballast	
Dallington Court.	17	17	Brit.	Anglo-Can. S. S. Co.	Pt. Alberni, B. C.	Liverpool, Eng.	Lumber	7,800
Amerikaland <sup>2</sup>	18	18	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,300
Barbara Cates	17	18	Amer.	Christenson S. S. Co.	Willapa, Wash.	Baltimore, Md.	Lumber	8,470
Pacific Grove <sup>2</sup>	17	18	Brit.	Furness, Withy & Co.	Victoria, B. C.	Glasgow, Scot.	General	8,823
Pontypridd	17	18	Brit.	Andrew Weir & Co.	Suva, Fiji Islands	Lands End, Eng. <sup>13</sup>	Sugar	7,350
British Prince <sup>2</sup>	17	18	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Cardiff, Wales	Lumber	8,500
Asson Maru <sup>2</sup>	18	18	Jap.	Mitsui & Co.	Manila, P. I.	Baltimore, Md.	Silk, gen.	6,756
Baru <sup>2</sup>	18	19	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	97
Chipana	18	18	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	4,800
British Columbia Express <sup>2</sup>	18	18	Nor.	Fruit Express Line	Portland, Oreg.	Havre, France	( <sup>14</sup> )	2,500
Anadara <sup>1 2</sup>	18	18	Brit.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Lands End, Eng. <sup>13</sup>	Pet. spirit	11,424
Luna <sup>2</sup>	18	18	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	( <sup>15</sup> )	12
Taira <sup>2</sup>	18	19	Pan.	Laffargue Bros.	Darien, R. P.	Cristobal, C. Z.	Bananas	50
Real <sup>2</sup>	18	19	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	24
Gryfevale	18	19	Brit.	Nitrate Corporation	Taltal, Chile	Alexandria, Egypt	Nitrate	7,780
El Cervo	18	19	Brit.	C. T. Bowring & Co.	Lobitos, Peru	Antwerp, Belgium	Crude oil	8,003
Burton E. O'Brien <sup>2</sup>	18	20	C. R.	Comp. Bananera, C. R.	Puntarenas, C. R.	Cristobal, C. Z.	Ballast	
Istmo	18	20	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	659
Feodosia	19	19	Ger.	Hamburg-Amer. Line	Puntarenas, C. R.	Hamburg, Ger.	Coffee, gen.	1,175
Charles R. McCormick	19	20	Amer.	McCormick S. S. Co.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	6,001
Muenchen <sup>2</sup>	19	19	Ger.	North German Lloyd	Corral, Chile	Hamburg, Ger.	General	6,850
Stirlingville <sup>2</sup>	19	19	Nor.	Anglo-Can. S. S. Co.	Brit. Columbia	S'ampton, Eng.	Lumber	7,868
Kassos	19	20	Greek	Chile Nit. Sales Corp.	Iquique, Chile	Alexandria, Egypt	Nitrate	8,200
Heffron	19	20	Amer.	Pac. Coast Dir. Line	S. Francisco, Cal.	Norfolk, Va.	Lumber, gen.	10,886
Reaveley	19	20	Brit.	Andrew Weir & Co.	Lautoka	Lands End, Eng.	Sugar	6,652
Assuan <sup>2</sup>	20	20	Ger.	Richard Meyer Co.	Hoilo, P. I.	U. S. Atl. ports	Sugar	7,768
Kiyokawa Maru <sup>2</sup>	20	21	Jap.	Kawasaki K. Kaisha	Kobe, Japan	Baltimore, Md.	General	4,029
Kwansai Maru <sup>2</sup>	20	21	Jap.	Osaka Shosen Kaisha	Mamaguad, P. I.	Baltimore, Md.	General	6,779
Point Bonita	20	20	Amer.	Gulf-Pacific Line	Tacoma, Wash.	Panama City, Fla.	Lumber, gen.	4,272
Admiral Wiley	20	21	Amer.	Bulk Carriers, Corp.	Vancouver, B. C.	Norfolk, Va.	Wheat	5,179
Tomislav	20	20	Y-Slav	Chile Nit. Sales Corp.	Tocopilla, Chile	Azores <sup>13</sup>	Nit. of soda	8,051
Eridan <sup>2</sup>	20	21	Fr.	Messageries Maritimes	Noumea, N. Caled	Marseille, France	Coffee, gen.	4,385
Florian	20	20	Amer.	Amer.-Hawaiian Line	Tacoma, Wash.	Bridgeport, Conn.	Gen., lumber	9,225
Mauna Loa	20	20	Amer.	Matson S. S. Co.	Hawaiian Islands	New York, N. Y.	Sugar, gen.	6,098
Dagrui <sup>2</sup>	20	21	Nor.	General Grain Co.	Manila, P. I.	New York, N. Y.	Sugar	8,000
Lewis Luckenbach	20	21	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	12,600
California	20	21	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	5,545
Mayan	21	28	Amer.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General	337
Dora <sup>1</sup>	20	21	Amer.	U. S. Tankship Corp.	Honolulu, T. H.	New Orleans, La.	Molasses	7,321
Constance Chandler	20	21	Amer.	Matson Nav. Co.	Honolulu, T. H.	New York, N. Y.	( <sup>16</sup> )	7,287
Kansas	21	21	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	7,788
Santa Clara	21	21	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	Coffee, gen.	5,387
Bengal Maru	21	21	Jap.	Nippon Yusen Kaisha	Yokohama, Japan	London, England	Can. salmon	5,687
Catalina <sup>1</sup>	21	21	Ecuac.	Anglo-Ecuac. Oilfields	La Libertad, Ecu.	Cristobal, C. Z.	Ballast	
Henry D. Whiton	21	21	Amer.	Dutton Lumber Co.	Everett, Wash.	Po'keepsie, N. Y.	Lumber	5,416
Villanger <sup>2</sup>	21	22	Nor.	Interocean S. S. Corp.	Portland, Oreg.	London, England	General	6,991
Ciricito <sup>5</sup>	21	22	Amer.	H. J. Quigley	Balboa, C. Z.	Cristobal, C. Z.	Towing	
Sambu <sup>2</sup>	21	22	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	16
Sona <sup>2</sup>	21	22	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	23
Vancouver	21	23	Ger.	Hamburg-Amer. Line	Vancouver, B. C.	Hamburg, Ger.	General	8,287
Taronga <sup>2</sup>	21	23	Nor.	Barber-Williamsen	Davao, P. I.	New York, N. Y.	Sugar, gen.	7,678
Cacique	21	22	Amer.	Grace Line	Taleahuano, Chile	Baltimore, Md.	General	3,545
Hokuroku Maru <sup>2</sup>	21	22	Jap.	Osaka Shosen Kaisha	Kobe, Japan	Buenos Aires, Arg.	General	4,660
Bente Maersk <sup>1 2</sup>	22	22	Dan.	Isbrandtsen Moller Co.	Los Angeles, Cal.	Curacao, N. W. I.	Gas oil	8,173
Pennmar	22	23	Amer.	Calmar S. S. Corp.	Seattle, Wash.	Baltimore, Md.	Copper, lum.	6,932
Delftdijk <sup>2</sup>	22	23	Neth.	N. Pac. Coast Line	Victoria, B. C.	Rotterdam, Neth.	General	10,312
Steelmaker	22	23	Amer.	Isthmian S. S. Lines	Seattle, Wash.	Baltimore, Md.	( <sup>17</sup> )	8,446
Vinland <sup>2</sup>	22	23	Nor.	Scand.-S. Pacific Line	Valparaiso, Chile	Lands End <sup>13</sup>	Gen., cotton	7,060
D. G. Scofield <sup>1</sup>	23	23	Amer.	Standard Oil of Cal.	S. Francisco, Cal.	Baltimore, Md.	( <sup>18</sup> )	11,043
Honomu	23	23	Amer.	Matson S. S. Co.	Kahului, T. H.	Baltimore, Md.	General	8,171
Mathew Luckenbach	23	23	Amer.	Luckenbach Line	Portland, Oreg.	Mobile, Ala.	General	4,655
Noto Maru <sup>2</sup>	23	24	Jap.	Nippon Yusen Kaisha	Hongkong, China	Baltimore, Md.	Rice, gen.	4,266
Dunkeld <sup>2</sup>	23	24	Brit.	Andrew Weir & Co.	Suva, Fiji Islands	United Kingdom	Sugar	8,900
Geddington Court	23	23	Brit.	Canadian Transp. Co.	Vancouver, B. C.	London, England	( <sup>19</sup> )	7,888
Bagley <sup>3</sup>	18	24	Amer.	U. S. Navy	Galapagos Island	Habana, Cuba		
Taylor <sup>9</sup>	24	24	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Horace Luckenbach	23	24	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	8,048
Waimana	24	24	Brit.	Shaw, Savill & Albion	Wellington, N. Z.	London, England	Frozen, gen.	4,402
Ino <sup>2</sup>	24	25	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecuac.	Cristobal, C. Z.	Coffee, gen.	283
San Bruno	24	24	Pan.	United Fruit Co.	Pto. Arm'les, R. P.	Mobile, Ala.	Bananas	554
Point Palmas	24	24	Amer.	Swayne & Hoyt	Portland, Oreg.	Tampa, Fla.	Lumber, gen.	4,693
Manizales	24	26	Ger.	North German Lloyd	Guayaquil, Ecuac.	Cristobal, C. Z.	Coffee, gen.	1,140

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Launch. <sup>9</sup> Destroyer. <sup>13</sup> For orders. <sup>14</sup> Barley, fresh fruit. <sup>15</sup> Lumber, plantains. <sup>16</sup> Canned pineapples. <sup>17</sup> Canned goods, lumber. <sup>18</sup> Petrolastic asphalt. <sup>19</sup> Scrap brass, lumber.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Trois Ilets	24	25	Fr	French Line	Manta, Ecuador	Cristobal, C. Z.	(14)	354
Kanawha	24	26	Amer.	U. S. Navy	San Diego, Calif.	Coco Solo, C. Z.	Gasoline, gen.	361
San Anselmo	25	25	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	8,766
Missourian	25	25	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	Gen., lumber	10,391
Nuevo Panama <sup>2</sup>	25	27	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas, gen.	41
Istmo	25	27	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	(15)	654
Luna <sup>2</sup>	26	27	Pan.	Antonio Tagaropulos	Darien, R. P.	Colon, R. P.	(16)	10
Chatanooga City	26	26	Amer.	Isthmian S. S. Lines	Port Allen, T. H.	Baltimore, Md.	(17)	7,911
Loreto <sup>2</sup>	26	27	Brit.	Pacific Steam Nav. Co.	Talcahuano, Chile	Hull, England	General	8,613
Washingtonian	26	26	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Baltimore, Md.	General	9,780
Bethore	27	27	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,200
Stigstad <sup>1 2</sup>	26	27	Nor.	A. F. Klaveness & Co.	Los Angeles, Cal.	Hamburg, Ger.	Gas oil	8,152
Dan <sup>2</sup>	26	27	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	13,414
Storanger <sup>1 2</sup>	27	27	Nor.	Skibs A/S "Danmotor"	Pt. Costa, Calif.	Hull, England	Lum., barley	6,670
Manoceran <sup>2</sup>	27	27	Neth.	Westfal, Larsen & Co.	Loibitos, Peru	Donges, France	Crude oil	14,239
Boskoop	27	27	Neth.	Pac.-Java-Bengal Line	Portland, Oreg.	Calcutta, India	General	5,955
Chelsea	27	27	Brit.	Kon. Ned. Stoomb. My	Corral, Chile	Hamburg, Ger.	General	8,546
Erlangen	27	28	Ger.	Chile Nit. Sales Corp.	Antofagasta, Chile	Azores <sup>13</sup>	Nit. of soda	7,750
Statria <sup>2</sup>	27	28	Ger.	North German Lloyd	Whyalla, Aust'lia	Baltimore, Md.	General	7,374
Heranger <sup>2</sup>	27	28	Nor.	Queensland Govt.	Mackay, Aust'lia	Montreal, Canada	Sugar	8,650
Santa Rosa	27	28	Amer.	Intercean S. S. Corp.	Seattle, Wash.	Hull, England	(18)	6,976
Franz Klaven <sup>1 2</sup>	27	28	Pan.	Grace Line	S. Francisco, Cal.	New York, N. Y.	General	5,150
Norne <sup>2</sup>	27	28	Nor.	W. Tankschiff Rhed'i	Talara, Peru	Hamburg, Ger.	Mineral oil	17,017
Canbria	28	28	Brit.	States Marine Corp.	Hakodate, Japan	Philadelphia, Pa.	(19)	6,472
Mauna Kea	27	28	Amer.	Cable & Wireless, Ltd.	Valparaiso, Chile	St. Lucia, B.W.I.	Cable	86
C. A. Canfield <sup>2</sup>	28	28	Amer.	Matson Nav. Co.	Los Angeles, Cal.	New York, N. Y.	Sugar, gen.	7,412
Susan V. Luckenbach	28	28	Amer.	Standard Oil of N. J.	El Segundo, Calif.	New York, N. Y.	Gasoline	8,308
Santa Barbara <sup>2</sup>	28	28	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,576
Leo Dawson	28	28	Amer.	Grace Line	Valparaiso, Chile	New York, N. Y.	General	5,118
Dakotan	28	28	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile	Azores <sup>13</sup>	Nitrate	6,800
Salvador	28	28	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	8,495
Hanley	28	29	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	Coffee, gen.	433
Real <sup>2</sup>	28	29	Pan.	Weyerhaeuser S. S. Co.	Longview, Wash.	Philadelphia, Pa.	Pulp, lumber	10,214
Sambu <sup>2</sup>	28	29	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	24
Sona <sup>2</sup>	28	29	Pan.	Elliot Ship. & Land Co.	Bayano, R. P.	Cristobal, C. Z.	Bananas	23
Pacific Enterprise <sup>2</sup>	28	29	Brit.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	18
Brazilian Reifer <sup>2</sup>	28	29	Dan.	Furness, Withy & Co.	Vancouver, B. C.	Glasgow, Scot.	General	8,921
Golden West	29	30	Amer.	J. Lauritzen	Seattle, Wash.	Haifa, Palestine	Fruit, gen.	8,553
Poseidon	30	1	Ger.	Matson Nav. Co.	Honolulu, T. H.	Baltimore, Md.	(17)	7,488
Kano Maru <sup>2</sup>	30	1	Jap.	Hamburg-Amer. Line	Magallanes, Chile	Hamburg, Ger.	General	8,836
Mataroa	30	1	Brit.	Kokusai Kisen Kaisha	Manila, P. I.	New York, N. Y.	General	7,759
City of Glasgow	30	30	Brit.	Shaw, Savill & Albion	Auckland, N. Z.	London, England	Frozen, gen.	4,049
Fernbank <sup>2</sup>	30	30	Nor.	Manz Line	Lyttleton, N. Z.	Montreal, Canada	General	4,004
Benwood	30	1	Nor.	Fern Line	Manila, P. I.	Baltimore, Md.	Sugar, gen.	7,225
Woodcock <sup>4</sup>	30	2	Amer.	Continental Grain Co.	Pt. Albern, B. C.	Garston, England	Grain, lum.	6,200
Chisone <sup>2</sup>	30	2	Ital.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	Tow. barge.	
Sessa	30	1	Dan.	Italian Line	Vancouver, B. C.	Trieste, Italy	General	6,548
American Robin	1	1	Amer.	Wessel, Duval & Co.	San Antonio, Chile	New York, N. Y.	General	2,550
Bronxville <sup>2</sup>	1	1	Brit.	Amer.-For. S. S. Corp.	Pt. Angeles, Wash.	New York, N. Y.	Lumber	6,879
Dolius <sup>2</sup>	1	1	Nor.	Fern Line	Legaspi, P. I.	Philadelphia, Pa.	Ore, gen.	7,523
Sea Thrush	1	1	Brit.	Alfred Holt & Co.	Kamchatka, Sib.	Liverpool, Eng.	General	7,100
Augsburg	1	2	Amer.	Shepard S. S. Co.	Pt. Town'd, Wash.	Boston, Mass.	Lumber, gen.	7,263
Trois Ilets	1	2	Fr	North German Lloyd	Mazatlan, Mex.	New York, N. Y.	(20)	7,201
Argual	1	1	Hond.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	321
Montana <sup>1</sup>	1	1	Nor.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	869
Nankai Maru <sup>2</sup>	1	2	Jap.	Standard Oil of N. J.	Talara, Peru	Halifax, N. S.	Crude oil	10,396
Baru <sup>2</sup>	2	3	Pan.	Osaka Shosen Kaisha	Hilo, P. I.	Baltimore, Md.	Silk, gen.	5,169
Ambassador	2	2	Brit.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	99
Falsterbo <sup>2</sup>	2	2	Swed.	Anglo-Can. S. S. Co.	Crofton, B. C.	Hull, England	Lumber	7,118
Clio <sup>2</sup>	2	3	Neth.	Anglo-Can. S. S. Co.	Seattle, Wash.	Cork, Ireland	Lum., wheat	6,325
Georgian	2	2	Amer.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	General	434
F. J. Luckenbach	2	2	Amer.	Amer.-Hawaiian Line	S. Francisco, Cal.	New York, N. Y.	General	9,200
Jonar	2	2	Amer.	Luckenbach Line	Tacoma, Wash.	Mobile, Ala.	General	3,547
Orazio <sup>2</sup>	2	2	Ital.	Weyerhaeuser S.S. Co.	Everett, Wash.	Baltimore, Md.	(21)	7,349
President de Vogue <sup>1 2</sup>	2	2	Nor.	Italian Line	Valparaiso, Chile	Genoa, Italy	General	3,395
Cerigo	2	4	Ger.	Cie. des Prod. Chim.	Talara, Peru	Pt. de Bouc, Fr.	Crude oil	13,742
Taira <sup>2</sup>	1	3	Pan.	Hamburg-Amer. Line	Guayaquil, Ecua.	Cristobal, C. Z.	General	1,118
Luna <sup>2</sup>	2	3	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	50
Sona <sup>2</sup>	2	3	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(22)	5
Santore	2	3	Amer.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	30
Elbe <sup>2</sup>	2	3	Ger.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,000
Kosei Maru <sup>2</sup>	2	3	Jap.	North German Lloyd	Vancouver, B. C.	Bremen, Ger.	General	7,419
North Haven	2	3	Amer.	United Ocean Trsp. Co	Hilo, P. I.	Baltimore, Md.	(23)	9,117
Istmo	2	4	Pan.	Northland Transp. Co	Tacoma, Wash.	Boston, Mass.	Can. salmon	6,081
	2	3	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	665

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>13</sup> For orders. <sup>14</sup> Coffee, ivory nuts. <sup>15</sup> Coffee, Panama hats. <sup>16</sup> Plantains, lumber. <sup>17</sup> Sugar, canned pineapples. <sup>18</sup> Lumber, barley, general. <sup>19</sup> Manganese ore, fish meal. <sup>20</sup> Garbanzos, copra. <sup>21</sup> Lumber, pulp, grain. <sup>22</sup> Plantains, lumber. <sup>23</sup> Silk, sugar, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Firmore	3	3	Amer.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,850
Wisconsin	3	10	Fr.	French Line	Vancouver, B. C.	Havre, France	General	8,211
San Clemente	3	3	Amer.	Calif. & Eastern Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,267
Benmohr	3	3	Brit.	Anglo-Can. S. S. Co.	N. Westm'er, B. C.	Inningham, Eng.	Lumber	7,600
Dusseldorf <sup>2</sup>	3	5	Ger.	North German Lloyd	San Antonio, Chile	Hamburg, Ger.	General	5,884
Acavus <sup>1 2</sup>	3	4	Brit.	Shell Oil Co.	Los Angeles, Cal.	Lands End, <sup>14</sup>	(13)	11,320
Panaman	3	4	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	8,163
Republic <sup>3</sup>	2	5	Amer.	U. S. Army	Honolulu, T. H.	New York, N. Y.	Army stores	1,019
Modavia <sup>2</sup>	3	4	Brit.	Donaldson Bros.	Victoria, B. C.	Glasgow, Scotland	Lumber, gen.	5,491
Santa Rita <sup>2</sup>	4	4	Amer.	Grace Line	Antofagasta, Chile	New York, N. Y.	Copper, gen.	2,634
Tonsbergfjord <sup>2</sup>	4	4	Nor.	Wessel, Duval & Co.	Iquique, Chile	Jacksonville, Fla.	Nit., potash	5,560
Pennsylvania	4	5	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	8,196
Rhea <sup>1 2</sup>	4	5	Fr.	Ste. Fin. des Petroles	Talara, Peru	Dunkerque, Fr.	Crude oil	11,300
Hanover	5	5	Amer.	Lykes Bros.-Ripley	Manila, P. I.	East coast, U.S.A.	Sugar, copra	8,470
Dorothy Cahill	5	5	Amer.	Arrow Line	So. Bend, Wash.	New York, N. Y.	Lumber	6,602
Trondanger <sup>2</sup>	5	5	Nor.	Intercean S. S. Corp.	Seattle, Wash.	London, England	Grain, gen.	7,993
Real <sup>2</sup>	5	6	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	21
William Luckenbach	6	6	Amer.	Luckenbach Line	Tacoma, Wash.	Boston, Mass.	Lumber, gen.	8,834
Pereira	6	12	Pan.	Grace Line	Champ'co, Guat.	Cristobal, C. Z.	General	363
Eastern Gladye	6	6	Amer.	Postal S. S. Corp.	Aberdeen, Wash.	Pt. Newark, N. J.	Lumber	7,750
Chateau Thierry <sup>3</sup>	3	7	Amer.	U. S. Army	Balboa, C. Z.	New York, N. Y.	Army stores	27
Geisha <sup>2</sup>	6	6	Nor.	Knut Knutsen, O.A.S.	Valparaiso, Chile	Goth'burg, Swed.	General	6,762
Bereby	6	6	Brit.	Canadian Transp. Co.	Vancouver, B. C.	W. Hartle', Eng.	Lumber	5,400
Lebore	7	7	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Europa <sup>2</sup>	6	7	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den.	Lumber, gen.	8,967
Portmar	6	7	Amer.	Calmar S. S. Corp.	Pt. Angeles, Wash.	Boston, Mass.	Lumber	7,425
Boxhill	7	7	Brit.	Ship. Management Co.	Victoria, B. C.	London, England	Pulp, lumber	8,254
Levenbank <sup>2</sup>	7	7	Brit.	Queensland Govt.	Mackay, Australia	Montreal, Canada	Sugar	8,290
Point Chico	7	7	Amer.	Swayne & Hoyt	Portland, Oreg.	Panama City, Fla.	Gen., lumber	5,850
Columbia Maru <sup>2</sup>	7	7	Jap.	Mitsubishi Shoji K.	Opala, Kane'tka.	Liverpool, Eng.	(16)	7,825
Dorothy Luckenbach	7	7	Amer.	Luckenbach Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	8,793
Anna Maersk <sup>2</sup>	6	8	Dan.	Isbrandtsen Moller	Cebu, P. I.	Baltimore, Md.	(17)	6,774
Pomona	7	7	Amer.	Weyerhaeuser S.S. Co.	Everett, Wash.	Newark, N. J.	General	10,723
Yomachichi <sup>2</sup>	7	7	Amer.	Rosevelt S. S. Co.	Melbourne, Aust.	Baltimore, Md.	General	6,794
Lochgoil <sup>2</sup>	8	9	Brit.	N. Pac. Coast Line	Vancouver, B. C.	London, England	General	8,888
Charleston <sup>13</sup>	8	8	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	Cristobal, C. Z.	
Ino <sup>2</sup>	8	10	Neth.	Royal Neth. S.S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	534
Elwood <sup>1</sup>	8	9	Amer.	Shell Oil Co.	Los Angeles, Cal.	Swaren, N. J.	(18)	10,230
Carabobo <sup>2 13</sup>	7	10	Colom.	Colombian Govt.	B'ventura, Col.	Cartagena, Col.		
Durazzo	9	11	Ger.	Hamburg-Amer. Line	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	1,176
Nyugat	9	10	Hung.	Transocean Coal & Tr.	Victoria, B. C.	Garston, England	Lumber	6,050
Dagbild <sup>1 2</sup>	9	9	Nor.	Standard Oil of N. J.	Talcahuano, Chile	Newp't News, Va.	Ballast	
Nuevo Panama <sup>2</sup>	9	10	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	212
Lafocomo	10	10	Amer.	Weyerhaeuser S.S. Co.	Warrenton, Oreg.	Newark, N. J.	Lumber	7,200
Luna <sup>2</sup>	8	12	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(19)	11
Sambu <sup>2</sup>	8	10	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	15
Tuira <sup>2</sup>	9	10	Pan.	Julio Laffargue	Darien, R. P.	Cristobal, C. Z.	Bananas	44
Seelore	10	10	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,000
Arizonan	9	10	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	Gen., lumber	8,606
Arna <sup>2</sup>	9	10	Nor.	N. Negroes Sugar Co.	Iloilo, P. I.	Eastcoast, U.S.A.	Sugar	7,500
Buenos Aires <sup>2</sup>	9	10	Swed.	Johnson Line	Honolulu, T. H.	Stockholm, Swed.	Fruit, gen.	8,121
Kahuku	10	10	Amer.	Matson Nav. Co.	Kahului, T. H.	New York, N. Y.	Sugar, gen.	8,200
Port Darwin	10	10	Brit.	Mont.-Aust.-N.Z. Line	Sydney, Australia	Montreal, Canada	General	6,138
Preradovic	10	10	J.-Slav.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores, <sup>14</sup>	Nit. of soda	8,030
Benjamin Franklin <sup>2</sup>	10	10	Nor.	Fred Olsen & Co.	Vancouver, B. C.	Oslo, Norway	Fruit, gen.	9,976
Cathwood <sup>1</sup>	10	10	Amer.	Union Oil of Calif.	San Luis, Calif.	Warners, N. J.	Crude oil	9,262
Koyei Maru <sup>2</sup>	10	10	Jap.	United Ocean Trsp. Co.	Iloilo, P. I.	New York, N. Y.	Sugar, gen.	9,114

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Transport. <sup>13</sup> Gunboat. <sup>14</sup> For orders. <sup>15</sup> Benzine, kerosene. <sup>16</sup> Canned fish, crab. <sup>17</sup> Coconut oil, general. <sup>18</sup> Kerosene solvent. <sup>19</sup> Plantains, lumber.

Density of Water in Balboa and Cristobal Harbors

Place.	Weight of sea water in ounces per cubic ft.			Rainy season. Average temperature. Degrees F.
	Average.	Maximum.	Minimum.	
Cristobal (between docks 8 and 9)	1018	1020	1013	84.0
Balboa (dock 18)	1011	1021	1005	83.0

(NOTE.—The above is based on two months' observations at Cristobal and Balboa. Average taken at 12-foot depth. Minimum occurred after heavy rain at 3-foot depth at Cristobal and 12-foot depth at Balboa. The weight of a cubic foot of fresh water at 85° F. is 995 ounces.



# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.



*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXI Balboa Heights, C. Z., November 15, 1937 No. 4

## Traffic Through the Panama Canal in October 1937

The total vessels of all kinds transiting the Panama Canal during the month of October 1937, and for the same month in the two preceding years, are shown in the following tabulation:

	October 1935	October 1936	October 1937		
			Atlantic to Pacific	Pacific to Atlantic	Total
Ocean-going commercial traffic.....	441	482	240	221	461
Small commercial vessels <sup>1</sup> .....	51	43	49	33	82
Noncommercial vessels:					
United States Government.....	27	43	17	16	33
Colombian Government.....	1			1	1
For repairs.....	2	1	2		2
<b>Total.....</b>	<b>522</b>	<b>569</b>	<b>308</b>	<b>271</b>	<b>579</b>

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC<sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month for the 12 months ended October 31, 1937, as compared with the same period in the previous year:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1935-6	1936-7	1935-6	1936-7	1935-6	1936-7	1935-6	1936-7
November.....	418	368	2,165,559	1,768,738	2,050,422	1,747,368	\$1,796,820.57	\$1,488,054.25
December.....	459	341	2,382,602	1,655,501	2,187,731	1,538,503	1,997,206.74	1,366,388.58
January.....	472	399	2,411,073	1,915,787	2,148,935	1,855,937	2,018,543.52	1,598,323.51
February.....	452	377	2,322,013	1,940,611	2,155,031	1,839,788	1,952,682.73	1,602,306.30
March.....	526	536	2,714,768	2,770,451	2,634,150	3,016,418	2,293,874.51	2,355,149.04
April.....	482	473	2,483,561	2,460,549	2,430,134	2,652,880	2,079,730.70	2,067,026.68
May.....	488	544	2,504,215	2,839,127	2,419,652	2,950,925	2,081,103.73	2,376,706.36
June.....	481	472	2,449,127	2,450,018	2,459,752	2,670,466	2,073,359.39	2,070,337.89
July.....	456	457	2,364,539	2,395,306	2,450,324	2,476,366	1,999,105.18	2,029,642.45
August.....	473	505	2,398,306	2,597,119	2,396,331	2,780,603	2,051,540.28	2,195,308.87
September.....	466	444	2,428,317	2,312,725	2,526,366	2,385,142	2,045,440.82	1,935,673.78
October.....	482	461	2,499,678	2,359,406	2,463,069	2,438,788	2,081,758.23	1,981,087.87
<b>Total... ..</b>	<b>5,655</b>	<b>5,377</b>	<b>29,123,758</b>	<b>27,465,338</b>	<b>28,321,897</b>	<b>28,353,184</b>	<b>24,471,166.40</b>	<b>23,066,005.58</b>

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## SMALL COMMERCIAL TRAFFIC

The following statement shows the number of small commercial vessels under 300 net tons measurement (Panama Canal net), which transited the Panama Canal during the month of October 1937. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	49	2,638	\$2,313.74	1,292
Pacific to Atlantic.....	33	1,704	1,856.82	2,039
<b>Total.....</b>	<b>82</b>	<b>4,342</b>	<b>4,170.56</b>	<b>3,331</b>



Traffic by Nationality of Vessels<sup>3</sup> for October 1937

Nationality	No. of transits	Panama Canal net tonnage	Tons of cargo	Nationality	No. of transits	Panama Canal net tonnage	Tons of cargo
British	98	542,820	499,491	Netherland	20	54,218	40,810
Danish	20	81,151	76,170	Norwegian	55	271,879	287,905
French	8	46,667	56,034	Panamanian	14	35,110	58,454
German	29	109,444	126,411	Swedish	9	44,706	78,240
Greek	7	29,604	20,467	United States	163	930,464	979,707
Honduran	1	1,705	869	Yugoslav	2	7,527	12,935
Hungarian	2	7,964	6,050				
Italian	5	36,023	21,996	Total	461	2,359,406	2,438,788
Japanese	2	160,124	173,249				

<sup>3</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## Traffic by Trade Routes, October 1937

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table, the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo frequently is laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route.

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	56	328,320	231,149	59	341,633	453,540
East coast United States and:						
Canada	3	13,303	5,282	2	8,350	13,658
Central America				2	6,311	8,070
South America	22	93,452	35,584	18	82,538	193,769
Balboa	1	4,963	2,269			
Hawaiian Islands	3	15,016	4,934	5	25,821	40,677
Australasia	6	40,786	42,680	2	9,574	14,544
Philippine Islands	10	65,714	48,486	18	105,525	136,410
Far East	29	152,969	197,394	3	18,777	18,037
Canadian intercoastal	3	12,811	9,868			
East coast Canada and:						
United States	1	5,956				
South America				4	24,006	50,167
Australasia	3	16,578	15,429	4	24,098	23,286
Far East	1	6,560	7,467			
East coast Central America and:						
South America				1	4,069	
Australasia	2	9,329	15,442			
South American intercoastal	4	6,907	6,411			
East coast South America and:						
United States	1	4,723	1,287	1	5,026	7,338
Canada	1	5,007	2,743			
Far East	2	12,697	9,409			
Cristobal and:						
Central America	4	3,727	3,020	4	3,727	1,136
South America	13	7,488	2,853	16	10,255	11,624
West Indies and:						
United States	3	16,164		3	14,695	28,705
Canada	2	7,735				
South America	2	13,429	28,059			
Balboa	2	12,598	17,840	1	4,963	2,344
Far East	1	6,326	12,461			
Europe and:						
United States	9	32,338		7	38,736	55,161
Canada	25	147,638	71,430	34	178,023	238,518
South America	22	121,400	46,809	22	118,918	179,684
Hawaiian Islands				1	5,672	8,121
Australasia	5	48,080	30,778	7	55,531	49,471
Far East	1	5,792	5,082	3	14,218	22,429
Africa and Canada				1	4,227	6,234
Asia and United States				1	2,881	2,158
Egypt and South America				1	3,296	6,475
Around the world	2	18,505	5,908	1	6,523	7,158
Foreign vessels in ballast (United States intercoastal)	1	5,702				
Total	240	1,242,013	860,074	221	1,117,393	1,578,714

**Origin and Destination of Cargo by Major Areas, October 1937**

The following table summarizes the origin of cargo passing through the Canal in October 1937, and its destination by major geographical trade areas:

**ATLANTIC TO PACIFIC**

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States .....	234,845	15,371	243,213	34,774	42,680	570,883
Other North America .....	4,127	29,414	15,150	35,721	30,871	115,283
Europe .....	44,679	24,180	5,082	43,600	30,778	148,319
Miscellaneous .....	6,217	275	13,677	5,420		25,589
<b>Total .....</b>	<b>289,868</b>	<b>69,240</b>	<b>277,122</b>	<b>119,515</b>	<b>104,329</b>	<b>860,074</b>

**PACIFIC TO ATLANTIC**

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States .....	445,342	39,954	166,945	14,446	666,687
Canada .....	13,658	856	129,990	6,479	150,983
Other North America .....	46,765	5,560	3,315		55,640
South America .....	191,365	64,857	178,993	6,504	441,719
Australasia .....	18,814	21,158	47,329		87,301
Asia .....	149,826	4,022	22,429	107	176,384
<b>Total .....</b>	<b>865,770</b>	<b>136,407</b>	<b>549,001</b>	<b>27,536</b>	<b>1,578,714</b>

**Principal Commodities**

Commodities which aggregated 10,000 or more tons either during October 1937, or in October 1936, are listed below:

Commodity	October		Commodity	October	
	1936	1937		1936	1937
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic</i>		
Ammonium compounds .....	11,100	3,920	Asphalt and tar .....	9,575	10,374
Asphalt and tar .....	25,625	18,115	Barley .....	20,738	25,878
Automobiles and parts .....	18,023	18,917	Beans .....	15,456	26,052
Canned goods, various .....	13,703	14,201	Borax .....	10,929	209
Cement .....	24,716	18,993	Canned goods, various .....	181,740	144,859
Chemicals .....	10,093	10,518	Coffee .....	4,443	12,445
Coal and coke .....	17,397	12,211	Cold storage (food products) <sup>4</sup> .....	17,935	16,595
Cotton, raw .....	55,782	6,948	Copra .....	10,650	21,398
Creosote .....	8,860	11,707	Flour .....	30,465	31,461
Iron and steel .....	131,750	200,471	Fruit, dried .....	57,087	45,643
Machinery .....	10,508	13,841	Fruit, fresh <sup>5</sup> .....	33,380	28,152
Manufactured goods .....	8,779	13,470	Lumber .....	313,657	284,441
Metals, various .....	15,022	53,997	Metals, various .....	52,644	59,857
Oils .....	47,022	110,041	Nitrates .....	48,431	50,979
Paper .....	42,336	31,845	Oils, mineral .....	275,601	207,768
Phosphates .....	29,876	26,878	Ores, various .....	105,678	200,081
Scrap metal .....	91,029	38,116	Paper .....	12,538	9,589
Sulphur .....	33,366	46,680	Soy beans .....	17,700	9
Tinplate .....	9,312	14,570	Sugar .....	121,943	154,738
Wood pulp .....	13,291	9,720	Wheat .....	111,177	44,123
			Wood pulp .....	15,189	39,397

<sup>4</sup> Except fresh fruit.    <sup>5</sup> Except bananas.

**Commodities in Detail**

The following statement lists all commodities passing through the Canal during the month of October 1937, as reported in the cargo declarations showing the movement by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo"; the statistics

are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes, including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts				7
Agricultural implements	1,502	131	6,397	254
Alfalfa meal		638		663
Ammonium compounds	216	232	3,920	232
Animal foods <sup>6</sup>	19	50	19	62
Apparel, wearing (hats, shoes, clothing, etc.)	57		57	1
Asbestos	176	106	560	116
Asphalt and tar	396	9,467	18,115	10,374
Automobiles (and autotrucks)	2,943	39	12,368	44
Automobile parts and accessories	503	182	6,540	192
Bamboo and products		58		773
Bags and bagging, textile	16		64	200
Bananas				2,143
Barks, miscellaneous		29	42	537
Barley		106		25,878
Beans, edible, dry		10,630	43	26,052
Beer			219	
Beverages, nonalcoholic	145	11	162	11
Blood and tankage			50	180
Bones and bone meal		18	1,111	118
Books and printed matter		150	19	150
Borax		1,068	209	9,537
Bran and pollards			26	2,631
Bricks and tile	161		1,038	
Camphor, crude				50
Canned and preserved goods:				
Fish	767	20,223	988	40,658
Fruit	409	43,166	508	74,168
Meat	156	209	1,106	603
Milk	44	523	370	798
Soup	3,865	28	4,008	28
Vegetables	2,335	15,362	2,431	15,502
Miscellaneous and unclassified	3,064	6,792	4,790	13,102
Carbon black	27		403	
Celite		985		985
Cement	796	50	18,993	50
Chalk			537	
Charcoal	59		320	
Chemicals <sup>6</sup>	4,263	4,169	10,518	4,955
Clay, china and fire	631	565	1,395	698
Clay, filtering	484	238	2,799	238
Coal	2,421		2,520	
Cocoa and cacao beans	339	16	986	1,121
Coconuts and products <sup>6</sup>	61	1,483	178	2,429
Coffee	45	67	5,507	12,445
Coke			9,691	
Cold storage and refrigerated products:				
Dairy products	47	30	183	9,160
Eggs		50		218
Fish			79	623
Lard	406		522	52
Meats		21	221	6,461
Vegetables	121	17	122	81
Other and unclassified			15	
Confectionery	813		865	
Copra		63		21,398
Copra meal and cake				1,149
Corn			45	
Cotton, raw	136	530	6,948	8,499
Creosote	25		11,707	
Drugs and medicines	1,599	90	1,834	103
Dyes			40	6
Earthenware	18	10	55	135
Eggs, dried		31		31
Electrical apparatus and appliances	1,140	184	2,242	184
Explosives	10		992	
Extract, quebracho			200	
Enamelware and metalware	219		238	207
Fertilizers <sup>6</sup>	20	100	2,490	5,200
Fish, salted or dry-cured				184
Fish meal			1	691
Floor coverings	1,927	695	2,034	815
Flour	121	26,117	311	31,461
Fruit, dried	13	22,764	73	45,643
Fruit, dresh <sup>6</sup>	314	3,638	359	28,152
Furniture and household goods	888	35	446	42
General	20,010	7,512	50,077	15,384

<sup>6</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Glass and glassware.....	1,701	174	4,670	1,287
Glue.....	126	21	150	21
Groceries.....	1,179	450	1,561	1,054
Gums.....		176		318
Grains <sup>6</sup> .....			3,900	312
Hair, all kinds.....	175	50	240	292
Hay.....		28		53
Hemp, unmanufactured.....		187	5	2,659
Honey.....		304	97	1,039
Horns and hoofs.....			94	
Infusorial earth.....		125		257
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.).....	98,368	721	200,471	832
Ivory nuts.....			277	2,282
Jute, unmanufactured.....	59		280	
Lard substitute.....	348	10	353	10
Lime.....	50		107	
Liquors.....	3,485	668	6,117	682
Lumber (including manufactured mill products).....	1,283	142,793	3,408	284,441
Machinery.....	3,790	929	13,841	1,450
Malt.....			86	
Manufactured goods <sup>6</sup> .....	7,781	1,452	13,470	2,362
Marble and granite.....	54		399	
Matches.....	179	199	256	199
Metals:				
Antimony.....			36	443
Copper.....	153	2,884	3,293	33,563
Gold and silver.....				13
Iron.....	268		49,604	1,000
Lead.....	50	885	60	16,817
Tin.....	459	113	587	2,327
Zinc.....	75	4	417	5,198
Other and unclassified.....	421	4	594	1,496
Milk, powdered.....	18	574	42	1,168
Molasses and syrups.....	401		411	1,050
Nitrate.....			5,127	50,979
Nuts, edible (including meats).....	122	1,077	316	2,111
Oats.....	99	173	100	2,482
Oils, mineral:				
Crude.....		10,062	333	115,249
Gas and fuel.....		20	58,381	8,386
Gasoline, benzine, and naphtha.....		29,754	21,628	57,107
Kerosene.....	18	18,610	2,012	26,058
Lubricating and greases.....	6,144	478	27,611	916
Other and unclassified.....	76		76	52
Oils, vegetable:				
Coconut.....			15	10,028
Cottonseed.....	170		236	29
Linseed.....	544		639	
Olive.....		87	160	87
Peanut.....	15		15	
Rapeseed.....				221
Teaseed.....				39
Wood.....	41	24	55	683
Other and unclassified.....	30		229	3,191
Oil, fish.....		1	86	299
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.).....		47	301	3,435
Oilseed cake and meal.....	472		472	5,696
Ores:				
Antimony.....			56	279
Chrome.....	57			18,939
Copper.....			1,289	3,814
Gold and silver.....			1,900	2,184
Iron.....			336	158,460
Lead.....		457		3,805
Magnesite.....				457
Manganese.....	20		23	6,531
Tin.....		84	52	1,734
Zinc.....	45		95	3,399
Other and unclassified.....	36	60	147	479
Paints and varnishes.....	1,221	102	2,362	169
Paper and paper products <sup>6</sup> .....	9,584	7,911	31,845	9,589
Peanuts.....	314		314	7
Peas, dry.....		495		1,052
Peatmoss.....			951	
Phosphates.....	382	41	26,878	41
Porcelainware.....	366	101	1,842	3,554
Potash.....	34	3,892	4,225	3,892
Pyrethrum flowers.....				928
Rags and waste.....	80	109	556	1,724
Railroad material.....	1,161		4,294	
Rice.....	242		385	5,329

<sup>6</sup> Except as otherwise classified.



Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Rope and twine.....	130	17	130	40
Rosin.....	433		1,404	3
Rubber:				
Manufactured.....	987	238	1,466	504
Raw.....		28	1	4,365
Scrap.....			240	91
Salt.....	130	191	4,126	191
Sand.....	50		6,814	875
Scrap metal.....	225	94	38,116	711
Seeds (except oilseeds).....	100	557	378	1,292
Shells, oyster.....	161		731	170
Silk, raw.....		160	72	2,187
Skins and hides.....		929	703	3,921
Slag.....			800	
Slate.....	1,130		1,130	
Soaps and products.....	1,498	98	1,598	181
Soda and sodium compounds:				
Soda ash.....	965		2,216	450
Soda, caustic.....	175		1,868	
Miscellaneous and unclassified.....	323		2,200	8,616
Soy beans.....	22		24	9
Sugar.....	20	6,712	36	154,738
Sulphur.....	27,845		46,680	351
Talc.....	38	242	53	372
Tallow.....	104	565	172	1,936
Tea.....	49	126	489	2,601
Textiles.....	2,967	65	8,023	3,503
Tinplate.....	1,152	186	14,570	211
Tobacco and manufactures.....	218	54	3,226	251
Toilet preparations.....	375	20	428	23
Turpentine.....	199		645	
Vegetables, dry <sup>6</sup> .....		3	758	61
Wall board.....	175		577	1,206
Wax, paraffin.....	114		652	48
Wheat.....		2,961	7,920	44,123
Wines.....	245	1,847	716	2,977
Wood pulp.....	60	24,026	9,720	39,397
Wool.....	29	1,208	52	4,407
Total, October 1937.....	234,845	445,342	860,074	1,578,714
Total, October 1936.....	214,618	530,923	796,094	1,666,975
Total, October 1935.....	226,418	494,973	684,515	1,544,021

<sup>6</sup> Except as otherwise classified.<sup>7</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade route, the tanker traffic through the Canal during the month of October 1937:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	3	20,113		7	35,561	<sup>9</sup> 67,025
East coast United States and:						
South America.....	1	4,150		1	6,730	
Balboa.....	1	4,963	2,269			
Far East.....	1	7,503	13,201			
East coast Canada and South America				4	24,006	50,167
East coast Central American and South America.....				1	4,069	
South American intercoastal.....	1	4,455	3,958			
West Indies and:						
United States.....	3	16,164		3	14,695	28,705
Balboa.....	2	12,598	17,840	1	4,963	2,344
South America.....	2	13,429	28,059			
Far East.....	1	6,326	12,461			
Europe and:						
United States.....	5	20,608		1	5,994	11,320
Canada.....	1	5,695	<sup>8</sup> 11,672			
South America.....	2	9,842		5	27,514	54,955
Total.....	23	125,846	89,460	23	123,532	214,516

<sup>8</sup> Creosote. <sup>9</sup> Includes 9,412 tons of petrolastic asphalt.

## Comparison of Canal Traffic in October 1937, with October Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of October			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1914	83	(000 omitted) <sup>10</sup> 322	(000 omitted) 425	1915	<sup>11</sup> 100	(000 omitted) <sup>d</sup>	(000 omitted)
1915				1916	60	361	465
1916	151	482	617	1917	145	199	258
1917	164	522	600	1918	165	483	588
1918	181	552	657	1919	162	547	627
1919	191	670	705	1920	199	510	576
1920	226	934	991	1921	232	712	781
1921	249	1,069	985	1922	222	950	966
1922	291	1,310	1,446	1923	325	951	907
1923	420	2,139	2,127	1924	429	1,550	1,631
1924	383	1,923	2,018	1925	382	2,179	2,249
1925	406	1,955	2,009	1926	424	1,904	1,996
1926	435	2,124	2,374	1927	441	2,064	2,169
1927	551	2,584	2,716	1928	521	2,184	2,311
1928	543	2,514	2,581	1929	524	2,453	2,468
1929	554	2,747	2,844	1930	502	2,485	2,554
1930	506	2,583	2,393	1931	447	2,497	2,502
1931	384	2,081	1,768	1932	447	2,314	2,089
1932	367	1,987	1,581	1933	364	1,968	1,650
1933	433	2,414	2,124	1934	347	1,900	1,513
1934	467	2,516	2,173	1935	436	2,379	2,059
1935	441	2,358	2,229	1936	432	2,317	2,109
1936	482	2,500	2,463	1937	449	2,335	2,209
1937	461	2,359	2,439	( <sup>12</sup> )	467	2,421	2,531
					467	2,404	2,507

<sup>10</sup> Canal opened August 15, 1914. <sup>11</sup> Average for 10½ months. <sup>12</sup> Average 10 months of calendar year 1937.

### Terminal Activities

Ships repaired during the month of October 1937, numbered 56. Vessels released from drydock numbered 13. Fuel oil in the quantity of 246,459 barrels was delivered as bunkers to 120 commercial ships. Bunker coal amounting to 6,898 tons was delivered to 22 commercial ships. Sales of commissary supplies to ships aggregated \$54,529.67.

### Cargo Handled at Terminal Ports

		Cristobal	Balboa	Total
Local cargo arriving	tons	21,037	10,126	31,163
Local cargo shipped	tons	2,598	4,194	6,792
Cargo received for transshipment	tons	44,527	1,544	46,071
Cargo transhipped	tons	45,609	590	46,199
"Canal Zone for Orders" cargo:				
Number of receipts issued		10	4	14
Number of releases issued		43	17	60
Tons received		47	20	67
Tons withdrawn		35	10	45

### All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal.	543	3,134,065	1,879,072	514	2,923,639	1,750,865
Vessels entering port but not transiting Canal.	61	313,671	180,601	16	74,055	43,848
Vessels transiting Canal and handling passengers and cargo at terminal ports.	113	715,388	416,021	109	760,522	442,517
<i>Ships clearing</i>						
All vessels, including those transiting Canal.	545	3,160,759	1,895,391	510	2,932,881	1,755,149
Vessels clearing port but not transiting Canal.	63	326,470	188,091	13	73,050	41,319
Vessels transiting Canal and handling passengers and cargo at terminal ports.	114	722,170	420,441	109	776,536	453,531

### Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight, October 10, 1937, to midnight, November 10, 1937. Figures after names of vessels show, respectively, tons discharged and tons laden:

#### CRISTOBAL

Quirigua, 14, 222	Istmo, 723, 231	Trois Ilets, 379, 65	Kongo Maru, 351, 0	Bretagne, 209, 761
Santa Paula, 500, 2	Nuevo Panama, 0, 153	Veragua, 39, 229	Triton, 901, 0	Weser, 188, 406
Istmo, 722, 504	Indiana, 51, 575	Santa Inez, 206, 0	Calamares, 456, 430	Indien, 645, 19
Ward, 170, 0	Helder, 171, 721	Itauri, 78, 236	Aller, 568, 58	Adalia, 0, 2,163
Santa Lucia, 250, 5	Peten, 61, 183	Cordillera, 0, 625	Loriga, 464, 0	Ulua, 709, 448
President Lincoln, 168, 0	Counsellor, 198, 46	Leme, 127, 172	Salvador, 0, 895	Saarland, 189, 364
Losada, 65, 27	Cordillera, 156, 32	Simon Bolivar, 187, 5	Loriga, 0, 12	Clio, 347, 327
San Rafael, 490, 36	Fulda, 66, 163	Santa Elena, 704, 24	Simon Bolivar, 0, 1,435	Durazzo, 1,286, 611
Winnipeg, 1,332, 174	Mayan, 251, 829	San Angelo, 295, 19	New York, 975, 0	Pastores, 97, 1,008
Trois Ilets, 369, 120	Santa Maria, 325, 39	Louisiana, 272, 421	Quirigua, 46, 419	Goslar, 692, 0
Este, 351, 519	Port Antonio, 60, 567	Cefalu, 421, 568	Custodian, 408, 8	Peten, 42, 520
Cefalu, 329, 645	San Gabriel, 636, 0	Ino, 385, 49	Surrey, 518, 0	Commissaire Ramel, 0, 14
Acajutla, 294, 638	Contessa, 211, 408	Lauritz Swenson, 23, 279	Oropesa, 107, 0	Mantilla, 3,476, 0
Ammon, 0, 222	Oakland, 162, 217	Real, 0, 36	Trois Ilets, 379, 0	Santa Rosa, 797, 32
Kiyosumi Maru, 652, 0	D. L. Harper, 6,971, 0	Sona, 0, 31	Santa Clara, 334, 3	Wyoming, 306, 212
Virgilio, 159, 158	Pasajero, 23, 3	Salvador, 250, 0	Amerika, 6, 109	Trois Ilets, 379, 0
Colombie, 88, 1,775	Sona, 0, 53	Dresden, 63, 73	Contessa, 719, 610	Ino, 636, 0
Cristobal, 3,749, 958	Orbita, 47, 481	Roda, 208, 124	Istmo, 722, 208	Camden, 1,064, 0
Santa Barbara, 225, 1	Turrialba, 186, 0	Abraham Lincoln, 191, 136	Pereira, 650, 1,295	Santa Barbara, 424, 8
Frederic R. Kellogg, 1,281, 0	Lochmonar, 176, 37	Vinni, 1,743, 0	Orduna, 29, 714	Nurnberg, 129, 192
Patricia, 11, 950	Hoysanger, 1, 0	Balboa, 0, 210	Oregon, 159, 345	Annie Johnson, 89, 5
Taketoyo Maru, 322, 0	Nako Maru, 590, 0	Damsterdijk, 147, 44	Lysefjord, 15, 401	Laguna, 1, 105
Peten, 129, 9	Steel Worker, 301, 0	Ancon, 3,372, 933	Santa Maria, 320, 2	Schwaben, 574, 316
Sagua, 222, 0	Ino, 619, 47	Nordstjernen, 115, 0	Canada, 0, 226	Cefalu, 372, 730
Santa Rosa, 115, 67	Veragua, 31, 7	Zacapa, 252, 0	Sanyo Maru, 1,077, 84	Virgilio, 7, 209
Stella Lykes, 483, 440	Metapan, 778, 173	Santa Lucia, 100, 10	Darien, 212, 0	Yamazato Maru, 800, 36
Osnabruck, 66, 47	Buenaventura, 1,405, 611	Quirigua, 23, 10	San Bruno, 847, 0	Crynsen, 116, 1
Hermontis, 49, 22	San Francisco, 118, 0	Sixola, 354, 461	Passajero, 0, 29	Real, 0, 31
D. G. Scofield, 11,442, 0	Haiti, 63, 1,362	Genevieve Lykes, 521, 246	San Anselmo, 168, 39	Sambu, 0, 41
Santa Marta, 566, 383	Tolosa, 415, 498	Santa Paula, 350, 205	Guayaquil, 1,520, 520	Acajutla, 727, 0
Clio, 257, 467	West Camargo, 149, 0	Portland, 459, 113	President Pierce, 0, 1	Nebraska, 250, 254
Colombia, 90, 1,244	Ardevohr, 16, 0	Clio, 667, 113	Peten, 31, 29	Munchen, 41, 1,018
Ulua, 334, 402	Tacoma, 229, 613	Manizales, 0, 253	Tivives, 395, 115	Istmo, 752, 0
Costa Rica, 0, 736	Cali, 857, 356	Cerigo, 1,247, 324	Drechtijk, 95, 93	
Manizales, 1,187, 0	Istmo, 722, 133	Barneveld, 243, 562	Santos Maru, 0, 156	
Durazzo, 1,114, 548	Chineha, 114, 0		Benedick, 11,245, 0	

#### BALBOA

Santa Paula, 210, 1	Charcas, 0, 21	Santa Elena, 191, 10	Antares, 9, 0	President Pierce, 13, 0
Santa Lucia, 36, 0	Santa Maria, 9, 0	Santa Inez, 9, 0	Santa Lucia, 0, 7	Cathwood, 9,740, 0
Ward, 73, 0	D. L. Harper, 8,426, 0	Akaroa, 46, 0	Fisherman II, 240, 0	Chiriqui, 635, 22
Rangitane, 93, 0	Pennsylvania, 30, 124	Salvador, 1, 0	Warwick, 212, 0	Santa Rosa, 240, 0
Pereira, 0, 10	Santa Rita, 187, 42	Cuba Maru, 52, 0	Santa Paula, 2, 40	Nurnberg, 97, 0
Este, 453, 0	President Polk, 20, 0	Nyhorn, 1,970, 0	Portland, 117, 245	Pereira, 0, 46
Santa Barbara, 179, 16	Leme, 487, 0	Republic, 470, 15	Clio, 0, 2	Santa Barbara, 83, 176
Iocoma, 369, 0	Samuel Bakke, 55, 0	Louisianan, 2, 0	Manizales, 0, 136	Meton, 10,246, 0
Santa Rosa, 22, 0	Hoegh Hood, 11,608, 0	Damsterdijk, 0, 130	Antigua, 684, 48	Oliver Olsen, 3,142, 0
Vega, 150, 26	Sirius, 15, 0	Nailsea Meadow, 132, 1	Santa Clara, 17, 0	
Chiriqui, 611, 36	Talamanca, 647, 44	Triton, 509, 0	Santa Maria, 115, 25	

NOTE.—Figures shown represent short tons of 2,000 pounds.

#### Passengers

Ocean-ship passengers disembarking at Cristobal numbered 2,409; embarking 2,550; at Balboa, 1,419 disembarking and 1,254 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 5,795, from the Pacific to the Atlantic, 3,658. Aircraft numbering 53 entered Cristobal, and 224 passengers disembarked; clearances were 52, with 184 passengers embarking; at Balboa entries of aircraft were 64, with 120 disembarking; clearances, 64, with 97 passengers embarking.

### Largest Ship Repair Job Completed in October by Mechanical Division on S. S. "Bennekom"

Repairs to the S. S. *Bennekom*, the largest repair job ever undertaken by the Mechanical Division of The Panama Canal, were completed on October 20, 1937. This vessel, which had been aground on Negrilla Rocks near Buenaventura, Colombia, was floated on June 30 and towed to Balboa for drydocking, arriving July 2. It was in drydock from July 3 to 12 for temporary repairs, to permit removal of salvage equipment, and examination. Cargo and fuel oil were removed. It was again drydocked from July 19 to October 11 for permanent repairs which were completed on October 20.

## Movements of Ocean Vessels Through the Panama Canal

From midnight October 10, 1937, to midnight November 10, 1937

## ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Washington <sup>2</sup>	10	11	Fr.	French Line	Antwerp, Belgium	Vancouver, B. C.	(16)	7,482
Durazzo	9	11	Ger.	Hamburg-Amer. Line	Cristobal, C. Z.	B'ventura, Col.	General	101
Chickasaw City	11	11	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Osaka, Japan	Steel	8,017
Albion Star	11	11	Brit.	Blue Star Line	Liverpool, Eng.	Vancouver, B. C.	Ballast	
Katsuragi Maru <sup>2</sup>	11	11	Jap.	Kokusai Kisen Kaisha	St. John, N. B.	Moji, Japan	Gen. steel	7,467
Nebraskan	12	12	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	1,978
Flomar	12	12	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,977
Istmo	11	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	220
Olympia Maru <sup>2</sup>	12	12	Jap.	Mitsubishi Shoji K.	Pt. Tampa, Fla.	Yokohama, Japan	Phos. rock	8,367
Pereira	12	12	Pan.	Grace Line	Cristobal, C. Z.	Cham'ico, Guat.	General	859
San Rafael	12	13	Amer.	Quaker Line	New York, N. Y.	Seattle, Wash.	General	4,286
Baru <sup>2</sup>	12	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Este	12	14	Ger.	North German Lloyd	Bremen, Germany	Portland, Oreg.	General	7,254
Mobiloil <sup>1</sup>	12	13	Amer.	Socony Vac. Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Csikos	13	13	Hung.	Chile Nit. Sales Corp.	Cardiff, England	Iquique, Chile	Ballast	
Borgestad <sup>2</sup>	13	13	Nor.	Anglo-Can. S. S. Co.	Sorel, Canada	Vancouver, B. C.	Ballast	
Trois Ilets	12	13	Fr.	French Line	Cristobal, C. Z.	Manta, Ecuador	General	114
Sambu <sup>2</sup>	12	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona <sup>2</sup>	12	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Luna <sup>2</sup>	12	13	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
President Taft	14	15	Amer.	Dollar Line	New York, N. Y.	Manila, P. I.	General	4,111
Virgilio <sup>2</sup>	13	14	Ital.	Societa Italia	Genoa, Italy	Valparaiso, Chile	General	925
Thalatta <sup>2</sup>	13	14	Nor.	Polarus S. S. Co.	Philadelphia, Pa.	Yokohama, Japan	Pig iron	8,944
Behore	13	14	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Robert Luckenbach	14	14	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	4,600
Edwin Christenson	14	14	Amer.	Sudden & Christenson	Baltimore, Md.	Seattle, Wash.	General	2,978
Athenic	14	14	Brit.	K. K. K. Line	Tampa, Fla.	Yokohama, Japan	Phosphate	8,142
Fairfield City	14	14	Amer.	Isthmian S. S. Lines	New York, N. Y.	Hongkong, China	General	7,685
Miss C. B. <sup>3</sup>	14	15	Brit.	I. D. Hunter	Tampa, Fla.	Tumaco, Colom.	Machinery	35
Santa Barbara <sup>2</sup>	14	15	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile	General	2,527
Point Estero	14	14	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	General	6,424
Maimoa	14	14	Brit.	Shaw, Savill & Albion	Glasgow, Scotland	Dunedin, N. Z.	Gen., explos.	5,506
Lt. Col. H. C. Schumm <sup>4</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow, barge.	
Kiyokawa Maru <sup>2</sup>	14	14	Jap.	Kawasaki Kisen K.	New York, N. Y.	Moji, Japan	Steel, gen.	5,690
Azumasan Maru <sup>2</sup>	14	14	Jap.	Mitsui Bussan Kaisha	New York, N. Y.	Moji, Japan	Iron, steel	6,927
Charleston <sup>12</sup>	8		Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Frederic R. Kellogg <sup>1</sup>	14		Amer.	Standard Oil of N. J.	Baton Rouge, La.	Balboa, C. Z.	(17)	7,992
Gretavale	14	15	Brit.	Chile Nit. Sales Corp.	Norfolk, Va.	Tocepilla, Chile.	Ballast	
Trontolite <sup>1</sup>	14	15	Brit.	Imperial Oil Co.	Barranquilla, Col.	B'ventura, Col.	Gasoline	3,958
Asosan Maru <sup>2</sup>	15	15	Jap.	Mitsui & Co.	Baltimore, Md.	Yokohama, Japan	Oil, mach'y.	7,192
Tamaroa	15	16	Brit.	Shaw, Savill & Albion	London, England	Pt. Chalmers, N. Z.	General	3,480
Tozan Maru	15	15	Jap.	Mitsui Line	Norfolk, Va.	Dairen, China	Steel, nitrate	5,652
Osnabruck <sup>2</sup>	15	15	Ger.	North German Lloyd	Hamburg, Ger.	Valparaiso, Chile	General	5,948
Santa Rosa	15	16	Amer.	Grace Line	New York, N. Y.	S. Francisco, Cal.	General	2,597
Hopear	15	15	Brit.	Chile Nit. Sales Corp.	Hamburg, Ger.	Chile	Ballast	
Vega <sup>15</sup>	14	18	Amer.	U. S. Navy	Norfolk, Va.	Bremerton, Wash.	General	3,114
Port Wellington	15	16	Brit.	Port Line, Ltd	Glasgow, Scotland	Brisbane, Aust.	General	7,468
Victor Ross <sup>1</sup>	15	16	Pan.	Standard Oil of N. J.	Aruba, N. W. I.	Iquique, Chile	Fuel oil	17,280
Welsh City	16	16	Brit.	Mitsubishi Kaisha	Everglades, Fla.	Yawata, Japan	Metal scrap	8,603
Bouvet <sup>14</sup>	16	16	Brit.	Chr. Salvesen & Co.	Greenock, Eng.	Antarctic	Ballast	
Sukha <sup>14</sup>	16	16	Brit.	Chr. Salvesen & Co.	Greenock, Eng.	Antarctic	Ballast	
Tweedbank <sup>2</sup>	16	16	Brit.	Bank Line, Ltd	Boston, Mass.	Shanghai, China	General	4,860
Teal <sup>10</sup>			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Helga	16	16	Dan.	Wessel, Duval & Co.	New York, N. Y.	Talcahuano, Chile	General	1,708
Hav <sup>14</sup>	16	16	Brit.	Sevilla Whaling Co.	Greenock, Eng.	Antarctic	Ballast	
Sabra <sup>14</sup>	16	16	Brit.	Chr. Salvesen & Co.	Greenock, Eng.	Antarctic	Ballast	
Satsa <sup>14</sup>	16	16	Brit.	Sevilla Whaling Co.	Greenock, Eng.	Antarctic	Ballast	
Sarna <sup>14</sup>	16	17	Brit.	South Georgia Co.	Grange 'th, Eng.	Antarctic	Ballast	
Sourabaya <sup>15</sup>	16	17	Brit.	Chr. Salvesen & Co.	Rotterdam, Neth.	Antarctic	Supplies	8,900
Montanan	16	16	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	3,807
Shusa <sup>14</sup>			Brit.	Chr. Salvesen & Co.	Grange 'th, Eng.	Antarctic	Ballast	
Sluga <sup>14</sup>			Brit.	Chr. Salvesen & Co.	Grange 'th, Eng.	Antarctic	Ballast	
Stensby <sup>2</sup>	16	16	Dan.	Anglo-Can. S. S. Co.	Copenhagen, Den.	Vancouver, B. C.	Ballast	
Hamlin F. McCormick	16	16	Amer.	McCormick S. S. Co.	Galveston, Tex.	Portland, Oreg.	Sulphur	4,343
D. G. Scofield <sup>1</sup>	15	16	Amer.	Standard Oil of Calif.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
Clio <sup>2</sup>	15	16	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	424
Winslow <sup>5</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow, barge.	
Steel Mariner	16	17	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Hilo, T. H.	Steel, gen.	1,667
Baru <sup>2</sup>	16	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Panama, R. P.	Ballast	
Calmar	16	17	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	8,170

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>12</sup> Cruiser. <sup>13</sup> Cargo ship. <sup>14</sup> Whaler. <sup>15</sup> Whaling factory. <sup>16</sup> General, sand, coke. <sup>17</sup> Gasoline, kerosene.



## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Washington	17	17	Amer.	Weyerhaeuser S. S. Co	New York, N. Y.	Seattle, Wash.	Steel, gen.	3,315
Tuscaloosa City	17	17	Amer.	Isthmian S. S. Lines.	Portland, Me.	Seattle, Wash.	General.	5,485
Parthenia	17	17	Brit.	Donaldson Brothers.	Glasgow, Scot.	N. Westm'r, B. C.	General.	1,178
Salamaua <sup>2</sup>	17	18	Brit.	Sulphur Export Corp.	Galveston, Tex.	N. Plym'th, N. Z.	Sulphur.	7,674
Tuira	16	16	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu <sup>2</sup>	16	16	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Moffett <sup>9</sup>	18	20	Amer.	U. S. Navy.	Norfolk, Va.	San Diego, Calif.	Ballast	
Port Hunter	17	18	Brit.	Port Line.	London, England	Wellington, N. Z.	General	7,889
Liberty Glo	17	18	Amer.	McCormick S. S. Co.	Baltimore, Md.	Tacoma, Wash.	General.	4,620
Uffington Court	18	18	Brit.	Chile. Nit. Sales Corp.	Galveston, Tex.	Callao, Peru.	Wheat.	7,748
Mount Parnes.	18	18	Greek.	Canadian Transp. Co.	Kingston, Jam.	Vancouver, B. C.	Ballast	
Nuevo Panama <sup>2</sup>	17	18	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General.	253
Indiana	17	18	Fr.	French Line.	Antwerp, Belgium	Valparaiso, Chile.	Steel, iron.	3,920
Helder	17	18	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General.	4,727
Istmo	17	18	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	300
City of Delhi	18	19	Brit.	Ellerman & Bucknall.	Montreal, Canada	Adelaide, Aust'lia	General.	6,300
Langlebrook	18	20	Brit.	Polaris S. S. Co.	Philadelphia, Pa.	Kobe, Japan	Pig iron	7,172
Durazzo	16	19	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecu.	General.	432
Indianan	19	19	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General.	3,840
Acajutla	12	20	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champico, Guat.	General.	637
Pat Doheny <sup>1</sup>	19	20	Amer.	Richfield Oil of Calif.	New York, N. Y.	Los Angeles, Cal.	Ballast	
City of Manila	19	19	Brit.	Amer.-Australian Line	New York, N. Y.	Sydney, Aust'lia	General.	5,092
Kwansai Maru <sup>2</sup>	19	19	Jap.	Osaka Shosen Kaisha.	Portland, Me.	Kobe, Japan	General.	6,781
Porto Bello <sup>3</sup>	19	19	Pan.	A. Tagaropoulos.	Cristobal, C. Z.	Real, R. P.	General.	5
Craven <sup>9</sup>	18	20	Amer.	U. S. Navy.	Boston, Mass.	Guayaquil, Ecu.	Ballast	
San Gabriel	19	20	Amer.	Pacific-Atl. S. S. Co.	Philadelphia, Pa.	Tacoma, Wash.	General.	2,678
Nevadan	20	20	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General.	2,329
D. L. Harper <sup>1 2</sup>	20	21	Pan.	W. Tankshoff Rhed'.	Aruba, N. W. I.	Talara, Peru	Fuel oil.	8,425
Real <sup>2</sup>	19	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Panama, R. P.	Ballast	
Sona <sup>2</sup>	19	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Panama, R. P.	Gasoline	40
No. 5622 <sup>13</sup>	20	20	Pan.	Maria Menchan.	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Celtic Monarch.	20	21	Brit.	Canadian Transp. Co.	Montreal, Canada	Vancouver, B. C.	( <sup>15</sup> )	4,208
Luceric	20	21	Brit.	Chile. Nit. Sales Corp.	Norfolk, Va.	Toconilla, Chile.	Ballast	
Hoyanger <sup>2</sup>	21	21	Nor.	Westfal, Larsen & Co.	BuenosAires, Arg.	Vancouver, B. C.	General.	1,288
Orbita	20	22	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile.	General.	2,001
Pennsylvania	22	23	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.	2,382
Steel Worker	21	22	Amer.	Isthmian S. S. Lines.	Mobile, Ala.	Seattle, Wash.	Gen., steel	7,052
Madrono <sup>1</sup>	21	22	Nor.	H. P. Drewry.	Baltimore, Md.	LaLibertad, Ecu.	Ballast.	
Sidney M. Hauptman.	22	22	Amer.	McCormick S. S. Co.	Galveston, Tex.	Portland, Ore.	Sulphur.	9,000
Katrine Maersk <sup>1 2</sup>	22	22	Dan.	Shell Oil Co.	Lisbon, Portugal.	Los Angeles, Cal.	Ballast	
Shiraha Maru	21	22	Jap.	Mitsubishi Shoji K.	Pt. Tampa, Fla.	Yokohama, Japan	Phos. rock	7,745
Ino <sup>2</sup>	21	22	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	43
Thurland Castle <sup>2</sup>	22	22	Brit.	Barber Line.	New York, N. Y.	Hongkong, China	General.	1,700
Noto Maru <sup>2</sup>	22	22	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Kobe, Japan	( <sup>16</sup> )	7,023
Enoch <sup>2</sup>	22	22	Pan.	E. J. Hooper.	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>		25
J-52 <sup>2</sup>	18	18	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Rio Gatun <sup>9</sup>	18	23	Pan.	Juan Diez.	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Santa Rita <sup>2</sup>	22	23	Amer.	Grace Line.	New York, N. Y.	Antofagasta, Chile	General.	2,160
St. Cuthbert <sup>2</sup>	21	23	Brit.	Warren Transp. Co.	Pto. Cabezas, Nic.	Corinto, Nic.	Iron, steel.	327
President Polk	23	23	Amer.	Dollar Line.	New York, N. Y.	S. Francisco, Cal.	General.	3,485
El Aleto <sup>1 2</sup>	22	23	Brit.	C. T. Bowring & Co.	Ellesmere, Eng.	Cabo Bl'co, Peru.	Ballast	
Columbian	23	23	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Ore.	General.	2,635
Horace Luckenbach.	23	23	Amer.	Luckenbach Line.	Boston, Mass.	Seattle, Wash.	General.	3,469
San Francisco	23	23	Fr.	French Line.	Havre, France.	Vancouver, B. C.	General.	5,910
West Camargo	23	24	Amer.	McCormick S. S. Co.	BuenosAires, Arg.	Seattle, Wash.	General.	2,743
Akagi Maru <sup>2</sup>	23	24	Jap.	Nippon Yusen Kaisha	Rotterdam, Neth.	Kobe, Japan	General.	5,082
Napier Star	24	24	Brit.	Blue Star Line	Liverpool, Eng.	New Zealand.	General.	8,800
British Columbia Express. <sup>2</sup>	24	24	Nor.	Fruit Express Line.	Havre, France.	Vancouver, B. C.	Ballast	
Losmar	24	24	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	6,367
Wind <sup>2</sup>	24	26	Nor.	Mitsubishi Shoji K.	Moji, Japan	Scrap iron.		7,240
Sysla <sup>1 2</sup>	24	24	Nor.	Eagle Oil Co.	Grangem'th, Eng.	Los Angeles, Cal.	Ballast	
Point Judith	24	24	Amer.	Swayne & Hoyt.	Beaumont, Tex.	Seattle, Wash.	General.	5,563
Vancouver City <sup>2</sup>	24	24	Brit.	Reardon-Smith Line.	Mobile, Ala.	Kobe, Japan	General.	8,579
African Reefer <sup>2</sup>	24	24	Dan.	J. Lauritzen.	Hamburg, Ger.	Seattle, Wash.	Ballast	
Tuira <sup>2</sup>	23	23	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tacoma	23	25	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B. C.	( <sup>17</sup> )	7,102
Pacific President <sup>2</sup>	24	25	Brit.	Furness, Withy & Co.	Glasgow, Scot.	Vancouver, B. C.	General.	1,360
Mathew Luckenbach.	24	25	Amer.	Luckenbach Line.	New Orleans, La.	Seattle, Wash.	General.	6,953
Mauna Loa	25	25	Amer.	Matson Nav. Co.	New York, N. Y.	Honolulu, T. H.	Gen., steel.	1,341
Hamakua	25	25	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Tacoma, Wash.	Steel, gen.	4,834
Istmo	24	25	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Tumaco, Colom.	General.	250
Cali	23	25	Ger.	North German Lloyd.	Cristobal, C. Z.	Guayaquil, Ecu.	General.	322

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Destroyer. <sup>6</sup> Cayuco. <sup>7</sup> For bananas and return to Cristobal. <sup>8</sup> General and concentrates. <sup>9</sup> Steel, general, lubricating oil. <sup>10</sup> General, iron, steel, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Mayan	18	25	Amer.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	785
Itauri	25	25	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Valparaiso, Chile	General	4,617
City of Hankow	25	26	Brit.	Ellerman-Hall Line	Pualsboro, N. J.	Brisbane, Aust.	General	6,909
Glorian <sup>5</sup>	20		Amer.	D. S. Richart	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Flo <sup>3</sup>	20		Pan.	W. L. Stilson	Cristobal, C. Z.	Gatun, C. Z.	2 calves	
Cedarbank <sup>2</sup>	25	26	Brit.	Bank Line, Ltd.	Houston, Tex.	Yawata, Japan	Scrap iron	8,014
Trois Hets	24	26	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	67
Adula <sup>1 2</sup>	25	26	Brit.	Asiatic Petroleum Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
Marchen Maersk <sup>2</sup>	25	26	Dan.	A. P. Moller	Baltimore, Md.	Cebu, P. I.	General	4,719
John Bakke <sup>2</sup>	25	26	Nor.	Knutsen Line	Belfast, Ireland	Vancouver, B. C.	Ballast	
West Munham Maru	25	26	Jap.	Kawasaki Kisen K.	New Orleans, La.	Yokohama, Japan	Ballast	
California Express <sup>2</sup>	26	26	Nor.	Fruit Express Line	Dieppe, France	Seattle, Wash.	Ballast	
Kansan	26	26	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	2,009
Athelprince <sup>1 2</sup>	26	26	Brit.	Standard Oil of N. Y.	Falmouth, Eng.	China	Diesel oil	12,461
Burton E. O'Brien <sup>4</sup>	19		C. R.	Co. Bananera de C. R.	Cristobal, C. Z.	Puntarenas, C. R.	Ballast	
San Angelo	26	26	Amer.	Quaker Line	Albany, N. Y.	Seattle, Wash.	Gen., steel	4,225
Porto Bello <sup>3</sup>	26		Pan.	A. Tagaropulos	Cristobal, C. Z.	Real, R. P.	General	3
Republic <sup>3</sup>	27		Amer.	U. S. Army	New York, N. Y.	Honolulu, T. H.	General	1,851
Torvanger	27	27	Nor.	Chile Nit. Sales Corp.	Hamburg, Ger.	Antofagasta, Chile	Ballast	
Steelore	27	27	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Laurits Swenson <sup>2</sup>	26	27	Nor.	Fred Olsen & Co.	Hull, England	Vancouver, B. C.	General	5,503
Ino <sup>2</sup>	26	27	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	45
Louisianan	26	27	Amer.	Grace Line	Baltimore, Md.	Talcahuano, Chile	Gen., steel	5,842
Dresden <sup>2</sup>	27	27	Ger.	North German Lloyd	Hamburg, Ger.	Corral, Chile	General	6,699
Sedgpool	27	27	Brit.	Anglo-Can. S. S. Co.	Baltimore, Md.	Vancouver, B. C.	Ballast	
Nyborn <sup>2</sup>	27	29	Nor.	Scand.-So. Pac. Line	Goth'burg, Swed.	Valparaiso, Chile	General	3,734
Enoch <sup>3</sup>	27	29	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>15</sup>	25	
Sambu <sup>2</sup>	26		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	26		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	General	40
Sona <sup>2</sup>	26		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	General	35
Rangitata <sup>2</sup>	28	29	Brit.	N. Z. Shipping Co.	London, England	Wellington, N. Z.	Gen., frozen	5,103
Canadian Challenger	28	28	Brit.	Mont.-Aust.-N.Z. Line	Pt. Alfred, Can.	Sydney, Aust'lia	Newsprint	3,565
Huntress	28	28	Brit.	Chile Nit. Sales Corp.	Swansea, England	Chile	Ballast	
Damsterdijk <sup>2</sup>	27	30	Neth.	Holland-Amer. Line	Rotterdam, Neth.	Vancouver, B. C.	General	4,390
Nordstjernen <sup>2</sup>	28	28	Swed.	Johnson Line	Stockholm Swed.	Vancouver, B. C.	General	3,833
Santa Lucia	28	29	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,535
Eastern King Maru	28	4	Jap.	T. Miyaji	Norfolk, Va.	Kobe, Japan	Ballast	
Speybank <sup>2</sup>	28	29	Brit.	Eagle Oil & Ship. Co.	Tampico, Mexico	Cairns, Australia	Asphalt	8,115
Susan V. Luckenbach	29	29	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	3,075
Brynje <sup>2</sup>	29	29	Nor.	Canadian Transp. Co	Tampa, Fla.	Victoria, B. C.	Gen., sulphur	4,608
Fresno Star	29	29	Brit.	Blue Star Line	Tyne, England	N. West'ner, B. C.	Ballast	
Nereus	29	29	Greek	Chile Nit. Sales Corp.	Greenock, Eng.	Toopilla, Chile	Ballast	
Thorsholm <sup>1 2</sup>	29	29	Nor.	J. Jacobs & Co.	Texas City, Tex.	Japan	Aviation gas	13,201
Santa Paula	29	30	Amer.	Grace Line	New York, N. Y.	S. Francisco, Cal.	General	4,227
Portland <sup>2</sup>	29	30	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Vancouver, B. C.	General	4,676
Dagmar Salen <sup>2</sup>	29	31	Swed.	Seaboard Ship. Co.	Montreal, Canada	Portland, Ore.	Ballast	
Svalder <sup>1 2</sup>	28	30	Nor.	Anglo-Saxon Pet. Co.	Goth'burg, Swed.	Los Angeles, Cal.	Ballast	
Sessa	30	30	Dan.	West Coast Line	New York, N. Y.	Talcahuano, Chile	General	2,000
Dakotan	30	30	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Ore.	General	3,393
Marore	30	30	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Charles R. McCormick	30	30	Amer.	McCormick S. S. Co.	Norfolk, Va.	Seattle, Wash.	(14)	4,600
Clio <sup>2</sup>	29	30	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	103
Harpoon	30	31	Amer.	Shepard Line	Albany, N. Y.	Tacoma, Wash.	General	5,544
Asuka Maru <sup>2</sup>	31	31	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Kobe, Japan	Steel, cotton	7,469
Anglo African	31	31	Brit.	Lawther, Latta & Co.	Cardiff, England	Vancouver, B. C.	Ballast	
Atlantic <sup>1 2</sup>	31	31	Nor.	Colonial Beacon Oil Co.	Aruba, N. W. I.	Toopilla, Chile	Fuel oil	10,779
Gracia	31	31	Brit.	Donaldson Brothers	Glasgow, Scot.	Vancouver, B. C.	General	663
Texas Sun <sup>1 2</sup>	31	31	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	
Cornish City <sup>2</sup>	31	31	Brit.	Reardon-Smith Line	Baltimore, Md.	Moji, Japan	(15)	9,154
Chloe	31	31	Greek	Chile. Nit. Sales Corp.	Antwerp, Belgium	Toopilla, Chile	Ballast	
Heffron	31	31	Amer.	Pac. Coast Dir. Line	New York, N. Y.	Tacoma, Wash.	Steel, gen.	4,793
Manizales	29	1	Ger.	North German Lloyd	Manausa, Colom.	Guayaquil, Ecua.	Salt, gen.	1,195
Penmar	31	1	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,356
Barnevelde	29	31	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Talcahuano, Chile	General	2,807
Norne <sup>2</sup>	29	1	Nor.	States Marine Corp.	Philadelphia, Pa.	Moji, Japan	Steel, oil	6,257
F. J. Luckenbach	31	1	Amer.	Luckenbach Line	Houston, Tex.	Tacoma, Wash.	General	5,628
New Orleans	31	1	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Hongkong, China	General	2,946
Steel Engineer	1	1	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Seattle, Wash.	Steel, gen.	3,651
Nankai Maru <sup>2</sup>	1	1	Jap.	Osaka Shosen Kaisha	Boston, Mass.	Kobe, Japan	(16)	6,983
Salvador	26	1	Brit.	Pacific Steam Nav.Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	894
Porto Bello <sup>3</sup>	1	2	Pan.	A. Tagaropulos	Cristobal, C. Z.	Real, R. P.	General	4
Anneliese Essberger <sup>2</sup>	1	2	Ger.	Anglo-Can. S. S. Co.	London, England	Vancouver, B. C.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>6</sup> Transport. <sup>13</sup> For bananas and return to Cristobal. <sup>14</sup> General, lubricating oil, etc. <sup>15</sup> Steel, pig iron, etc. <sup>16</sup> General, steel, oil, etc.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Point Palmas . . . . .	1	2	Amer.	Swayne & Hoyt . . . . .	Houston, Tex. . . . .	Tacoma, Wash. . . . .	General . . . . .	5,103
City of Singapore . . . . .	2	2	Brit.	Ellerman & Bucknall . . . . .	Montreal, Canada . . . . .	Dairen, China . . . . .	General . . . . .	7,160
Perch 7 . . . . .	25	2	Amer.	U. S. Navy . . . . .	Guanta mo, Cuba . . . . .	San Diego, Calif. . . . .	Ballast . . . . .	
Amerika 2 . . . . .	2	2	Dan.	East Asiatic Co . . . . .	Copenhagen, Den . . . . .	Vancouver, B. C. . . . .	General . . . . .	482
Winkleigh . . . . .	2	2	Brit.	Canadian Transp. Co. . . . .	Barry, England . . . . .	Vancouver, B. C. . . . .	Ballast . . . . .	
Trois Ilets . . . . .	1	2	Fr.	French Line . . . . .	Cristobal, C. Z. . . . .	B'ventura, Col. . . . .	Ballast . . . . .	
Conyngham 2 . . . . .	2	5	Amer.	U. S. Navy . . . . .	Guanta mo, Cuba . . . . .	San Diego, Calif. . . . .	Ballast . . . . .	
Baru 2 . . . . .	2	2	Pan.	Elliot Ship. & Land Co. . . . .	Cristobal, C. Z. . . . .	Balboa, C. Z. . . . .	Ballast . . . . .	
Floridian . . . . .	3	3	Amer.	Amer.-Hawaiian Line . . . . .	Savannah, Ga. . . . .	Tacoma, Wash. . . . .	General . . . . .	6,715
Missourian 2 . . . . .	3	3	Amer.	Amer.-Hawaiian Line . . . . .	Boston, Mass. . . . .	Seattle, Wash. . . . .	General . . . . .	3,603
Kano Maru 2 . . . . .	3	3	Jap.	Kokusai Kisen Kaisha . . . . .	Boston, Mass. . . . .	Kobe, Japan . . . . .	Steel, cotton . . . . .	5,677
Mauna Kea . . . . .	3	3	Amer.	Matson Nav. Co. . . . .	New York, N. Y. . . . .	Honolulu, T. H. . . . .	Gen., autos. . . . .	1,045
Chilore . . . . .	3	3	Amer.	Ore S. S. Corp. . . . .	Baltimore, Md. . . . .	Cruz Gr'de, Chile . . . . .	Ballast . . . . .	
Silverwalnut 2 . . . . .	3	3	Brit.	Silver Line, Ltd. . . . .	Boston, Mass. . . . .	Hongkong, China . . . . .	General . . . . .	3,052
Real 2 . . . . .	2	2	Pan.	Elliot Ship. & Land Co. . . . .	Cristobal, C. Z. . . . .	Balboa, C. Z. . . . .	Ballast . . . . .	
Tuira 2 . . . . .	2	2	Pan.	Elliot Ship. & Land Co. . . . .	Cristobal, C. Z. . . . .	Balboa, C. Z. . . . .	Ballast . . . . .	
Sona 2 . . . . .	2	2	Pan.	Elliot Ship. & Land Co. . . . .	Cristobal, C. Z. . . . .	Balboa, C. Z. . . . .	Ballast . . . . .	
Enoch 3 . . . . .	2	2	Pan.	E. J. Hooper . . . . .	Cristobal, C. Z. . . . .	Gatun, C. Z. <sup>12</sup> . . . . .	Ballast . . . . .	25
Zjawa 3 . . . . .	2	2	Amer.	T. McClure . . . . .	Cristobal, C. Z. . . . .	Balboa, C. Z. . . . .	Ballast . . . . .	
Bachaquero 1 . . . . .	3	3	Brit.	Lago Shipping Co. . . . .	Aruba, N. W. I. . . . .	Balboa, C. Z. . . . .	Drydocking . . . . .	
Istmo . . . . .	2	4	Pan.	Elliot Ship. & Land Co. . . . .	Cristobal, C. Z. . . . .	B'ventura, Col. . . . .	General . . . . .	340
City of Glasgow . . . . .	3	4	Brit.	Mont.-Aust.-N. Z. Line . . . . .	Montreal, Canada . . . . .	Dunedin, N. Z. . . . .	General . . . . .	4,276
Mount Helikon . . . . .	4	4	Greek.	Chile Nit. Sales Corp. . . . .	Amsterdam, Neth . . . . .	Antof gasta, Chile . . . . .	Ballast . . . . .	
Nalon . . . . .	4	4	Brit.	Royal Mail Lines . . . . .	Barry, England . . . . .	N. Westminster, B. C. . . . .	Ballast . . . . .	
Orduna . . . . .	3	4	Brit.	Pacific Steam Nav. Co. . . . .	Liverpool, Eng. . . . .	Valparaiso, Chile . . . . .	General . . . . .	2,445
Santa Maria 2 . . . . .	4	5	Amer.	Grace Line . . . . .	New York, N. Y. . . . .	San Antonio, Chile . . . . .	General . . . . .	2,725
Gera . . . . .	4	5	Ger.	Hamburg-Amer. Line . . . . .	New Orleans, La. . . . .	New Zealand . . . . .	General . . . . .	6,425
West Harcour Maru . . . . .	4	5	Jap.	Tamingosuke Miyachi . . . . .	Boston, Mass. . . . .	Yawata, Japan . . . . .	Scrap steel . . . . .	6,875
Bente Maersk 1 2 . . . . .	4	5	Dan.	Isbrandtsen-Moller . . . . .	Curacao, N. W. I. . . . .	Talara, Peru . . . . .	Ballast . . . . .	
Virginia . . . . .	5	6	Amer.	Panama-Pacific Line . . . . .	New York, N. Y. . . . .	S. Francisco, Cal. . . . .	General . . . . .	3,060
Olymp 2 . . . . .	4	5	Pan.	Chile Nit. Sales Corp. . . . .	Savannah, Ga. . . . .	Tocopilla, Chile . . . . .	Ballast . . . . .	
President Pierce . . . . .	5	6	Amer.	Dollar Line . . . . .	New York, N. Y. . . . .	Manila, P. I. . . . .	General . . . . .	4,012
El Ciervo 1 . . . . .	5	5	Brit.	C. T. Bowring & Co. . . . .	Falmouth, Eng. . . . .	Cabo Bl'co, Peru . . . . .	Ballast . . . . .	
San Anselmo . . . . .	4	5	Amer.	Quaker Line . . . . .	Albany, N. Y. . . . .	Tacoma, Wash. . . . .	General . . . . .	5,480
Santos Maru 2 . . . . .	5	5	Jap.	Osaka Shosen Kaisha . . . . .	Montevideo, Uru. . . . .	Kobe, Japan . . . . .	Hides, coffee . . . . .	4,425
Loosrecht 1 2 . . . . .	5	5	Neth.	Shell Oil of Calif. . . . .	Avonmouth, Eng. . . . .	California . . . . .	Ballast . . . . .	
R. J. Hanna 1 . . . . .	5	5	Amer.	Standard Oil of Calif. . . . .	Baltimore, Md. . . . .	Los Angeles, Cal. . . . .	Ballast . . . . .	
Lebore . . . . .	5	5	Amer.	Ore S. S. Corp. . . . .	Baltimore, Md. . . . .	Cruz Gr'de, Chile . . . . .	Ballast . . . . .	
American Robin . . . . .	6	6	Amer.	McCormick S. S. Co. . . . .	Philadelphia, Pa. . . . .	Tacoma, Wash. . . . .	General . . . . .	3,774
Georgian . . . . .	6	6	Amer.	Amer.-Hawaiian Line . . . . .	New York, N. Y. . . . .	S. Francisco, Cal. . . . .	General . . . . .	3,118
Svealand 2 . . . . .	6	7	Swed.	Ore S. S. Corp. . . . .	Baltimore, Md. . . . .	Cruz Gr'de, Chile . . . . .	Ballast . . . . .	
Cathwood 1 . . . . .	7	8	Brit.	Union Oil of Calif. . . . .	Pt. Arthur, Tex. . . . .	Los Angeles, Cal. . . . .	Fuel oil . . . . .	9,740
Fordsdale . . . . .	7	7	Brit.	Shaw, Savill & Albion . . . . .	London, England . . . . .	New Zealand . . . . .	General . . . . .	3,157
Dorothy Luckenbach . . . . .	7	7	Amer.	Luckenbach Line . . . . .	Mobile, Ala . . . . .	Tacoma, Wash. . . . .	Gen., steel . . . . .	4,567
Massnar . . . . .	7	7	Amer.	Calmar Line . . . . .	Baltimore, Md. . . . .	Seattle, Wash. . . . .	Gen., steel . . . . .	7,415
Clio 2 . . . . .	6	7	Neth.	Royal Neth. S. S. Co. . . . .	Cristobal, C. Z. . . . .	Guayaquil, Ecua. . . . .	General . . . . .	297
City of Rayville 2 . . . . .	7	7	Amer.	Roosevelt S. S. Co. . . . .	Newp't News, Va. . . . .	Adelaide, Aust'lia . . . . .	General . . . . .	6,063
Koyei Maru 2 . . . . .	7	8	Jap.	United Ocean Transp. . . . .	Philadelphia, Pa. . . . .	Los Angeles, Cal. . . . .	Ballast . . . . .	
Saarland . . . . .	6	7	Ger.	Hamburg-Amer. Line . . . . .	Hamburg, Ger . . . . .	Corral, Chile . . . . .	General . . . . .	4,717
Enoch 3 . . . . .	7	8	Amer.	E. J. Hooper . . . . .	Cristobal, C. Z. . . . .	Gatun, C. Z. <sup>12</sup> . . . . .	Ballast . . . . .	25
Steelmaker . . . . .	7	8	Amer.	Isthmian S. S. Lines . . . . .	Portland, Me. . . . .	Seattle, Wash. . . . .	Gen., steel . . . . .	7,810
Villanger 2 . . . . .	8	8	Nor.	Interocean S. S. Co. . . . .	Rotterdam, Neth. . . . .	Los Angeles, Cal. . . . .	General . . . . .	92
Queen Adelaide 2 . . . . .	8	8	Brit.	Thos. Dunlop & Sons . . . . .	New Orleans, La. . . . .	Hongkong, China . . . . .	Gas, drums . . . . .	6,166
Mount Olympus . . . . .	8	8	Greek.	Chile Nit. Sales Corp. . . . .	Flushing, Neth. . . . .	Chile . . . . .	Ballast . . . . .	
Pereira . . . . .	2	9	Pan.	Grace Line . . . . .	Cristobal, C. Z. . . . .	Champ'ico, Guat. . . . .	General . . . . .	1,265
Pacific Exporter 2 . . . . .	8	8	Brit.	Furness-Pacific, Ltd. . . . .	Glasgow, Scotland . . . . .	Vancouver, B. C. . . . .	General . . . . .	1,332
Commissaire Ramel . . . . .	8	8	Fr.	Messageries Marit'es . . . . .	Marseille, France . . . . .	Noumea, N. Caled . . . . .	General . . . . .	2,114
Indien 2 . . . . .	5	9	Nor.	Italia S. A. . . . .	Trieste, Italy . . . . .	Vancouver, B. C. . . . .	General . . . . .	1,492
Lewis Luckenbach . . . . .	8	9	Amer.	Luckenbach Line . . . . .	Boston, Mass. . . . .	Seattle, Wash. . . . .	General . . . . .	3,758
Ino 2 . . . . .	9	9	Neth.	Royal Neth. S. S. Co. . . . .	Cristobal, C. Z. . . . .	B'ventura, Col. . . . .	Ballast . . . . .	
Pickrel 7 . . . . .	4	10	Amer.	U. S. Navy . . . . .	Guanta mo, Cuba . . . . .	San Diego, Calif. . . . .	Ballast . . . . .	
Adrastus . . . . .	9	9	Brit.	Alfred Holt & Co. . . . .	Montreal, Canada . . . . .	Hongkong, China . . . . .	General . . . . .	4,745
Kosei Maru 2 . . . . .	9	9	Jap.	United Ocean Transp. . . . .	New York, N. Y. . . . .	Kobe, Japan . . . . .	Steel, rosin . . . . .	7,117
Annie Johnson 2 . . . . .	9	9	Swed.	Johnson Line . . . . .	Stockholm, Swed. . . . .	Vancouver, B. C. . . . .	Gen., paper . . . . .	3,889
Lossiebank 2 . . . . .	9	9	Brit.	Bank Line, Ltd. . . . .	Baltimore, Md. . . . .	Los Angeles, Cal. . . . .	Ballast . . . . .	
Wyoming 2 . . . . .	8	9	Fr.	French Line . . . . .	Antwerp, Belgium . . . . .	Vancouver, B. C. . . . .	( <sup>14</sup> ) . . . . .	7,381
Trois Ilets . . . . .	8	9	Fr.	French Line . . . . .	Cristobal, C. Z. . . . .	Balboa, C. Z. . . . .	Drydocking . . . . .	
Porto Bello 2 . . . . .	9	9	Pan.	A. Tagaropoulos . . . . .	Cristobal, C. Z. . . . .	Real, R. P. . . . .	General . . . . .	3
Nuevo Panama 2 . . . . .	9	10	Pan.	Elliot Ship. & Land Co. . . . .	Cristobal, C. Z. . . . .	Panama, R. P. . . . .	Ballast . . . . .	
Rotorua . . . . .	10	11	Brit.	N. Z. Shipping Co. . . . .	London, England . . . . .	Auckland, N. Z. . . . .	General . . . . .	8,297
Assuan 2 . . . . .	8	10	Ger.	Richard Meyer Co. . . . .	Galveston, Tex. . . . .	Hongkong, China . . . . .	( <sup>15</sup> ) . . . . .	7,742
Tomislav . . . . .	10	10	J.-Slav	Chile Nit. Sales Corp. . . . .	Flushing, Neth. . . . .	Chile . . . . .	Ballast . . . . .	
Cadillac 1 . . . . .	10	10	Brit.	Anglo-Amer. Oil Co. . . . .	London, England . . . . .	Los Angeles, Cal. . . . .	Ballast . . . . .	
Amerikaland 2 . . . . .	10	10	Swed.	Ore S. S. Corp. . . . .	Baltimore, Md. . . . .	Cruz Gr'de, Chile . . . . .	Ballast . . . . .	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Submarine. <sup>6</sup> Destroyer. <sup>7</sup> For bananas and return to Cristobal. <sup>8</sup> Coke, clay, sand, etc. <sup>9</sup> Cotton, steel, etc.



ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Durazzo	6	10	Ger	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecua.	General	557
Canadian	10	11	Amer.	Grace Line.	Baltimore, Md.	Valparaiso, Chile.	General	2,421
Lancaster Castle	10	10	Brit.	Chile Nit. Sales Corp.	Liverpool, Eng.	Chile	Ballast	
Schwaben	11	11	Ger	North German Lloyd	Hamburg, Ger.	Vancouver, B. C.	General	5,468
Laguna 2	9	10	Brit.	Pacific Steam Nav. Co.	Hull, England.	Talcahuano, Chile	General	5,929
Camden 1	9	10	Amer.	Shell Oil Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Nebraska	10	11	Brit.	Royal Mail Lines.	Rotterdam, Neth.	Vancouver, B. C.	General	1,936
Honestas	10	11	Ital.	Italia Co.	Civitavecchia, It.	San Antonio, Chile	Ballast	
Arizonan	10	11	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General	2,227
Tuira 2	9	9	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Union 2	9	9	Pan.	A. Valdes	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu 2	9	10	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	50
Real 2	9	10	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	50

PACIFIC TO ATLANTIC

Martin Bakke 2	10	11	Nor	Knut Knutsen	N. West'm'r, B.C.	Belfast, Ireland.	Lumber, gen.	7,515
Talaposa 13	6	11	Amer.	U. S. Government	Juneau, Alaska	Savannah, Ga.		
Istmo	11	12	Pan	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	655
San Bernardino	11	11	Amer.	States S. S. Co.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	8,100
El Oso 1	11	11	Brit.	C. T. Bowring & Co.	Cabo Blanco, Peru.	Ellesmere, Eng.	Fuel oil	10,027
Santa Paula	11	12	Amer.	Grace Line.	S. Francisco, Cal.	New York, N. Y.	General	4,640
Rangitane 2	11	12	Brit.	N. Z. Shipping Co.	Auckland, N. Z.	London, England	Frozen, gen.	6,009
Alkmaar	11	12	Neth	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	10,872
Baru 2	12	13	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	77
President Lincoln	12	12	Amer.	Dollar Line.	Manila, P. I.	Boston, Mass.	General	5,008
Oregonian	11	12	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	7,979
Santa Lucia	11	12	Amer.	Grace Line.	S. Antonio, Chile.	New York, N. Y.	General	5,654
Trois Ilets	12	13	Fr	French Line.	Manta, Ecuador	Cristobal, C. Z.	Coffee	334
Acajutla	12	19	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	Coffee	294
Herman F. Whiton	12	12	Amer.	Dutton Lumber Corp.	Tacoma, Wash.	Po'keepsie, N. Y.	Lumber	7,150
Losada 2	12	13	Brit.	Pacific Steam Nav. Co.	Antof gasta, Chile	Liverpool, Eng.	General	8,640
Ward 2	11	13	Amer.	Roosevelt S. S. Co.	Hongkong, China	New York, N. Y.	Sugar, gen.	7,893
Selma City	12	12	Amer.	Isthmian S. S. Lines.	Pt. Angeles, Wash.	Baltimore, Md.	Lumber, gen.	7,658
Isthmian	12	12	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	General	9,112
Sambu 2	12	13	Pan.	Elliot Ship. & Land Co.	Bayano, R. P.	Cristobal, C. Z.	Bananas	24
Sona 2	12	13	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	33
Sea Shrimp 14	12	19	Pan	George David	Balboa, C. Z.	Miraflores Lake.	Ballast	
Winnipeg	12	19	Fr	French Line.	Valparaiso, Chile.	Havre, France.	General	8,341
Marore	13	13	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile.	Sparrows Pt., Md.	Iron ore	22,500
West Cape	12	13	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	8,050
Ammon	12	14	Ger	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger.	General	7,994
Chryssi	13	13	Greek	Continental Grain Co.	Stockton, Calif.	Avon'm'th, Eng.	Barley	7,100
Kiyosumi Maru 2	12	14	Jap	Kokusai Kisen Kaisha	Manila, P. I.	St. John, N. B.	Silk, gen.	6,881
Walter A. Luckenbach	13	13	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	General	9,292
Risanger	13	13	Nor	States Marine Corp.	Bacolo, P. I.	New Orleans, La.	Sugar	7,800
Calypso 2 13	10	14	Amer.	U. S. Navy	San Diego, Calif.	Baltimore, Md.		
Ewing 2 13	10	14	Amer.	U. S. Navy	San Diego, Calif.	Baltimore, Md.		
Marna	13	13	Dan.	West Coast Line.	Arica, Chile	New York, N. Y.	Ore, lentils	2,540
Tasmania 2	14	14	Dan.	Kawasaki K. Kaisha	Iloilo, P. I.	New York, N. Y.	Sugar, gen.	7,741
Bencleuch	14	15	Brit.	N. Pac. Shipping Co.	Brit. Columbia	Capetown, Africa	General	6,234
San Ubaldo 1	14	15	Brit.	Eagle Oil & Ship. Co.	Valparaiso, Chile	Pto. Mexico, Mex	Ballast	
Sahale	15	15	Amer.	Weyerhaeuser S.S. Co.	Everett, Wash.	New York, N. Y.	Lumber, gen.	6,967
Taketoyo Maru	15	15	Jap	Nippon Yusen Kaisha	Iloilo, P. I.	New Orleans, La.	Sugar, gen.	8,045
Caledonian Monarch	15	16	Brit.	Canadian Transp. Co.	Vancouver, B. C.	United Kingdom.	Lumber, gen.	7,367
Hermionthis 2	15	15	Ger	Hamburg-Amer. Line.	Valparaiso, Chile.	Hamburg, Ger.	General	5,897
Californian 2	15	15	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	10,266
Washington Express, 2	15	15	Nor	Fruit Express Line.	N. West'm'r, B. C.	Glasgow, Scot.	Fresh fruit	2,000
Clio 2	15	16	Neth	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, hides	222
Viking Star	15	16	Brit.	Blue Star Line.	S. Francisco, Cal.	Newcastle, Eng.	Frozen, gen.	5,239
Darlington Court	15	15	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	Hull, England.	Lumber	7,450
Mount Rhodope	15	15	Greek	Ocean Co., Ltd.	Victoria, B. C.	Cardiff, Wales	Lumber, gen.	5,957
Winstlow 5	15	16	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow, barge.	(15)
Adula 2	16	16	Brit.	Asiatic Petroleum Co.	Los Angeles, Cal.	Curacao, N. W. I.	(15)	11,148
Brimanger 2	16	16	Nor	Interocean S. S. Corp.	Seattle, Wash.	Hull, England.	General	6,828
Baru 2	16	17	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	100
Texas Sun 1 2	16	16	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	14,603
Florence Luckenbach	16	16	Amer.	Luckenbach Line.	Portland, Oreg.	New Orleans, La.	Lumber, gen.	5,005
Golden Cross	15	16	Amer.	Matson Nav. Co.	Kahului, T. H.	Baltimore, Md.	Sugar, gen.	7,773
Munizales	16	18	Ger	North German Lloyd	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	1,079
Durazzo	16	19	Ger	Hamburg-Amer. Line.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	1,013
Steel Age	16	16	Amer.	Isthmian S. S. Lines.	Kahului, T. H.	Baltimore, Md.	Sugar, gen.	8,165
Frederick R. Kellogg, 1	15	16	Amer.	Standard Oil of N. J.	Baton Rouge, La.	Aruba, N. W. I.	(15)	5,723

1 Tanker. 2 Motor ship. 5 Launch. 13 Coast guard. 14 Panga. 15 Gasoline, kerosene.



## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Tuira <sup>2</sup>	16	17	Pan.	Julio Laffargue	Darien, R. P.	Cristobal, C. Z.	Bananas	54
Sambu <sup>2</sup>	16	17	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	15
Luna <sup>2</sup>	16	17	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(13)	13
Chiore	17	17	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Pacific Shipper <sup>2</sup>	16	17	Brit.	Furness, Withy & Co.	Vancouver, B. C.	London, England	General	8,220
San Diego	17	17	Fr.	French Line	Stockton, Calif.	Hull, England	General	6,551
Point Ancha	17	17	Amer.	Swayne & Hoyt	Los Angeles, Cal.	New Orleans, La.	Lumber, gen.	5,261
Scottish Heather <sup>1</sup>	16	17	Brit.	Standard Oil of N. J.	Talara, Peru	Halifax, N. S.	Crude oil	10,269
Yorkmar	17	17	Amer.	Calmar S. S. Corp.	Seattle, Wash.	New York, N. Y.	Lumber	7,125
Istmo	17	18	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	656
Nuevo Panama <sup>2</sup>	17	18	Pan.	Elliot Ship. & Land Co.	Panama City, R. P.	Cristobal, C. Z.	Ballast	(14)
Yngaren <sup>2</sup>	17	18	Swed	Rederiskiebol Trans.	Apia, Samoa Is.	Rotterdam, Neth.	(15)	8,861
Fulda <sup>2</sup>	17	18	Ger.	North German Lloyd.	Corral, Chile	Hamburg, Ger.	General	8,496
Mayan	18	25	Amer.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General	229
Ville D'Amiens	18	19	Fr.	Messageries Marit'es.	Noumea, N. Caled	Marseille, France	General	4,430
Trojan Star	17	18	Brit.	Blue Star Line	Hobart, Tasmania	London, England	C/S, gen.	6,575
Sithonia	17	18	Brit.	Spreckels & Co.	Santa Nino, P. I.	Baltimore, Md.	Sugar	9,281
Persephone <sup>1 2</sup>	18	18	Pan.	Standard Oil of N. J.	Talara, Peru	Havre, France	Crude oil	11,712
Hagan <sup>1</sup>	18	18	Amer.	Shell Petroleum Co.	Los Angeles, Cal.	Sewaren, N. J.	(15)	8,989
Virginia	18	19	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General	8,283
Iowan	18	19	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	7,338
Thrush <sup>10</sup>	19	23	Amer.	U. S. Navy	San Diego, Calif.	Guant. Bay, Cuba		
Santa Maria <sup>2</sup>	19	19	Amer.	Grace Line	S. Antonio, Chile	New York, N. Y.	General	4,971
R. J. Hauna <sup>1</sup>	19	19	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Providence, R. I.	(16)	9,412
Real <sup>2</sup>	19	20	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Sona <sup>2</sup>	19	20	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	30
Oakland <sup>2</sup>	20	21	Ger.	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	Lumber, gen.	7,474
San Felipe	20	20	Amer.	Quaker Line	San Diego, Calif.	Baltimore, Md.	Lumber, gen.	8,579
Steel Trader	20	20	Amer.	Isthmian S. S. Lines.	Hilo, T. H.	New York, N. Y.	(17)	8,339
Amagisan Maru <sup>2</sup>	20	20	Jap.	Mitsui Bussan Kaisha	Manila, P. I.	New York, N. Y.	Silk, gen.	6,240
Oklahoman	20	20	Amer.	Amer.-Hawaiian Line.	Los Angeles, Cal.	Bridgeport, Conn.	Lumber, gen.	7,337
Illinois	20	20	Amer.	Anglo-Can. S. S. Co.	N. Westm'r, B. C.	London, England	(18)	6,889
Glorian <sup>5</sup>	20	25	Amer.	W. B. Boggs	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Svealand <sup>2</sup>	20	21	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Cristobal, M. Z.	Iron ore	21,600
S-43 <sup>7</sup>	21	21	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
S-44 <sup>7</sup>	21	21	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Baarn	21	21	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	8,412
Lochmonar <sup>2</sup>	21	22	Brit.	Royal Mail Lines	Victoria, B. C.	Rotterdam, Neth.	Fruit, gen.	9,566
Canadian Cruiser.	21	21	Brit.	M. A. N. Z. Line	Sydney, N. S. W.	Montreal, Canada	General	7,380
Ino <sup>2</sup>	21	22	Neth	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	563
Nikolina Matkovic <sup>2</sup>	20	21	Y-Slav	Engel, Matkovic Y.S.	Vancouver, B. C.	London, England	Lumber	4,905
S-42 <sup>7</sup>	21	21	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Nako Maru <sup>2</sup>	21	22	Jap.	Nippon Yusen Kaisha	Manila, P. I.	Baltimore, Md.	General	4,960
Herman Frasch.	21	21	Amer.	Dutton Lumber Corp.	Seattle, Wash.	Philadelphia, Pa.	Lumber	5,400
S-47 <sup>7</sup>	21	21	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
S-46 <sup>7</sup>	21	21	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
American Reefer <sup>2</sup>	22	22	Dan.	J. Lauritzen	Seattle, Wash.	Haifa, Palestine	Fruit	2,158
Eleanor Christenson.	22	22	Amer.	Arrow Line.	Pt. Alberni, B. C.	New York, N. Y.	Lumber	7,308
Paul Luckenbach.	22	22	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,857
Mallard <sup>4</sup>	22	22	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Hoyeisan Maru.	22	23	Jap.	Mitsui Bussan Kaisha	Oturu, Japan	Antwerp, Belgium	Lumber	7,504
West Ceaus.	22	23	Amer.	McCormick S. S. Co.	Los Angeles, Cal.	Buenos Aires, Arg.	General	7,338
Frank Sctmans.	23	23	Nor.	States Marine, N. Y.	Chemainus, B. C.	Philadelphia, Pa.	Pulp, lumber	6,350
Texmar	23	23	Amer.	Calmar S. S. Corp.	Seattle, Wash.	New York, N. Y.	Lumber	6,860
Samuel Bakke <sup>2</sup>	23	23	Nor.	Knut Knutsen.	Valparaiso, Chile.	Oslo, Norway	Ores, gen.	7,440
Cal.	23	25	Ger.	North German Lloyd.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	786
Ardenvobr <sup>2</sup>	23	24	Brit.	M. A. N. Z. Line	Lyttleton, N. Z.	Montreal, Canada	General	1,478
Istmo	23	25	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	655
Porto Bello <sup>2</sup>	22	26	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	Lumber	30
Tuira <sup>2</sup>	23	24	Pan.	Julio Laffargue	Darien, R. P.	Cristobal, C. Z.	Bananas	50
Chincha	23	24	Amer.	Grace Line	Valparaiso, Chile.	New York, N. Y.	Copper, gen.	4,709
Edgar F. Luckenbach.	23	24	Amer.	Luckenbach-Gulf Co.	Portland, Oreg.	Mobile, Ala.	Lumber, gen.	4,882
Fernbrook <sup>2</sup>	24	24	Nor.	Fern Line.	Sabang, P. I.	Baltimore, Md.	Sugar, gen.	7,971
Anhalt	24	24	Ger.	North German Lloyd.	Paaz'ene, Noumea	East coast, U. S.	Chrome ore	7,750
Peter Kerr	24	24	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	9,710
Baron Graham.	24	24	Brit.	Peruvian Guano Co.	London, England.	London, England.	Guano	5,100
Trois Ilets.	24	26	Fr.	French Line	Manta, Ecuador.	Cristobal, C. Z.	Coffee, wax	344
Minerva <sup>2</sup>	24	24	Nor.	Chile Nit. Sales Corp.	Iquique, Chile.	Savannah, Ga.	Nit. of soda	9,379
Radiotis	24	24	Greck.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>19</sup>	Nit. of soda	7,410
Amerikaland <sup>2</sup>	25	25	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile.	Baltimore, Md.	Iron ore	21,600
Royal Star	24	25	Brit.	Blue Star Line	N. Westm'er, B. C.	Liverpool, Eng.	Fruit, gen.	8,166
Leme <sup>2</sup>	23	26	Ital.	Italia S. A.	Vancouver, B. C.	Trieste, Italy	General	7,573
Point Clear	24	25	Amer.	Gulf Pacific Line	Olympia, Wash.	Tampa, Fla.	Lumber, gen.	4,343
Santa Inez	25	25	Amer.	Grace Line	Arica, Chile	New York, N. Y.	Coffee, gen.	2,522

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Tug. <sup>4</sup> Launch. <sup>5</sup> Submarine. <sup>6</sup> Mine sweeper. <sup>7</sup> Plantains, lumber. <sup>8</sup> Copra, lead, rubber. <sup>9</sup> Gasoline, stove oil. <sup>10</sup> Petrolastic asphalt. <sup>11</sup> Sugar, pineapples, canex. <sup>12</sup> Lumber, wheat, general.

<sup>13</sup> For orders.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Silverwillow <sup>2</sup>	24	25	Brit.	Silver Line, Ltd.	Los Angeles, Cal.	Madras, India	(14)	7,158
Virginian	25	25	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	11,113
Alaskan	25	25	Amer.	Amer.-Hawaiian Line.	Astoria, Ore.	Boston, Mass.	Lumber, gen.	7,715
Santa Elena	25	26	Amer.	Grace Line	S. Francisco, Cal.	New York, N. Y.	General	4,387
W. S. Miller <sup>1</sup>	25	26	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Providence, R. I.	Heating oil.	9,327
King Gruffydd	26	26	Brit.	Canadian Transp. Co.	Brit. Columbia	Hull, England	Wheat, lum.	7,955
Sirius	24	27	Amer.	U. S. Navy	San Diego, Calif.	Norfolk, Va.	General	3,196
Ino <sup>2</sup>	26	27	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	353
Salvador	26	1	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	Coffee, gen.	250
Winona	26	26	Amer.	Weyerhaeuser S.S.Co.	Portland, Ore.	Baltimore, Md.	Lumber, pulp	7,000
Sambu <sup>2</sup>	25	27	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	15
Real <sup>2</sup>	26	27	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Sona <sup>2</sup>	26	27	Pan.	Elliot Ship. & Land Co.	Bayano, R. P.	Cristobal, C. Z.	Bananas	29
Winaton <sup>5</sup>	26		Amer.	W. R. Keams	Balboa, C. Z.	Miraflores, C. Z.		
Akaroa	26	27	Brit.	Shaw, Savill & Albion	Auckland, N. Z.	London, England	Frozen, gen.	5,884
Roda <sup>2</sup>	26	28	Ger.	Hamburg-Amer. Line.	Valparaiso, Chile.	Hamburg, Ger.	General	7,215
Abraham Lincoln <sup>2</sup>	26	28	Nor.	Fred Olsen & Co.	Astoria, Ore.	Oslo, Norway	General	7,871
Dryden	26	27	Amer.	Lykes Bros.-Ripley	Manila, P. I.	East coast, U. S.	(15)	5,566
Queen Anne <sup>2</sup>	26	27	Brit.	Anglo-Can. S. S. Co.	Albheri, B. C.	London, England	(16)	8,368
Vinni <sup>2</sup>	26	28	Nor.	Kawasaki K. Kaisha	Kobe, Japan	Houston, Tex.	General	4,200
Pacific Trader <sup>2</sup>	27	28	Brit.	Bank Line, Ltd.	Suva, Fiji Islands	United Kingdom	Sugar	8,740
Julia Luckenbach	27	27	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,965
Balboa <sup>1</sup>	27	28	Swed.	Johnson Line	Vancouver, B. C.	Stockholm, Swed.	General	8,111
K. I. Luckenbach	27	27	Amer.	Luckenbach Line	S. Francisco, Cal.	Boston, Mass.	General	9,330
Timber Rush	27	27	Amer.	Shepard S. S. Co.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,141
Bente Maersk <sup>1</sup>	27	27	Dan.	Isbrandtsen Moller.	Los Angeles, Cal.	Curacao, N.W.I.	Gas oil	8,201
Pacific Pioneer <sup>2</sup>	28	28	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Glasgow, Scot.	Fruit, gen.	8,195
Memphis City <sup>2</sup>	28	28	Amer.	Isthmian S. S. Lines	Port Allen, T. H.	New York, N. Y.	Sugar cane	8,230
Peter Hurl <sup>1</sup>	28	28	Pan.	Standard Oil of N. J.	Talara, Peru	Montreal, Canada	Crude oil	16,139
Bonneville <sup>2</sup>	28	29	Nor.	Continental Grain Co.	Portland, Ore.	Cobb, I. F. S.	Wheat in blk	7,902
Coloradan	28	29	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	9,171
Darocila	28	29	Brit.	Anglo-Chile Nit. Corp.	Tocopilla, Chile.	Alexandria, E. G.	Nit. of soda	6,475
Moldagner <sup>2</sup>	28	29	Nor.	Interocean S. S. Co.	Seattle, Wash.	Havre, France	Wheat, gen.	7,467
Pennsylvanian	28	29	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,142
Tosca <sup>2</sup>	29	29	Nor.	Knutsen Line	Huacho, Peru	Lands End <sup>18</sup>	Sulp. of soda	7,119
Clio <sup>2</sup>	29	30	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecuac.	Cristobal, C. Z.	Coffee, gen.	556
Vera <sup>1</sup>	29	29	Nor.	Anglo-Saxon Pet. Co.	S. Francisco, Cal.	Curacao, N.W.I.	Gasoline	9,356
Cerigo	29	1	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecuac.	Cristobal, C. Z.	(17)	1,159
Triton <sup>2</sup>	29	1	Nor.	Barber-Wilhelmsen	Manila, P. I.	New York, N. Y.	General	8,597
Kongo Maru <sup>2</sup>	29	30	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	New York, N. Y.	General	7,537
Aller	29	1	Ger.	North German Lloyd.	Adelaide, Aust'lia	Bremen, Ger.	General	8,883
Warwick <sup>1</sup>	30	30	Amer.	Union Oil of Calif.	Los Angeles, Cal.	Panlsboro, N. J.	Solvent	5,202
Madrono <sup>1</sup>	30	30	Nor.	H. P. Drewry	La Libertad, Ecuac.	Donges, France.	Crude oil	8,174
Salacia <sup>2</sup>	30	30	Brit.	Donaldson Bros.	Vancouver, B. C.	Glasgow, Scot.	Frozen, gen.	6,669
Porto Bello <sup>2</sup>	30	30	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(18)	13
Arkansan	31	31	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	8,814
Ida Knudsen <sup>1</sup>	31	31	Nor.	Standard Oil of N. J.	Lobitos, Peru	Halifax, N. S.	Crude oil	13,363
West Notus	31	31	Amer.	McCormick S. S. Co.	Seattle, Wash.	New York, N. Y.	Lumber, gen.	4,595
Oregon Express <sup>2</sup>	31	31	Nor.	Fruit Express Line.	N. Westminster, B. C.	Havre, France	Fresh fruit	1,950
Miss C. B. <sup>2</sup>	30	4	Brit.	I. D. Hunter	Tumaco, Colom.	Tampa, Fla.	Ballast	
Loriga <sup>2</sup>	31	1	Brit.	Pacific Steam Nav. Co.	Valparaiso, Chile.	Liverpool, Eng.	General	8,451
Antares	29	3	Amer.	U. S. Navy	San Diego, Calif.	Norfolk, Va.	Naval stores	947
Craven <sup>9</sup>	29	1	Amer.	U. S. Navy	Guayaquil, Ecuac.	Boston, Mass.		
Oropesa	1	1	Brit.	Pacific Steam Nav. Co.	Talcahuano, Chile	Liverpool, Eng.	Copper, gen.	10,507
El Aleto <sup>1</sup>	31	1	Brit.	C. T. Bowring & Co.	Cabo B'co, Peru.	Liverpool, Eng.	Crude oil	10,115
Katrina Luckenbach	1	1	Amer.	Luckenbach Line	Portland, Ore.	New Orleans, La.	General	2,467
Surrey	1	2	Brit.	M. A. N. Z. Line	Adelaide, Aust'lia	Montreal, Canada	Frozen, gen.	2,514
Trois Ilets	1	2	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	344
California	1	2	Amer.	Panama-Pacifie Line.	S. Francisco, Cal.	New York, N. Y.	General	5,937
Margaret Johnson	2	2	Swed.	Johnson Line	Seattle, Wash.	Stockholm, Swed.	Fruit	5,982
Baru <sup>2</sup>	2	3	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	103
Minnesota	1	2	Amer.	Amer.-Hawaiian Line.	Portland, Ore.	Boston, Mass.	General	8,254
Norman Star	2	2	Brit.	Blue Star Line.	Seattle, Wash.	Buenos Aires, Arg.	Ref., gen.	4,436
Istmo	1	4	Pan.	Elliot Ship. & Land Co.	B'ventura, Cal.	Cristobal, C. Z.	Coffee, gen.	655
Frida <sup>2</sup>	2	2	Dan.	West Coast Line.	Valparaiso, Chile.	New York, N. Y.	Nitrate, gen.	2,602
Santa Clara	2	2	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	5,712
Ohioan	2	2	Amer.	Amer.-Hawaiian Line.	S. Francisco, Cal.	Baltimore, Md.	Lumber, gen.	8,341
Sona <sup>2</sup>	2	3	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
Real <sup>2</sup>	2	3	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	38
Tuiru <sup>2</sup>	2	3	Pan.	Julio Lafargue	Darien, R. P.	Cristobal, C. Z.	Bananas	54
Pereira	2	8	Pan.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General	556
Bethore	3	3	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,200
Mobiloil <sup>1</sup>	2	3	Amer.	Socoy Vac. Oil Co.	Los Angeles, Cal.	Providence, R. I.	Gasoline	14,673
Bolton Castle	2	6	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Alexandria, E. G.	Nit. of soda	8,555
Oregon <sup>2</sup>	2	4	Fr.	French Line.	Vancouver, B. C.	Rotterdam, Ncht.	General	8,341
Charles Christenson	3	3	Amer.	Canadian Gulf Line.	Powell River, B. C.	Houston, Tex.	(19)	5,419
Lady Clara <sup>2</sup>	3		Amer.	B. W. Stephenson	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Kayak No. 5119.	3		Amer.	B. Topnick	Balboa, C. Z.	Miraflores Lake.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>5</sup> Launch. <sup>9</sup> Destroyer <sup>13</sup> For orders. <sup>14</sup> Coconut oil, general. <sup>15</sup> Sugar, copra, hemp. <sup>16</sup> Lumber, wood pulp. <sup>17</sup> Coffee, nuts, hides. <sup>18</sup> Plantains, lumber. <sup>19</sup> Newsprint, shingles.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Trontolite <sup>1</sup> 2	53	4	Brit.	Imperial Oil Co.	Talara, Peru	Montreal, Canada	Gasoline	7,548
Canadian Reefer <sup>2</sup>	53	4	Dan.	J. Lauritzen	Seattle, Wash.	Stockholm, Swed.	Fresh fruit	1,310
Canada <sup>2</sup>	53	4	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den	General	9,295
Eli <sup>2</sup>	53	4	Nor.	Anglo-Can. S. S. Co.	Victoria, B. C.	Newcastle, Eng.	General	6,750
Iddesleigh	4	5	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	London, England	Wheat, lum.	9,150
Sanyo Maru <sup>2</sup>	4	5	Jap.	Osaka Shoshe Kaisha	Dairen, China	Baltimore, Md.	General	4,607
Eskdalegate	4	4	Brit.	Chile Nit. Sales Corp	Tocopilla, Chile	Azores <sup>13</sup>	Nit. of soda	7,347
Asakasan Maru <sup>2</sup>	4	4	Jap.	Mitsui & Co.	Manila, P. I.	Philadelphia, Pa.	Silk, gen.	6,732
Point Vincente	4	4	Amer.	Swayne & Hoyt	Los Angeles, Cal.	New Orleans, La.	Lumber, gen.	6,423
Drechtdyk <sup>2</sup>	4	6	Neth.	N. Pac. Coast Line	Victoria, B. C.	Rotterdam, Neth.	General	10,012
Sonnvind <sup>2</sup>	4	5	Nor.	Anglo-Can. S. S. Co.	Vancouver, B. C.	S'ampton, Eng.	Lumber	7,200
Orestes	4	5	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	4,345
Katendrecht <sup>1</sup> 2	5	5	Neth.	Shell Oil Co.	Los Angeles, Cal.	Curacao, N. W. I.	Gas oil	7,194
Tropic Star <sup>2</sup>	5	6	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile	Charleston, S. C.	Nitrate	8,305
Alamar	5	5	Amer.	Calmar S. S. Corp.	Tacoma, Wash.	Philadelphia, Pa.	Lumber	7,548
Andrea F. Luckenbach	5	5	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	12,066
Weser <sup>2</sup>	5	6	Ger.	North German Lloyd	Vancouver, B. C.	Hamburg, Ger.	General	8,460
Point Lobos	5	5	Amer.	Swayne & Hoyt	Seattle, Wash.	New Orleans, La.	Lumber, gen.	5,800
Peik <sup>1</sup> 2	5	5	Nor.	Anglo-Saxon Pet. Co.	S. Francisco, Cal.	Curacao, N. W. I.	Kerosene dis.	9,150
San Lucas	5	6	Amer.	States S. S. Co.	Los Angeles, Cal.	Philadelphia, Pa.	Lumber, gen.	10,523
Hollywood	6	6	Amer.	McCormick S. S. Co.	Seattle, Wash.	New York, N. Y.	Lumber, gen.	6,900
Cluo <sup>2</sup>	6	7	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Hides, gen.	315
Durazzo	6	10	Ger.	Hamburg-Amer. Line	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	1,169
Mexican	6	6	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	11,366
Nordvard <sup>2</sup>	6	7	Nor.	Lauritz Kloster	Portland, Oreg.	Cobb, I. F. S.	Wheat	7,059
Porto Bello <sup>2</sup>	6	6	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	( <sup>14</sup> ) S	
Bachaquo <sup>1</sup>	4	7	Brit.	Lyle Shipping Co.	Balboa, C. Z.	Aruba, N. W. I.	Ballast	
Goslar	7	7	Ger.	North German Lloyd	Whyalla, Aust'lia	Baltimore, Md.	( <sup>15</sup> )	6,085
Laila	7	7	Dan.	J. Lauritzen	Chicama, Peru	New York, N. Y.	General	2,614
San Simeon	7	8	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,544
St. Woolos	8	8	Brit.	Tabachalera Co.	Iloilo, P. I.	Philadelphia, Pa.	Sugar	9,426
Gretavale	8	8	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile	Azores <sup>13</sup>	Nitrate	7,360
Ino <sup>2</sup>	8	9	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	577
Trois Ilets	8	9	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	344
Eisenach	8	9	Ger.	North German Lloyd	Valparaiso, Chile	Hamburg, Ger.	General	5,610
Hopestar	8	8	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile	Azores <sup>13</sup>	Nit. of soda	9,150
Pennsylvania	8	8	Amer.	Weyerhaeuser S. S. Co.	Seattle, Wash.	Norfolk, Va.	Lumber, gen.	6,936
Santa Rosa	8	9	Amer.	Grace Line	S. Francisco, Cal.	New York, N. Y.	General	4,723
Larchbank <sup>2</sup>	8	9	Brit.	Colonial Sugar Ref.	Suva, Fiji Islands	United Kingdom	Sugar	8,211
Sveve <sup>1</sup> 2	8	10	Nor.	H. P. Drewry	S. Francisco, Cal.	Hamburg, Ger.	Gasoline	9,110
Ravnas <sup>2</sup>	8	9	Nor.	Anglo-Can. S. S. Co.	Chemainus, B. C.	Liverpool, Eng.	Lumber	6,150
Nuevo Panama <sup>2</sup>	9	10	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	69
Nurnberg <sup>2</sup>	8	10	Ger.	North German Lloyd	Corral, Chile	Hamburg, Ger.	General	6,859
Steel Scientist	9	9	Amer.	Isthmian S. S. Lines	Honolulu, T. H.	Baltimore, Md.	Sugar, gen.	7,804
Acajutla	9	9	Brit.	Pacific Steam Nav. Co.	Champ'co, Guat.	Cristobal, C. Z.	General	727
Santa Barbara <sup>2</sup>	9	9	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	5,095
Yamazato Maru <sup>2</sup>	9	10	Jap.	Yamashita Ship. Co.	Kobe, Japan	Buenos Aires, Arg.	General	4,161
Tanana	9	9	Amer.	Continental Grain Co.	Longview, Wash.	Dublin, I. F. S.	Wheat	4,330
Virgilio <sup>2</sup>	9	10	Ital.	Soc. Italia	Valparaiso, Chile	Genoa, Italy	General	3,345
Real <sup>2</sup>	9	10	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	34
Taira <sup>2</sup>	9	10	Pan.	Julio Laffargue	Darien, R. P.	Cristobal, C. Z.	Bananas	55
Sambu <sup>2</sup>	9	10	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	14
La Union <sup>2</sup>	9	10	Pan.	A. Valdes	Bayano, R. P.	Cristobal, C. Z.	Bananas	26
Gothic Star	9	10	Brit.	Blue Star Line	N. Westm'g, B.C	Newcastle, Eng.	Frozen, gen.	6,474
American Oriole	9	10	Amer.	Puget Sd. Asso. Mills	Pt. Angeles, Wash.	Providence, R. I.	Lumber	7,600
Istmo	9	12	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	671
Pacific Ranger <sup>2</sup>	9	10	Brit.	Furness, Withy & Co.	Victoria, B. C.	Glasgow, Scotland	General	8,065
Indra <sup>2</sup>	10	10	Nor.	Scand. So. Pac. Line	Valparaiso, Chile	Lands End <sup>13</sup>	General	6,733
Harry Luckenbach	10	10	Amer.	Luckenbach Line	Portland, Oreg.	Boston, Mass.	General	9,089
Thorshov <sup>1</sup> 2	10	10	Nor.	Standard Oil of N. J.	Talara, Peru	Halifax, N. S.	Crude oil	13,860

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>13</sup> For orders. <sup>14</sup> Plantains, lumber. <sup>15</sup> Ore, flour, general.

Comparison of Traffic at the Suez and Panama Canals for the First Eight Months of the Calendar Years 1936 and 1937

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1936	1937	Increase	Decrease	1936	1937	Increase	Decrease
January	533	575	7.9		472	399		15.5
February	471	524	11.3		452	377		16.6
March	545	580	5.8		526	536	1.9	
April	490	621	26.7		452	473		1.9
May	484	567	17.2		458	544	11.5	
June	426	540	26.8		481	472		1.9
July	466	551	18.2		456	457	0.2	
August	471	531	13.0		473	505	6.8	
September	479	522	9.0		466	444		4.7
Total	4,368	5,011	14.7		4,296	4,207		2.1



# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.



*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXI Balboa Heights, C. Z., December 15, 1937 No. 5

## Holiday Greetings

BALBOA HEIGHTS, C. Z., December 13, 1937.

As another calendar year draws to a close, I wish to express my deep appreciation of the faithful and loyal service rendered by the employees of The Panama Canal and the Panama Railroad Company during the past year, and to extend to them and their families sincere good wishes for a Merry Christmas and a Happy New Year.

It gives me pleasure to extend the season's greetings also to our friends and neighbors in the Republic of Panama, to the representatives of the shipping world whom it has been our privilege to serve during the past year, and to the members of the military and naval services on the Isthmus. With all of these our association has been most pleasant and cordial.

It is my sincere wish that each of you may enjoy health, happiness, and contentment in the fullest measure throughout the coming year.

C. S. RIDLEY,  
Governor, The Panama Canal.  
President, Panama Railroad Company.

## Traffic Through the Panama Canal in November 1937

The total vessels of all kinds transiting the Panama Canal during the month of November 1937, and for the same month in the two preceding years, are shown in the following tabulation:

	November 1935	November 1936	November 1937		
			Atlantic to Pacific	Pacific to Atlantic	Total
Ocean-going commercial traffic.....	418	368	230	205	435
Small commercial vessels <sup>1</sup> .....	44	67	39	36	75
Noncommercial vessels:					
United States Government.....	34	40	14	9	23
Colombian Government.....		1			
For repairs.....		1	2	2	4
<b>Total.....</b>	<b>496</b>	<b>477</b>	<b>285</b>	<b>252</b>	<b>537</b>

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC <sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month for the 12 months ended November 30, 1937, as compared with the same period in the previous year:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1935-6	1936-7	1935-6	1936-7	1935-6	1936-7	1935-6	1936-7
December..	459	341	2,382,602	1,655,501	2,187,731	1,538,503	\$1,997,206.74	\$1,366,388.58
January...	472	399	2,411,073	1,915,787	2,148,935	1,855,937	2,018,543.52	1,598,323.51
February...	452	377	2,322,013	1,940,611	2,155,031	1,839,788	1,952,682.73	1,602,306.30
March.....	526	536	2,714,768	2,770,451	2,634,150	3,016,418	2,293,874.51	2,355,149.04
April.....	482	473	2,483,561	2,460,549	2,430,134	2,652,880	2,079,730.70	2,067,026.68
May.....	488	544	2,504,215	2,839,127	2,419,652	2,950,925	2,081,103.73	2,376,706.36
June.....	481	472	2,449,127	2,450,018	2,459,752	2,670,466	2,073,359.39	2,070,337.89
July.....	456	457	2,364,539	2,395,306	2,450,324	2,476,366	1,999,105.18	2,029,642.45
August....	473	505	2,398,306	2,597,119	2,396,331	2,780,603	2,051,540.28	2,195,308.87
September.	466	444	2,428,317	2,312,725	2,526,366	2,385,142	2,045,440.82	1,935,673.78
October...	482	461	2,499,678	2,359,406	2,463,069	2,438,788	2,081,758.23	1,981,087.87
November.	368	435	1,768,788	2,280,565	1,747,368	2,185,283	1,488,054.25	1,893,462.00
<b>Total...</b>	<b>5,605</b>	<b>5,444</b>	<b>28,726,937</b>	<b>27,977,165</b>	<b>28,018,843</b>	<b>28,791,099</b>	<b>24,162,400.08</b>	<b>23,471,413.33</b>

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.



## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 net tons measurement (Panama Canal net), which transited the Panama Canal during the month of November 1937. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	39	1,876	\$1,689.36	779
Pacific to Atlantic.....	36	2,202	2,444.70	2,298
Total.....	75	4,078	4,134.06	3,077

Traffic by Nationality of Vessels<sup>3</sup> for November 1937

Nationality	No. of transits	Panama Canal net tonnage	Tons of cargo	Nationality	No. of transits	Panama Canal net tonnage	Tons of cargo
British.....	92	534,812	453,158	Norwegian.....	46	231,505	253,293
Chilean.....	1	4,240	6,127	Panamanian.....	13	24,679	23,102
Danish.....	20	79,189	89,912	Peruvian.....	1	2,310	1,148
French.....	8	43,963	40,024	Swedish.....	11	57,758	64,916
German.....	30	126,851	140,915	United States.....	151	876,044	843,707
Greek.....	7	31,629	38,620	U. S. of Soviet Republics.....	1	1,805	2,200
Hungarian.....	1	4,001	7,185	Yugoslav.....	1	4,189	.....
Italian.....	5	34,381	13,665	Total.....	435	2,280,565	2,185,283
Japanese.....	23	141,675	137,344				
Netherlands.....	24	81,534	69,967				

<sup>3</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## Traffic by Trade Routes, November 1937

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table, the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo frequently is laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	54	319,475	214,818	49	310,754	356,113
East coast United States and:						
Canada.....	1	5,450	3,651	2	9,876	11,705
South America.....	16	74,610	17,787	19	86,144	194,095
Hawaiian Islands.....	3	14,870	5,488	4	20,409	30,572
Australasia.....	8	50,662	55,071	2	10,533	12,548
Philippine Islands.....	6	35,132	34,774	4	26,314	28,839
Far East.....	23	122,186	158,615	7	42,389	30,638
Canadian intercoastal.....	1	5,007	4,149	.....	.....	.....
East coast Canada and:						
United States.....	1	4,833	7,701	.....	.....	.....
South America.....	2	12,318	.....	2	11,936	21,408
Australasia.....	3	15,860	14,142	1	7,768	2,514
Philippine Islands.....	2	11,440	12,557	.....	.....	.....
Far East.....	2	12,796	13,437	.....	.....	.....
South American intercoastal.....	2	7,261	15,053	1	2,310	1,148
East coast South America and:						
United States.....	1	4,997	2,313	1	5,424	4,436
Far East.....	2	12,044	11,903	.....	.....	.....
Cristobal and:						
United States.....	.....	.....	.....	1	5,854	11,643
Central America.....	4	3,727	4,330	4	3,727	1,717
South America.....	13	7,735	5,170	13	7,735	8,600
West Indies and:						
United States.....	1	3,551	.....	8	40,818	62,730
Central America.....	1	4,479	10,050	.....	.....	.....
South America.....	2	9,007	10,530	.....	.....	.....
Europe and:						
United States.....	12	60,956	482	15	65,434	103,762
Canada.....	29	162,305	47,845	37	199,013	267,851
South America.....	25	143,579	49,863	26	147,713	223,504
Australasia.....	7	64,634	40,050	3	21,591	18,228
Far East.....	1	5,416	4,009	2	12,019	15,222

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
Egypt and South America.....				2	8,903	16,880
Asia and:						
United States.....				1	1,946	1,521
Central America.....	1	2,023				
Around the world.....	3	25,332	8,316	1	6,935	7,506
Foreign vessels in ballast (United States intercoastal).....	4	23,335				
Total.....	230	1,225,020	752,103	205	1,055,545	1,433,180

### Origin and Destination of Cargo by Major Areas, November 1937

The following table summarizes the origin of cargo passing through the Canal in November 1937, and its destination by major geographical trade areas:

#### ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States.....	221,869	7,516	218,164	17,394	54,767	519,710
Other North America.....	9,886	19,112	9,939	21,390	14,460	74,787
Europe.....	34,053	11,986	4,009	44,494	39,140	133,682
Miscellaneous.....	3,487	125	4,669	14,717	896	23,924
Total.....	269,295	38,739	236,811	97,995	109,263	752,103

#### PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	344,066	86,864	216,842	10,265	658,037
Canada.....	11,705	2,237	152,260		166,202
Other North America.....	31,625	1,800	172		33,597
South America.....	191,867	33,514	222,194	18,000	465,635
Australasia.....	10,864	4,198	18,228		33,290
Asia.....	58,134	3,995	15,222	68	77,419
Total.....	648,261	132,608	624,918	28,393	1,434,180

### Principal Commodities

Commodities in transit through the Canal which aggregated 10,000 or more long tons either during November 1937 or in November 1936 are listed below:

Commodity	November		Commodity	November	
	1936	1937		1936	1937
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Automobiles and parts.....	16,836	29,345	Canned goods various.....	59,393	99,790
Canned goods, various.....	5,267	15,296	Coffee.....	12,630	10,511
Cement.....	9,085	10,354	Cold storage <sup>4</sup> .....	12,105	10,950
Coal and coke.....	7,867	12,949	Copra.....	12,654	
Cotton, raw.....	29,590	8,123	Cotton, raw.....	6,458	11,261
Iron and steel.....	66,415	146,512	Flour.....	11,505	25,391
Machinery.....	8,958	15,313	Fruit, dried.....	13,251	51,099
Manufactured goods.....	4,485	15,034	Fruit, fresh <sup>5</sup> .....	24,710	38,278
Metals, various.....	9,637	38,682	Lumber.....	170,105	209,675
Oils, mineral.....	55,721	110,431	Metals, various.....	46,030	52,625
Ores.....	4,639	13,737	Molasses and syrups.....	33,523	2,203
Paper.....	33,682	32,972	Nitrates.....	65,870	123,375
Phosphates.....	22,383	22,213	Oats.....	13,924	4,582
Scrap metal.....	25,744	27,820	Oils, mineral.....	267,456	238,065
Sulphur.....	5,079	21,505	Oils, vegetable.....	15,519	8,436
Tinplate.....	22,024	23,055	Ores.....	159,332	164,815
			Paper.....	1,868	21,793
			Sodium compounds.....	11,289	4,193
<i>Pacific to Atlantic</i>			Sugar.....	77,492	66,180
Barley.....	14,693	17,921	Wheat.....	137,357	76,600
Beans, edible, dry.....	11,353	17,428	Wood pulp.....	8,118	25,651

<sup>4</sup> Exclusive of fresh fruit. <sup>5</sup> Not including bananas.

## Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of November 1937, as reported in the cargo declarations showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo;" the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts.....	32		32	84
Agricultural implements.....	1,272	126	5,915	154
Alfalfa meal.....		600		625
Ammonium compounds.....	83		5,539	
Animal foods <sup>6</sup> .....		267		267
Apparel, wearing (hats shoes, clothing, etc.).....	12		25	5
Asbestos.....	145		5,549	134
Asphalt and tar.....	367	52	6,177	350
Automobiles (and autotrucks).....	6,548	190	22,986	198
Automobile parts and accessories.....	819	234	6,479	270
Bags and bagging, textile.....	118	10	597	10
Bamboo and products.....		17		67
Bananas.....				1,324
Barks, miscellaneous.....		133		558
Barley.....	18	153	18	17,921
Beans, edible, dry.....	31	7,997	31	17,428
Beer.....	296		412	277
Beverages, nonalcoholic.....	14		14	
Blood and tannage.....			530	
Bones and bone meal.....			279	
Books and printed matter.....	18		18	1
Borax.....	10	712	225	6,476
Bran and pollards.....		1,382		6,010
Bricks and tile.....	246		1,158	204
Canned and preserved goods:				
Fish.....	674	10,754	968	17,084
Fruit.....	688	28,489	758	60,697
Meat.....	81	362	1,503	384
Milk.....	55	14	390	570
Soup.....	3,182	100	3,190	100
Vegetables.....	3,092	9,318	3,138	9,508
Miscellaneous and unclassified.....	2,777	10,434	5,349	11,447
Carbon black.....	23		634	
Celite.....		656		680
Cement.....	408		10,354	
Chalk.....			444	
Charcoal.....	57	17	57	17
Chemicals <sup>6</sup> .....	2,880	731	8,491	1,440
Clay, china and fire.....	146	168	1,855	204
Coal.....			7,138	
Cocoa and cacao beans.....	215		800	1,024
Coconuts and products <sup>6</sup> .....	62	875	264	1,547
Coffee.....	50	56	3,936	10,811
Coke.....			5,811	
Cold storage and refrigerated products:				
Dairy products.....	113	58	177	6,483
Eggs.....		62		155
Fish.....		176	66	1,258
Lard.....	256	320	330	351
Meats.....	166	85	483	2,221
Poultry.....		75	6	76
Vegetables.....	54	222	65	254
Other and unclassified.....	37	139	66	152
Confectionery.....	482		579	
Corn.....	89		1,109	
Cotton, raw.....		434	8,123	11,261
Creosote.....			20	
Drugs and medicines.....	1,547	146	1,908	186
Dyes.....			77	125
Earthenware.....	50	11	181	580
Eggs, dried.....				11
Electrical apparatus and appliances.....	1,438	486	2,496	823
Enamelware and metalware.....	159		237	130
Explosives.....		151	1,773	226
Extract, quebracho.....			1,295	
Fertilizers <sup>6</sup> .....	15	83	3,167	4,147
Fish, salted or dry-cured.....			50	
Fish meal.....		993		3,680

<sup>6</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Floor coverings	2,036	2,796	2,463	2,828
Flour	149	20,369	695	25,391
Fruit, dried	43	20,770	190	51,099
Fruit, fresh <sup>6</sup>		1,067	334	38,278
Furniture and household goods	438		511	27
Gallnuts				20
General	15,058	8,284	43,426	18,941
Glass and glassware	1,734	507	5,440	2,006
Glue	50	45	50	55
Grains, unclassified		41	61	177
Groceries	1,305	603	2,322	914
Gums		57	5	163
Hair, all kinds		199	17	303
Hay	29	18	29	54
Hemp, unmanufactured		6	41	1,596
Honey		421		640
Hops			100	
Horns and hoofs				10
Infusorial earth		1,246		1,727
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	66,782	1,414	146,512	1,525
Ivory nuts			348	1,943
Jute, unmanufactured			319	
Lard substitute	328		328	76
Lime			43	
Liquors	4,013	389	6,821	422
Lumber (including manufactured mill products)	2,040	100,170	3,045	209,675
Machinery	2,117	1,118	15,313	1,368
Malt			249	226
Manufactured goods <sup>6</sup>	8,283	799	15,034	3,593
Marble and granite	45		439	20
Matches	35	110	35	110
Metals:				
Antimony		95	89	95
Copper	59	1,305	7,826	30,329
Gold and silver			80	32
Iron	1,695		20,141	
Lead		1,301	5,129	12,908
Tin	367	522	381	732
Zinc	64		1,275	8,436
Other and unclassified	107	43	3,761	93
Milk, powdered		544	160	599
Molasses and syrups	380		452	2,203
Nitrate	1,340		1,895	123,375
Nuts, edible (including meats)		929	116	1,214
Oats	132	1,825	136	4,582
Oils, mineral:				
Crude			1,889	71,796
Gas and fuel	9,740		34,321	62,181
Gasoline, benzine, and naphtha	15	29,272	24,340	79,536
Kerosene	10	9,700	274	23,481
Lubricating and greases	25,889	553	49,553	1,071
Other and unclassified	54		54	
Oils, vegetable:				
Coconut			43	4,758
Cottonseed			17	
Linseed	40		247	
Olive	17	1	204	1
Peanut				30
Rapeseed				498
Wood	69	257	118	863
Other and unclassified	204	76	1,035	2,286
Oil, fish	98	1,445	104	3,824
Oil, whale		402	43	402
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)	25	93	25	3,026
Oilseed cake and meal	3,042		3,042	5,971
Ores:				
Antimony				417
Copper			7,701	14,747
Iron			27	128,500
Lead				1,481
Magnesite		94		94
Manganese				8,922
Tin				4,841
Zinc				4,744
Other and unclassified	4,456		6,009	1,069
Paints and varnishes	1,735	334	3,742	481
Paper and paper products <sup>6</sup>	9,022	7,904	32,972	21,793
Peanuts	561		561	
Peas, dry		27		83

<sup>6</sup> Except as otherwise classified.



Commodity	United States intercoastal		Total for all trade routes, including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Peatmoss.....	9		505	
Phosphates.....	140		22,213	
Plaster.....			40	
Porcelainware.....	420	429	940	4,165
Potash.....		5,097	2,280	5,555
Pyrethrum flowers.....				625
Rags and waste.....	146	335	638	1,251
Railroad material.....	2		8,727	
Rice.....	669	1,389	833	4,622
Rope and twine.....	55	74	118	226
Rosin.....	788	67	3,974	67
Rubber:				
Manufactured.....	1,039	842	1,540	1,656
Raw.....		63	56	5,121
Scrap.....		12	99	22
Salt.....	250	191	4,169	569
Sand.....	2,420		7,400	1,050
Scrap metal.....	705	216	27,820	457
Seeds (except oilseeds).....		384	314	752
Sewer pipe (concrete and terra cotta).....	1,274		1,274	
Shells, oyster.....	61		61	228
Silk, raw.....		344	26	1,848
Skins and hides.....	59	1,008	1,215	3,200
Slag.....			1,577	494
Slate.....	400		400	
Soaps and products.....	1,365	220	1,449	343
Soda and sodium compounds:				
Soda ash.....	4,430		5,311	237
Soda, caustic.....	185		1,018	45
Miscellaneous and unclassified.....	700		1,303	3,911
Soy beans.....	50		50	9,319
Sugar.....	39	12,956	518	66,180
Sulphur.....	7,550	109	21,505	1,133
Talc.....		83		83
Tallow.....		1,074	16	1,984
Tea.....	6	77	48	1,737
Textiles <sup>7</sup> .....	3,815	1,302	8,004	5,413
Tinplate.....	2,056	23	23,055	23
Tobacco and manufactures.....	149	48	5,605	214
Toilet preparations.....	70	1	117	9
Turpentine.....	320		733	
Vegetables, dry <sup>6</sup> .....		166	87	723
Wall board.....	56		400	661
Wax, paraffin.....	15	95	433	447
Wheat.....	6	1,508	14	76,600
Wines.....	148	2,910	672	5,326
Wood pulp.....	12	17,671	9,842	28,651
Wool.....	20	933	20	3,557
Total, November 1937.....	221,869	344,066	752,103	1,433,180
Total, November 1936.....	45,980	213,841	464,903	1,282,465
Total, November 1935.....	186,338	441,927	634,402	1,416,020

<sup>6</sup> Except as otherwise classified. <sup>7</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade route, the tanker traffic through the Canal during the month of November 1937:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	7	35,535	29,025	3	19,780	38,972
East coast Canada and South America.....	1	6,753		2	11,936	21,408
South American intercoastal.....	1	6,248	13,997			
Cristobal and United States.....				1	5,854	11,643
West Indies and:						
United States.....	1	3,551		7	35,265	62,498
Central America.....	1	4,479	10,050			
South America.....	2	9,007	10,530			
Europe and:						
United States.....	4	25,710		4	19,012	39,641
South America.....	5	30,880		5	31,478	62,505
Total.....	22	122,163	63,602	22	123,325	236,667

### Comparison of Canal Traffic in November 1937, with November Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of October			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1914	<sup>8</sup> 86	(000 omitted) 313	(000 omitted) 447	1915	<sup>9</sup> 100	(000 omitted) 361	(000 omitted) 466
1915				1916	60	199	258
1916	142	436	512	1917	145	483	588
1917	174	585	695	1918	165	547	627
1918	174	509	626	1919	162	510	576
1919	172	597	575	1920	199	712	781
1920	231	929	985	1921	232	950	966
1921	218	942	855	1922	222	951	907
1922	290	1,337	1,427	1923	325	1,550	1,631
1923	430	2,193	2,218	1924	429	2,179	2,249
1924	374	1,872	1,962	1925	382	1,904	1,996
1925	417	2,028	2,023	1926	424	2,064	2,169
1926	404	2,030	2,271	1927	441	2,184	2,311
1927	540	2,590	2,488	1928	521	2,453	2,468
1928	519	2,467	2,500	1929	524	2,485	2,554
1929	510	2,497	2,533	1930	502	2,497	2,502
1930	464	2,370	2,262	1931	447	2,314	2,089
1931	365	2,001	1,577	1932	364	1,968	1,650
1932	365	2,035	1,531	1933	347	1,900	1,513
1933	432	2,394	1,949	1934	436	2,379	2,059
1934	409	2,546	2,339	1935	432	2,317	2,109
1935	418	2,166	2,050	1936	449	2,335	2,209
1936	368	1,769	1,747	1937	467	2,404	2,507
1937	435	2,281	2,185	( <sup>10</sup> )	464	2,393	2,478

<sup>8</sup> Canal opened August 15, 1914. <sup>9</sup> Average for 10½ months. <sup>10</sup> Average 11 months of calendar year 1937.

### Terminal Activities

Ships repaired during the month of November 1937 numbered 63. Vessels released from drydock numbered 12. Fuel oil in the quantity of 246,515 barrels was delivered as bunkers to 126 commercial ships. Bunker coal amounting to 7,820 tons was delivered to 23 commercial ships. Sales of commissary supplies to ships aggregated \$43,435.30.

### Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving..... tons..	20,114	13,089	33,203
Local cargo shipped..... tons..	2,559	528	3,087
Cargo received for transshipment..... tons..	43,046	1,352	44,398
Cargo transshipped..... tons..	46,339	1,528	47,867
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	7	3	10
Number of releases issued.....	28	12	40
Tons received.....	9	9	18
Tons withdrawn.....	30	5	35

### All Vessels Entering and Clearing Port

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal...	514	3,056,596	1,813,497	476	2,797,963	1,660,602
Vessels entering port but not transiting Canal.	65	319,419	184,611	11	43,001	23,783
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	121	785,388	453,954	96	681,290	387,057
<i>Ships clearing</i>						
All vessels, including those transiting Canal...	511	3,045,774	1,807,969	478	2,781,115	1,651,440
Vessels clearing port but not transiting Canal.	61	309,287	178,740	15	49,997	29,759
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	119	775,862	448,065	96	673,243	380,904

### Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight, November 10, 1937, to midnight, December 10, 1937. Figures after names of vessels show, respectively, tons discharged and tons laden:

#### CRISTOBAL

Istmo, 0, 437	Hokkai Maru, 589, 138	Elbe, 269, 220	Contessa, 0, 374	Lobos, 149, 11
Acajutla, 0, 1,061	Santa Clara, 45, 4	Ancon, 2,577, 759	Nuevo Panama, 0, 94	Tsuyama Maru, 315, 0
Eidsvold, 1,102, 51	Dakarjan, 360, 69	Santa Barbara, 515, 11	Jeff Davis, 636, 0	Kwanto Maru, 551, 15
Cristobal, 3,368, 785	Amasis, 166, 85	Sagua, 186, 0	Dinteldijk, 20, 56	Talamanca, 245, 183
Santa Elena, 80, 373	San Blas, 263, 0	Fella, 83, 329	Genevieve Lykes, 356, 197	Iris, 0, 962
Stella Lykes, 783, 209	Buenaventura, 1,906, 457	Tai Ping, 593, 0	Pereira, 380, 998	Peter Kerr, 416, 23
Veragua, 15, 15	Istmo, 723, 207	Peten, 18, 14	Tres Amigos, 0, 42	Veragua, 20, 476
Santa Inez, 410, 66	Quirigua, 18, 28	Santa Rosa, 77, 116	Europa, 16, 164	Santa Inez, 227, 69
Brazil, 4, 165	Metapan, 395, 156	Sixaola, 669, 284	Kirishima Maru, 381, 0	Misoa, 6,063, 0
Santa Marta, 708, 391	Nuevo Panama, 234, 208	Cellina, 142, 0	Gansfjord, 0, 262	Dresden, 269, 93
San Clemente, 770, 30	Manizales, 989, 637	Boskoop, 282, 572	Mantilla, 5,677, 0	Acajutla, 309, 0
Cuba, 79, 1,023	Calamares, 389, 395	Istmo, 602, 0	Canadian Constructor, 791, 8	Peter Maersk, 405, 121
Crynsseu, 17, 745	Haiti, 90, 1,004	Istmo, 742, 142	Oklahoma, 150, 742	Santa Elena, 598, 14
Tolea, 440, 55	Delftdijk, 180, 296	Durazzo, 1,040, 920	Guayaquil, 2,273, 485	Cefalu, 420, 575
Colombia, 98, 1,035	Chio, 622, 108	Kunikawa Maru, 1927, 40	Veragua, 34, 29	Nyholt, 12,493, 0
Arica, 797, 0	Colombia, 126, 97	Pasajero, 15, 1	Orduna, 97, 13	Cristobal, 2,442, 0
Ino, 265, 157	West Iris, 192, 219	Karnak, 65, 129	Indiana, 307, 0	Rio de Janerio Maru, 0, 162
Nuevo Panama, 0, 61	Mecklenburg, 11, 252	Ulua, 364, 26	Washington, 230, 66	Darian, 509, 0
Breda, 124, 900	R. L. Hustler, 2, 0	San Antonio, 202, 116	San Benito, 311, 224	Loehgoil, 219, 137
Cerigo, 4, 339	Quirigua, 70, 38	Alaska, 105, 676	Santa Rita, 220, 108	Athelcrown, 9,886, 0
Cali, 766, 1,015	Reina del Pacifico, 104, 580	Este, 356, 320	Tivives, 691, 78	Helder, 0, 42
Naturo Maru, 1,092, 0	Orbita, 104, 5	Pastores, 52, 641	Trois Ilets, 314, 144	Santa Lucia, 23, 27
Trois Ilets, 0, 171	Rhokotis, 36, 27	Colombia, 0, 1,047	Hermonthis, 115, 95	Venezuela, 131, 18
Newsom, 6, 524	San Bernardino, 450, 0	San Felipe, 331, 0	Benj. Franklin, 512, 389	Alkmaar, 193, 0
Veragua, 134, 106	Santa Paula, 494, 0	Chiriqui, 186, 867	Chio, 448, 36	Ino, 399, 0
Santa Rita, 136, 5	Trois Ilets, 264, 0	Nero, 0, 39	Nero, 0, 63	Santa Marta, 752, 0
Caribia, 79, 15	Salvador, 314, 0	Duesseldorf, 111, 259	Abangarez, 11, 0	Trois Ilets, 311, 0
Seattle, 283, 499	Santa Lucia, 118, 10	Peten, 96, 0	Cerigo, 1,240, 426	Manizales, 1,132, 0
Vancouver, 708, 181	Nansenville, 5, 70	Adellen, 11,643, 0	Istmo, 768, 207	Quirigua, 24, 39
Orazio, 169, 0	Osnabrucek, 28, 128	De La Salle, 190, 0	Kimikawa Maru, 442, 0	Santa Paula, 438, 100
San Jose, 30, 188	Caribia, 57, 692	Santa Maria, 232, 1	Tolea, 458, 115	
Contessa, 355, 350	Cefalu, 633, 451	Contessa, 277, 0	Colombia, 129, 449	
Mayan, 122, 1,114	Allister, 363, 72	De La Salle, 0, 230		
Vito, 981, 0		Palatia, 0, 344		
Lochkatrine, 88, 120				

#### BALBOA

Nebraska, 0, 142	Santa Clara, 248, 38	Belita, 2,327, 0	Jeff Davis, 274, 0	Ludington, 567, 31
St. Mihiel, 475, 34	Atago Maru, 163, 0	Santa Barbara, 186, 19	Nirto, 17, 0	Pereira, 0, 20
Santa Inez, 161, 0	Pres. Van Buren, 27, 0	Elbe, 126, 0	Heijo Maru, 13, 0	Peter Maersk, 235, 0
Santa Elena, 68, 87	Delftdijk, 0, 157	Tai Ping, 300, 0	Santa Maria, 25, 0	Santa Elena, 121, 0
Emma Bakke, 1,827, 0	Santa Lucia, 49, 20	Este, 315, 0	Oklahoma, 3, 0	Santa Paula, 269, 0
Chateau Thierry, 910, 155	Antigua, 367, 29	Boskoop, 156, 110	Pennsylvania, 0, 101	Pres. Garfield, 11, 0
Talamanca, 463, 14	Mayan, 0, 56	Axel Johnson, 938, 0	Santa Rita, 123, 11	Santa Lucia, 31, 0
Santa Rita, 1, 16	Santa Paula, 82, 0	Neches, 4,230, 0	Talamanca, 137, 0	Santa Rosa, 46, 69
Awobasan Maru, 10, 0	Salvador, 2, 0	La Placentia, 11,142, 0	St. Mihiel, 158, 23	
	Osnabrucek, 24, 0	Chiriqui, 126, 0	Santa Inez, 23, 0	

NOTE.—Figures shown represent short tons of 2,000 pounds.

### Passengers

Ocean ship passengers disembarking at Cristobal numbered 2,416; embarking 2,121; at Balboa, 1,113 disembarking and 1,038 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 4,021, from the Pacific to the Atlantic, 4,545. Aircraft numbering 59 entered Cristobal, and 218 passengers disembarked; clearances were 58, with 235 passengers embarking; at Balboa entries of aircraft were 62, with 111 passengers disembarking; clearances, 62, with 108 passengers embarking.

### Current Net Prices on Fuel Oil and Diesel Oil

Bunker fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal. Prices will be furnished on application.

Bunker fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Fuel oil, \$1.20 per barrel at Cristobal and Balboa; Diesel oil, \$2.00 per barrel at Cristobal and Balboa.

### Movements of Ocean Vessels Through the Panama Canal From midnight November 10, 1937, to midnight December 10, 1937

## ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Port Montreal <sup>2</sup>	10	11	Brit...	Mont.-Aust.-N.Z.Line	Montreal,Canada	Australia	General	5,455
William Luckenbach	11	11	Amer..	Luckenbach Line	Providence, R. I.	Tacoma, Wash.	General	2,405
Port Hobart <sup>2</sup>	11	11	Brit...	Port Line	Kingston, Jam.	Dunedin, N. Z.	General	5,064
Kakapo	11	11	Brit...	Union S. S. Co. of N. Z.	Glasgow, Scot.	S. Francisco, Cal.	Ballast	.....
Franz Klasen <sup>1 2</sup>	11	11	Pan...	W. Tankerschiff Rhed.	Hamburg, Ger.	Talara, Peru	Ballast	.....
Hanley	11	11	Amer..	Weyerhaeuser S. S. Co	New York, N. Y.	Seattle, Wash.	(15)	6,156
Munchen <sup>2</sup>	10	12	Ger...	North German Lloyd.	Hamburg, Ger.	Corral, Chile	General	5,013
Baron Jedburgh	11	11	Brit...	Hogarth Shipping Co.	Philadelphia, Pa.	Yokohama, Japan	Pig iron	6,998
City of Canton	11	12	Brit...	Ellerman & Bucknall.	Montreal,Canada	Kobe, Japan	(16)	6,032
Emma Bakke <sup>2</sup>	11	14	Nor...	Knut Knutsen, O.A.S.	Goth'burg, Swed.	Valparaiso, Chile.	General	3,207
Kiyosumi Maru <sup>2</sup>	12	12	Jap...	Kokusai Kisen Kaisha	New York, N. Y.	Kobe, Japan	Steel,tin,gen.	7,405
Istmo	10	12	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	700
Minerva <sup>2</sup>	12	12	Nor...	Chile. Nit. Sales Corp.	Wilmington, N.C.	Chile	Ballast	.....
Trondanger <sup>2</sup>	11	12	Nor...	Interocean S. S. Co.	London, England	Vancouver, B. C.	General	422
Santa Inez <sup>2</sup>	12	12	Amer..	Grace Line	New York, N. Y.	Antofagasta, Chile	(17)	1,986
Santa Elena	12	13	Amer..	Grace Line	New York, N. Y.	S. Francisco, Cal.	General	2,675
Embassage	13	13	Brit...	Anglo-Can. S. S. Co.	Cardiff, England.	Vancouver, B. C.	Ballast	.....
Queen Maud <sup>2</sup>	12	13	Brit...	Westralian Farmers	Freeport, Tex.	Adelaide, Aust.	Crude sulph.	8,348
Brazilian Hefer <sup>2</sup>	13	13	Dan...	United Fruit Co.	Haifa, Palestine.	Pto. Arm. Iles, R.P.	Ballast	.....
San Clemente	12	13	Amer..	Calif. Eastern Line.	Philadelphia, Pa.	Tacoma, Wash.	General	3,565
Panaman	13	13	Amer..	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	4,115
Chateau Thierry <sup>8</sup>	13	13	Amer..	U. S. Army	New York, N. Y.	Balboa, C. Z.	General	838
Arawa	14	14	Brit...	Shaw, Savill & Albion	London, England	Auckland, N. Z.	General	5,919
Acacia <sup>13</sup>	10	14	Amer..	U. S. Government.	San Juan, P. R.	Balboa, C. Z.	Ballast	.....
Chattanooga City	13	14	Amer..	Isthmian S. S. Lines.	Baltimore, Md.	Seattle, Wash.	General	4,378
Washingtonian	13	14	Amer..	Amer.-Hawaiian Line.	Baltimore, Md.	Tacoma, Wash.	General	5,220
Eastern Glade	14	14	Amer..	McCormick S. S. Co.	Norfolk, Va.	Seattle, Wash.	General	2,670
Strix <sup>1 2</sup>	14	14	Nor...	Anglo-Saxon Pet. Co.	Goth'burg, Swed.	Los Angeles, Cal.	Ballast	.....
Teoka	14	15	Brit...	N. Z. Shipping Co.	Liverpool, Eng.	Frem'te, Auslia	General	6,979
Katendrecht <sup>1 2</sup>	14	14	Neth.	Phs. V. Ommeren	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	.....
Amagisan Maru <sup>2</sup>	14	14	Jap...	Mitsui Bussan Kaisha	Philadelphia, Pa.	Dairen, China	Copper, iron.	7,715
Ino <sup>2</sup>	13	14	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	144
Downes <sup>9</sup>	14	17	Amer..	U. S. Navy	U. S. port.	San Diego, Calif.	Ballast	.....
Nuevo Panama <sup>2</sup>	13	14	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	210
Balch <sup>9</sup>	14	15	Amer..	U. S. Navy	Boston, Mass.	San Diego, Calif.	Ballast	.....
Winslow <sup>9</sup>	14	15	Amer..	U. S. Navy	Guantanamo, Cuba.	Los Angeles, Cal.	Ballast	.....
Breda	13	15	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	2,481
Marna	14	15	Dan...	West Coast Line.	New York, N. Y.	Talcahuano, Chile	General	2,200
Steel Navigator	15	15	Amer..	Isthmian S. S. Lines.	Baltimore, Md.	Hongkong, China	(17)	8,084
Florence Luckenbach	15	15	Amer..	Luckenbach Line	Houston, Tex.	Seattle, Wash.	General	3,500
Trois Ilets	14	15	Fr...	French Line	Cristobal, C. Z.	B'ventura, Col.	General	178
Point Chico	15	15	Amer..	Swayne & Hoyt	Houston, Tex.	Tacoma, Wash.	General	5,133
Bronxville <sup>2</sup>	15	15	Nor...	Fern Line	Tampa, Fla.	Haiphong, China.	(18)	7,513
Guadeloupe <sup>2</sup>	15	15	Fr...	French Line	Dieppe, France.	Vancouver, B. C.	Ballast	.....
Orazio <sup>2</sup>	15	16	Ital.	Societa Italia.	Genoa, Italy	Valparaiso, Chile.	General	872
Plunger <sup>7</sup>	13	16	Amer..	U. S. Navy	High seas.	San Diego, Calif.	Ballast	.....
Rotula <sup>1 2</sup>	15	16	Neth.	Anglo-Saxon Pet. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	.....
Forest <sup>2</sup>	15	16	Brit...	Seaboard Shipping Co.	Sunderland, Eng.	Brit. Columbia	Ballast	.....
Scottish Heather <sup>1</sup>	16	16	Brit...	Standard Oil of N. J.	Aruba, N. W. I.	S. Antonio, Chile.	Fuel oil	10,530
Hokuroku Maru <sup>2</sup>	16	16	Jap...	Osaka Shosen Kaisha.	Santos, Brazil	Kobe, Japan	General	7,478
Parracombe	15	16	Brit...	Mersey Paper Co.	Liverpool, N. S.	Auckland, N. Z.	Newsprint	4,411
Oregonian	16	16	Amer..	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General	2,368
Acajuna	9	16	Brit...	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'co, Guat.	General	1,051
Brynmor	15	16	Brit...	Brynmor S. S. Co.	Cardiff, England.	S. Francisco, Cal.	Ballast	.....
Heranger <sup>2</sup>	16	16	Nor...	Interocean S. S. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Passengers	.....
Cerigo	13	16	Ger...	Hamburg-Amer. Line.	Manauere, Col.	Guayaquil, Ecu.	Salt, gen. flour	1,055
Pan Norway <sup>1 2</sup>	16	17	Nor...	Standard Oil of N. J.	Falmouth, Eng.	Talara, Peru	Ballast	.....
Vancouver	15	16	Ger...	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B. C.	General	2,574
Porto Bello <sup>3</sup>	16	16	Pan...	A. Tzaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
W. S. Miller <sup>1</sup>	17	17	Amer..	Standard Oil of Calif.	New York, N. Y.	S. Francisco, Cal.	Lub. oil	10,000
Cal.	13	17	Ger...	North German Lloyd.	Cristobal, C. Z.	Valparaiso, Chile.	General	989
Caduceus	17	17	Brit...	Anglo-Can. S. S. Co.	Barry, England.	Vancouver, B. C.	Ballast	.....
Montrolite <sup>1 2</sup>	17	17	Brit...	Imperial Oil Co.	Montreal,Canada	Talara, Peru	Ballast	.....
Fernbank <sup>2</sup>	17	17	Nor...	Fern Line	Tampa, Fla.	Osaka, Japan	General	7,002
Real <sup>2</sup>	16	16	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Sona <sup>2</sup>	16	16	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Taira <sup>2</sup>	16	16	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Frank <sup>3</sup>	17	17	Pan...	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>	.....	25
Warwick <sup>1</sup>	18	18	Amer..	Union Oil Co., Calif.	Paulsboro, N. J.	Pt. San Luis, Calif.	Ballast	.....
Chr. Knudsen <sup>2</sup>	18	18	Nor...	Canadian Transp. Co.	Immingham, Eng.	S. Francisco, Cal.	Ballast	.....
Portmar	17	18	Amer..	Calmar Line	Baltimore, Md.	Los Angeles, Cal.	Steel, gen.	6,615
Arna <sup>2</sup>	18	18	Nor...	S. M. Kuhnle & Sons.	New York, N. Y.	Los Angeles, Cal.	Ballast	.....

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>7</sup> Submarine. <sup>8</sup> Transport. <sup>9</sup> Destroyer. <sup>13</sup> Lighthouse tender.<sup>14</sup> For bananas and return to Cristobal. <sup>15</sup> Sand, steel, general. <sup>16</sup> Asbestos, scrap, etc. <sup>17</sup> Steel, iron, general.<sup>18</sup> Steel products, general, etc. <sup>19</sup> Phosphate, lead, cotton.



## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Santa Clara	19	19	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,986
Elin K.	18	18	Nor.	Chile Nit. Sales Corp.	Sorel, Canada	Tocopilla, Chile	Ballast	
Breckenridge			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
L-53			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
J-26			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Firmore	18	19	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
California	19	19	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	2,239
Walter A. Luckenbach	19	19	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,558
Polzella	18	19	Brit.	Mitsubishi Line	Lake Charles, La.	Yokohama, Japan	Scrap iron	7,815
President Van Buren	20	20	Amer.	Dollar Line	New York, N. Y.	S. Francisco, Cal.	General	4,788
Leverbank	20	20	Brit.	Canadian Transp. Co.	Montreal, Canada	Vancouver, B. C.	General	4,149
Chapaiev	17	20	USSR	Russian Government	New York, N. Y.	Vlad'ok, U.S.S.R.	Tinplate	2,200
Santore	20	20	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Edgar F. Luckenbach	20	20	Amer.	Luckenbach Line	Mobile, Ala.	Tacoma, Wash.	General	2,905
Lady Clara	15		Amer.	B. W. Stephenson	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Nuevo Panama	19	21	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	210
Dallington Court	20	21	Brit.	Anglo-Can. S. S. Co.	Barry, England	Vancouver, B. C.	Ballast	
Iowan	20	21	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	4,368
Washington Express	21	21	Nor.	Fruit Express Line	Glasgow, Scot.	Los Angeles, Cal.	Ballast	
Nako Maru	21	21	Jap.	Nippon Yusen Kaisha	Boston, Mass.	Kobe, Japan	Steel, gen.	7,865
Queen Victoria	21	21	Brit.	Thomas Dunlop & Sons	New Orleans, La.	Hongkong, China	Gasoline	6,312
President de Vogue	20	26	Nor.	Comp.des Prod.Chem. et Raff. de Berre.	Port de Boue, Fr.	Talara, Peru	Ballast	
Clio	20	21	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	99
Istmo	18	21	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	370
Bethore	21	21	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Delftdijk	20	23	Neth.	N. Pac. Coast Line	Rotterdam, Neth.	Vancouver, B. C.	General	2,847
Tuira	20		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu	20		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Dezrine			Amer.	P. A. Launsett	Cristobal, C. Z.	Balboa, C. Z.	(13)	
Sea Hawk			Amer.	P. A. Launsett	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Pomona	21	22	Amer.	Pac. Coast Dir. Line	New York, N. Y.	Seattle, Wash.	General	3,703
Selma City	21	22	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Seattle, Wash.	Steel, gen.	2,937
Point Ancha	21	22	Amer.	Swayne & Hoyt	New Orleans, La.	Seattle, Wash.	General	4,175
Kahuku	22	22	Amer.	Matson Nav. Co.	Baltimore, Md.	Honolulu, T. H.	(14)	1,987
West Isis	21	22	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Seattle, Wash.	Cocoa, coffee	2,313
Regulus	21	22	Swed.	Magnus Konow	New York, N. Y.	Los Angeles, Cal.	Ballast	
Mayan	16	23	Amer.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	1,120
Mecklenburg	21	22	Ger.	Hamburg-Amer. Line	Gibara, Cuba	Osaka, Japan	(15)	9,314
Manzales	19	22	Ger.	North German Lloyd	Cristobal, C. Z.	Guayaquil, Ecu.	General	579
Reina del Pacifico	22	22	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile	General	2,973
San Bernardino	22	23	Amer.	States S. S. Co.	New York, N. Y.	Tacoma, Wash.	General	3,853
Pacific Grove	22	23	Brit.	Furness (Pacific) Ltd.	Glasgow, Scot.	Portland, Oreg.	General	1,686
Matsumoto Maru	22	23	Jap.	Nippon Yusen Kaisha	Hamburg, Ger.	Yokohama, Japan	(16)	4,009
Malayan Prince	22	23	Brit.	Union Line, Ltd.	New York, N. Y.	Hongkong, China	General	6,800
Herman F. Whiton	23	23	Amer.	Union Sulphur Co.	Freeport, Tex.	Everett, Wash.	Sulphur	7,385
Anna Maersk	23	23	Den.	Isbrndtson Moller	Boston, Mass.	Manila, P. I.	General	6,852
Frank	23	23	Pan.	E. J. Hooper	Cristobal, C. Z.	Ped. Miguel, C. Z.	(17)	
Matakana	23	23	Brit.	Shaw, Savill & Albion	Glasgow, Scot.	Pt. Chalmers, N.Z.	General	6,094
Sandham	23	23	Swed.	Canadian Transp. Co.	Botwood, Nfld.	Tacoma, Wash.	Copper	7,701
Isthmian	23	23	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Tacoma, Wash.	General	4,041
Skjelbred	22	23	Nor.	Kawasaki Line	New York, N. Y.	Yokohama, Japan	General	6,937
Californian	23	23	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	3,286
Geddington Court	23	23	Brit.	Canadian Transp. Co.	Barry, England	Vancouver, B. C.	Ballast	
Belita	23	24	Nor.	Hans Kristoffersen	St. Nio's, N.W.I.	Corinto, Nic.	Fuel oil	10,050
Porto Bello	23	23	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Taylor	20	20	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Chelsea	23	24	Brit.	Chile Nit. Sales Corp.	Delfzyl, Neth.	Tocopilla, Chile	Ballast	
Lindenhall	24	24	Brit.	Anglo-Can. Lum. Co.	W. Hartlep, Eng.	Vancouver, B. C.	Ballast	
Union	23	23	Pan.	A. Valdes	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona	23	23	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real	23	23	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Zacapa	24	25	Amer.	United Fruit Co.	Philadelphia, Pa.	S. Francisco, Cal.	Ballast	
Elbe	24	25	Ger.	North German Lloyd	Hamburg, Ger.	Vancouver, B. C.	General	6,798
Paul Luckenbach	25	25	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,150
Martin Bakke	25	25	Nor.	Knutsen Line	Belfast, Ireland	Vancouver, B. C.	Passengers	
Santa Barbara	25	26	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile	General	2,824
Port Darwin	25	26	Brit.	Port Line	Philadelphia, Pa.	Brisbane, Aus'lia	General	7,073
West Cape	25	26	Amer.	McCormick S. S. Co.	New York, N. Y.	Los Angeles, Cal.	General	5,428
Steel Age	25	26	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Honolulu, T. H.	(18)	2,453
Vinni	26	26	Nor.	Kawasaki K. Kaisha	Port Tampa, Fla.	Osaka, Japan	Phos., cotton	6,744
Hadleigh	26	26	Brit.	Seaboard Ship. Co.	Barry, England	Vancouver, B. C.	Ballast	
Santa Rosa	26	27	Amer.	Grace Line	New York, N. Y.	S. Francisco, Cal.	General	2,451

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Destroyer. <sup>13</sup> Towing cayuco No. 5627. <sup>14</sup> Steel, tinplate, general. <sup>15</sup> Oil, lead, cotton, etc. <sup>16</sup> Bomb parts, iron, etc. <sup>17</sup> For scrap iron and unload at Gatun, return with 25 tons bananas for Cristobal. <sup>18</sup> Steel, autos, general, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Rangitane <sup>2</sup>	26	27	Brit.	N. Z. Shipping Co.	London, England	Wellington, N. Z.	General	4,330
Illinois <sup>1</sup>	26	26	Amer.	The Texas Co.	Pt. Arthur, Tex.	Los Angeles, Cal.	Lub. oil	9,285
Erlangen	26	27	Ger.	North German Lloyd	New Orleans, La.	Adelaide, Aust'lia	(14)	8,350
Real <sup>2</sup>	25	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Boskoop	26	28	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Talcahuano, Chile	General	2,221
Northleigh	26	27	Brit.	Anglo-Can. S. S. Co.	Barry, England	Vancouver, B. C.	Ballast	
Australian Reefer	26	27	Dan.	J. Lauritzen	Dieppe, France	Seattle, Wash.	Ballast	
Axel Johnson <sup>2</sup>	26	28	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B. C.	Gen., cement	3,917
Sea Thrush	27	27	Amer.	Shepard S. S. Co.	Albany, N. Y.	Tacoma, Wash.	General	4,323
Trois Ilets	23	27	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	Ballast	
Alaskan	27	27	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,930
Ino <sup>2</sup>	26	27	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	Ballast	
Nestos	27	27	Greek.	Low & Partners, Ltd.	Cardiff, England	Ant'fagasta, Chile	Coal	7,015
Greystoke Castle <sup>2</sup>	27	27	Brit.	Barber Line	Baltimore, Md.	Dairen, China	General	6,682
Celina <sup>2</sup>	26	27	Ital.	Italia	Trieste, Italy	Vancouver, B. C.	General	1,059
Yorkmar	27	28	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Gen., steel	8,715
Marne Maru	26	28	Jap.	K. Line	Boston, Mass.	Los Angeles, Cal.	Scrap steel	7,853
Karnak	27	27	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Talcahuano, Chile	General	5,513
S-43 <sup>7</sup>	27	27	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Istmo	26	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	260
San Antonio	27	28	Fr.	French Line	Havre, France	Vancouver, B. C.	(15)	5,866
Etrickbank <sup>2</sup>	27	28	Brit.	Canadian Transp. Co.	Sunderland, Eng.	Portland, Oreg.	Ballast	
Corrientes	27	28	Brit.	Donaldson Line	Glasgow, Scot.	N. Westm'g, B.C.	General	860
Katrina Luckenbach	27	28	Amer.	Luckenbach Line	New Orleans, La.	Seattle, Wash.	General	2,804
Silverteak <sup>2</sup>	28	28	Brit.	Silver Line, Ltd.	Savannah, Ga.	Los Angeles, Cal.	Psgrs. only	
Baru <sup>2</sup>	27	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	Ballast	
Port Campbell	28	29	Brit.	Com'lth & Dom. Line	London, England	Auckland, N. Z.	General	8,691
Tuira <sup>2</sup>	27	29	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Alaska	27	29	Fr.	French Line	Havre, France	Valparaiso, Chile	General	2,211
San Felipe	28	29	Amer.	Quaker Line	Norfolk, Va.	Tacoma, Wash.	Gen., steel	3,219
Dusseldorf <sup>2</sup>	28	29	Ger.	North German Lloyd	Hamburg, Ger.	Talcahuano, Chile	General	4,912
Nero <sup>2</sup>	28	29	Neth.	Royal Neth. S. S. Co.	Amsterdam, Neth.	Guayaquil, Ecua.	General	32
Frida	28	29	Dan.	West Coast Line	New York, N. Y.	Talcahuano, Chile	General	2,437
Turrialba	28	2	Amer.	United Fruit Co.	Philadelphia, Pa.	S. Francisco, Cal.	Ballast	
Honouu	28	29	Amer.	Isthmian S. S. Lines	Portland, Me.	Tacoma, Wash.	(16)	3,622
Asakano Maru <sup>2</sup>	29	29	Jap.	Mitsui & Co.	New York, N. Y.	Dairen, China	General	6,214
Durazzo	26	29	Ger.	Hamburg-Amer. Line	Cristobal, C. Z.	Guayaquil, Ecua.	General	836
El Oso <sup>1</sup>	29	30	Brit.	C. T. Bowring & Co.	Birkenhead, Eng.	Cabo Bl'co, Peru	Ballast	
City of Eastbourne	29	30	Brit.	Ellerman & Bucknall	Montreal, Canada	Dairen, China	General	7,812
Sanyo Maru <sup>2</sup>	30	30	Jap.	Osaka Shosen Kaisha	Boston, Mass.	Kobe, Japan	General	7,298
City of Manchester	29	30	Brit.	Norton, Lilly & Co.	New York, N. Y.	Adelaide, Aust'lia	General	6,739
Ida Knudsen <sup>1 2</sup>	30	1	Nor.	Standard Oil of N. J.	Caripito, Venez.	Tocopilla, Chile	(17)	13,997
Tasmania <sup>2</sup>	30	30	Dan.	Kawasaki K. Kaisha	Baltimore, Md.	Dairen, China	Rails, phos.	7,218
Virginian	30	30	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	2,359
Maria Cristina <sup>3</sup>	30	30	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Salvador	22	1	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	854
Chineba	1	1	Amer.	Griffiths S. S. Co.	Galveston, Tex.	Seattle, Wash.	Sulphur	4,846
King Robert	30	1	Brit.	Anglo-Can. S. S. Co.	Cardiff, Eng.	Vancouver, B. C.	Ballast	
Suez II <sup>6</sup>	1	0-6	3 Amer.	Chas. V. B. Reilly	Milwaukee	Round the world	Ballast	
Adellen <sup>1 2</sup>	29	1	Brit.	Union Oil Co.	Cristobal, C. Z.	Cabo Bl'co, Peru	Ballast	
Leikanger	1	1	Nor.	Westfal, Larsen & Co.	Buenos Aires, Arg.	Vancouver, B. C.	General	2,722
Tropic Star <sup>2</sup>	1	1	Nor.	Chile Nit. Sales Corp.	Charleston, S. C.	Tocopilla, Chile	Ballast	
Hazon City <sup>2</sup>	1	1	Brit.	States Marine Corp.	Baltimore, Md.	Osaka, Japan	Copper, iron	8,116
Develiside	30	1	Brit.	Canadian Transp. Co.	Montreal, Canada	N. Westm'g, B.C.	General	7,000
Schors	1	2	Kus.	U. S. S. R.	Baltimore, Md.	Vladivostok, R. Rus.	Tinplate	2,790
Nuevo Panama <sup>2</sup>	30	1	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Puntarenas, C.R.	General	95
GM2-11 <sup>3</sup>	1	1	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Frank <sup>2</sup>	1	1	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>	Ballast	25
Lt. Col. H. C. Schumm <sup>4</sup>	30	1	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	30	1	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona <sup>2</sup>	30	1	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
President Lincoln	2	2	Amer.	Dollar Line	Boston, Mass.	Manila, P. I.	Gen., paper	5,059
Neches <sup>1</sup>	30	2	Amer.	U. S. Navy	Cristobal, C. Z.	San Diego, Calif.	Ballast	
Point Clear	1	2	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	(18)	6,265
Gaelic Star	2	2	Brit.	Blue Star Line	Valencia, Spain	Vancouver, B. C.	Ballast	
Fresno City <sup>2</sup>	2	2	Dan.	Stens, Ltd.	New Orleans, La.	Hongkong, China	Gasoline	6,435
Europa <sup>2</sup>	2	2	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	(19)	748
Red Sea	2	2	Brit.	Anglo-Can. S. S. Co.	Cardiff, England	Brit. Columbia	Ballast	
Kaimata <sup>2</sup>	2	3	Brit.	Mont.-Aust.-N.Z. Line	Montreal, Canada	Sydney, Aust'lia	General	4,096
Henry D. Whiton	2	2	Amer.	Union Sulphur Co.	Freeport, Tex.	Tacoma, Wash.	Sulphur	6,300
Moorby <sup>2</sup>	2	3	Brit.	Ropner Shipping Co.	London, England	Vancouver, B. C.	Ballast	
Pennsylvania <sup>3</sup>	3	4	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	2,172
Julia Luckenbach	3	3	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	Gen., autos.	2,494

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>6</sup> Yacht. <sup>7</sup> Submarine. <sup>13</sup> For bananas and return to Cristobal. <sup>14</sup> Sulphur, asphalt, etc. <sup>15</sup> Sand, coke, coffee. <sup>16</sup> General, steel, oils. <sup>17</sup> Fuel and Diesel oil. <sup>18</sup> Steel, general, sulphur. <sup>19</sup> Peat moss, general, etc.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Oklahoman	32	3	Amer.	Grace Line	Baltimore, Md.	Valparaiso, Chile.	General	4,407
Auretta	32	4	Brit.	Union Oil, Melbourne	Tampico, Mex.	Melbourne, Aust.	(16)	8,200
Nathan	33	3	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>15</sup>		20
Santa Rita	33	4	Amer.	Grace Line	New York, N. Y.	Ant'fagasta, Chile	General	1,920
Steele	4	4	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Ohioan	4	4	Amer.	Amer.-Hawaian Line.	Jacksonville, Fla.	Seattle, Wash.	General	4,502
Winona	4	4	Amer.	Pae. Coast Dir. Line.	New York, N. Y.	Tacoma, Wash.	General	4,100
St. Mihiel	2	6	Amer.	U. S. Army	Brooklyn, N. Y.	S. Francisco, Cal.	Supplies	250
Vibrant	4	4	Nor.	O. A. Knutsen	Falmouth, Eng.	Los Angeles, Cal.	Ballast	
Lautaro	2	5	Brit.	Pacific Steam Nav. Co.	Hull, England	Talcahuano, Chile	General	2,987
Clio	3	5	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	33
Pennsylvanian	4	5	Amer.	Amer.-Hawaian Line.	Boston, Mass.	Portland, Oreg.	General	2,230
Hermionthis	3	5	Fr.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General	3,954
Trois Ilets	3	5	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	144
Nero	3	5	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	56
Jonna	5	5	Dan.	J. Lauritzen	Hook of Holland.	Seattle, Wash.	Ballast	
Kongo Maru	5	5	Jap.	Kokusai Kisen Kaisha	New York, N. Y.	Kobe, Japan	General	7,775
Benjamin Franklin	3	5	Nor.	Fred Olsen & Co.	Oslo, Norway	Vancouver, B. C.	General	5,874
Golden Cross	5	5	Amer.	Isthmian S. S. Lines.	Mobile, Ala.	S. Francisco, Cal.	Steel	5,700
King Edgar	5	6	Brit.	Canadian Transp. Co.	New York, N. Y.	Vancouver, B. C.	Ballast	
Taira	4	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real	4	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Langley	1	1	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Ferneliff	5	6	Nor.	Chile Nit. Sales Corp.	Baltimore, Md.	Chile	Ballast	
Abangarez	3	10	Amer.	United Fruit Co.	New York, N. Y.	S. Francisco, Cal.	Ballast	
Surrey	5	6	Brit.	Mont.-Aust.-N.Z. Line	Montreal, Canada	Melbourne, Aust.	General	5,692
American Reefer	2	6	Dan.	J. Lauritzen	Haifa, Palestine.	Los Angeles, Cal.	Ballast	
Cerigo	3	6	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecu.	General	387
Istmo	3	6	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	530
Peter Kerr	6	6	Amer.	Quaker Line	Philadelphia, Pa.	Seattle, Wash.	General	2,998
Misoa	6	6	Brit.	Lago Shipping Co.	Aruba, N. W. I.	Balboa, C. Z.	Drydocking	
Percira	1	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	998
Brimanger	6	7	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Los Angeles, Cal.	General	63
Constance Chandler	6	7	Amer.	Matson Nav. Co.	Baltimore, Md.	Honolulu, T. H.	General	4,572
Kent	6	7	Brit.	Federal Steam Nav. Co.	New York, N. Y.	Dunedin, N. Z.	General	4,291
Texmar	6	7	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	6,759
Taketoyo Maru	7	7	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Dairen, China	Steel, gas.	8,315
Corwall	7	8	Brit.	Federal Steam Nav. Co.	Swansea, Eng.	N. Plymouth, N. Z.	General	12,144
Federal	7	8	Brit.	G. E. Marden	New Orleans, La.	China	Ballast	
Pacific Enterprise	7	7	Brit.	Furness, Withy & Co.	Glasgow, Scot.	Vancouver, B. C.	General	851
Felipe, Jr.	5	8	Pan.	Felipe Yee	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Coloradan	7	8	Amer.	Amer.-Hawaian Line.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	1,644
West Notus	8	8	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	Steel, gen.	2,185
Baru	7	8	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Arkansan	7	8	Amer.	Amer.-Hawaian Line.	New York, N. Y.	S. Francisco, Cal.	Soda ash	6,000
Corabella	7	8	Brit.	Van.-St. Lawrence Co.	Montreal, Canada	Victoria, B. C.	General	5,300
Leticia	6	8	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	62
Oregon Express	7	8	Nor.	Fruit Express Line.	Glasgow, Scot.	Pto. Arm'les, R.P.	Ballast	
Point Lobos	8	8	Amer.	Swayne & Hoyt	Beaumont, Tex.	Seattle, Wash.	General	4,040
Vito	7	8	Nor.	Kawasaki K. Kaisha.	S. Boca Gr'de, Fla.	Yokohama, Japan	Phosphate	6,800
Loosdrecht	8	8	Neth.	Shell Oil of Calif.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
Rhexenor	8	8	Brit.	Alfred Holt & Co.	New York, N. Y.	Hongkong, China	General	5,385
Beatus	8	8	Brit.	Andrew Weir & Co.	Cardiff, England.	Papeete, Chi. Is.	Coal	3,998
Rio de Janeiro Maru	8	9	Jap.	Osaka Shosen Kaisha.	Buenos Aires, Arg.	Kobe, Japan	Cotton, gen.	3,642
Anhalt	8	8	Ger.	North German Lloyd.	Tampico, Mexico	Auckland, N. Z.	Asphalt, gen.	8,093
Laila	8	9	Dan.	West Coast Line	New York, N. Y.	Talcahuano, Chile	General	2,083
Sona	7	8	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Frank	8	8	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>15</sup>		25
S-43	1	1	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Lochgoil	8	10	Brit.	N. Pac. Coast Line	Rotterdam, Neth.	Vancouver, B. C.	General	3,237
Canadian Cruiser	9	10	Brit.	Mont.-Aust.-N.Z. Line	Montreal, Canada	Adelaide, Aust'lia	Gen. newspt	4,487
Timber Rush	9	9	Amer.	Shepard S. S. Line	Boston, Mass.	Tacoma, Wash.	General	3,376
Pontypridd	9	9	Brit.	Andrew Weir & Co.	Baltimore, Md.	Yokohama, Japan	(17)	4,057
Clydebank	9	9	Brit.	Bank-Gulf Aust. Lines	Tampico, Mexico	Adelaide, Aust'lia	(18)	7,317
Andrea F. Luckenbach	9	9	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	1,846
Winslow	7	7	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Miramor	5	7	Pan.	C. J. Samuels	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Flying Cloud	14	10	Amer.	F. W. Hoorn	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
President Garfield	10	10	Amer.	Dollar Line	Colombo, Ceylon	Round the world	General	2,627
Santa Lucia	9	10	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,852
Pollaek	7	10	Amer.	U. S. Navy	Portsmouth, N. H.	San Diego, Calif.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Submarine. <sup>6</sup> Transport. <sup>7</sup> Aircraft carrier. <sup>8</sup> Sailboat. <sup>9</sup> For bananas and return to Cristobal. <sup>10</sup> Drummed asphalt. <sup>11</sup> Steel, copper, oils. <sup>12</sup> Oil products, general.



ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Permit 7	7	10	Amer.	U. S. Navy	Portsmouth, N.H.	San Diego, Calif.	Ballast	
Leo Dawson	9	10	Brit.	Chile Nit. Sales Corp.	Sette, France	Chile	Ballast	
District of Columbia 1	9	10	Amer.	Standard Oil of Calif.	Philadelphia, Pa.	S. Francisco, Cal.	Ballast	
Falsterbo 2	10	10	Swed.	Anglo-Can. S. S. Co.	Antwerp, Belgium	Vancouver, B. C.	General	2,434
Steel Seafarer	10	10	Amer.	Isthmian S. S. Lines	New York, N. Y.	Dairen, China	(13)	8,357
Mexican	10	10	Amer.	Amer-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	2,550
Arundo	10	10	Neth.	Chile Nit. Sales Corp.	Rotterdam, Neth.	Tocopilla, Chile	Ballast	
Chilore	10	10	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Santa Paula	10	11	Amer.	Grace Line	New York, N. Y.	S. Francisco, Cal.	General	2,290
William B. Alexander 4	10	10	Amer.	United Fruit Co.	New Orleans, La.	Puntarenas, C. R.	Ballast	

PACIFIC TO ATLANTIC

Eidsvold 2	11	12	Nor.	Kawasaki K. Kaisha	Kobe, Japan	New York, N. Y.	General	6,862
Hawaiian	11	11	Amer.	Amer-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	6,507
Trelissick	11	11	Brit.	Anglo-Can. S. S. Co.	Victoria, B. C.	London, England	(15)	7,570
Elisabeth Bakke 2	11	11	Nor.	Knutsen Line	Vancouver, B. C.	Glasgow, Scot.	Lumber, gen.	6,681
Meton 1	10	12	Amer.	Shell Oil Co.	Los Angeles, Cal.	Curacao, N. W. I.	Ballast	
Canada 2	11	12	Swed.	Johnson Line	Portland, Oreg.	Goth'burg, Swed.	Barley, gen.	7,532
Brasil 2	11	12	Swed.	Johnson Line	Vancouver, B. C.	Stockholm, Swed.	Grain, gen.	5,899
Sage Brush	12	12	Amer.	Shepard S. S. Co.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,535
Alabaman	12	12	Amer.	Amer-Hawaiian Line	Seattle, Wash.	Baltimore, Md.	General	9,091
St. Mihiel 5	11	13	Amer.	U. S. Army	S. Francisco, Cal.	Brooklyn, N. Y.	Army stores	236
Maranon	10	28	Peru	Cia. Peruana, V. D.	Callao, Peru	Iquitos, Peru	General	1,148
Lena Luckenbach	12	13	Amer.	Luckenbach-Gulf Co.	Portland, Oreg.	Mobile, Ala.	Gen. lumber	6,327
Nuevo Panama 2	13	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	95
King Lud 2	13	13	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Hull, England	Lumber, gen.	8,426
Csikos	13	13	Hung.	Chile Nit. Sales Corp.	Tocopilla, Chile	Gibraltar 14	Nit. of soda	7,185
Vernar	13	13	Amer.	Calmar S. S. Corp.	Aberdeen, Wash.	New York, N. Y.	Lumber	7,500
Arica	13	14	Fr.	French Line	Valparaiso, Chile	Havre, France	Copper, gen.	8,203
Emergency Aid	13	13	Amer.	McCormick S. S. Co.	Pt. Town'd, Wash.	Norfolk, Va.	Gen. lumber	6,541
Calif	13	17	Ger.	North German Lloyd	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	698
Ino 2	13	14	Neth.	Royal Neth. S. S. Co.	B'vntura, Col.	Cristobal, C. Z.	(16)	241
Porto Bello 2	13	16	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(17)	9
Gregalia	13	14	Brit.	Donaldson Bros.	Vancouver, B. C.	Glasgow, Scot.	General	6,278
El Ciervo 1	13	14	Brit.	C. T. Bowring & Co.	Cabo Bl'co, Peru	Antwerp, Belgium	Crude oil	7,860
Helen Whittier	13	14	Amer.	Matson S. S. Co.	Honolulu, T. H.	Baltimore, Md.	(18)	8,000
Naruto Maru 2	14	14	Jap.	Nippon Yusen Kaisha	Keelung, Japan	New York, N. Y.	General	3,889
Utahan	13	14	Amer.	Amer-Hawaiian Line	S. Francisco, Cal.	Bridgeport, Conn.	Lumber, gen.	8,202
Boris	14	14	Greek	Seaboard Shipping Co.	N. Westm'er, B.C.	Swansea, Eng.	Lum., wheat	6,910
Basilea 1 2	14	14	Nor.	Standard Oil of N. J.	Talara, Peru	S'ampton, Eng.	Crude oil	13,567
Trois Ilets	9	15	Fr.	French Line	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Taranger 2	14	14	Nor.	Interocean S. S. Corp.	Seattle, Wash.	Rotterdam, Neth.	Grain, gen.	7,120
Seattle 2	15	15	Ger.	Hamburg-Amer. Line	Vancouver, B. C.	Hamburg, Ger.	General	7,339
Caroline Maersk 1 2	14	15	Dan.	Belgium Refining Co.	Pt. San Luis, Calif.	Antwerp, Belgium	Crude oil	12,401
Admiral Laws	14	15	Amer.	Bulk Carriers Corp.	Stockton, Calif.	Hull, England	Wheat	4,395
Admiral Senn	15	15	Amer.	Continental Grain Co.	Longview, Wash.	Cobb, Ireland 14	Wheat	4,465
Santa Rita 2	15	15	Amer.	Grace Line	Ant fagasta, Chile	New York, N. Y.	Copper, gen.	3,522
Sutherland	15	16	Amer.	Anglo-Can. S. S. Co.	N. Westm'er, B.C.	Grangem'th, Scot.	Lum., lead	6,200
Pennsylvania	15	16	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	7,599
Steele	16	16	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,000
Mayan	16	22	Amer.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General	120
Nordnes 2	15	16	Nor.	Canadian-Gulf Line	Powell Riv., B. C.	Houston, Tex.	(19)	6,983
Chateau Thierry 8	13	17	Amer.	U. S. Army	Balboa, C. Z.	New York, N. Y.	Army stores	19
Point Arena	15	16	Amer.	Gulf-Pacific Line	Tacoma, Wash.	Panama City, Fla.	Lumber, gen.	4,492
Pacific	16	16	Amer.	Weyerhaeuser Tim. Co.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,503
American	16	16	Amer.	Amer-Hawaiian Line	S. Francisco, Cal.	Boston, Mass.	General	7,339
Katrine Maersk 1 2	16	16	Dan.	Shell Oil Co.	Los Angeles, Cal.	Curacao, N. W. I.	Fuel oil	8,371
San Jose	16	17	Fr.	French Line	Vancouver, B. C.	Havre, France	General	6,629
Steel Exporter	16	16	Amer.	Isthmian S. S. Lines	S. Francisco, Cal.	Liverpool, Eng.	(20)	5,702
Tuira 2	16	17	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	53
Sona 2	16	17	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	34
Maine	16	16	Amer.	Calif.-Eastern Line	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	6,387
Real 2	16	17	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Vito 2	16	18	Nor.	Kawasaki K. Kaisha	Kobe, Japan	Houston, Tex.	General	2,830
Getsuyo Maru 2	16	17	Jap.	Mitsui Bussan Kaisha	Dairen, China	Karlshamn, Swed.	Soy beans	9,297
Lochkatrine 2	16	17	Brit.	Royal Mail Lines	Victoria, B. C.	Liverpool, Eng.	Fruit, gen.	9,618
J. L. Luckenbach	17	17	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	9,545
L. A. Christensen 2	17	17	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile	Norfolk, Va.	(21)	7,605
Sylsa 1 2	17	17	Nor.	Eagle Oil Co.	Los Angeles, Cal.	Lands End 14	Gasoline	9,131
Berganger 2	17	17	Nor.	Interocean S. S. Co.	Vancouver, B. C.	Rotterdam, Neth.	Grain, gen.	9,268
Hokkai Maru 2	17	18	Jap.	Osaka Shosen Kaisha	Hoiio, P. I.	Baltimore, Md.	Sugar, gen.	7,047
Nollington Court	17	18	Brit.	Canadian Transp. Co.	Seattle, Wash.	Liverpool, Eng.	Wheat, lum.	8,000
St. Cuthbert 2	14	18	Brit.	Marion Transp. Co.	Corinto, Nic.	Cristobal, C. Z.	Ballast	

1 Tanker. 2 Motor ship. 4 Tug. 7 Submarine. 8 Transport. 13 Steel rails, automobiles. 14 For orders. 15 Lumber, pulp, lead. 16 Coffee, skins, bottles. 17 Lumber, plantains. 18 Canned pineapples, general. 19 Newsprint, shingles. 20 Canned goods, general. 21 Nitrate, sulphate, iodine.



PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Awabasan Maru <sup>2</sup>	17	18	Jap...	Mitsui Bussan Kaisha	Manila, P. I. . . .	New York, N. Y.	General. . . .	4,231
Amasis . . . . .	17	18	Ger. . .	Hamburg-Amer. Line.	Corral, Chile. . . .	Hamburg, Ger. . .	General. . . .	5,530
Istmo . . . . .	18	21	Pan. . .	Elliot Ship. & Land Co.	B'ventura, Col. . .	Cristobal, C. Z. .	Coffee, gen. . .	660
Franz Klasen <sup>1</sup> <sup>2</sup>	19	19	Pan. . .	W. Tankschiff Rhed'.	Talara, Peru. . . .	Hamburg, Ger. . .	Gasoline. . . .	16,970
Remuera . . . . .	18	19	Brit. . .	N. Z. Shipping Co. . .	Wellington, N. Z.	London, England	Frozen, gen. . .	5,464
City of Elwood <sup>2</sup>	19	19	Amer. .	Roosevelt S. S. Co. . .	Whyalla, Aus'lia.	Baltimore, Md. . .	General. . . .	5,838
Texas Sun <sup>1</sup> <sup>2</sup> . . .	19	19	Amer. .	Sun Oil Co. . . . .	Los Angeles, Cal.	Chester Pa. . . .	Gasoline. . . .	14,599
Helga . . . . .	19	19	Dan. . .	J. Lauritzen . . . .	Chicama, Peru. . .	New York, N. Y.	General. . . .	2,790
Nuevo Panama <sup>2</sup>	19	21	Pan. . .	Elliot Ship. & Land Co.	B'ventura, Col. . .	Cristobal, C. Z. .	Coffee. . . . .	212
Wildwood. . . . .	19	19	Amer. .	Amer.-For. S. S. Corp.	Tacoma, Wash. . .	New York, N. Y.	Lumber. . . . .	6,765
San Vincente. . . .	19	19	Amer. .	Quaker Line . . . .	Portland, Oreg. . .	Philadelphia, Pa.	Lumber, gen. . .	6,724
Lucerie . . . . .	19	19	Brit. . .	Chile Nit. Sales Corp.	Tocopilla, Chile. .	Azores <sup>14</sup> . . . .	Bulk nitrate. . .	10,164
Manizales. . . . .	19	22	Ger. . .	North German Lloyd.	Guayaquil, Ecua. .	Cristobal, C. Z. .	Coffee, gen. . . .	900
Paula . . . . .	19	19	Dan. . .	J. Lauritzen . . . .	Valparaiso, Chile.	New York, N. Y.	Copper ore. . . .	2,400
Marore . . . . .	20	20	Amer. .	Ore S. S. Corp. . . .	Cruz Gr'de, Chile.	Baltimore, Md. . .	Iron ore. . . . .	21,800
Taylor, No. 94 <sup>2</sup>	20	21	Amer. .	U. S. Navy . . . . .	Balboa, C. Z. . . .	Cristobal, C. Z. .		
Clio <sup>2</sup> . . . . .	20	21	Nor. . .	Royal Neth. S. S. Co.	Guayaquil, Ecua. .	Cristobal, C. Z. .	Coffee, gen. . . .	565
Torvanger. . . . .	20	20	Nor. . .	Chile Nit. Sales Corp.	Antof'gasta, Chile	Azores <sup>14</sup> . . . .	Nitrate. . . . .	10,030
Texan . . . . .	20	20	Amer. .	Amer.-Hawaiian Line.	Seattle, Wash. . . .	Boston, Mass. . . .	Lumber, gen. . .	10,100
Porto Bello <sup>2</sup> . .	20	20	Pan. . .	A. Tagaropoulos. . .	Darien, R. P. . . .	Colon, R. P. . . .	( <sup>15</sup> ) . . . . .	9
Adula <sup>1</sup> <sup>2</sup> . . . . .	20	20	Brit. . .	Asiatic Petroleum Co.	Los Angeles, Cal.	Curacao, N. W. I.	Gasoline. . . .	11,862
Acacia <sup>13</sup> . . . . .	20	22	Amer. .	U. S. Government . .	Balboa, C. Z. . . .	Cristobal, C. Z. .		
Taira <sup>2</sup> . . . . .	20	21	Pan. . .	Elliot Ship. & Land Co.	Darien, R. P. . . .	Cristobal, C. Z. .	Bananas. . . . .	55
Sambu <sup>2</sup> . . . . .	19	21	Pan. . .	Elliot Ship. & Land Co.	Darien, R. P. . . .	Cristobal, C. Z. .	Bananas. . . . .	15
Edward Luckenbach.	21	21	Amer. .	Luckenbach Line . . .	Tacoma, Wash. . .	Philadelphia, Pa.	General. . . . .	4,559
Huntress. . . . .	21	21	Brit. . .	Chile Nit. Sales Corp.	Iquique, Chile. . .	Alexandria, Egypt	Nitrate. . . . .	8,525
Panaehrandos . . .	21	21	Greek.	Goulandris Bros. Lond.	Vancouver, B. C.	Hull, England. . .	Wheat, lum. . .	7,400
Carolinian . . . . .	21	21	Amer. .	Amer.-Hawaiian Line.	Portland, Oreg. . .	N. London, Conn.	Lumber, gen. . .	7,061
Uffington Court . .	21	22	Brit. . .	Chile Nit. Sales Corp.	Iquique, Chile. . .	Azores <sup>14</sup> . . . .	Nitrate. . . . .	8,625
Erria <sup>2</sup> . . . . .	22	22	Dan. . .	E. K. Nielsen . . . .	Vancouver, B. C.	Copenhagen, Den.	General. . . . .	7,228
Orbita . . . . .	22	22	Brit. . .	Pacific Steam Nav. Co.	Talcahuano, Chile	Liverpool, Eng. . .	General. . . . .	8,404
Bodegraven . . . .	21	22	Neth. .	Royal Neth. S. S. Co.	Corral, Chile . . . .	Hamburg, Ger. . .	General. . . . .	8,432
District of Columbia. <sup>1</sup>	21	22	Amer. .	Standard Oil of Calif.	S. Francisco, Cal.	New York, N. Y.	Fuel oil. . . . .	9,700
Jacob Luckenbach	21	22	Amer. .	Luckenbach Line . . .	Portland, Oreg. . .	Mobile, Ala. . . .	General. . . . .	5,169
Point Salinas. . . .	22	23	Amer. .	Dingwall Cotts & Co.	Vancouver, B. C.	London, England	Lum., wheat . .	6,500
Trois Ilets. . . . .	22	27	Fr. . . .	French Line . . . . .	B'ventura, Col. . .	Cristobal, C. Z. .	Coffee. . . . .	240
Salvador . . . . .	22	1	Brit. . .	Pacific Steam Nav. Co.	Champ iou, Guat. .	Cristobal, C. Z. .	Coffee, gen. . . .	314
Rhakotis . . . . .	22	23	Ger. . .	Hamburg-Amer. Line.	Talcahuano, Chile	Hamburg, Ger. . .	General. . . . .	7,682
Nereus . . . . .	22	22	Greek.	Chile Nit. Sales Corp.	Tocopilla Chile. .	Azores <sup>14</sup> . . . .	Nitrate. . . . .	8,945
Santa Paula . . . .	22	23	Amer. .	Grace Line . . . . .	S. Francisco, Cal.	New York, N. Y.	General. . . . .	4,076
Chilore . . . . .	22	23	Amer. .	Ore S. S. Corp. . . .	Cruz Gr'de, Chile.	Baltimore, Md. . .	Iron ore. . . . .	21,600
Infanta <sup>2</sup> <sup>6</sup> . . . . .	22	23	Amer. .	Edgar P. Lawson . . .	Los Angeles, Cal.	Miami, Fla. . . . .	Ballast. . . . .	
Santa Lucia. . . . .	22	23	Amer. .	Grace Line . . . . .	San Antonio, Chile	New York, N. Y.	General. . . . .	5,190
Kentuckian . . . .	22	23	Amer. .	Amer.-Hawaiian Line.	Astoria, Oreg. . . .	Boston, Mass. . . .	General. . . . .	5,950
Oceanic Reliance <sup>2</sup>	23	23	Brit. . .	Furness, Withy & Co.	Vancouver, B. C.	Glasgow, Scot. . .	General. . . . .	7,864
Pasabruck <sup>2</sup> . . . .	23	24	Ger. . .	North German Lloyd.	Corral, Chile . . . .	Hamburg, Ger. . .	General. . . . .	5,909
Nansenville <sup>2</sup> . . .	23	23	Neth. .	Fred Olsen & Co. . .	Vancouver, B. C.	Oslo, Norway . . .	General. . . . .	7,390
Maine . . . . .	23	24	Amer. .	Isthmian S. S. Lines. .	Honolulu, T. H. . .	New York, N. Y.	Sugar, gen. . . .	7,302
Jane Christensen .	23	23	Amer. .	Arrow Line . . . . .	Seattle, Wash. . . .	Baltimore, Md. . .	Lumber. . . . .	7,390
British Columbia Express. <sup>2</sup>	23	23	Nor. . .	Fruit Express Line. . .	Seattle, Wash. . . .	Glasgow, Scot. . .	Fresh fruit. . .	2,490
Sona <sup>2</sup> . . . . .	23	24	Pan. . .	Elliot Ship. & Land Co.	Darien, R. P. . . .	Cristobal, C. Z. .	Bananas. . . . .	28
Real <sup>2</sup> . . . . .	23	24	Pan. . .	Elliot Ship. & Land Co.	Darien, R. P. . . .	Cristobal, C. Z. .	Bananas. . . . .	32
La Union <sup>2</sup> . . . .	23	24	Pan. . .	Antonio Valdes. . . .	Bayano, R. P. . . .	Cristobal, C. Z. .	Bananas. . . . .	40
Point Caleta . . . .	23	24	Amer. .	Swayne & Hoyt. . . .	Seattle, Wash. . . .	Tampa, Fla. . . . .	Lumber, gen. . .	6,791
Filleigh . . . . .	23	24	Brit. . .	Anglo-Can. S. S. Co. .	Vancouver, B. C.	London, England	Wheat, lum. . .	8,384
Svolder <sup>1</sup> <sup>2</sup> . . . . .	23	24	Nor. . .	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Lands End <sup>14</sup> . . . .	( <sup>16</sup> ) . . . . .	8,899
Nebraskan . . . . .	23	24	Amer. .	Amer.-Hawaiian Line.	Seattle, Wash. . . .	Boston, Mass. . . .	General. . . . .	7,378
Robert Luckenbach.	24	24	Amer. .	Luckenbach Line . . .	Seattle, Wash. . . .	Boston, Mass. . . .	General. . . . .	3,742
King Idwal . . . . .	24	24	Brit. . .	Canadian Transp. Co. S.	Brit. Colom. ports	London, England	( <sup>17</sup> ) . . . . .	7,549
Siantar <sup>2</sup> . . . . .	24	24	Neth. .	S. & J. Thompson, Ltd.	Calcutta, India. . .	New Orleans, La. .	General. . . . .	7,506
Albion Star . . . . .	24	24	Brit. . .	Blue Star Line. . . . .	N. Westm' er, B. C.	Newcastle, Eng. . .	Fruit, gen. . . .	7,663
Angol . . . . .	24	24	Chile. .	Chile-N. Amer. Line.	Callao, Peru. . . .	New York, N. Y.	Copper ore. . . .	6,127
Lehore . . . . .	25	25	Amer. .	Ore S. S. Corp. . . .	Cruz Gr'de, Chile	Baltimore, Md. . .	Iron ore. . . . .	21,300
African Reefer <sup>2</sup>	24	25	Dan. . .	J. Lauritzen . . . .	S. Francisco, Cal.	Haifa, Palestine.	Fruit, gen. . . .	1,521
Absaroka . . . . .	24	25	Amer. .	McCormick S. S. Co. .	Los Angeles, Cal.	Baltimore, Md. . .	Lumber, gen. . .	7,000
Chloe . . . . .	25	25	Greek.	Chile Nit. Sales Corp.	Iquique, Chile. . .	Azores <sup>14</sup> . . . .	Nit. of soda. . .	8,350
Fella <sup>2</sup> . . . . .	25	26	Ital. . .	Italia . . . . .	Vancouver, B. C.	Trieste, Italy . . .	General. . . . .	8,389
Wind Rush . . . . .	25	26	Amer. .	Continental Grain Co.	Seattle, Wash. . . .	Hull, England. . .	Grain. . . . .	7,820
Real <sup>2</sup> . . . . .	24	26	Pan. . .	Elliot Ship. & Land Co.	Panama R. P. . . .	Cristobal, C. Z. .	Drums. . . . .	12
Borgestad <sup>2</sup> . . . .	26	26	Nor. . .	Anglo-Can. S. S. Co. .	Pt. Alberni, B. C.	Hull, England. . .	Lum., wheat . .	6,219
Ino <sup>2</sup> . . . . .	26	27	Neth. .	Royal Neth. S. S. Co.	Guayaquil, Ecua. .	Cristobal, C. Z. .	Coffee, gen. . . .	548
Moveria <sup>2</sup> . . . . .	26	26	Brit. . .	Donaldson Line . . .	Vancouver, B. C.	Glasgow, Scot. . .	General. . . . .	5,017
Tainui . . . . .	26	27	Brit. . .	Shaw, Savill & Albion	New Zealand. . . .	London, England	Frozen, gen. . .	4,553
Tai Ping <sup>2</sup> . . . . .	25	27	Nor. . .	Barber-Wilhelmsen. .	Kobe, Japan . . . .	Philadelphia, Pa.	General. . . . .	8,135

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Yacht. <sup>4</sup> Destroyer. <sup>5</sup> Lighthouse tender. <sup>6</sup> For orders. <sup>7</sup> Plaintains, lumber. <sup>8</sup> Gasoline, kerosene. <sup>9</sup> Wheat, lumber, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Arima Maru 2	26	26	Jap.	Nippon Yusen Kaisha	Kushiro, Japan..	Hamburg, Ger..	General....	5,925
Istmo	26	28	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	655
Havbor 1 2	26	26	Nor.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N. W. I.	Gas oil	11,194
Henning Maersk 1	26	26	Dan.	Peehelbronn	La Libertad, Ecu.	Donges, France.	Crude oil	13,993
Durazzo	26	29	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	946
Baru 2	27	28	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	98
San Marcos	27	27	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,545
Kunikawa Maru 2	27	28	Jap.	Kawasaki Kabushiki.	Japanese ports.	New York, N. Y.	General.	4,971
Honolulu	27	27	Amer.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Savannah, Ga.	Nit. of soda	10,500
Este	27	28	Ger.	North German Lloyd.	Vancouver, B. C.	Hamburg, Ger..	General.	9,246
Porto Bello 2	27	27	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(15)	22
Tuira 2	27	28	Pan.	Julio Laffargue	Darien, R. P.	Cristobal, C. Z.	Bananas	45
Chiriqui	27	29	Amer.	United Fruit Co.	S. Francisco, Cal.	New York, N. Y.	General.	232
California Express 2	28	28	Nor.	Fruit Express Line.	N.Westm'er, B.C.	Glasgow, Scot..	Fresh fruit	1,528
Loosdrecht 1 2	28	28	Neth.	Shell Oil of Calif.	Los Angeles, Cal.	Curacao, N. W. I.	Gas oil	14,718
Montanan	28	28	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General.	6,223
Dagmar Salen 2	28	28	Swed.	Seaboard Ship. Co.	Portland, Oreg.	Birkenhead, Eng.	Wheat	8,415
Svealand 2	28	29	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md..	Iron ore	21,600
Adellen 1 2	28	1	Brit.	Union Oil Co.	Los Angeles, Cal.	Cristobal, C. Z.	Diesel oil	11,643
Stensby 2	29	29	Dan.	Anglo-Can. S. S. Co.	Victoria, B. C.	Grangem'th, Scot.	Lumber	6,200
Virginia	29	30	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	Fruit, gen.	5,338
Neches 1	28	2	Amer.	U. S. Navy	San Diego, Calif.	Coco Solo, Z.	(16)	4,520
Forbes Hauptman	30	30	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	8,652
Nuevo Panama 2	30	1	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	96
Lahaina	30	30	Amer.	Matson Nav. Co.	Port Allen, T. H.	Philadelphia, Pa.	Sugar	7,466
Santa Maria 2	30	30	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General.	4,133
Lieut. Col. H. C. Schumm 4	30	1	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Sona 2	30	1	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	26
Real 2	30	1	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	25
Olymp 2	30	1	Pan.	Chile Nit. Sales Corp.	Tocopilla, Chile.	New Orleans, La.	Nitrate	6,589
Pereira	30	6	Pan.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General.	292
S-43 7	1	9	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Dinteldijk 2	1	1	Neth.	Holland-Amer. Line.	Victoria, B. C.	Rotterdam, Neth.	(17)	9,730
Langley 13	1	6	Amer.	U. S. Navy	San Diego, Calif.	Cristobal, C. Z.		
Lillian Luckenbach	1	1	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,912
Jeff Davis 2	29	5	Amer.	Amer. Pioneer Line	Iloilo, P. I.	New York, N. Y.	(18)	7,777
John Knudsen 1 2	1	1	Nor.	Knut Knudsen	S.LusOpisbo, Cal.	Pt. de Boue, Fr.	Crude oil	13,469
Admiral Noulton	1	2	Amer.	Continental Grain Co.	Portland, Oreg.	Cobh, Ireland 14.	Wheat	4,500
Nitro	29	4	Amer.	U. S. Navy	Puget Sd., Wash.	Norfolk, V.	Navy stores	1,158
Belita 1 2	1	2	Nor.	Hans Kristoffersen	Corinto, Nic.	Houston, Tex.	Ballast	
W. R. Keever	1	2	Amer.	Dutton Lumber Corp.	Tacoma, Wash.	New York, N. Y.	Lumber	7,350
Kirishima Maru 2	1	2	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	New York, N. Y.	General.	3,341
Mount Helikon	2	2	Greek.	Cia. Salitrea Anglo Chilean.	Tocopilla, Chile.	Alexandria, Egypt	Nitrate	8,150
Tennessee	2	2	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Baltimore, Md..	General.	9,084
Golden Cloud	2	2	Amer.	Matson Nav. Co.	Navihivi, T. H.	Baltimore, Md..	Sugar, gen.	6,989
Canadian Constructor	2	4	Brit.	M. A. N. Z. Line	Whyalla, Aust'ia	Halifax, N. S.	General.	5,568
Amerikaland 2	2	3	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md..	Iron ore	21,600
Hegira	3	3	Amer.	Weyerhaeuser S.S.Co.	S. Francisco, Cal.	Newark, N. J.	Lumber, gen.	10,500
Orduna	3	3	Brit.	Pacific Steam Nav.Co.	Talcahuano, Chile	Liverpool, Eng.	General.	7,618
Trois Liets	3	5	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	285
Clio 2	3	5	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(19)	408
Benekom	3	3	Neth.	Messrs. Melville	Vancouver, B. C.	London, England	Tim., wheat	8,048
Indiana	3	4	Fr.	French Line	Valparaiso, Chile.	Havre, France.	Cotton, gen.	8,513
Cerigo	3	6	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecu.	Cristobal, C. Z.	(20)	1,127
Washington 2	3	4	Fr.	French Line	Vancouver, B. C.	Antwerp, Belgium	Frozen, gen.	9,121
Istmo	3	6	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	644
Nero 2	3	5	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Ballast	
President de Vogue 1 2	3	4	Nor.	Cia. Des Prod. Chim. et Raffineries	Talara, Peru	Pt. de Boue, Fr.	Crude oil	13,668
Karamea	30	4	Brit.	Shaw, Savill & Albion	New Zealand	London, England	Frozen, gen.	6,260
Camden 1	3	4	Amer.	Shell Oil Co.	Los Angeles, Cal.	Sewaren, N. J.	Gasoline	8,542
Kimikawa Maru 2	4	5	Jap.	Kawasaki K. Kaisha.	Manila, P. I.	Baltimore, Md..	Silk, gen.	9,260
Oakmar	4	4	Amer.	Calmar S. S. Corp.	Seattle, Wash.	Baltimore, Md..	Lum., metal	6,551
Lancaster Castle	4	4	Brit.	Chile Nit. Sales Corp.	Ant'fagasta, Chile	Azores 14.	Nitrate	8,560
Sambu 2	4	4	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	13
Real 2	4	5	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	31
Tuira 2	4	5	Pan.	Julio Laffargue	Darien, R. P.	Cristobal, C. Z.	Bananas	53
Maria Cristina 2	4	4	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	Plantains	8
Talamanca	4	6	Amer.	United Fruit Co.	S. Francisco, Cal.	New York, N. Y.	General.	238
Montrolite 1 2	5	5	Brit.	Imperial Oil Co.	Talara, Peru	Halifax, N. S.	Crude oil	15,398
Cadillac 1	4	5	Brit.	Anglo-Amer. Oil Co.	El Segundo, Calif.	London, England	Gasoline	15,103
Labos 2	5	6	Brit.	Pacific Steam Nav. Co.	Corral, Chile	Hull, England	General.	8,549

1 Tanker. 2 Motor ship. 4 Tug. 7 Submarine. 13 Plane carrier. 14 For orders. 15 Plantains, lumber. 16 Gasoline, fuel and Diesel oil. 17 General, wheat, barley. 18 Sugar, hemp, general. 19 Coffee, hides, wood. 20 Coffee, cocoa, wood.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Mount Parnes...	5	6	Greek	Canadian Transp. Co.	Vancouver, B. C.	Haifa, Palestine.	Creos. ties...	6,400
Minerva <sup>2</sup> .....	5	5	Nor.	Chile Nit. Sales Corp.	Iquique, Chile...	Charleston, S. C.	Nit. of soda...	9,400
Kwantou Maru <sup>2</sup> .....	5	6	Jap.	Osaka Shosen Kaisha	Dairen, China...	Baltimore, Md...	General...	2,755
Mount Olympus...	5	5	Greek	Chile Nit. Sales Corp.	Tocopilla, Chile...	Azores <sup>13</sup> .....	Nit. of soda...	8,800
Tsuyama Maru...	5	6	Jap.	Nippon Yusen Kaisha	Manila, P. I. ....	Houston, Tex...	General...	6,166
Dresden <sup>2</sup> .....	5	6	Ger.	North German Lloyd	Corral, Chile...	Bremen, Germany	General...	6,779
Kashii Maru <sup>2</sup> .....	6	6	Jap.	Kawasaki Kisen K...	Kushiro, Japan...	Hamburg, Ger...	Lumber, gen.	6,230
Planet .....	6	6	Ger.	Hamburg-Amer. Line.	Corral, Chile...	Antwerp, Belgium	General...	8,087
Santa Inez <sup>2</sup> .....	5	6	Amer.	Grace Line...	Ant of gasta, Chile	New York, N. Y.	General...	2,614
Anniston City...	6	6	Amer.	Isthmian S. S. Lines.	Los Angeles, Cal.	Baltimore, Md...	Lumber, gen.	8,394
Point Estero...	6	6	Amer.	Swayne & Hoyt...	Los Angeles, Cal.	New Orleans, La.	Lumber, gen.	5,376
Willmott <sup>2</sup> .....	6	6	Amer.	Amer.-Hawaiian Line.	Seattle, Wash...	Baltimore, Md...	Lumber, gen.	7,530
Winslow <sup>5</sup> .....	6	9	Amer.	U. S. Army...	Balboa, C. Z...	Cristobal, C. Z...	(14)	9,635
Jefferson Myers...	7	7	Amer.	Quaker Line...	Portland, Oreg...	London, England	(14)	9,635
Baru <sup>2</sup> .....	7	8	Pan.	Elliot Ship. & Land Co.	Darien, R. P...	Cristobal, C. Z...	Bananas...	91
Rangitiki <sup>2</sup> .....	7	8	Brit.	N. Z. Shipping Co.	Wellington, N. Z.	London, England	Frozen, gen.	6,715
Ludington <sup>2</sup> .....	6	8	Amer.	U. S. Army...	Honolulu, T. H.	Brooklyn, N. Y.	Army stores	4,664
Peter Maersk <sup>2</sup> .....	7	8	Dan.	Maersk Line...	Manila, P. I. ....	New York, N. Y.	General...	6,283
Acajutla .....	7	14	Brit.	Pacific Steam Nav. Co.	Champico, Guat.	Cristobal, C. Z...	General...	309
Santa Elena...	7	8	Amer.	Grace Line...	S. Francisco, Cal.	New York, N. Y.	General...	3,722
Sessa .....	7	7	Dan.	Wessel, Duval & Co.	Valparaiso, Chile.	New York, N. Y.	General...	2,729
Frank <sup>2</sup> .....	7	8	Pan.	E. J. Hooper...	Darien, R. P...	Cristobal, C. Z...	Bananas...	27
Sona <sup>2</sup> .....	7	8	Pan.	Elliot Ship. & Land Co.	Darien, R. P...	Cristobal, C. Z...	Bananas...	27
Edwin Christenson.	7	8	Amer.	Bulk Carriers Corp.	Portland, Oreg...	Baltimore, Md...	Wheat...	8,741
Strix <sup>1 2</sup> .....	8	8	Nor.	Shell Oil Co...	Los Angeles, Cal.	Curacao, N. W. I.	(15)	9,388
Nevadan .....	8	8	Amer.	Amer.-Hawaiian Line.	Seattle, Wash...	Boston, Mass...	General...	8,866
Vermont .....	8	8	Amer.	California-East. Line.	Seattle, Wash...	Philadelphia, Pa.	Lumber, gen.	7,537
Nyhorn <sup>2</sup> .....	8	8	Nor.	Scand.-S. Pac. Line...	Valparaiso, Chile.	Antwerp, Belgium	Copper, gen.	7,233
Tomislav .....	8	9	J-Slav.	Chile Nit. Sales Corp.	Taital, Chile...	Azores <sup>13</sup> .....	Nit. of soda...	8,117
Adellen <sup>1 2</sup> .....	8	9	Brit.	B. L. Shipping Co.	Cabo Blanco, Peru.	Donges, France...	Crude oil...	11,379
Helder .....	8	9	Neth.	Royal Neth. S. S. Co.	Corral, Chile...	Hamburg, Ger...	General...	5,560
Horace Luckenbach.	9	9	Amer.	Luckenbach Line...	Seattle, Wash...	Boston, Mass...	Gen., lumber	7,950
El Oso <sup>1</sup> .....	9	10	Brit.	C. T. Bowling & Co.	La Libertad, Ecua.	Ellesmere, Eng...	(16)	10,001
Ville De Strasbourg.	10	11	Fr...	Messageries Maritimes	Noumea, N. Caled	Marseilles, France	General...	4,900
San Rafael .....	9	10	Amer.	States S. S. Co. ....	Portland, Oreg...	Philadelphia, Pa.	Lumber, gen.	6,778
Katendrecht <sup>1 2</sup> .....	9	10	Neth.	Shell Oil Co. ....	Los Angeles, Cal.	Curacao, N. W. I.	Gas oil...	7,378
Firmore .....	9	10	Amer.	Ore S. S. Corp...	Baltimore, Md...	Cruz Gr'de, Chile	Iron ore...	11,850
Kansas .....	10	10	Amer.	Amer.-Hawaiian Line.	Seattle, Wash...	Boston, Mass...	General...	6,890
Nagara Maru <sup>2</sup> .....	10	11	Jap.	Nippon Yusen Kaisha	Keelung, Japan...	New York, N. Y.	Rice, general	2,994
Elin K <sup>2</sup> .....	10	10	Nor.	Chile Nit. Sales Corp.	Iquique, Chile...	Savannah, Ga...	Nitrate...	8,320
Trois Ilets...	10	10	Fr.	French Line...	B'ventura, Col...	Cristobal, C. Z...	Coffee...	282
Ino <sup>2</sup> .....	10	11	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z...	Coffee, gen.	363
Manizales...	10	14	Ger.	North German Lloyd.	Guayaquil, Ecua.	Cristobal, C. Z...	Coffee, gen.	1,029

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>5</sup> Launch. <sup>8</sup> Transport. <sup>13</sup> For orders. <sup>14</sup> Lumber, pulp, grain. <sup>15</sup> Gasoline, kerosene. <sup>16</sup> Bulk oil, grades A and C.

**Comparison of Traffic at the Suez and Panama Canals for the First Ten Months of the Calendar Years 1936 and 1937**

The following is a comparison of traffic at the Suez and Panama Canals for the first ten months of the calendar years 1936 and 1937:

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1936	1937	Increase	Decrease	1936	1937	Increase	Decrease
January.....	533	575	7.9	.....	472	399	.....	15.5
February.....	471	524	11.3	.....	452	377	.....	16.6
March.....	548	580	5.8	.....	526	536	1.9	.....
April.....	490	621	26.7	.....	482	473	.....	1.9
May.....	484	567	17.2	.....	483	544	11.5	.....
June.....	426	540	26.8	.....	481	472	.....	1.9
July.....	466	551	18.2	.....	456	457	0.2	.....
August.....	471	531	12.7	.....	473	505	6.8	.....
September.....	479	522	9.0	.....	466	444	.....	4.7
October.....	490	557	13.7	.....	482	461	.....	4.4
Total.....	4,858	5,568	14.6	.....	4,778	4,668	.....	2.3



# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.



*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXI

Balboa Heights, C. Z., January 15, 1938

No. 6

## Traffic Through the Panama Canal in December 1937

The total vessels of all kinds transiting the Panama Canal during the month of December 1937, and for the same month in the two preceding years, are shown in the following tabulation:

	December 1935	December 1936	December 1937		
			Atlantic to Pacific	Pacific to Atlantic	Total
Ocean-going commercial traffic.....	459	341	233	206	439
Small commercial vessels <sup>1</sup> .....	55	89	50	29	79
Noncommercial vessels:					
United States Government.....	21	49	26	17	43
Colombian Government.....	2				
For repairs.....	2	1	1	1	2
<b>Total.....</b>	<b>539</b>	<b>480</b>	<b>310</b>	<b>253</b>	<b>563</b>

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC<sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the calendar year ended December 31, 1937, as compared with the calendar year 1936:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1936	1937	1936	1937	1936	1937	1936	1937
January...	472	399	2,411,073	1,915,787	2,148,935	1,855,937	\$2,018,543.52	\$1,598,323.51
February...	452	377	2,322,013	1,940,611	2,155,031	1,839,788	1,952,682.73	1,602,306.30
March.....	526	536	2,714,768	2,770,451	2,634,150	3,016,418	2,293,874.51	2,355,149.04
April.....	482	473	2,483,561	2,460,549	2,430,134	2,652,580	2,079,730.70	2,067,026.68
May.....	488	544	2,504,215	2,539,127	2,419,652	2,950,925	2,081,103.73	2,376,706.36
June.....	481	472	2,449,127	2,450,018	2,459,752	2,670,466	2,073,359.39	2,070,337.89
July.....	456	457	2,364,539	2,395,306	2,450,324	2,476,366	1,999,105.18	2,029,642.45
August.....	473	505	2,398,306	2,597,119	2,396,331	2,780,603	2,051,540.28	2,195,308.87
September...	466	444	2,428,317	2,312,725	2,526,366	2,385,142	2,045,440.82	1,935,673.78
October...	482	461	2,499,678	2,359,406	2,463,069	2,438,788	2,081,758.23	1,981,087.87
November...	368	435	1,768,738	2,280,565	1,747,368	2,185,283	1,488,054.25	1,893,462.00
December...	341	439	1,655,501	2,238,271	1,538,503	2,046,170	1,366,388.58	1,845,048.20
<b>Total...</b>	<b>5,487</b>	<b>5,542</b>	<b>27,999,836</b>	<b>28,559,935</b>	<b>27,369,615</b>	<b>29,298,766</b>	<b>23,531,581.92</b>	<b>23,950,072.95</b>

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 net tons measurement (Panama Canal net), which transited the Panama Canal during the month of December 1937. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	50	2,372	\$2,332.38	1,096
Pacific to Atlantic.....	29	1,606	1,873.75	1,865
<b>Total.....</b>	<b>79</b>	<b>3,978</b>	<b>4,206.13</b>	<b>2,961</b>
Total for calendar year 1937.....	927	53,255	52,472.44	35,448



Traffic by Nationality of Vessels<sup>3</sup> for December 1937

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
British.....	107	607,494	\$517,175.80	495,071
Danish.....	16	56,504	41,746.25	54,891
French.....	12	65,250	53,842.17	67,907
German.....	24	99,307	81,125.00	117,482
Greek.....	5	24,161	19,791.46	23,350
Italian.....	3	22,241	16,852.50	10,531
Japanese.....	21	130,314	113,526.25	107,930
Netherlands.....	30	87,753	71,283.79	94,662
Norwegian.....	50	254,156	195,217.76	254,288
Panamanian.....	12	9,172	6,945.00	12,599
Swedish.....	7	33,607	25,358.99	36,876
United States.....	150	842,096	696,030.82	759,676
Union of Soviet Socialist Republics.....	1	1,997	2,078.75	2,790
Yugoslav.....	1	4,189	4,073.75	8,117
Total.....	439	2,238,271	1,845,048.20	2,046,170

<sup>3</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## Traffic by Trade Routes, December 1937

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table, the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo frequently is laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	53	303,249	174,377	40	244,228	273,147
East coast United States and:						
Canada.....	2	10,047	.....	1	6,011	10,274
Central America.....	.....	.....	.....	1	4,479	.....
South America.....	27	121,027	25,374	22	99,884	204,827
Hawaiian Islands.....	3	15,290	12,888	3	15,211	21,531
Australasia.....	6	38,575	35,616	1	5,267	5,952
Philippine Islands.....	9	58,027	45,270	9	55,047	60,422
Far East.....	15	81,617	89,470	6	36,962	29,483
Canadian intercoastal.....	3	13,835	20,555	.....	.....	.....
East coast Canada and:						
South America.....	1	4,491	.....	4	18,596	36,130
Australasia.....	4	24,786	19,367	2	9,707	9,032
Far East.....	1	6,588	7,775	.....	.....	.....
South American intercoastal.....	1	4,455	3,958	.....	.....	.....
East coast South America and:						
United States.....	.....	.....	.....	1	5,086	5,506
Canada.....	2	8,482	6,724	.....	.....	.....
Far East.....	2	13,427	5,109	2	10,081	6,820
East coast Central America and Australasia.....	4	19,399	31,860	.....	.....	.....
Cristobal and:						
Central America.....	5	4,462	4,877	5	4,455	2,006
South America.....	17	15,451	3,803	17	10,091	9,388
West Indies and:						
United States.....	1	6,917	.....	6	31,745	43,138
South America.....	1	6,384	12,069	.....	.....	.....
Balboa.....	1	8,867	8,973	.....	.....	.....
Europe and:						
United States.....	12	50,155	.....	7	38,512	64,875
Canada.....	30	170,230	60,152	35	190,944	257,167
Central America.....	1	2,609	.....	.....	.....	.....
South America.....	18	101,603	44,029	29	165,330	241,592
Australasia.....	8	62,291	53,361	8	68,242	53,046
Far East.....	1	4,125	3,746	2	11,527	14,130
Egypt and South America.....	.....	.....	.....	1	4,560	8,150
Asia and:						
United States.....	1	2,881	.....	1	2,023	1,434
Canada.....	.....	.....	.....	1	3,672	6,400
Around the world.....	2	17,650	4,870	1	6,305	7,497
Foreign vessels in ballast (United States intercoastal).....	2	12,425	.....	.....	.....	.....
Vessels not engaged in commerce.....	.....	.....	.....	4	958	.....
Total.....	233	1,180,345	674,223	206	1,048,926	1,371,947

<sup>4</sup> Yacht.

### Origin and Destination of Cargo by Major Areas, December 1937

The following table summarizes the origin of cargo passing through the Canal in December 1937, and its destination by major geographical trade areas:

#### ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States.....	184,489	11,449	134,360	23,856	42,871	397,025
Other North America.....	10,055	27,427	3,453	22,382	43,987	107,304
Europe.....	46,545	12,854	3,746	33,785	55,941	152,871
Miscellaneous.....	7,650	285	4,893	3,958	237	17,023
Total.....	248,739	52,015	146,452	83,981	143,036	674,223

#### PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	276,325	50,689	182,616	7,451	517,081
Canada.....	3,200	1,053	136,503	7,131	147,887
Other North America.....	21,531	2,076	1,146	110	24,863
South America.....	203,752	47,287	240,797	8,251	500,087
Australasia.....	12,529	2,491	53,010	.....	68,030
Asia.....	91,720	3,527	14,130	4,622	113,999
Total.....	609,057	107,123	628,202	27,565	1,371,947

### Principal Commodities

Commodities in transit through the Canal which aggregated 10,000 or more long tons either during December 1937, or in December 1936, are listed below:

Commodity	December		Commodity	December	
	1936	1937		1936	1937
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Asphalt and tar.....	21,224	28,888	Canned goods, various.....	3,290	58,517
Automobiles and parts.....	25,290	33,489	Coffee.....	15,681	10,628
Cotton, raw.....	53,303	3,084	Cold storage, food products <sup>5</sup> .....	26,217	36,534
Iron and steel.....	35,177	132,678	Copra.....	5,811	12,056
Machinery.....	11,253	11,619	Cotton, raw.....	4,607	12,609
Manufactured goods.....	2,048	19,593	Flour.....	2,519	20,673
Metals, various.....	18,536	26,154	Fruit, dried.....	353	23,922
Oils, mineral.....	64,881	67,065	Fruit, fresh <sup>6</sup> .....	19,260	33,665
Ores, various.....	15,649	9,230	Lumber.....	134,275	177,857
Paper.....	41,344	29,755	Metals, various.....	50,396	67,109
Phosphates.....	28,587	22,672	Nitrates.....	87,440	132,536
Scrap metal.....	29,509	1,006	Oils, mineral.....	159,567	220,051
Sulphur.....	20,036	33,414	Oils, vegetable.....	14,914	15,218
Tinplate.....	23,516	16,882	Ores.....	159,470	159,295
Wood pulp.....	12,660	10,762	Soy beans.....	15,235	7,900
<i>Pacific to Atlantic</i>			Sugar.....	62,865	81,699
Barley.....	684	13,511	Wheat.....	104,821	96,935
Beans, edible, dry.....	3,776	13,381	Wood pulp.....	1,846	40,836
			Wool.....	13,928	3,972

<sup>5</sup> Does not include fresh fruit.

<sup>6</sup> Does not include bananas.

### Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of December 1937, as reported in the cargo declarations showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small

items are frequently grouped under the designation of "general cargo;" the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes, including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts.....		205	6	469
Agricultural implements.....	1,398		4,300	30
Alfalfa meal.....		643	54	814
Ammonium compounds.....	328		6,347	25
Animal foods ?.....	32	516	32	516
Apparel, wearing (hats, shoes, clothing, etc.).....	62	11	62	15
Asbestos.....	653	2	1,054	45
Asphalt and tar.....	97		28,888	462
Automobiles (and autotrucks).....	5,879	118	27,703	123
Automobile parts and accessories.....	481	590	5,786	612
Bags and bagging, textile.....	20		469	55
Bamboo and products.....		35		460
Bananas.....				1,444
Barks, miscellaneous.....		71	4	397
Barley.....		20	74	13,511
Beans, edible, dry.....	81	6,240	81	13,381
Beer.....			64	
Beverages, nonalcoholic.....	15	37	44	37
Blood and tannage.....				25
Bones and bone meal.....		45	719	129
Books and printed matter.....	5		172	
Borax.....	22	865	410	6,413
Bran and pollards.....		42		4,635
Bricks and tile.....	293		1,109	
Camphor, crude.....				34
Canned and preserved goods:				
Fish.....	425	5,996	706	10,605
Fruit.....	317	16,485	394	29,784
Meat.....	5	20	670	142
Milk.....		762	552	1,635
Soup.....	1,940	59	1,995	107
Vegetables.....	796	6,092	857	6,276
Miscellaneous and unclassified.....	1,650	7,913	3,062	9,968
Carbon black.....	32		718	
Celite.....		22		42
Cement.....	788		7,909	
Chalk.....			1,180	
Charcoal.....	50	2	179	2
Chemicals ?.....	3,447	1,566	8,905	2,872
Clay, china and fire.....	595	125	1,097	650
Clay, filtering.....	488	20	500	20
Coal.....	2,112		6,520	
Cocoa and cacao beans.....	196		475	1,618
Coconuts and products ?.....	97	945	131	1,045
Coffee.....	5	27	5,886	10,628
Coke.....			5,428	2
Cold storage and refrigerated products:				
Dairy products.....	36	50	116	26,394
Eggs.....		58		170
Fish.....	8	393	118	1,536
Lard.....	448		501	7
Meats.....	12	102	338	8,141
Poultry.....	23	173	34	173
Vegetables.....	70	18	74	40
Other and unclassified.....	67		121	73
Confectionery.....	1,351	110	1,362	110
Copra.....				12,056
Corn.....	446		446	
Cotton, raw.....	21	696	3,084	12,609
Cresote.....	82		88	
Drugs and medicines.....	1,296	140	1,681	149
Dyes.....			68	25
Earthenware.....	68		164	581
Eggs, dried.....		64		64
Electrical apparatus and appliances.....	1,120	263	2,366	353
Enamelware and metalware.....	9		61	415
Explosives.....			490	
Extract, quebracho.....			728	
Fertilizers ?.....	66	538	558	557
Fish meal.....			3	8,016
Floor coverings.....	1,118	1,175	1,638	1,530
Flour.....	188	16,494	1,019	20,673
Fruit, dried.....	10	10,432	144	23,922
Fruit, fresh ?.....		2,906	70	33,665
Furniture and household goods.....	53	28	73	28

? Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
General	13,448	4,464	51,146	12,059
Glass and glassware	1,377	241	4,143	915
Glue	67	45	71	75
Grains <sup>7</sup>	52		57	
Groceries	1,238	361	2,506	1,022
Gums		49	2	340
Hair, all kinds	30	36	156	142
Hay		159		188
Hemp, unmanufactured	38		174	2,796
Honey		202		278
Hops		118	55	127
Horns and hoofs			74	
Infusorial earth		669		1,399
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	59,393	569	132,678	827
Ivory nuts				2,306
Jute, unmanufactured			1	
Lard substitute	602		602	66
Liquors	3,698	409	5,335	411
Lumber (including manufactured mill products)	1,532	76,572	4,054	177,857
Machinery	1,849	804	11,619	1,103
Malt			684	
Manufactured goods <sup>7</sup>	9,073	484	19,593	1,929
Marble and granite	111		356	
Matches	128	23	170	59
Metals:				
Antimony			60	
Copper	194	2,407	2,608	42,012
Gold and silver		2		217
Iron	83		13,701	
Lead		1,580	1,012	14,092
Tin	1,095	82	3,339	2,466
Zinc	38		143	6,726
Other and unclassified	7	135	5,291	1,596
Milk, powdered		1,133	6	1,307
Molasses and syrups	241	93	553	1,236
Nitrate			9,385	132,536
Nuts, edible (including meats)		390	8	424
Oats	131	246	150	3,867
Oils, mineral:				
Crude			20	94,598
Gas and fuel	28	8,967	21,492	44,130
Gasoline, benzine, and naphtha	22	8,542	24,376	60,865
Kerosene	61	14,602	308	19,457
Lubricating and greases	5,540	419	20,807	1,001
Other and unclassified	62		62	
Oils, vegetable:				
Coconut			264	11,131
Cottonseed	28		28	
Linseed		8	79	8
Olive			387	
Peanut			330	
Rapeseed				498
Wood		861		1,613
Other and unclassified	198	28	351	1,968
Oil, fish	46	824	69	3,019
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)		33	2,574	1,823
Oilseed cake and meal	1,455	1	1,455	8,677
Ores:				
Antimony				1,611
Chrome		1,230		8,750
Copper	400		8,751	5,859
Gold and silver				563
Iron			117	113,952
Lead				7,121
Magnesite		2,120		2,407
Manganese		105	296	10,415
Tin				2,707
Zinc	12		12	3,691
Other and unclassified	8	50	54	2,219
Paints and varnishes	904	112	2,384	145
Paper and paper products <sup>7</sup>	6,708	3,864	29,755	5,406
Peanuts	1,186		1,186	
Peas, dry				305
Peatmoss	11		1,157	
Phosphates	564		22,672	
Plaster			69	
Porcelainware	210	107	736	3,186
Potash		3,160	6,977	3,608
Pyrethrum flowers				458

<sup>7</sup> Except as otherwise classified.



Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Rags and waste	411	317	846	551
Railroad material	86		6,642	
Rice	770	499	818	3,601
Rope and twine	907	3	1,063	142
Rosin	710	35	1,334	35
Rubber:				
Manufactured	1,196	287	1,454	321
Raw	95		117	7,101
Scrap			154	161
Salt	288	298	3,161	298
Sand			6,204	970
Scrap metal	498	100	1,006	760
Seeds (except oilseeds)	23	801	599	1,464
Sewer pipe (concrete and terra cotta)	750		750	
Shells, oyster	316	119	316	266
Silk, raw		258	7	1,671
Skins and hides	30	796	1,392	3,782
Slag			265	
Slate	1,160		1,160	
Soaps and products	1,778	17	2,096	48
Soda and sodium compounds:				
Soda ash	6,424		6,766	620
Soda caustic	157		1,204	
Miscellaneous and unclassified	632		1,482	2,721
Soy beans	918		918	7,900
Sugar	18	10,192	417	81,699
Sulphur	20,467	23	33,414	23
Talc	30	62	30	1,009
Tallow	11	238	11	1,703
Tea	12	104	222	2,203
Textiles <sup>8</sup>	3,416	19	7,573	4,683
Tinplate	737		16,882	
Tobacco and manufactures	308	39	3,911	224
Toilet preparations	435		471	12
Turpentine	51		125	
Vegetables, dry <sup>7</sup>	19	21	36	230
Wall board	146	208	176	1,121
Wax, paraffin	159		1,151	69
Wheat	602	9,327	1,216	96,935
Wines	114	1,087	820	2,932
Wood pulp	18	31,510	10,762	40,836
Wool	128	540	865	3,972
Total, December 1937	184,489	276,325	674,223	1,371,947
Total, December 1936			538,784	999,719
Total, December 1935	178,972	434,592	708,851	1,478,880

<sup>7</sup> Except as otherwise classified.<sup>8</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade route, the tanker traffic through the Canal during the month of December 1937:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	5	27,798		3	17,456	32,111
East coast United States and Central America				1	4,479	
East coast Canada and South America				4	18,596	36,130
South American intercoastal	1	4,455	3,958			
Cristobal and United States	1	5,854				
West Indies and:						
United States	1	6,917		4	20,753	42,735
South America	1	6,354	12,069			
Balboa	1	8,867	8,973			
Europe and:						
United States	2	11,199		2	15,009	28,572
South America	2	10,293		7	40,340	79,502
Total	14	81,767	25,000	21	116,633	219,050

### Comparison of Canal Traffic in December 1937, with December Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of December			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
		(000 omitted)	(000 omitted)			(000 omitted)	(000 omitted)
1914	9 98	342	453	1915	11 100	11 361	11 486
1915	10 5	8	12	1916	60	199	255
1916	144	467	540	1917	145	483	588
1917	147	482	563	1918	165	547	627
1918	162	533	630	1919	162	510	576
1919	254	927	924	1920	199	712	781
1920	257	1,027	1,077	1921	232	950	966
1921	234	1,017	952	1922	222	951	907
1922	299	1,375	1,535	1923	325	1,550	1,631
1923	500	2,516	2,495	1924	429	2,179	2,249
1924	463	1,989	2,266	1925	382	1,904	1,996
1925	458	2,257	2,358	1926	424	2,064	2,169
1926	436	2,133	2,308	1927	441	2,184	2,311
1927	567	2,615	2,572	1928	521	2,453	2,468
1928	569	2,697	2,713	1929	524	2,485	2,554
1929	510	2,547	2,523	1930	502	2,497	2,502
1930	483	2,472	2,165	1931	447	2,314	2,089
1931	383	2,033	1,649	1932	564	1,977	1,650
1932	384	2,078	1,620	1933	347	1,900	1,513
1933	476	2,617	2,191	1934	436	2,379	2,059
1934	443	2,331	2,089	1935	432	2,317	2,109
1935	459	2,383	2,188	1936	449	2,335	2,209
1936	341	1,656	1,538	1937	467	2,404	2,507
1937	439	2,238	2,046	(12)	462	2,380	2,442

<sup>9</sup> Canal opened August 15, 1914. <sup>10</sup> Canal closed part of month due to slides. <sup>11</sup> Average for 10½ months of fiscal year ended June 30, 1915. <sup>12</sup> Average for calendar year 1937.

### Terminal Activities

Ships which completed repairs during the month of December 1937, numbered 45. Vessels released from drydock numbered 10. Fuel oil in the quantity of 268,630 barrels was delivered as bunkers to 132 commercial ships. Bunker coal amounting to 4,528 tons was delivered to 21 commercial ships. Sales of commissary supplies to ships aggregated \$38,389.90.

### Cargo Handled at Terminal Ports, December 1937

	Cristobal	Balboa	Total
Local cargo arriving..... tons..	24,201	8,918	33,119
Local cargo shipped..... tons..	5,207	534	5,741
Cargo received for transshipment..... tons..	42,566	620	43,186
Cargo transhipped..... tons..	41,145	746	41,891
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	5	4	9
Number of releases issued.....	49	5	54
Tons received.....	6	13	19
Tons withdrawn.....	50	4	54

### All Vessels Entering and Clearing Port, December 1937

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal...	511	3,188,299	1,882,216	469	2,698,683	1,617,189
Vessels entering port but not transiting Canal.	69	492,762	273,694	10	14,660	11,381
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	124	795,577	461,586	98	673,707	388,319
<i>Ships clearing</i>						
All vessels, including those transiting Canal...	514	3,195,218	1,887,004	475	2,731,944	1,637,338
Vessels clearing port but not transiting Canal.	72	504,849	280,774	6	9,871	6,627
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	124	796,271	462,220	100	688,306	397,421

### Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight, December 10, 1937, to midnight, January 10, 1938. Figures after names of vessels show, respectively, tons discharged and tons laden:

#### CRISTOBAL

Alkmaar, 0, 773	Buenaventura, 1,720, 367	San Gil, 384, 2	Flandre, 120, 787	Drechtidjk, 185, 88
Ino, 0, 74	Nero, 386, 106	Argual, 66, 0	Guayaquil, 2,046, 0	Illinois, 146, 1
Santa Marta, 0, 441	Chiriqui, 1, 204	Enoch, 2, 0	Hakonsen Maru, 0, 328	Cristobal, 2,469, 554
Chile, 0, 324	Peten, 19, 16	Santa Inez, 0, 2	Indien, 0, 274	Santa Barbara, 505, 107
Cristobal, 0, 484	Reina del Pacifico, 87, 1	Talamanca, 15, 266	Pereira, 816, 0	City of Delhi, 1,249, 0
Manizales, 0, 592	Takai Maru, 691, 109	Veragua, 34, 48	San Jose, 754, 0	Copiapo, 61, 0
Acajutla, 0, 539	Darien, 437, 12	Santa Elena, 345, 43	Friesland, 18, 0	Durazzo, 1,305, 0
Trois Ilets, 0, 47	Metapan, 782, 373	Clio, 465, 255	Ino, 207, 0	Duesseldorf, 302, 200
Pasajero, 0, 9	Ino, 48, 144	Vinland, 340, 0	San Jose, 0, 49	Nojima Maru, 954, 0
Haiti, 232, 311	Wisconsin, 90, 419	Weser, 175, 536	Phoenicia, 0, 600	Limon, 889, 0
Orazio, 0, 370	Orazio, 0, 370	Tain Yin, 1,158, 0	Ino, 0, 69	Sacttel, 229, 343
Clio, 341, 136	Portland, 92, 221	Sixola, 443, 232	Friesland, 0, 438	Ammon, 221, 754
Istmo, 705, 65	Costa Rica, 484, 36	Reliance, 6, 0	Guayaquil, 0, 742	Leme, 66, 0
Antigua, 312, 614	Laurits Swenson, 50, 47	Colombia, 191, 1,109	Pereira, 0, 1,080	Bernice, 0, 1,381
Tacoma, 167, 0	Pastores, 102, 572	Virgilio, 129, 3	Chiriqui, 132, 37	Nero, 516, 85
Komaki Maru, 469, 0	Wanderer, 230, 76	Nero, 446, 65	Ulua, 408, 289	Santa Marta, 717, 267
Venezuela, 0, 755	Eridan, 0, 15	Paraguana, 1,290, 0	Nebraska, 162, 133	Talamanca, 376, 240
Atenas, 485, 0	Nuevo Panama, 0, 123	Mantilla, 6,190, 0	Canada, 1, 0	Pasajero, 0, 20
Sesostri, 216, 977	Frankfurt, 101, 366	Cerigo, 1,195, 361	Wyoming, 326, 95	Jamaica, 131, 1,751
Cadmus, 6, 967	Munehen, 27, 0	Nanman Maru, 624, 0	Kinai Maru, 739, 23	Cellina, 0, 202
Quirigua, 75, 281	Istmo, 717, 146	Lysefjord, 0, 557	Annie Johnson, 20, 98	Kiyokawa Maru, 1,187, 0
Nordstjernan, 9, 82	San Lucas, 342, 0	Costa Rica, 0, 719	Haiti, 230, 325	Simon Bolivar, 0, 677
Colombie, 136, 1	Alabama, 31, 724	Margaret Lykes, 349, 124	San Vincente, 712, 23	Delftdijk, 183, 99
Cordillera, 211, 12	Peten, 56, 2	Maine, 246, 7	Logician, 281, 2	Port Antonio, 0, 498
San Francisco, 42, 252	Goslar, 3, 8	Baarn, 177, 573	Norden, 1,370, 0	Margaret Johnson, 23, 56
Damsterdijk, 135, 140	Curaca, 0, 258	Istmo, 718, 149	Vancouver, 124, 160	Istmo, 720, 214
Louisiana, 116, 0	Lochmonar, 108, 382	Veragua, 161, 19	Simon Bolivar, 67, 0	Alaska, 984, 0
Santa Clara, 306, 0	Santa Barbara, 274, 8	Buenos Aires, 120, 82	Manizales, 1,195, 317	Patria, 20, 1,351
Oakland, 761, 352	Santa Rosa, 705, 12	Pennsylvania, 279, 0	Trois Ilets, 333, 30	Orestes, 118, 621
Contessa, 614, 320	Cordillera, 22, 1,077	Nurnberg, 163, 295	Santa Paula, 649, 214	San Marcos, 175, 0
Mayan, 256, 1,500	Atlantida, 348, 481	Amapala, 454, 347	Clio, 524, 273	San Jose, 126, 0
Colombie, 0, 464	Roda, 94, 989	Midas, 0, 320	Istmo, 664, 178	Caribia, 315, 0
Santa Maria, 410, 91	Salvador, 412, 545	Santa Clara, 95, 4	Nuevo Panama, 241, 300	Clio, 273, 0
Loreto, 4, 51	San Diego, 259, 312	Oropesa, 64, 433	Acajutla, 255, 0	Hermonthis, 148, 223
San Simeon, 1,140, 0	Aneon, 4,250, 619	Schwaben, 210, 565	Santa Lucia, 454, 5	Boskoop, 0, 245
Ruth Lykes, 780, 266	Trois Ilets, 370, 82	Abraham Lincoln, 13, 80	Cefalu, 188, 534	
	Chipana, 0, 230		Grete Maersk, 556, 41	

#### BALBOA

Chile, 375, 0	President Hayes, 28, 0	Tai Yin, 264, 0	Evanger, 25, 0	Drechtidjk, 0, 74
Antigua, 99, 0	Mayan, 0, 218	Chilean Reefer, 37, 0	Fisherman II, 150, 0	Santa Barbara, 159, 1
Hamlin F. McCormick, 930, 0	Frankfurt, 576, 3	Vinland, 1,593, 0	Santa Clara, 146, 5	Takoaka Maru, 136, 0
Santa Clara, 8, 13	Moldanger, 0, 1	Santa Elena, 235, 3	California, 30, 102	Samuel Bakke, 1,546, 0
Middlesex, 58, 0	Lochmonar, 0, 82	Cerigo, 0, 3	Santa Paula, 307, 15	Seattle, 8, 0
Chateau Thierry, 25, 0	Santa Rosa, 263, 20	Santa Rita, 37, 0	Santa Lucia, 19, 1	Solano, 9,584, 0
Santa Maria, 239, 27	Santa Barbara, 24, 0	Schwaben, 439, 75	Acajutla, 3, 0	Nitro, 1,709, 0
Norway Maru, 49, 0	Republie, 790, 139	Nurnberg, 48, 180	Grete Maersk, 123, 0	
	Iocoma, 354, 0	Indien, 305, 0	Pereira, 0, 250	

NOTE.—Figures shown represent short tons of 2,000 pounds.

### Passengers

Ocean ship passengers disembarking at Cristobal during December 1937, numbered 2,050; embarking 1,771; at Balboa 798 disembarking and 820 embarking. Passengers passing through the Canal from the Atlantic to Pacific numbered 4,914, from the Pacific to the Atlantic, 2,310. Aircraft numbering 48 entered Cristobal, and 208 passengers disembarked; clearances were 52, with 239 passengers embarking; at Balboa, entries of aircraft were 54, with 125 passengers disembarking; clearances, 54, with 101 passenger embarking.

### Current Net Prices on Fuel Oil and Diesel Oil

Bunker fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal. Prices will be furnished on application.

Bunker fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Fuel oil, \$1.20 per barrel at Cristobal and Balboa; Diesel oil, \$2.00 per barrel at Cristobal and Balboa.

**Movements of Ocean Vessels Through the Panama Canal**  
**From midnight December 10, 1937, to midnight January 10, 1938**

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
S-44 7			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-47 7			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-46 7			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-42 7			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Monkleigh	10	11	Brit.	Seaboard Ship. Co.	Barry, England.	Portland, Oreg.	Ballast	
Chile 2	10	12	Swed.	Shawn Line	Goth burg, Swed.	SanAntonio, Chile	General	1,167
Mataroa	10	11	Brit.	Shaw, Savill & Albion	London, England	Wellington, N. Z.	General	8,207
Ino 2	10	11	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Tumaco, Colom.	General	67
Alkmaar	10	11	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	2,240
Hydra 5			Pan.	D. Constantine	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Athelrown 1 2	9	14	Brit.	Socony Vac. Oil Co.	Aruba, N. W. I.	Los Angeles, Cal.	Oil	8,973
L. A. Christensen	11	12	Nor.	Chile Nit. Sales Corp.	Newp't News, Va.	Topocilla, Chile	Ballast	
Memphis City	12	12	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Hilo, T. H.	(14)	6,118
Wisconsin	11	12	Fr.	French Line	Havre, France	Vancouver, B. C.	General	7,919
Charles Racine 2	11	12	Nor.	Hvalfanger Selskapet Kosmos.	New York, N. Y.	Estero Bay, Calif.	Ballast	
Loch Dee	12	12	Brit.	Maclay & McIntyre.	New York, N. Y.	Vancouver, B. C.	Ballast	
Clio 2	11	12	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	124
Modavia 2	12	12	Brit.	Donaldson Brothers	Glasgow, Scot.	Vancouver, B. C.	General	659
Istmo	11	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	150
Union 2	11		Pan.	Standard Fruit Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tucker 9	11	14	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	Ballast	
Atenas	12	16	Amer.	United Fruit Co.	New York, N. Y.	S. Francisco, Cal.	Ballast	
Ward 2	12	13	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Hongkong, China	General	5,829
Rhea 1 2	13	13	Fr.	Comp. Aux. Nav.	Cherbourg, Fr.	Talara, Peru	Ballast	
Lebore	13	13	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Selfridge 9	13	14	Amer.	U. S. Navy	Portsmouth, Va.	San Diego, Calif.	Ballast	
Hadiotis	13	14	Greek	Chile Nit. Sales Corp.	Stettin, Germany	Taltal, Chile	Ballast	
Awobasan Maru 2	14	14	Jap.	Mitsui Bussan Kaisha	Philadelphia, Pa.	Moji, Japan	(15)	4,673
Naruto Maru 2	14	14	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Osaka, Japan	(16)	7,627
Manizales	10	14	Ger.	North German Lloyd.	Cristobal, C. Z.	Guayaquil, Ecu.	General	538
Acajulia	7	14	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	839
Gryfvalde	14	14	Brit.	Chile Nit. Sales Corp.	Norfolk, Va.	Topocilla, Chile.	Ballast	
Bengal Maru	14	14	Jap.	Nippon Yusen Kaisha	Bremen, Ger.	Yokohama, Japan	(17)	3,746
Minnesota	14	14	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,810
Athelknight 1 2	14	15	Brit.	United Molasses Co.	Hull, England.	Los Angeles, Cal.	Ballast	
Frank 3	14		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	(18)	25
Porto Bello 3	14	14	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	2
J-26 5			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
S-45 7			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
St. Cutbert	13	15	Brit.	Warren Transp. Co.	Pto. Cabezas, Nic.	Corinto, Nic.	(18)	340
Ingersels	15	15	Nor.	Chile Nit. Sales Corp.	Norfolk, Va.	Iquique, Chile.	Ballast	
Chateau Thierry 9	15	16	Amer.	U. S. Army	New York, N. Y.	Honolulu, T. H.	General	1,560
Yomachichi 2	15	15	Amer.	Roosevelt S. S. Co.	Philadelphia, Pa.	Frem'le, Aust'lia	General	5,009
Lena Luckenbach	15	15	Amer.	Luckenbach Line	Houston, Tex.	Seattle, Wash.	General	4,569
Foylebank 2	15	15	Brit.	Bank Line, Ltd.	Boston, Mass.	Shanghai, China	General	5,010
Hokai Maru 2	15	15	Jap.	Osaka Shosen Kaisha.	Boston, Mass.	Kobe, Japan	General	6,488
Trois Ilets	10	15	Fr.	French Line	Cristobal, C. Z.	B'ventura, Colom.	General	47
Oakland 2	14	15	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Vancouver, B. C.	Steel, glass.	6,376
Sona 2	14		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tuira 2	14		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Union 2	14		Pan.	A. Valdes	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Nathan 2	15		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	(18)	20
Harry Luckenbach	15	16	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,900
Santa Maria 2	16	17	Amer.	Grace Line	New York, N. Y.	SanAntonio, Chile	General	2,376
Miss C. B. 3	16	18	Brit.	I. D. Hunter	Tampa, Fla.	Tumaco, Colom.	Machinery	32
No. 18-E-138 5	16		Pan.	Theo. Maeridis	Tampa, Fla.	Tumaco, Colom.	Ballast	
Loreto 2	16	17	Brit.	Pacific Steam Nav. Co.	Hull, England.	Valparaiso, Chile.	General	3,436
M-211 5	14		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Hagan 1	16	17	Amer.	Shell Union Oil Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Everleigh	16	17	Brit.	Canadian Transp. Co.	Barry, England.	Vancouver, B. C.	Ballast	
Trontolite 1 2	17	17	Brit.	Imperial Oil Co.	Barranquilla, Col.	B'ventura, Colom.	Gasoline	3,985
Hollywood	17	17	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General	4,106
Paula	17	17	Dan.	West Coast Line	New York, N. Y.	Valparaiso, Chile.	General	1,496
Marore	17	17	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
San Simon	16	17	Amer.	Quaker Line	Philadelphia, Pa.	Seattle, Wash.	General	3,962
M-238 5	14		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
President Hayes	18	18	Amer.	Dollar Line	New York, N. Y.	S. Francisco, Cal.	General	2,243
Viking Star	17	18	Brit.	Blue Star Line	Tyne, England.	Vancouver, B. C.	Ballast	
Darlington Court 2	17	18	Brit.	Seaboard Ship. Co.	Hull, England.	Vancouver, B. C.	Ballast	
Honoulun	18	18	Amer.	Chile Nit. Sales Corp.	Jacksonville, Fla.	Antof gasta, Chile	Ballast	
American	18	18	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,413
Alamar	18	18	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Gen., steel.	7,968

1 Tanker. 2 Motor ship. 3 Motor schooner. 5 Launch. 7 Submarine. 8 Transport. 9 Destroyer. 13 For bananas and return to Cristobal. 14 Steel, pipe, general. 15 Iron, lubricating oil, etc. 16 Steel, lubricating oil, etc. 17 Sulphate of potash and machine parts. 18 Railroad iron and locomotives.



## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Pennsylvania	18	18	Amer.	Weyerhaeuser S. S. Co.	New York, N. Y.	Los Angeles, Cal.	General	2,816
Hawaiian	18	18	Amer.	Isthmian S. S. Lines	Portland, Me.	Tacoma, Wash.	General	4,639
Elmwood	18	18	Amer.	Shell Oil Co.	Fall River, Mass.	Los Angeles, Cal.	Ballast	
Ino	17	18	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	131
Nero	17	18	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Tumaco, Colom.	General	96
Riche	16	18	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow barge	
Eridan	18	19	Fr.	Messageries Marit' es.	Marseilles, Fr.	Noumea, N. Cal.	General	1,305
Fortuna	19	19	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Waiwera	19	19	Brit.	Shaw, Savill & Albion	Barrow, England.	Bluff, N. Z.	General	9,224
Triton	18	19	Nor.	Isbrandtsen Moller	Baltimore, Md.	Manila, P. I.	General	7,056
Alabaman	19	19	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General	3,204
Svealand	19	19	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr de Chile	Ballast	
Durazzo	17	19	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecu.	General	333
Port Jackson	19	19	Brit.	Port Line, Ltd.	London, England.	Lyttleton, N. Z.	General	3,983
Nuevo Panama	18	19	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm's, R. P.	Gen., gasoline	175
Tuira	18	19	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real	18	19	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Frankfurt	18	21	Ger.	North German Lloyd.	Hamburg, Ger.	Corral, Chile	General	5,344
Alabama	19	20	Fr.	French Line	Havre, France.	Talcahuano, Chile	(13)	2,924
Helen Whittier	19	20	Amer.	Matson Nav. Co.	Philadelphia, Pa.	Honolulu, T. H.	General	2,198
Cingalese Prince	20	20	Brit.	Prince Line, Ltd.	Boston, Mass.	Shanghai, China.	General	4,561
Moldanger	20	20	Nor.	Intercean Line	Rotterdam, Neth.	Los Angeles, Cal.	Oil, general	357
Mayan	14	20	Amer.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	1,641
San Lucas	19	20	Amer.	States S. S. Co.	Norfolk, Va.	Seattle, Wash.	Gen., steel	5,221
Istmo	19	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	330
Goslar	20	20	Ger.	North German Lloyd.	New Orleans, La.	Adelaide, Aust'lia	Asphalt, oil	6,501
Lochmonar	20	22	Brit.	Royal Mail Lines	Rotterdam, Neth.	Portland, Oreg.	General	3,792
Gen. Wm. M. Graham	20	22	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
King Frederic	21	21	Brit.	Furness, Withy & Co.	Cardiff, England.	Los Angeles, Cal.	Ballast	
Curaca	20	21	Amer.	Grace Line	New York, N. Y.	Mollendo, Peru.	General	2,760
Al Aleto	21	22	Brit.	C. T. Bowring & Co.	Birkenhead, Eng.	Cabo B'co, Peru.	Ballast	
Charles Christenson	21	21	Amer.	Arrow Line	Baltimore, Md.	Seattle, Wash.	General	3,720
Hungtingdon	21	22	Brit.	Federal Steam Nav. Co.	Falmouth, Eng.	Adelaide, Aust'lia	General	7,379
Porto Bello	21	21	Pau.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Kunikawa Maru	21	22	Jap.	Kawasaki K. Kaisha.	New York, N. Y.	Kobe, Japan.	(14)	5,826
Ima	21	22	Nor.	Yamashita Line	Gulfport, Miss.	Los Angeles, Cal.	Ballast	
Point Vincente	22	22	Amer.	Gulf-Pacific Line	Mobile, Ala.	Seattle, Wash.	General	6,258
Orangemoor	22	22	Brit.	J. B. Westray & Co.	Antwerp, Belgium	N. Plym'th, N. Z.	Basic slag	8,000
Fortuna	21	22	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Amerikaland	22	22	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr de Chile	Ballast	
Penrith Castle	22	22	Brit.	Barber Line	New York, N. Y.	Shanghai, China.	General	2,785
Phaex	22	22	Creek	Seaboard Ship. Co.	Barry, England.	Vancouver, B. C.	Ballast	
Sona	21	21	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Union	21	21	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Frank	21	21	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Rotterdam	22	23	Neth.	Standard Oil of N. J.	Aruba, N. W. I.	Tocopilla, Chile.	Fuel oil	12,069
J. L. Luckenbach	23	23	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,396
British Prince	23	23	Brit.	Canadian Transp. Co.	Halifax, N. S.	Tacoma, Wash.	Copper, ore	8,255
Roda	21	23	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General	4,883
Chipana	23	23	Amer.	Panama Mail S. S. Co.	New York, N. Y.	S. Francisco, Cal.	Ballast	
St. Woolos	23	23	Brit.	B. & S. S. Co.	St. Rose, La.	Hongkong, China	(15)	6,750
Col. Riche	19	19	Amer.	U. S. Army	Cristobal, C. Z.	Ped. Miguel, C. Z.	Tow barge	
San Diego	22	24	Fr.	French Line	Antwerp, Belgium	Vancouver, B. C.	General	6,237
Elin K.	23	24	Nor.	Chile Nit. Sales Corp.	Savannah, Ga.	Chile	Ballast	
Queen Anne	23	24	Brit.	Anglo-Can. S. S. Co.	London, England	Los Angeles, Cal.	Ballast	
Minerva	24	24	Nor.	Chile Nit. Sales Corp.	Charleston, S. C.	Tocopilla, Chile.	Ballast	
Santa Inez	24	24	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile.	General	2,410
City of Bagdad	24	24	Brit.	Ellerman & Bucknall	Glasgow, Scot.	Sydney, Aust'lia.	General	4,264
Caduceus	25	25	Amer.	Capt. W. S. George.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Santa Elena	24	25	Amer.	Grace Line	New York, N. Y.	S. Francisco, Cal.	Coffee, gen.	2,261
Jedmoor	24	25	Brit.	Canadian Trad. Co.	Glasgow, Scot.	Brit. Columbia	Ballast	
Treherbert	24	25	Brit.	Seaboard Ship. Co.	Barry, England.	Portland, Oreg.	Ballast	
Montevideo Maru	24	26	Jap.	Osaka Shosen Kaisha.	Montevideo, Uru.	Kobe, Japan.	General	1,467
Siljestad	25	25	Nor.	Fern Line	Houston, Tex.	Osaka, Japan.	Lead, cotton	7,035
Helga	25	25	Dan.	J. Lauritzen	New York, N. Y.	Talcahuano, Chile	General	1,710
Dalblair	25	25	Brit.	United Steam Nav. Co.	Barry, England.	S. Francisco, Cal.	Ballast	
Vega	24	25	Amer.	Floy E. Rohl.	Miami, Fla.	Los Angeles, Cal.	Ballast	
Vinland	24	26	Nor.	Scand.-S. Pac. Line.	Goth'burg, Swed.	Valparaiso, Chile.	General	4,007
Clio	24	25	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Tumaco, Colom.	General	232
Emergency Aid.	25	25	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General	4,450
Kentucky	25	25	Amer.	Amer.-Hawaiian Line.	New York, N. Y.	Portland, Oreg.	General	3,322
Chilean Refeer	25	26	Dan.	J. Lauritzen	Copenhagen, Den.	Seattle, Wash.	General	33
Virgilio	25	26	Ital.	Societa Italia.	Genoa, Italy.	Valparaiso, Chile.	General	779
Corwallis	24	26	Brit.	Chile Nit. Sales Corp.	Halifax, N. S.	Iquique, Chile.	Ballast	
Weswar	24	26	Ger.	North German Lloyd.	Hamburg, Ger.	Vancouver, B. C.	General	7,353
Elisabeth Bakke	25	26	Nor.	Knutsen Line	Cardiff, England.	Vancouver, B. C.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Yacht. <sup>6</sup> Mine planter. <sup>7</sup> General, iron, automobiles. <sup>8</sup> Lubricating oil, pulp, etc. <sup>9</sup> Aviation gasoline.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Beldagny	25	26	Nor	Chile Nit. Sales Corp.	Baltimore, Md.	Chile	Ballast	
Ionic Star	26	26	Brit	Blue Star Line	Gibraltar	Vancouver, B. C.	Ballast	
Fortuna <sup>3</sup>	25	25	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Nero <sup>2</sup>	25	26	Neth	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	59
Jersey <sup>2</sup>	26	27	Brit	Stern, Inc.	New Orleans, La.	Hongkong, China	Gasoline	6,171
Taira <sup>2</sup>	25	25	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Edson <sup>5</sup>	25	25	Amer.	A. G. Terwilliger	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Sonnavid <sup>2</sup>	26	27	Nor	Anglo-Can. S. S. Co.	S'ampton, Eng.	Los Angeles, Cal.	Ballast	
Northumberland	27	27	Brit	N. Z. Shipping Co.	London, England	Wellington, N. Z.	General	6,500
Wildwood	27	27	Amer.	Amer.-For. S. S. Corp.	Pt. Sulphur, La.	Los Angeles, Cal.	Sulphur	7,225
City of Evansville	27	27	Brit	Ellerman & Bucknall	Baltimore, Md.	Dairen, China	General	7,151
Baarn	25	27	Neth	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	2,535
Istmo	26	27	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	325
Cerigo	25	27	Ger	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecua.	General	362
Maine	26	27	Amer.	Calif. Eastern Line.	Norfolk, Va.	Tacoma, Wash.	General	3,413
Trois Ilets	22	27	Fr	French Line.	Cristobal, C. Z.	B'ventura, Col.	Iron, gen.	78
Salvador	21	28	Brit	Pacific Steam Nav. Co.	Cristobal, C. Z.	Cham'pico, Guat.	General	545
Firmore	27	28	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Salacia <sup>2</sup>	28	28	Brit	Donaldson Bros., Ltd.	Glasgow, Scot.	Vancouver, B. C.	General	946
Olivebank <sup>2</sup>	28	28	Brit	United Oil Co., Melb'e	Tampico, Mexico	Sydney, Aust'lia.	Asphalt	8,250
Pacific Shipper <sup>2</sup>	28	28	Brit	Furness, Withy & Co.	Glasgow, Scot.	Vancouver, B. C.	General	1,692
Charles L. D.	28	28	Fr	TexasGulfSulphur Co.	Galveston, Tex.	Pt. Kembla, Aust	Sulphur	8,172
Buenos Aires <sup>2</sup>	27	28	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B. C.	Gen., paper	5,251
Nurnberg <sup>2</sup>	28	29	Ger	North German Lloyd.	Hamburg, Ger.	Talcahuano, Chile	General	4,852
Texan	28	28	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	1,500
Porto Bello <sup>2</sup>	28	28	Pan	A. Tagaropulos	Cristobal, C. Z.	Real, R. P.	General	2
Treacrell	28	29	Brit	Hain S. S. Co.	Barry, England.	Vancouver, B. C.	Ballast	
Gen. Wm. M. Graham <sup>11</sup>	22	29	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Jacob Luckenbach	28	29	Amer.	Luckenbach Line	Houston, Tex.	Tacoma, Wash.	General	6,164
Evanger	29	29	Nor	Westfal, Larsen & Co.	BuenosAires, Arg.	Los Angeles, Cal.	General	4,002
Puerto Rican	29	29	Amer.	Chile Nit. Sales Corp.	Pensacola, Fla.	Tocopilla, Chile.	Ballast	
Kaikoura <sup>2</sup>	29	29	Brit	Mont.-Aust.-N.Z. Line	St. John, N. B.	Auckland, N. Z.	General	5,085
Sage Brush	29	29	Amer.	Shepard S. S. Co.	Boston, Mass.	Seattle, Wash.	General	4,300
Enoch <sup>3</sup>	29	29	Pan	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>	Ballast	25
Frank <sup>3</sup>	25	29	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona <sup>2</sup>	28	28	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	28	28	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Union <sup>2</sup>	28	28	Pan	Henriquez & Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Col. Riche <sup>5</sup>	19	28	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow barge	
Santa Clara	28	30	Amer.	Grace Line	New York, N. Y.	SanAntonio, Chile	General	2,628
Oropesa	29	30	Brit	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile.	General	3,117
Abraham Lincoln <sup>2</sup>	29	30	Nor	Fred Olsen Line.	Oslo, Norway.	Vancouver, B. C.	General	6,533
California	30	30	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General	1,670
Carolinian	30	30	Amer.	Amer.-Hawaiian Line.	N. London, Conn.	Tacoma, Wash.	( <sup>14</sup> )	2,691
Robert Luckenbach.	30	30	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	2,632
Jane Christenson.	30	30	Amer.	Arrow Line	Baltimore, Md.	Seattle, Wash.	General	3,375
Demetron	30	30	Brit	R. Chapman & Son.	Newport, Eng.	Portland, Oreg.	Ballast	
Col. Riche <sup>5</sup>	29	29	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Tampa <sup>2</sup>	30	31	Amer.	Roosevelt S. S. Co.	New York, N. Y.	Hongkong, China	General	2,404
Pacific	31	31	Amer.	Weyershaeuser S. S. Co.	New York, N. Y.	Seattle, Wash.	Gen., steel	2,346
Vera <sup>1</sup>	31	31	Nor	H. Dit. Simonsen & Co.	Goth'burg, Swed.	Los Angeles, Cal.	Ballast	
Montanan	31	31	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,136
Umerleigh	31	31	Brit	Anglo-Can. S. S. Co.	N. Shields, Eng.	Vancouver, B. C.	Ballast	
Remuera	31	1	Brit	N. Z. Shipping Co.	London, England	Wellington, N. Z.	Slag, gen.	2,590
British Columbia Express <sup>2</sup>	31	1	Nor	Fruit Express Line.	Glasgow, Scot.	Los Angeles, Cal.	Ballast	
Absaroka	1	1	Amer.	McCormick S. S. Co.	Norfolk, Va.	Los Angeles, Cal.	General	1,940
Silversandal <sup>2</sup>	31	1	Brit	Kerr S. S. Co.	Boston, Mass.	Hongkong, China	General	4,478
Durham	1	1	Brit	N. Z. Shipping Co.	Swansea, England	Pt. Chalmers, N.Z.	General	10,183
Olymp <sup>2</sup>	1	1	Pan	Chile Nit. Sales Corp.	Houston, Tex.	Iquique, Chile.	Ballast	
Vermar	1	1	Amer.	Calmar Line	Philadelphia, Pa.	Los Angeles, Cal.	Steel, gen.	7,687
Canada <sup>2</sup>	1	1	Dan	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General	305
Angol	1	1	Chile	Chile-N. Amer. Line.	Norfolk, Va.	Valparaiso, Chile.	Sugar, gen.	6,405
Ino <sup>2</sup>	31	1	Neth	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	54
Theofano Livanos	1	1	Greek	S. Livanos & Co.	Antwerp, Belgium	Tocopilla, Chile.	Ballast	
Friesland	31	2	Ger	Hamburg-Amer. Line.	New Orleans, La.	Hongkong, China	General	5,117
Traverbyn	2	2	Brit	Hain S. S. Co.	Barry, England.	Vancouver, B. C.	Ballast	
San Vincente	1	2	Amer.	Quaker Line	Albany, N. Y.	Seattle, Wash.	General	2,638
J-29 <sup>5</sup>	1	2	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona <sup>2</sup>	1	2	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	1	2	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-44 <sup>7</sup>	1	2	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-45 <sup>7</sup>	1	2	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-46 <sup>7</sup>	1	2	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Gannet <sup>10</sup>	1	2	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-42 <sup>7</sup>	1	2	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Submarine. <sup>6</sup> Mine sweeper. <sup>7</sup> Mine planter. <sup>8</sup> For bananas and return to Cristobal. <sup>9</sup> General, steel, coal.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
S-47 <sup>7</sup>			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Beeceelite <sup>1 2</sup>	2	4	Brit.	Imperial Oil Co.	Halifax, N. S.	Vancouver, B. C.	Ballast	
Jevington Court	2	3	Brit.	Seaboard Shipping Co.	Hull, England	Vancouver, B. C.	Ballast	
Port Adelaide	2	3	Brit.	Port Line, Ltd.	Philadelphia, Pa.	Adelaide, Aust'lia	General	8,651
Pacific Pioneer <sup>2</sup>	3	3	Brit.	Furness, Withy & Co.	Glasgow, Scotland	Vancouver, B. C.	General	681
President Herrenschmidt <sup>1 2</sup>	3	3	Nor.	S. O. C. O. M. A. R., Paris.	Sta. Cruz, Can. Is.	Talara, Peru	Ballast	
Gen. Wm. M. Graham <sup>11</sup>	30		Amer.	U. S. Army	Cristobal, C. Z.	Ped. Miguel, C.Z.	Ballast	
Mallard <sup>10</sup>			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Manizales	2	4	Ger.	North German Lloyd	Cristobal, C. Z.	Guayaquil, Ecua.	General	289
Kwanto Maru <sup>2</sup>	3	4	Jap.	Osaka Shosen Kaisha	Boston, Mass.	Kobe, Japan	Gen., autos.	7,466
Mobilgas <sup>1</sup>	4	4	Amer.	Socony Van. Oil Co.	Portland, Me.	Los Angeles, Cal.	Ballast	
Montgomery City	4	4	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Tacoma, Wash.	General	5,329
Fernmoor <sup>2</sup>	4	4	Brit.	N. Z. Shipping Co.	Antwerp, Belgium	Auckland, N. Z.	Fertilizer	8,459
El Ciervo <sup>1</sup>	4	4	Brit.	Consom. de Petrole.	Falmouth, Eng.	Cabo Bl'co, Peru	Ballast	
Percira	30	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	1,210
Chio <sup>2</sup>	3	4	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Tumaco, Colom.	General	249
Nuevo Panama <sup>2</sup>	3	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	275
Istmo	3	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	275
Patria <sup>13</sup>	4	4	Cuban.	Cuban Government	Cienfuegos, Cuba	B'ventura, Col.	Ballast	
Porto Bello <sup>3</sup>	4	4	Pan.	A. Tagaropulos	Cristobal, C. Z.	Real, R. P.	General	1
Santore	4	5	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Nordic	5	5	Swed.	General S. S. Corp.	Barry, England	Eureka, Calif.	Ballast	
Trimountain <sup>1</sup>	5	5	Amer.	B. L. Shipping Co.	Fall Riv., Mass.	Los Angeles, Cal.	Ballast	
Cucuta <sup>14</sup>	5		Colom.	Colombian Govt	Cartagena, Col.	Balboa, C. Z.	Drydocking	
Nebraskan	5	5	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	1,487
Royal Star	5	5	Brit.	Blue Star Line	Tyne, England	Vancouver, B. C.	Ballast	
Drechtijk <sup>2</sup>	5	6	Neth.	N. Pac. Coast Line	Rotterdam, Neth.	Vancouver, B. C.	General	2,549
Fortuna <sup>3</sup>	4	6	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Enoch <sup>3</sup>	5	6	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	Ballast	25
Vicennes <sup>12</sup>	6	7	Amer.	U. S. Navy	Norfolk, Va.	Los Angeles, Cal.	Ballast	
Illinois	5	6	Amer.	Quaker Line	Philadelphia, Pa.	Seattle, Wash.	General	2,435
Gen. Wm. M. Graham <sup>11</sup>	5		Amer.	U. S. Army	Cristobal, C. Z.	P. Miguel, C. Z.	Tow barges	
Point Caleta	6	6	Amer.	Swayne & Hoyt	New Orleans, La.	Seattle, Wash.	General	5,778
Arimasan Maru <sup>2</sup>	6	6	Jap.	Mitsui Bussan Kaisha	Philadelphia, Pa.	Dairen, China	General	6,572
Eskdalegate	6	6	Brit.	Chile Nit. Sales Corp.	Dunkerque, Fr.		Ballast	
Talarahite <sup>1</sup>	6	6	Brit.	International Pet. Co	Baytown, Tex.	Talara, Peru	Gasoline	726
Santa Barbara <sup>2</sup>	6	7	Amer.	Graec Line	New York, N. Y.	SanAntonio, Chile	General	2,175
Lt. Col. H. C. Schumm <sup>4</sup>	5		Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Lillian Luckenbach	6	7	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,945
Labaina	6	7	Amer.	Matson Nav. Co.	New York, N. Y.	Honolulu, T. H.	General	5,743
Steelmaker	6	7	Amer.	Isthmian S. S. Lines	Mobile, Ala.	S. Francisco, Cal.	Steel rails	7,367
Bethore	6	7	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Cabonne <sup>15</sup>	6	9	Amer.	U. S. Government	Baltimore, Md.	Sta. Barbara, Calif.	Ballast	
Merop <sup>1</sup>	6	8	Fr.	Raffineries de Berre	Berre, France	Talara, Peru	Ballast	
California Express <sup>2</sup>	6	7	Nor.	Fruit Express Line	Glasgow, Scotland	Los Angeles, Cal.	Ballast	
Sessa	7	7	Dan.	Wessel, Duval & Co.	New York, N. Y.	Talcahuano, Chile	General	2,424
King Lud <sup>2</sup>	7	7	Brit.	Anglo-Can. S. S. Co.	Hull, England	Vancouver, B. C.	Ballast	
Copiapo <sup>2</sup>	6	7	Chile.	Sud. Amer. de Vapores	Nakskov, Den.	Valparaiso, Chile	General	550
Chincha <sup>2</sup>	6	7	Peru.	Adminis. de Guano.	Hamburg, Ger.	Callao, Peru	(17) General	800
Samuel Bakke <sup>2</sup>	7	8	Nor.	Knut Knutsen, O.A.S.	Oslo, Norway	Vancouver, B. C.	Cement	1,402
Uranienborg	7	8	Dan.	Chile Nit. Sales Corp.	Lake Charles, La.	Tocopilla, Chile	Ballast	
Trois Ilets	2	8	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	29
Hopestar	7	8	Brit.	Chile Nit. Sales Corp.	Tyne, England	Tocopilla, Chile	Ballast	
H. M. Storey <sup>1</sup>	7	8	Amer.	Standard Oil of Calif.	Providence, R. I.	S. Francisco, Cal.	Ballast	
Loosdrecht <sup>1 2</sup>	8		Neth.	Shell Oil Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
Lme <sup>1 2</sup>	7	8	Ital.	Italia, S. A.	Genoa, Italy	Vancouver, B. C.	General	920
Berganger <sup>2</sup>	8	8	Nor.	Interocean S. S. Corp.	Amsterdam, Neth	Vancouver, B. C.	General	60
Limon	7	8	Amer.	United Fruit Co.	Boston, Mass.	Pto. Arm'les, R.P.	Ballast	
Nero <sup>2</sup>	7	8	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Tumaco, Colom.	General	78
Seattle <sup>2</sup>	7	9	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B. C.	General	4,639
Kimikawa Maru <sup>2</sup>	8	8	Jap.	Kawasaki Kisen Co.	New York, N. Y.	Dairen, China	Cotton, rosin	7,970
Woodcock <sup>10</sup>			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Solea <sup>1</sup>	8		Amer.	Tidewater Oil Co.	Texas City, Tex.	Pacific coast	Fuel oil	9,460
Imperial Star <sup>2</sup>	8	9	Brit.	Blue Star Line	London, England	N. Plym'th, N. Z.	Gen., oranges	8,103
Gypsum Prince	9	9	Brit.	Chile Nit. Sales Corp.	New York, N. Y.	Tocopilla, Chile	Ballast	
Greggila	9	9	Brit.	Donaldson Line	Glasgow, Scotland	Vancouver, B. C.	General	977
Tai Ping <sup>2</sup>	9	9	Nor.	Barber-Wilhelmsen	New York, N. Y.	Manila, P. I.	General	3,368
Margaret Johnson	2	9	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B. C.	General	4,168
Tennesseean	9	9	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General	1,791
Port Halifax <sup>2</sup>	9	11	Brit.	Mont.-Aust.-N.Z. Line	Halifax, N. S.	Adelaide, Aust'lia	General	6,017
Amton	7	10	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile	General	3,376
La Union <sup>2</sup>	8		Pan.	A. Valdez	Cristobal, C. Z.	Balboa, C. Z.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Submarine. <sup>11</sup> Mine planter. <sup>12</sup> Cruiser-Gunboat. <sup>14</sup> Training ship. <sup>15</sup> Coast Guard ship. <sup>16</sup> For bananas and return to Cristobal. <sup>17</sup> Synthetic nitrate.



ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Nailsea Meadow.	9	10	Brit...	Kawasaki Kisen K.	Baltimore, Md.	Long Beach, Cal.	Ballast	
City of Dieppe.	10	11	Brit...	Ellerman & Bucknall.	New York, N. Y.	Brisbane, Aust'lia	General	7,217
Fortuna <sup>3</sup>	8	...	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Nitro <sup>13</sup>	9	...	Amer.	U. S. Navy.	Norfolk, Va.	Balboa, C. Z.	Navy stores	1,840
Greek Mariner.	10	10	Greek.	Neill & Pandelis, Ltd.	Malmö, Sweden.	B'ventura, Col.	Ballast	
Nagara Maru <sup>2</sup>	10	10	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Kobe, Japan.	(14)	7,065
Orestes.	9	10	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Valparaiso, Chile.	General	1,528
W. R. Keever.	10	10	Amer.	Texas & Freeport Sul.	Freeport, Tex.	Longview, Wash.	Sulphur	7,480
King Neptune <sup>2</sup>	10	10	Brit...	Australian Disp. Line.	Manchester, Eng.	Brit. Columbia.	Ballast	
Istmo.	9	10	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	214
Steelore.	10	11	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Gen. Wm. M. Graham. <sup>11</sup>	6	...	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	

PACIFIC TO ATLANTIC

Springbank <sup>2</sup>	11	11	Brit...	Colonial Sugar Ref.	Fiji Islands.	United Kingdom.	Sugar	8,028
Lihue.	10	11	Amer.	Anglo-Can. S. S. Co.	Seattle, Wash.	Liverpool, Eng.	(15)	8,024
Bethore.	11	11	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,200
Orazio <sup>2</sup>	11	12	Ital.	Italian Line.	Valparaiso, Chile.	Genoa, Italy.	General	3,252
Istmo.	11	12	Pan...	Elliot Ship. & Land Co.	B'ventura, Colom.	Cristobal, C. Z.	Coffee	657
Clio <sup>2</sup>	11	12	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee, hides	310
La Union <sup>2</sup>	11	12	Pan...	A. A. Valdes	Bayano, R. P.	Cristobal, C. Z.	Bananas	26
Tacoma.	11	12	Ger.	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	(16)	8,176
John Bakke <sup>2</sup>	11	12	Nor...	Knutsen Line.	Vancouver, B. C.	Belfast, Ireland.	General	7,452
Misoa <sup>1</sup>	6	12	Brit...	Largo Shipping Co.	Balboa, C. Z.	Aruba, N. W. I.	Ballast	
Antigua.	11	13	Amer.	United Fruit Co.	S. Francisco, Cal.	New York, N. Y.	General	165
Asia <sup>2</sup>	11	13	Dan.	East Asiatic Co.	Vancouver, B. C.	Hull, England.	Barley, lum.	10,000
Eskbank <sup>2</sup>	11	12	Brit...	Bank Line, Ltd.	Vancouver, B. C.	Sharpness, Eng.	Grain, lum.	8,500
Komaki Maru <sup>2</sup>	12	13	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	St. Johns, Can.	Silk, gen.	4,649
Calmar.	12	12	Amer.	Calmar S. S. Corp.	Portland, Oreg.	Baltimore, Md.	(17)	6,429
Leticia <sup>2</sup>	11	12	Pan...	A. Tagaropoulos	Darien, R. P.	Cristobal, C. Z.	Plantains	45
Parthenia.	12	12	Brit...	Donaldson Brothers.	Victoria, B. C.	Glasgow, Scot.	General	6,224
Everett.	12	13	Amer.	Anglo-Can. S. S. Co.	Seattle, Wash.	Hull, England.	Wheat, lum.	8,050
Rotula <sup>1</sup>	12	13	Neth.	Anglo-Saxon Pet. Co.	S. Francisco, Cal.	Guacaco, N. W. I.	Gasoline	11,653
Dakotan.	13	13	Amer.	Amer.-Hawaiian Line.	S. Francisco, Cal.	Boston, Mass.	General	5,953
San Francisco.	13	14	Fr.	French Line.	Portland, Oreg.	Rotterdam, Neth.	General	5,869
Mathew Luckenbach.	13	13	Amer.	Luckenbach Line.	Portland, Oreg.	Mobile, Ala.	General	3,376
Nordstjernen <sup>2</sup>	13	13	Brit...	Johnson Line.	Vancouver, B. C.	Stockholm, Swed.	General	6,005
Puerto Rican.	13	13	Amer.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Pensacola, Fla.	Nitrate	8,900
Scottish Heather <sup>1</sup>	12	13	Brit...	Standard Oil of N. J.	Talara, Peru.	S'ampton, Eng.	Crude oil	9,913
California.	13	14	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General	4,573
Mayan.	13	20	Amer.	Grace Line.	Champ'ico, Guat.	Cristobal, C. Z.	General	262
Arimasan Maru <sup>2</sup>	13	14	Jap.	Mitsui Bussan Kaisha	Panang, Mal.Pen.	Baltimore, Md.	General	7,290
Louisianan.	13	14	Amer.	Grace Line.	San Antonio, Chile	New York, N. Y.	Sugar, gen.	8,021
Damsterdijk <sup>2</sup>	13	15	Neth.	Holland-Amer. Line.	Victoria, B. C.	Rotterdam, Neth.	General	9,692
Nailsea Meadow.	14	14	Brit...	Chile Nit. Sales Corp.	Tocopilla, Chile.	Savannah, Ga.	Nitrate	8,400
Santa Clara.	13	15	Amer.	Grace Line.	San Antonio, Chile	New York, N. Y.	General	5,304
Sona <sup>2</sup>	14	15	Pan...	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
Tuira <sup>2</sup>	14	15	Pan...	Julio Laffargue.	Darien, R. P.	Cristobal, C. Z.	Bananas	53
La Union <sup>2</sup>	14	15	Pan...	Henriquez Co.	Agua dulce, R. P.	Cristobal, C. Z.	Salt	67
Barneveld.	14	15	Neth.	Royal Neth. S. S. Co.	Talcahuano, Chile	Hamburg, Ger.	General	8,156
Fresno Star.	14	15	Brit...	Blue Star Line.	N. Westm'er, B. C.	Newcastle, Eng.	Frozen, gen.	6,878
Santore.	14	15	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,200
Liberty Glo.	15	15	Amer.	Amer.-For. S. S. Corp.	Seattle, Wash.	Bridgeport, Conn.	Lumber	6,593
Brazilian Reefer.	15	15	Dan.	J. Lauritzen	Seattle, Wash.	Haifa, Palestine.	Fruit	1,434
Villager <sup>2</sup>	15	15	Nor...	InterOcean S. S. Corp.	Seattle, Wash.	Rotterdam, Neth.	General	6,717
Winslow <sup>5</sup>	15	...	Amer.	U. S. Army.	Balboa, C. Z.	Gatun Lake, C. Z.		
Middlesex.	15	16	Brit...	Federal Steam Nav. Co.	Bluff, N. Z.	Glasgow, Scot.	Frozen, gen.	8,390
Tuscaloosa City.	15	16	Amer.	Isthmian S. S. Lines.	Hilo, T. H.	Baltimore, Md.	General	7,342
Itauri.	16	16	Ger.	Hamburg-Amer. Line.	Corral, Chile.	Hamburg, Ger.	General	8,065
San Gabriel.	16	16	Amer.	Pac.-Atlantic Corp.	Portland, Oreg.	Wilmington, Del.	Lumber, gen.	6,362
Point Judith.	16	16	Amer.	Swayne & Hoyt	Portland, Oreg.	Tampa, Fla.	Lumber, gen.	5,614
Nero <sup>2</sup>	16	18	Neth.	Royal Neth. S. S. Co.	Guayaquil, Equa.	Cristobal, C. Z.	Coffee, gen.	3,44
Indianan.	16	16	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	6,814
Reina del Pacifico <sup>2</sup>	16	17	Brit...	Pacific Steam Nav. Co.	Valparaiso, Chile.	Liverpool, Eng.	Copper, gen.	6,134
Tokai Maru <sup>2</sup>	16	17	Jap.	Osaka Shosen Kaisha.	Dairen, China.	Baltimore, Md.	General	1,759
Nalon.	16	17	Brit...	Royal Mail Lines.	N. Westm'er, B. C.	London, England.	Fruit, metal.	3,961
Canadian.	16	17	Amer.	Grace Line.	Valparaiso, Chile.	New York, N. Y.	Sugar	4,233
Steel Worker.	17	18	Amer.	Isthmian S. S. Co.	Portland, Oreg.	Liverpool, Eng.	General	7,930
Ino <sup>2</sup>	17	18	Neth.	Royal Neth. S. S. Co.	Tumaco, Col.	Cristobal, C. Z.	Coffee	44
Durazzo.	17	19	Ger.	Hamburg-Amer. Line.	Guayaquil, Equa.	Cristobal, C. Z.	Coffee, gen.	1,054
Marian Otis Chandler.	17	17	Amer.	Morgan Nav. Co.	Honolulu, T. H.	East coast U. S.	Sugar	7,200
Flomar.	17	17	Amer.	Calmar Line.	Olympia, Wash.	Baltimore, Md.	Lum., pulp.	5,854
H. M. Storey <sup>1</sup>	17	17	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Baltimore, Md.	Furnace oil	14,602

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Mine planter. <sup>11</sup> Auxiliary. <sup>12</sup> General, lubricating oil, etc. <sup>13</sup> Lumber, wheat, fish. <sup>14</sup> Lumber, fruit, general. <sup>15</sup> Copper, wood pulp, lumber.



## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
City of Dalhart <sup>2</sup>	17	17	Amer.	Roosevelt S. S. Co.	Sydney, N. S. W.	Baltimore, Md.	General	5,952
Laurits <sup>2</sup>	17	20	Ger.	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	Wheat, gen.	7,766
Portland Swenson <sup>2</sup>	17	18	Nor.	Fred Olsen & Co.	Vancouver, B. C.	Oslo, Norway	General	8,028
West Camargo	17	18	Amer.	McCormick S. S. Co.	Seattle, Wash.	New York, N. Y.	General	6,133
Stemmestad <sup>2</sup>	18	19	Nor.	Fern Line.	Sabang, P. I.	New York, N. Y.	General	7,096
Nuevo Panama <sup>2</sup>	18	19	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	83
Sidney M. Hauptman.	18	18	Amer.	Continental Grain Co.	Longview, Wash.	Rotterdam, Neth.	Wheat	8,562
Hindanger <sup>2</sup>	18	18	Nor.	Interocean S. S. Corp.	Los Angeles, Cal.	Rotterdam, Neth.	Wheat, gen.	7,136
Washington	18	18	Amer.	Weyerhaeuser S.S. Co.	Portland, Oreg.	Norfolk, Va.	Lumber, gen.	7,258
S-43 <sup>7</sup>	18	19	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Taira <sup>2</sup>	18	19	Pan.	Julio Laffargue	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Real <sup>2</sup>	18	19	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	38
Porto Bello <sup>2</sup>	18	18	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.		8
America <sup>2</sup>	18	19	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den.	(15)	9,595
Honestas	19	19	Ital.	Italian Line.	Antofagasta, Chile	Genoa, Italy	(19)	6,500
F. J. Luckenbach.	19	19	Amer.	Luckenbach Line.	Seattle, Wash.	Mobile, Ala.	General	2,739
Munchen <sup>2</sup>	19	19	Ger.	North German Lloyd.	Corral, Chile	Hamburg, Ger.	General	7,000
Steel Maker	19	19	Amer.	Isthmian S. S. Lines.	Everett, Wash.	Mobile, Ala.	Ballast	
Point Brava	19	20	Amer.	Dingwall Cotts	Seattle, Wash.	Birkenhead, Eng.	Grain, lum.	6,600
Istmo	19	20	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	651
Canadian Conqueror.	20	20	Brit.	M. A. N. Z. Line.	Whylla, Aust'lia	Halifax, N. S.	General	3,464
Alaska	20	20	Nor.	States Marine Corp.	Dairen, China	Philadelphia, Pa.	(17)	7,578
Uranienborg	20	20	Dan.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Lake Charles, La.	Nitrate	6,170
S-44 <sup>7</sup>	20	20	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
S-42 <sup>7</sup>	20	20	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
S-46 <sup>7</sup>	20	20	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
S-47 <sup>7</sup>	20	20	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Rhea <sup>1 2</sup>	20	21	Fr.	Cie. Fin. Belge Petrol	Talara, Peru.	Dunkerque, Fr.	Crude oil	11,132
Brynje <sup>2</sup>	21	21	Nor.	Canadian Transp. Co.	Vancouver, B. C.	Methil, Scotland	Lumber, gen.	6,287
Fortuna <sup>2</sup>	21	22	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Colon, R. P.	Bananas	46
Santa Barbara <sup>2</sup>	21	21	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	Metals, gen.	4,925
Salvador	21	28	Brit.	Pacific Steam Nav. Co.	Champico, Col.	Cristobal, C. Z.	General	412
West Nilus	21	21	Amer.	McCormick S. S. Co.	Seattle, Wash.	Buenos Aires, Arg.	General	5,506
Charles R. McCormick.	21	22	Amer.	Continental Grain Co.	Seattle, Wash.	Cobb, Ireland <sup>13</sup> .	Flour, wheat	9,310
Santa Rosa	21	22	Amer.	Grace Line	S. Francisco, Cal.	New York, N. Y.	General	2,982
Winslow <sup>3</sup>	21	21	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow, barge.	
La Union <sup>2</sup>	21	22	Pan.	A. A. Valdez	Bayano, R. P.	Cristobal, C. Z.	Bananas	17
Frank <sup>2</sup>	21	22	Pan.	E. J. Hooper	Darien, R. P.	Cristobal, C. Z.	Bananas	34
Sona <sup>2</sup>	21	22	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	26
S-45 <sup>7</sup>	22	22	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Winkleigh	21	22	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	London, England	Wheat, lum.	8,850
Chelsea	22	22	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>13</sup>	Nit. of soda	7,725
Silverpalm <sup>2</sup>	22	22	Brit.	Silver Line	Portland, Oreg.	Madras, India	Flour, gen.	7,896
Trois Ilets	22	27	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	335
Gen. Wm. M. Graham <sup>11</sup>	22	22	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Pacific President <sup>2</sup>	22	22	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Glasgow, Scot.	General	9,205
Kongsdal <sup>1 2</sup>	22	23	Nor.	Standard Oil of N. J.	Talara, Peru.	Rotterdam, Neth.	Gasoline	13,300
Gansdal <sup>2</sup>	22	23	Nor.	East Asiatic Co.	Dairen, China	Cobb, Ireland <sup>13</sup> .	Soy beans	7,900
Iocoma <sup>1</sup>	22	23	Brit.	West India Oil Co.	Talara, Peru	Halifax, N. S.	Ballast	
Republie <sup>3</sup>	22	24	Amer.	U. S. Army	Honolulu, T. H.	New York, N. Y.	Army stores	473
Moana <sup>2 6</sup>	17	25	Amer.	William B. Leeds	Long Beach, Cal.	New York, N. Y.	Ballast	
Washington Express. <sup>2</sup>	23	23	Nor.	Fruit Express Line.	S. Francisco, Cal.	Glasgow, Scot.	Fresh fruit	2,100
Ruahine	23	24	Brit.	New Zealand Line	Auckland, N. Z.	London, England	Frozen, gen.	6,027
Steel Engineer	23	23	Amer.	Isthmian S. S. Lines.	Pt. Angeles, Wash.	Baltimore, Md.	Lumber, gen.	8,254
Guadeloupe <sup>2</sup>	23	23	Fr.	French Line	Seattle, Wash.	Rotterdam, Neth.	Fruits, borax	1,977
Missourian <sup>2</sup>	23	23	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Gen., lumber	9,006
Emma Bakke <sup>2</sup>	23	23	Nor.	Knut Knutsen, O.A.S.	Valparaiso, Chile.	Oslo, Norway	General	7,349
Steeleore	24	24	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,000
Clio <sup>2</sup>	23	25	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	423
Gracia	24	24	Brit.	Donaldson Bros.	Vancouver, B. C.	Glasgow, Scot.	Fruit, gen.	6,540
Arizona	24	24	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	6,141
Tai Yin <sup>2</sup>	24	26	Nor.	Barber Line	Davao, P. I.	New York, N. Y.	General	6,630
Fortuna <sup>2</sup>	25	26	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Colon, R. P.	Bananas	25
Nero <sup>2</sup>	25	26	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	406
Cerigo	25	27	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	1,087
Marna	25	25	Dan.	West Coast Line.	Valparaiso, Chile.	New York, N. Y.	(15)	2,600
Tamaroa	25	25	Brit.	Shaw, Savill & Albion	Lyttleton, N. Z.	London, England	Frozen, gen.	5,612
Sedgepool	25	25	Brit.	Anglo-Can. S. S. Co.	Pt. Alberni, B. C.	Liverpool, Eng.	Lumber, gen.	7,281
Taira <sup>2</sup>	25	26	Pan.	Julio Laffargue	Darien, R. P.	Cristobal, C. Z.	Bananas	53
Istmo	25	27	Pan.	Elliot Ship. & Land Co.	B'ventura, Colom.	Cristobal, C. Z.	Coffee, gen.	652
Australian Reefer.	26	26	Dan.	J. Lauritzen.	Portland, Oreg.	Hull, England	Fruit	2,028

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Launch. <sup>6</sup> Yacht. <sup>7</sup> Submarine. <sup>8</sup> Transport. <sup>11</sup> Mine planter. <sup>13</sup> For orders.

<sup>14</sup> Lumber, plantains. <sup>15</sup> Fruit, lumber, grain. <sup>16</sup> Copper, nitrate. <sup>17</sup> Manganese ore, fish, flour.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Lagarto <sup>2</sup>	26	26	Brit...	Pacific Steam Nav. Co	Valparaiso, Chile.	Liverpool, Eng...	(14)	6,549
Nanman Maru	26	26	Jap...	Yamashita K. Kaisha.	Kobe, Japan...	Buenos Aires, Arg.	Silk, oil, gen.	3,443
Porto Bello <sup>2</sup>	25	26	Pan...	A. Tagaropoulos.	Darien, R. P.	Colon, R. P.	(15)	15
Astoria <sup>2</sup>	27	27	Dan...	Isbrandtsen-Moller...	Vancouver, B. C.	London, England	Wheat, lum.	7,480
Harcalo	27	27	Brit...	Chile Nit. Sales Corp.	Iquique, Chile.	Azores <sup>13</sup>	Nitrate	7,820
Point Palmas	27	27	Amer.	Swayne & Hoyt	Portland, Oreg.	Panama City, Fla.	General	6,130
Volunteer	27	27	Amer.	Lykes Bros., Ripley.	Bulan, P. I.	New Orleans, La.	Sugar, gen.	9,038
Pennsylvania	27	28	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General	4,454
Waipawa <sup>2</sup>	27	28	Brit...	Shaw, Savill & Albion	Auckland, N. Z.	London, England	General	7,111
Tropic Star <sup>2</sup>	28	28	Nor...	Chile Nit. Sales Corp.	Tocopilla, Chile.	Gulfport, Miss...	Nitrate	8,258
Uyo Maru <sup>2</sup>	28	28	Jap...	Mitsui Bussan Kaisha	Penang, Mal. Pen	Baltimore, Md.	Sugar, gen.	7,107
Winslow <sup>5</sup>	28	29	Amer.	U. S. Army	Balboa, C. Z.	Gatun Lake, C. Z.		
La Union	28	29	Pan...	Henriquez & Co.	Aguadulce, R. P.	Cristobal, C. Z.	Salt	60
Sona	28	29	Pan...	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	33
Real	28	29	Pan...	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	26
Trontolite <sup>1 2</sup>	28	30	Brit...	Imperial Oil Co.	Talara, Peru	Halifax, N. S.	Gasoline	7,432
Santa Rita <sup>2</sup>	27	29	Amer.	Grace Line	Antofagasta, Chile	New York, N. Y.	(16)	1,962
Lillian Luckenbach	28	29	Amer.	Luckenbach Line	Seattle, Wash	Boston, Mass...	General	8,995
Heffron	28	29	Amer.	Pac. Coast Dir. Line.	Portland, Oreg.	Baltimore, Md.	(17)	10,274
Kennington Court	28	29	Brit...	Chile Nit. Sales Corp.	Taltal, Chile	Azores <sup>13</sup>	Nitrate	7,500
Panaman	29	29	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass...	General	6,787
Trondanger <sup>2</sup>	29	29	Nor...	Interocean S. S. Corp.	Vancouver, B. C.	London, England	Grain, gen.	8,118
Schwaben	28	30	Ger...	North German Lloyd.	Vancouver, B. C.	Hamburg, Ger...	General	10,458
Chilore	30	30	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,600
Hakonesan Maru <sup>2</sup>	29	30	Jap...	Osaka Shosen Kaisha	Osaka, Japan	Buenos Aires, Arg.	General	3,397
Ida Knudsen <sup>1 2</sup>	29	30	Nor...	Standard Oil of N. J.	Talara, Peru	Halifax, N. S.	Crude oil	13,300
El Aleto <sup>1 2</sup>	29	30	Brit...	C. T. Bowring & Co.	Cabo Bl'co, Peru.	Ellesmere Pt., Eng.	Crude oil	10,109
Ferneliff <sup>2</sup>	29	30	Nor...	Chile Nit. Sales Corp.	Tocopilla, Chile.	Mobile, Ala.	Nitrate	7,800
Pereira	30	4	Pan...	Grace Line	Champ'co, Guat.	Cristobal, C. Z.	General	731
Baldhill <sup>1</sup>	30	30	Amer.	Shell Terminal Corp.	S. Francisco, Cal.	Sevaren, N. J.	Gas oil	8,967
Indien	29	31	Nor...	Italia Line	Vancouver, B. C.	Trieste, Italy	Wheat, gen.	7,251
Heranger <sup>2</sup>	30	30	Nor...	Interocean S. S. Corp.	Seattle, Wash	Rotterdam, Neth.	Wheat, gen.	7,014
Gen. W. M. Graham <sup>11</sup>	30	3	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, V. Z.		
Saarland	30	31	Ger...	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger.	General	8,210
Loosdrecht <sup>1 2</sup>	31	31	Neth...	Shell Oil Co.	Los Angeles, Cal.	Cuarcaco, N. W. I.	Gas oil	14,316
Ino <sup>2</sup>	31	31	Neth...	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	General	189
Lewis Luckenbach	31	31	Amer.	Luckenbach Line	Seattle, Wash	Boston, Mass...	General	12,000
Martin Bakke <sup>2</sup>	31	31	Nor...	Knut Knutsen	Vancouver, B. C.	Cardiff, Wales	Lumber, gen.	7,335
Kinai Maru <sup>2</sup>	31	1	Jap...	Osaka Shosen Kaisha.	Dairen, China.	Baltimore, Md.	General	2,689
Losmar	31	1	Amer.	Calmar Line	Seattle, Wash	Baltimore, Md.	Lumber, pulp	7,519
Norden <sup>2</sup>	1	2	Dan...	Kawasaki K. Kaisha.	Dairen, China.	New Orleans, La.	General	4,703
Breda	1	1	Neth...	Royal Neth. S. S. Co.	Corral, Chile.	Hamburg, Ger.	General	8,670
Harpoon	1	1	Amer.	Shepard S. S. Co.	S. Francisco, Cal.	Baltimore, Md.	Lumber, gen.	8,879
Wyoming	1	2	Fr...	French Line	Seattle, Wash.	Rotterdam, Neth.	(18)	5,869
Annie Johnson <sup>2</sup>	1	2	Swed.	Johnson Line	Vancouver, B. C.	Stockholm, Swed.	(19)	8,080
Lucijana	1	1	J-Slav.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>13</sup>	Nitrate	7,300
Nebraska	1	2	Brit...	Royal Mail Lines	Victoria, B. C.	Rotterdam, Neth.	Frozen, gen.	7,207
Sona <sup>2</sup>	1	2	Pan...	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
Porto Bello <sup>2</sup>	1	1	Pan...	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(20)	30
Real <sup>2</sup>	1	2	Pan...	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	30
Lelore	2	2	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,300
Vancouver	2	2	Ger...	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	General	8,155
Embassage	2	2	Brit...	Anglo-Can. S. S. Co.	Vancouver, B. C.	London, England	Grain, gen.	8,434
Floridan	2	2	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	7,600
Forest <sup>2</sup>	2	2	Brit...	Seaboard S. S. Co.	Portland, Oreg.	Manchester, Eng.	Lum., grain.	8,690
Manizales	2	4	Ger...	North German Lloyd.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	1,086
Vancouver City <sup>2</sup>	2	2	Brit...	Readon-Smith Line.	Los Angeles, Cal.	Liverpool, Eng.	Cotton	5,218
Trois Ilets	2	8	Fr...	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee, wax	302
Arundo	2	2	Neth...	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>13</sup>	Nitrates	8,575
Babbitt <sup>9</sup>	3	1	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Vibrant <sup>2</sup>	2	3	Nor...	Knut Knutsen	N. Westm'er, B. C.	United Kingdom.	Fresh fruit	1,558
San Angelo	2	3	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	8,314
Pennmar	2	3	Amer.	Calmar Line	Longview, Wash.	Baltimore, Md.	Lum., copper	6,565
El Mirlo <sup>1 2</sup>	2	3	Brit...	C. T. Bowring & Co.	Cabo Bl'co, Peru.	Ellesmere, Eng...	Crude oil	11,373
Clio <sup>2</sup>	2	3	Neth...	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee, hides	477
Nuevo Panama <sup>2</sup>	3	4	Pan...	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	216
Sandham <sup>2</sup>	3	3	Swed.	Canadian Transp. Co.	Everett, Wash.	Antwerp, Belgium	Wheat, lum.	7,560
Santa Paula <sup>2</sup>	3	4	Amer.	Grace Line	S. Francisco, Cal.	New York, N. Y.	General	4,837
Istmo	3	4	Pan...	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	655
American Robin	3	3	Amer.	Amer. For. S. S. Corp.	Pt. Angeles, Wash.	New York, N. Y.	Lumber	6,845
Woodcock <sup>4</sup>	3	3	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
L-41 <sup>2</sup>	3	3	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Pacific Exporter <sup>2</sup>	3	4	Brit...	Furness, Withy & Co.	Vancouver, B. C.	Glasgow, Scotland	General	9,104
Santa Lucia	3	5	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	6,119

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Tug. <sup>4</sup> Launch. <sup>5</sup> Destroyer. <sup>6</sup> Mine planter. <sup>7</sup> For orders. <sup>8</sup> Sugar, cotton, nitrate. <sup>9</sup> Plantains, lumber. <sup>10</sup> Copper, cotton, bananas, coffee. <sup>11</sup> Lumber, pulp, grain. <sup>12</sup> Wheat, fruit, general. <sup>13</sup> Wheat, barley, general. <sup>14</sup> Plantains, logs.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Caduceus.....	3	4	Brit...	Anglo-Can. S. S. Co...	Victoria, B. C....	Avonmouth, Eng.	Cereals, lum.	6, 970
Fortuna.....	4	5	Pan...	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z....	Bananas.....	38
British Monarch.....	3	4	Brit...	Canadian Transp. Co.	Vancouver, B. C.	Leith, Scotland...	Lum., wheat.	7, 910
Eastern Glade.....	4	4	Amer...	Canadian-Gulf Line...	Powell Riv., B. C.	Houston, Tex....	(14)	5, 960
Oregonian.....	4	4	Amer...	Amer.-Hawaiian Line.	Seattle, Wash....	Boston, Mass....	General.....	7, 168
Chr. Knudsen 2.....	4	4	Nor...	Canadian Transp. Co.	Pt. Alberni, B. C.	Grangem'th, Scot.	Barley, lum.	7, 920
Acajutla.....	4	11	Brit...	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z....	General.....	255
St. Cuthbert 2.....	3	5	Brit...	Warren Transp. Co....	Corinto, Nicara...	Puerto Mexico...	Ballast.....	
Dagbild 1 2.....	4	5	Nor...	Standard Oil of N. J..	Talara, Peru....	S'ampton, Eng....	Crude oil....	13, 700
Brete Maersk 2.....	4	5	Dan...	Isbrandtsen Moller...	Manila, P. I....	Baltimore, Md....	(15)	7, 447
Lt. Col. H. C. Schumm 4	5	6	Amer...	U. S. Army.....	Balboa, C. Z....	Cristobal, C. Z....		
Susan V. Luckenbach.....	5	6	Amer...	Luckenbach Line....	Seattle, Wash....	New York, N. Y.	(16)	6, 673
Frida.....	5	6	Dan...	West Coast Line....	San Antonio, Chile	Boston, Mass....	Gen., nitrate	2, 500
Hanley.....	5	6	Amer...	Weyerhaeuser S. S. Co	Longview, Wash.	Philadelphia, Pa.	General.....	10, 962
Ferngen 2.....	6	6	Nor...	Fern Line.....	Manila, P. I....	Norfolk, Va....	General.....	8, 470
City of Delhi.....	6	6	Brit...	Ellerman & Bucknall	Adelaide, Aust'lia	Halifax, N. S....	General.....	3, 047
L. A. Christensen 2	6	6	Nor...	Chile Nit. Sales Corp.	Tocopilla, Chile.	Savannah, Ga....	Nit. of soda...	7, 626
American Reefer 2	6	6	Dan...	J. Lauritzen.....	S. Francisco, Cal.	Haifa, Palestine.	Fruit, gen....	2, 163
Marore.....	6	7	Amer...	Ore S. S. Corp....	Cruz Gr'de, Chile	Baltimore, Md....	Iron ore....	21, 800
Nero 2.....	6	8	Neth...	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z....	Coffee, gen....	469
Phyllis Soto.....	6	7	Amer...	Anglo-Can. S. S. Co.	Pt. Alberni, B. C.	Manchester, Eng.	(17)	4, 814
Gannet 4.....	7	11	Amer...	U. S. Navy.....	Balboa, C. Z....	Cristobal, C. Z....		
Dusseldorf 2.....	6	8	Ger...	North German Lloyd.	Talcahuano, Chile	Hamburg, Ger....	General.....	6, 002
Antigone.....	6	7	Brit...	Andrew Weir & Co.	Townsville, Aust.	London, England	(18)	7, 524
Nojima Maru 2.....	7	8	Jap...	Nippon Yusen Kaisha.	Keelung, Japan...	New York, N. Y.	General.....	4, 077
Asosan Maru 2.....	7	7	Jap...	Mitsui & Co.....	Cebu, P. I....	Baltimore, Md....	Silk, gen....	7, 280
Durazzo.....	7	11	Ger...	Hamburg-Amer. Line.	Guayaquil, Ecua.	Cristobal, C. Z....	Coffee, gen....	1, 159
Etrickbank 2.....	8	8	Brit...	Canadian Transp. Co.	Seattle, Wash....	Liverpool, Eng....	Grain, lum.	8, 500
Fortuna 2.....	8	10	Pan...	Elliot Ship. & Land Co.	Darien, R. P....	Colon, R. P....	Bananas.....	63
Hadiotis.....	8	8	Greek	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores 13.....	Nitrate.....	7, 550
Ingersaks.....	8	8	Nor...	Chile Nit. Sales Corp.	Iquique, Chile...	Savannah, Ga....	Nitrate.....	7, 800
Florence Luckenbach.....	8	8	Amer...	Luckenbach Line....	Portland, Oreg...	Mobile, Ala....	General.....	5, 875
Porto Bello 2.....	7	8	Pan...	A. Tagaropoulos....	Darien, R. P....	Colon, R. P....	(19)	12
Frank 2.....	8	8	Pan...	E. J. Hooper.....	Darien, R. P....	Cristobal, C. Z....	Bananas.....	35
La Union 2.....	8	9	Pan...	A. A. Valdez.....	Bayano, R. P....	Cristobal, C. Z....	Bananas.....	29
Kiyokawa Maru 2	8	10	Jap...	Kawasaki K. Kaisha.	Manila, P. I....	Philadelphia, Pa.	Copra, gen....	8, 160
Cellina 2.....	9	10	Ital.	Italian Line.....	Vancouver, B. C.	Trieste, Italy....	Gen., lumber	7, 343
Tregenna.....	9	9	Brit...	Queensland Govt.	Cairns, Australia.	Halifax, N. S....	Sugar.....	7, 024
Alaska.....	9	10	Fr...	French Line.....	Valparaiso, Chile.	Havre, France....	General.....	8, 499
Delftdijk 2.....	9	10	Neth...	N. Pac. Coast Line...	Victoria, B. C....	Rotterdam, Neth.	General.....	9, 000
Honolulan.....	9	9	Amer...	Chile Nit. Sales Corp.	Antof gasta, Chile	Pensacola, Fla....	Nitrate.....	10, 700
Rangitata 2.....	9	9	Brit...	N. Z. Shipping Co....	Wellington, N. Z.	London, England	Frozen, gen...	7, 365
Alaskan.....	9	9	Amer...	Amer.-Hawaiian Line.	Portland, Oreg...	Boston, Mass....	General.....	7, 044
Oregon Express 2	9	9	Nor...	Fruit Express Line...	Portland, Oreg...	Havre, France....	Fresh fruit...	1, 950
Istmo.....	9	10	Pan...	Elliot Ship. & Land Co.	B'ventura, Col...	Cristobal, C. Z....	Coffee.....	654
Svealand 2.....	9	10	Swed...	Ore S. S. Corp....	Cruz Gr'de, Chile	Baltimore, Md....	Iron ore....	21, 800
District of Columbia 1	9	10	Amer...	Standard Oil of Calif.	S. Francisco, Cal.	Providence, R. I.	Furnace oil...	10, 071
Lindenhall.....	9	10	Brit...	Anglo-Can. S. S. Co.	Port Tasis, B. C.	Liverpool, Eng....	Lum., gen....	8, 134
Hermionthis 2.....	9	11	Ger...	Hamburg-Amer. Line.	Valparaiso, Chile.	Hamburg, Ger....	General.....	5, 674
San Anselmo.....	10	10	Amer...	Quaker Line.....	Portland, Oreg...	Philadelphia, Pa.	Gen., lumber	8, 586
Boskoop.....	10	11	Neth...	Royal Neth. S. S. Co.	Talcahuano, Chile	Hamburg, Ger....	General.....	7, 934
Pont Chico.....	10	10	Amer...	Swayne & Hoyt....	Portland, Oreg...	Tampa, Fla....	Lumber, gen...	6, 456
Miguel De Larinaga.	10	10	Brit...	Chile Nit. Sales Corp.	Iquique, Chile...	Azores 13.....	Nitrate.....	7, 350
Elwood 1.....	10	10	Amer...	Shell Oil Co.....	Los Angeles, Cal.	Sewaren, N. J....	(20)	10, 206
Clio 2.....	10	11	Neth...	Royal Neth. S. S. Co.	Tumaco, Colom...	Cristobal, C. Z....	Coffee, hides	260

1 Tanker. 2 Motor ship. 4 Tug. 13 For orders. 14 Newsprint, shingles. 15 Coconut oil, general. 16 General, wood pulp. 17 Wheat, pulp, lumber. 18 Copra, concentrates. 19 Plantains, lumber. 20 Kerosene, gasoline.

Information from American Consuls

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.



### Comparison of Traffic at the Suez and Panama Canals for the First Eleven Months of the Calendar Years 1936 and 1937

The following is a comparison of traffic at the Suez and Panama Canals for the first eleven months of the calendar years 1936 and 1937:

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1936	1937	Increase	Decrease	1936	1937	Increase	Decrease
January	533	575	7.9		472	399		15.5
February	471	524	11.3		452	377		16.6
March	548	580	5.8		526	536	1.9	
April	490	621	26.7		482	473		1.9
May	484	567	17.2		488	544	11.5	
June	426	540	26.8		451	472		1.9
July	466	551	18.2		456	457	0.2	
August	471	531	12.7		473	505	6.8	
September	479	522	9.0		466	444		4.7
October	490	557	13.7		482	461		4.4
November	511	525	2.7		368	435	11.8	
Total	5,369	6,093	13.5		5,146	5,103		0.8

### Traffic Through the Panama Canal During Calendar Year 1937, by Nationality

Nationality	No. of ships	TONNAGE				Tolls	Tons of cargo
		Panama Canal net	United States equivalent	Registered gross	Registered net		
British	1,304	7,361,187	5,239,740	8,707,710	5,282,976	\$6,307,506.97	6,942,286
Chilean	17	60,768	46,573	85,567	50,320	57,523.70	68,892
Chinese	6	23,971	20,558	31,358	19,593	23,666.00	33,708
Colombian	1	1,629	1,274			1,172.88	
Costa Rican	1	337	290	483	299	362.50	214
Danish	213	921,442	596,553	1,016,733	613,728	711,769.97	918,605
Estonian	8	21,282	18,944	28,564	20,692	19,446.42	20,655
Finnish	1	2,865	2,489	3,939	2,353	3,111.25	4,920
French	111	623,560	415,354	760,738	422,250	506,759.23	611,973
German	349	1,416,640	953,147	1,661,760	982,784	1,180,271.33	1,610,691
Greek	89	399,628	303,331	461,695	284,087	358,722.23	495,044
Honduran	23	36,784	32,813	59,198	33,864	34,053.03	8,905
Hungarian	6	23,930	15,396	24,398	15,346	18,818.94	24,411
Italian	49	343,374	219,429	415,600	244,751	267,087.78	153,812
Japanese	297	1,768,174	1,292,957	2,078,931	1,280,452	1,599,504.07	1,970,460
Latvian	4	11,080	8,774	12,816	7,500	9,077.15	9,900
Netherlands	247	834,908	563,472	949,650	564,020	670,099.49	769,333
Norwegian	670	3,317,821	2,225,878	3,704,865	2,221,693	2,621,253.25	3,623,057
Panamanian	189	480,228	374,481	660,868	372,658	422,886.03	552,074
Peruvian	4	7,230	6,502	9,834	5,870	8,127.50	4,668
Philippine	3	19,110	13,903	21,856	13,833	17,378.75	31,681
Spanish	14	58,580	49,638	81,216	48,804	52,000.05	51,382
Swedish	111	529,672	357,523	938,628	438,563	411,238.71	768,445
Union of Soviet Socialist Republics	3	8,141	6,870	11,564	6,978	7,221.58	4,990
United States	1,802	10,215,202	7,079,722	11,826,469	6,986,447	8,577,294.61	10,538,560
Venezuelan	4	4,324	4,232	8,168	4,320	4,181.40	3,798
Yugoslav	16	68,068	53,116	85,844	53,059	59,538.13	75,672
Calendar year 1937	5,542	28,559,935	19,902,959	33,648,455	19,976,940	23,950,072.95	29,298,766
Calendar year 1936	5,487	27,999,836	19,543,355	33,157,542	19,655,543	23,531,581.92	27,369,615
Calendar year 1935	5,052	26,796,703	18,605,415	31,734,963	18,786,413	22,421,206.62	24,701,904

NOTE.—The above statement includes only ocean-going commercial traffic of 300 net tons or over, Panama Canal measurement.

Foreign naval vessels, other than transports, colliers, hospital ships, and supply ships, pay tolls at the rate of \$0.50 per ton displacement. Included in the preceding tabulation of transits and tolls, but not of tonnages, are the foreign naval vessels which transited the Canal during the calendar year 1937 and paid tolls on the basis of displacement tonnage, as follows:

Nationality	No. of vessels	Displacement tonnage	Tolls
British	8	32,304	\$16,152.00
Total	8	32,304	16,152.00



### Method of Propulsion of Ships Transiting the Panama Canal

The following table shows the method of propulsion of the ocean-going commercial vessels which transited the Canal in the calendar year 1937:

	No. of ships	Panama Canal net tonnage
Motor vessels.....	2,134	11,613,990
Steam vessels:		
Oil burners.....	2,415	13,041,766
Coal burners.....	968	3,880,351
Total cargo-carrying vessels.....	5,517	28,536,107
Noncargo-carrying vessels.....	25	23,828
Total.....	5,542	28,559,935

### Official Publications of Interest to Shipping

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of the Panama Canal and Adjacent Waters," and the current tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C.Z.; or, when more convenient, to The Panama Canal, Washington, D.C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa, a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

### Coal

Coal, bunker, U. S. Navy Standard Pool No. 1, run-of-mine, Pocahontas, or New River, is supplied to steamships, including warships of all nations, trimmed in bunkers at the following prices, per ton of 2,240 pounds: Cristobal, first 250 tons, \$7.75 per ton; second 250 tons, \$7 per ton; balance over 500 tons, \$6.50 per ton. Balboa, first 250 tons, \$10.75 per ton; second 250 tons, \$10 per ton; balance over 500 tons, \$9.50 per ton.

Extra charges are made in accordance with a published tariff for special trimming at the request of the officers of the ship, for galley, lump, or run-of-mine coal in sacks, and for delivery, when coal is furnished from lighters or launches away from the coaling piers.

Coal can be bunkered by bunkering machines at any rate up to 1,500 tons per hour, regulated by the amount of necessary trimming.

Coal for cargo is sold under the same conditions and at prices quoted for sale of coal for bunkers.

### Provisions Required by Ships

The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes, tobacco, etc., which are sold to ships at reasonable prices. Beef especially is available at low prices.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery or for delivery at the other terminal after transit.

### Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices, including the 20 percent surcharge, to individuals and companies, as of November 23, 1937:

Commodities	Unit	Price
Brass, bar, average.....	Lb.	\$0.23
Brass, sheet, average.....	Lb.	.26
Bronze, Tobin, average.....	Lb.	.23
Gasoline, motor grade.....	Gal.	.105
Metal, yellow.....	Lb.	.26
Oakum, Navy, spun.....	Lb.	.19
Oakum, Navy, unspun.....	Lb.	.18
Oil, gun and ice machine.....	Gal.	.28
Oil, burning, Colza.....	Gal.	1.03
Oil, engine, gas, light, in drums, No. 2135.....	Gal.	.24
Oil, engine, gas, extra heavy, in cases, No. 2250.....	Gal.	.32
Oil, engine, gas, extra heavy, in drums, No. 2250.....	Gal.	.28
Oil, kerosene, in drums.....	Gal.	.10
Oil, marine, engine.....	Gal.	.38
Paint, lead, white, dry.....	Lb.	.12
Paint, lead, white, in oil.....	Lb.	.11
Paint, zinc oxide, dry.....	Lb.	.08
Paint, zinc oxide, in oil.....	Lb.	.11
Grease, gear, chain and wire rope, lubricating.....	Lb.	.05
Grease, yellow, cup, No. 3, medium.....	Lb.	.06
Grease, yellow, cup, No. 5, hard.....	Lb.	.07
Soda, ash.....	Lb.	.03
Waste, cotton, colored.....	Lb.	.12
Waste, cotton, white.....	Lb.	.13

### Lubricating Oils

The following is a list of the different kinds of lubricating oil carried in stock at Panama Canal storehouses, and a brief description of each of the oils with a statement of the purpose for which it is generally used.

Requisitions and orders for oils placed with the storekeepers should state the name (including number, if any) of the oil desired exactly as given on the following list:

#### STATEMENT OF STANDARD LUBRICATING OILS AND THEIR USES

##### OILS, FORCE FEED AND MOTOR CYLINDER

*Medium, No. 2135.*—A medium oil for the lubrication of main turbines not driving through reduction gears, dynamos, and small internal combustion engines. Not to be used for steam cylinder lubrication.

*Heavy, No. 2190.*—A heavy oil that will separate quickly from water. For the lubrication of turbines with reduction gears, medium size internal combustion engines, and forced feed on main engines. A heavy bodied oil for use on auxiliary equipment.

*Extra heavy, No. 2250.*—An extra heavy oil for the lubrication of medium size internal combustion engines, power cylinders, air compressors, and bearings of Diesel engines.

*Ultra heavy, No. 2310.*—An ultra heavy oil for the lubrication of power cylinders, air compressors, and bearings of large Diesel engines.

*Tractor, heavy, No. 3100.*—A very heavy body oil for aircraft engines, high speed gasoline engines, motor trucks, motor boats, motor cycles, and Diesel engines S. A. E.-50.

*Diesel engine lubricating.*—For Diesel engines.

##### OILS, MISCELLANEOUS

*Ammonia cylinder* (gun and ice machine grade No. 125).—A refined petroleum oil without the admixture of fatty oils, resins, soap, or other compounds not derived from petroleum. For the lubrication of the cylinders of ice machines, pneumatic tools, and hydraulic systems.

*Car and locomotive.*—A lubricant on journals of all cars, passenger coaches, steam and electric locomotives.

*Castor.*—Grade "A." Used for lubricating purposes of the highest grade.

*Cutrie, soluble cutting.*—A mixture of soluble alkali soap in mineral and fixed saponifiable oils. For use in turret lathes and bolt machines.

*Fish.*—Used as a rust preventative and for tempering.

*Lard.*—For use on pipe cutting and threading machines.

*Insulating.*—Switch (Electrical Division).

*Insulating.*—Transformer (Electrical Division).

*Lubricant* (gear, chain and wire rope).—For lubrication and protection of chains, wire rope, and gears of cranes, dredges, steamshovels, etc.

*Machine, odorless.*—For use on typewriters.

*Machine, No. 4065, compounded.*—A compound of mineral with vegetable oil for the lubrication of reciprocating engines and auxiliaries where oiling is done by hand or through wick feed or drop oilers, also for thrust bearings. Must not be used for circulating of forced feed systems.

*Mineral steam cylinder, No. 5150.*—For use on reciprocating steam engines using dry saturated steam. For noncondensing steam engine cylinder lubrication (valve oil).

*Mineral steam cylinder, superheated.*—For use on reciprocating steam engines using superheated steam.

*Neatsfoot.*—For softening and preserving leather.

*Solvent.*—Rust-preventing lubricant, for general use.

*Sperm.*—Used principally by U. S. Navy.

### Facilities for Shipping

The Panama Canal is equipped with all the facilities for the fueling, supply, and repairs of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from ample stocks at both ends of the Canal. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as ice, meats (including native beef), fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes and tobacco, which are for sale to ships at reasonable prices. A modern laundry service is also available. Orders may be placed in advance by radio for prompt delivery on arrival at either terminal, or for delivery at the other terminal after transiting the Canal.

A 1,000-foot drydock, a smaller drydock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide means of making practically any kind of marine repairs.

Ample space exists at either terminal of the Canal for the berthing of vessels, as well as large, covered piers for the storage of cargo. These are modern structures: fireproof, rat proof, in splendid condition, well lighted and maintained in a clean and orderly condition.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal during the years of operation

### Location of Patients and Visiting Hours at Gorgas Hospital

The following table shows the distribution of patients in the Gorgas Hospital buildings and the visiting hours for the various wards and sections:

Section and Ward	Visiting Hours
Section "A:"	
Ward 2.....	Wards: Tuesdays, Thursdays, and Saturdays, 2:30 to 4:30 p. m.; 6:30 to 7:30 p. m. Sundays and holidays, 9:30 to 11:30 a. m.; 2:00 to 4:00 p. m. Private rooms: Same as Section "B."
Ward 3.....	
Ward 4, Private rooms.....	
Section "B:"	
Ward 5, Male, private rooms, American boys.....	Daily, 9:30 to 11:00 a. m.; 2:00 to 4:30 p. m.; 6:30 to 10:00 p. m.
Ward 6, Foreign, male and female, private rooms, American girls.....	
Ward 7, White female, private rooms.....	
Ward 8, Obstetrical department, white females.....	
Nursery.....	No visitors permitted in nursery.
Section "C:"	
Ward 9, Colored, male.....	Colored wards: Wednesdays, Fridays, Sundays, and holidays, 1:00 to 2:30 p. m. Visitors from Atlantic Side may remain until 3:00 p. m.
Ward 10, White foreign, male.....	
Ward 11, Colored, male (surgical).....	
Ward 12, Colored, male (medical).....	
Ward 13, Colored, male, G. U.....	
Ward 14, White, male, G. U.....	Tuesdays, Thursdays, Saturdays, 2:30 to 4:30 p. m.; 6:30 to 7:30 p. m. Sundays and holidays, 9:30 to 11:00 a. m.; 2:30 to 4:30 p. m.; 6:30 to 7:30 p. m.
Section "D:"	
Ward 15, American, male (surgical).....	Tuesdays, Thursdays, Saturdays, 2:30 to 4:30 p. m.; 6:30 to 7:30 p. m. Sundays and holidays, 9:30 to 11:00 a. m.; 2:30 to 4:30 p. m.; 6:30 to 7:30 p. m.
Ward 16, American, male (medical).....	
Ward 17, Colored children.....	Wednesdays, Fridays, Sundays, and holidays, 1:30 to 3:00 p. m.
Ward 18, White children.....	Daily, 9:30 to 11:00 a. m.; 2:00 to 4:30 p. m.
Ward 19, Colored, female (medical).....	Wednesdays, Fridays, Sundays and holidays, 1:00 to 2:30 p. m. Visitors from Atlantic Side may remain until 3:00 p. m.
Ward 20, Colored, female, surgical, obstetrical.....	
Isolation section.....	No visitors permitted except adults to visit tuberculosis patients, Thursdays, Sundays and holidays, 1:30 to 3:00 p. m.

Permission to visit outside of visiting hours may be granted upon application to the Superintendent's office.

Immediate relatives of seriously ill patients will be admitted at any time by and in the discretion of the attending physician, section nurse, and in her absence, the nurse in charge.

### Trips Through the Canal

The following lines operating passenger vessels through the Canal carry local passengers from one terminal to the other: Dollar Line, Grace Line, Hamburg-American Line, Johnson Line, Navigazione Generale Italiana, North German Lloyd, Pacific Steam Navigation Co., Panama Mail Steamship Co. The Panama-Pacific Line carries such passengers from Balboa to Cristobal only. The Hamburg-American Line, North German Lloyd, Panama Mail Line, Dollar Line, Grace Line, and Johnson Line, charge \$6 for the trip, the others \$10 for first-class passage. The Panama-Pacific Line has also a rate of \$6 for

tourist class. The several services together afford about 4 transits of the Canal each way every week.

### Binders for The Panama Canal Record

Cardboard covers, punched and fitted with brass fasteners forming binders for THE PANAMA CANAL RECORD are offered for sale at 25 cents a set, for the benefit of those who wish to keep a file of the issues for ready reference. Orders may be addressed to The Panama Canal, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.



*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXI Balboa Heights, C. Z., February 15, 1938 No. 7

## Traffic Through the Panama Canal in January 1938

The total vessels of all kinds transiting the Panama Canal during the month of January 1938, and for the same month in the two preceding years, are shown in the following tabulation:

	January 1936	January 1937	January 1938		Total
			Atlantic to Pacific	Pacific to Atlantic	
Ocean-going commercial traffic.....	472	399	233	211	444
Small commercial vessels <sup>1</sup> .....	44	97	39	30	69
Noncommercial vessels:					
United States Government.....	41	38	34	26	60
Colombian Government.....	1	1	1	1	2
For repairs.....	2	.....	1	1	2
Total.....	560	535	308	269	577

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC <sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the 12 months ended January 31, 1938, as compared with the previous 12 months:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8
February...	452	377	2,322,013	1,940,611	2,155,031	1,839,788	\$1,952,682.73	\$1,602,306.30
March.....	526	536	2,714,768	2,770,451	2,634,150	3,016,418	2,293,874.51	2,355,149.04
April.....	482	473	2,483,561	2,460,549	2,430,134	2,652,880	2,079,730.70	2,067,026.68
May.....	488	544	2,504,215	2,839,127	2,419,652	2,950,925	2,081,103.73	2,376,706.36
June.....	481	472	2,449,127	2,450,018	2,459,752	2,670,466	2,073,359.39	2,070,337.89
July.....	456	457	2,364,539	2,395,306	2,450,324	2,476,366	1,999,105.18	2,029,642.45
August.....	473	505	2,398,306	2,597,119	2,396,331	2,780,603	2,051,540.28	2,195,308.87
September.	466	444	2,428,317	2,312,725	2,526,366	2,385,142	2,045,440.82	1,935,673.78
October....	482	461	2,499,678	2,359,406	2,463,069	2,438,788	2,081,758.23	1,981,087.87
November.	368	435	1,768,738	2,280,565	1,747,368	2,185,283	1,485,054.25	1,893,462.00
December.	341	439	1,655,501	2,238,271	1,538,503	2,046,170	1,366,388.58	1,845,048.20
January....	399	444	1,915,787	2,219,496	1,855,937	2,095,402	1,598,323.51	1,837,894.72
Total....	5,414	5,587	27,504,550	28,863,644	27,076,617	29,538,231	23,111,361.91	24,189,644.16

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 net tons measurement (Panama Canal net), which transited the Panama Canal during the month of January 1938. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	39	2,605	\$2,392.75	1,068
Pacific to Atlantic.....	30	2,033	2,282.45	2,343
Total.....	69	4,638	4,675.20	3,411



Traffic by Nationality of Vessels<sup>3</sup> for January 1933

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
British	4 113	623,754	\$519,061.56	552,162
Chilean	2	10,153	8,897.50	6,955
Cuban	5 2		1,200.00	
Danish	17	66,180	48,723.75	51,401
French	11	61,420	50,358.23	60,087
German	23	87,930	72,441.25	79,017
Greek	9	40,640	31,391.58	27,448
Italian	5	37,339	28,432.50	11,674
Japanese	25	154,273	185,520.05	151,823
Netherlands	26	73,394	56,801.49	67,982
Norwegian	49	241,191	187,271.95	231,605
Panamanian	14	25,005	20,087.20	22,072
Peruvian	1	519	573.75	800
Swedish	8	38,256	30,040.00	72,814
United States	138	755,904	641,951.41	752,262
Yugoslav	1	3,478	3,142.50	7,300
Total	444	2,219,496	1,837,894.72	2,095,402

<sup>3</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement. <sup>4</sup> Includes 1 naval vessel, 1,845 displacement tons. <sup>5</sup> Naval vessels, 2,400 displacement tons.

## Traffic by Trade Routes for January 1933

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table, the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo frequently is laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	44	255,995	143,478	44	248,117	327,539
East coast United States and:						
Canada				2	9,281	13,520
Central America	1	2,280		1	2,280	943
South America	28	123,815	28,920	24	109,533	251,534
Balboa	1	5,025	9,460			
Hawaiian Islands	4	20,158	16,964	1	5,245	4,704
Australasia	4	24,622	26,616			
Philippine Islands	6	35,487	30,911	11	68,546	80,041
Far East	15	90,794	112,013	6	35,261	28,057
East coast Canada and:						
South America	1	4,455				
Australasia	2	11,492	10,168	3	15,503	14,770
Far East	1	6,834	7,590			
East coast Central America and Australasia	1	4,803	8,033			
South American intercoastal	1	860	1,722			
East coast South America and:						
Canada	2	9,748	7,788	1	4,997	6,947
Far East	2	11,754	3,866	1	5,939	6,268
Cristobal and:						
Central America	4	3,727	3,925	4	3,727	1,962
South America	16	9,325	3,211	17	10,308	10,801
West Indies and:						
United States	3	18,364		1	4,791	8,882
South America	3	13,481	25,587	1	6,465	13,235
Australasia	1	5,239	7,875			
Europe and:						
United States	11	52,342	6,000	8	46,460	73,454
Canada	36	206,369	44,145	39	203,793	288,092
Central America	1	2,423	3,203			
South America	25	126,053	35,475	29	152,945	240,908
Australasia	10	87,337	56,250	11	89,048	81,671
Far East	1	5,785	6,428	3	15,683	22,030
Egypt and South America	1	4,066				
Africa and Canada				1	5,054	8,000
Asia and:						
United States				1	2,881	2,163
Canada	1	1,946	72			
Around the world	2	11,943	3,475	1	4,861	6,706
Foreign vessels in ballast (United States intercoastal)	2	11,471				
Vessels not engaged in commerce <sup>6</sup>	6 3	785		7 1		
Total	233	1,168,778	603,175	211	1,050,718	1,492,227

<sup>6</sup> One yacht, and 2 naval vessels (3,045 displacement tons). <sup>7</sup> Naval vessel (1,200 displacement tons).

### Origin and Destination of Cargo by Major Areas

The following table summarizes the origin of cargo passing through the Canal in January 1938, and its destination by major geographical trade areas:

#### ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States.....	153,050	21,934	146,788	24,527	30,351	376,650
Other North America.....	2,042	4,374	2,504	36,287	26,537	71,744
Europe.....	37,231	13,948	6,428	31,549	51,735	140,891
Miscellaneous.....	8,389	490	3,380	1,312	319	13,890
Total.....	200,712	40,746	159,100	93,675	108,942	603,175

#### PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	321,302	16,859	169,772	13,546	521,479
Canada.....	13,520	3,812	184,792	5,739	207,863
Other North America.....	5,647	2,191	2,547	.....	10,385
South America.....	249,412	28,261	238,653	151	516,477
Australasia.....	1,782	12,988	81,671	.....	96,441
Asia.....	110,300	4,523	22,030	2,729	139,582
Total.....	701,963	68,634	699,465	22,165	1,492,227

### Principal Commodities

Commodities in transit through the Canal which aggregated 10,000 or more long tons either during January 1938 or January 1937 are listed below:

Commodity	January		Commodity	January	
	1937	1938		1937	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic</i>		
Asphalt and tar.....	17,582	9,204	Barley.....	596	18,580
Automobiles and parts.....	23,291	24,742	Beans.....	6,203	16,669
Canned goods.....	2,470	10,429	Canned goods.....	8,086	68,925
Cement.....	13,069	7,656	Coffee.....	18,796	15,392
Cotton raw.....	27,557	8,873	Cold storage, food products <sup>a</sup> .....	38,133	36,461
Iron and steel manufactures.....	40,418	124,087	Copra.....	17,290	31,499
Machinery.....	11,185	15,808	Cotton, raw.....	2,557	18,763
Manufactured goods, misc.....	2,222	10,426	Flour.....	1,982	16,791
Metals, various.....	28,362	34,940	Fruit, dried.....	305	22,743
Oils, mineral.....	74,593	68,583	Fruit, fresh <sup>a</sup> .....	23,077	29,925
Ores, various.....	13,651	3,286	Lumber.....	146,346	221,699
Paper and products.....	28,785	23,261	Metals, various.....	29,069	57,666
Phosphates.....	13,067	3,792	Nitrates.....	155,780	173,643
Railroad material.....	120	28,365	Oils, mineral.....	345,991	188,827
Serap metal.....	26,785	8,987	Oils, vegetable.....	12,117	15,097
Sand.....	15	10,817	Ores.....	142,969	196,103
Slag.....	17,650	10,883	Paper and products.....	5,756	11,057
Sugar.....	2,835	14,971	Phosphates.....	11,475	9
Sulphur.....	3,722	10,396	Soy beans.....	23,701	16,218
Tinplate.....	21,502	14,873	Sugar.....	89,249	81,620
.....	.....	.....	Wheat.....	137,360	92,137
.....	.....	.....	Wood pulp.....	213	31,712
.....	.....	.....	Wool.....	22,475	8,218

<sup>a</sup> Does not include fresh fruit.    <sup>a</sup> Does not include bananas.

### Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of January 1938, as reported in the cargo declarations showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small

items are frequently grouped under the designation of "general cargo;" the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts			11	52
Agricultural implements	1,818	219	3,879	241
Alfalfa meal		506		506
Ammonium compounds	57		3,608	
Animal foods <sup>10</sup>	36	231	58	306
Apparel, wearing (hats, shoes, clothing, etc.)	67	18	79	40
Asbestos	333	12	2,605	16
Asphalt and tar	60	162	9,204	694
Automobiles (and autotrucks)	2,290	26	17,253	47
Automobile parts and accessories	340	114	7,489	146
Bags and bagging, textile		149	324	149
Bamboo and products				1,049
Bananas				2,530
Barks, miscellaneous		63	2	337
Barley		180	51	18,580
Beans, edible, dry	61	9,352	231	16,669
Beer	512		534	
Beverages, nonalcoholic	753	21	753	21
Blood and tankage			126	30
Bones and bone meal			917	
Books and printed matter	296		305	
Borax	145	1,119	358	4,560
Bran and pollards		64		4,179
Bricks and tile	262		1,050	
Camphor, crude				103
Canned and preserved goods:				
Fish	368	10,495	730	15,580
Fruit	1,308	20,059	1,389	30,288
Meat	51	528	606	640
Milk	181	1,874	918	2,359
Soup	2,535	278	2,596	278
Vegetables	836	8,080	899	8,641
Miscellaneous and unclassified	902	8,064	3,291	11,139
Carbon black	18	9	63	9
Celite		1,057		1,057
Cement	174	29	7,656	29
Chalk			154	
Charcoal	59		109	
Chemicals <sup>10</sup>	1,382	983	6,237	2,066
Clay, china and fire	327	99	920	179
Clay, filtering		50		50
Coal			3,069	
Cocoa and cacao beans	168		724	1,129
Coconuts and products <sup>10</sup>	23	1,102	157	1,142
Coffee	36	52	6,102	15,392
Coke			4,499	
Cold storage and refrigerated products:				
Dairy products		42	101	19,415
Eggs		340	2	438
Fish	72	180	117	867
Lard	838	170	855	373
Meats	45	351	275	14,862
Poultry		200		200
Vegetables		153	46	158
Other and unclassified			36	118
Confectionery	609	50	640	50
Copra				31,499
Copra meal and cake			9	
Corn	8,506		8,506	250
Cotton, raw	145	1,521	8,873	18,763
Crocote	13		124	
Drugs and medicines	1,734	51	2,047	54
Dyes		86		88
Earthenware			47	
Electrical apparatus and appliances	663	327	1,377	639
Enamelware and metalware	52		99	200
Explosives			439	
Extract, quebracho			1,607	
Fertilizers <sup>10</sup>	18	387	1,308	497
Fish, salted or dry-cured				57
Fish meal		1,025	150	2,535
Floor coverings	891	1,049	1,058	1,369
Flour	125	13,549	588	16,791
Fruit, dried		10,740	86	22,743
Fruit, fresh <sup>10</sup>		968	512	29,925

<sup>10</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes, including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Furniture and household goods.....	264		322	
General.....	10,489	2,272	36,681	7,605
Glass and glassware.....	1,985	96	4,467	1,618
Glue.....	86	1,048	86	1,067
Grains <sup>10</sup> .....	22		72	735
Groceries.....	787	1,020	1,118	1,322
Gums.....			57	233
Hair, all kinds.....	20	74	32	165
Hay.....		163	14	190
Hemp, unmanufactured.....	20	13	27	1,758
Honey.....		365		443
Hops.....			175	
Horns and hoofs.....			56	21
Infusorial earth.....	38	784	41	1,186
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.).....	52,855	613	124,087	720
Ivory nuts.....			355	2,034
Jute, unmanufactured.....			79	
Lard substitute.....				38
Lime.....			48	
Liquors.....	1,247	382	2,561	399
Lumber (including manufactured mill products).....	1,503	94,095	1,971	221,699
Machinery.....	1,667	1,436	15,808	1,809
Malt.....			699	
Manufactured goods <sup>10</sup> .....	4,048	1,143	10,426	4,660
Marble and granite.....			401	
Matches.....	89	16	222	88
Metals:				
Antimony.....			52	
Copper.....	440	3,576	9,398	33,070
Gold and silver.....				31
Iron.....	1,425	85	19,888	85
Lead.....	327	1,004	411	10,908
Tin.....	36	160	1,542	1,609
Zinc.....	317		730	8,608
Other and unclassified.....	254	322	2,919	3,355
Milk, powdered.....	18	726	45	1,028
Molasses and syrups.....	370		545	1,177
Nitrate.....			4,684	173,643
Nuts, edible (including meats).....		391	43	437
Oats.....	70	332	70	6,245
Oils, mineral:				
Crude.....			13,677	94,014
Gas and fuel.....	22	19,382	19,328	19,382
Gasoline, benzine, and naphtha.....	25	29,696	12,377	44,087
Kerosene.....		9,159	2,001	30,717
Lubricating and greases.....	7,932	278	21,186	627
Other and unclassified.....	14		14	
Oils, vegetable:				
Coconut.....		446	70	9,194
Cottonseed.....	39		39	2
Linseed.....			80	
Olive.....			227	
Wood.....		498		1,180
Other and unclassified.....	206	170	464	4,721
Oil, fish.....	12		102	3,064
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.).....		43	2,619	259
Oilseed cake and meal.....	846	76	896	5,774
Ores:				
Antimony.....				274
Chrome.....	122		122	16,677
Copper.....				2,815
Iron.....			1,937	151,450
Lead.....				4,381
Magnesite.....		125		425
Manganese.....		45		3,196
Tin.....				3,005
Zinc.....			450	12,152
Other and unclassified.....	28		777	1,728
Paints and varnishes.....	922	154	2,257	369
Paper and paper products <sup>10</sup> .....	5,914	4,630	23,261	11,057
Peanuts.....	868	110	868	166
Peas, dry.....				269
Peatmoss.....	202		1,243	
Phosphates.....	1,638	9	3,792	9
Plaster.....			55	
Porcelainware.....	155	154	941	5,927
Potash.....	104	4,359	6,335	5,877
Pyrethrum flowers.....				866
Rags and waste.....	41	121	474	895

<sup>10</sup> Except as otherwise classified.



Commodity	United States intercoastal		Total for all trade routes, including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Railroad material.....	7,812		28,365	416
Rice.....	812	158	1,008	1,225
Rope and twine.....	132		189	
Rosin.....	421		2,048	
Rubber:				
Manufactured.....	598	394	895	459
Raw.....		51	11	6,339
Scrap.....		95	121	160
Salt.....	136		3,314	
Sand.....	549		10,817	
Scrap metal.....		130	8,987	3,848
Seeds (except oilseeds).....	21	235	426	994
Sewer pipe (concrete and terra-cotta).....	140		140	
Shells, oyster.....	504	72	504	470
Silk, raw.....		375	67	1,857
Skins and hides.....		3,183	1,016	5,049
Slag.....			10,883	
Slate.....	53		71	
Soaps and products.....	1,554	48	1,582	137
Soda and sodium compounds:				
Soda ash.....	448		533	370
Soda, caustic.....	206		288	
Miscellaneous and unclassified.....	261	260	729	382
Soy beans.....	194		194	16,218
Sugar.....		16,032	14,971	81,620
Sulphur.....	7,694		10,396	1,000
Talc.....		108	27	767
Tallow.....		80	6	1,535
Tea.....	33	244	101	1,489
Textiles <sup>11</sup> .....	2,399	302	5,059	7,652
Tinplate.....	1,903	53	14,873	53
Tobacco and manufactures.....	93	36	2,191	280
Toilet preparations.....	45		79	
Turpentine.....	51		707	
Vegetables, dry <sup>10</sup> .....			18	178
Wallboard.....	19	12	205	183
Wax, paraffin.....	25	18	530	60
Wheat.....		262	29	92,137
Wines.....	200	1,195	745	2,420
Wood pulp.....	86	21,595	7,370	31,712
Wool.....	85	609	98	8,218
Total, January 1938.....	153,050	321,302	608,175	1,492,227
Total, January 1937.....		69,710	508,209	1,347,728
Total, January 1936.....	189,194	403,675	643,723	1,505,212

<sup>10</sup> Except as otherwise classified.<sup>11</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade route, the tanker traffic through the Canal during the month of January 1938:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	6	37,133	2,575	6	31,981	58,237
East coast United States and:						
South America.....	2	8,078	726			
Balboa.....	1	5,025	9,460			
Far East.....	1	6,955	13,677			
East coast Canada and South America.....	1	4,455				
West Indies and:						
United States.....	3	18,364		1	4,791	8,882
South America.....	2	10,706	21,167	1	6,465	13,235
Europe and:						
United States.....	2	12,266		3	20,202	37,955
South America.....	4	20,863		6	34,921	69,849
Total.....	22	123,845	47,605	17	98,360	188,158

**Comparison of Canal Traffic in January 1938, with January Traffic in Previous Years**

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of January			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1915.....	12 96	(000 omitted) 337	(000 omitted) 426	1915.....	13 100	(000 omitted) 361	(000 omitted) 466
1916.....	14 1	1	1	1916.....	60	199	258
1917.....	164	539	640	1917.....	145	483	588
1918.....	149	495	553	1918.....	165	547	627
1919.....	163	499	530	1919.....	162	510	576
1920.....	254	927	924	1920.....	199	712	781
1921.....	273	1,094	1,177	1921.....	232	950	966
1922.....	202	846	807	1922.....	222	951	907
1923.....	345	1,610	1,592	1923.....	325	1,550	1,631
1924.....	471	2,400	2,427	1924.....	429	2,179	2,249
1925.....	395	1,959	1,907	1925.....	382	1,904	1,996
1926.....	473	2,300	2,346	1926.....	424	2,064	2,169
1927.....	428	2,121	2,240	1927.....	441	2,184	2,311
1928.....	525	2,421	2,371	1928.....	521	2,453	2,468
1929.....	597	2,770	2,855	1929.....	524	2,485	2,554
1930.....	523	2,601	2,611	1930.....	502	2,497	2,502
1931.....	465	2,379	2,106	1931.....	447	2,314	2,089
1932.....	371	2,022	1,594	1932.....	364	1,968	1,650
1933.....	378	2,067	1,462	1933.....	347	1,900	1,513
1934.....	479	2,581	2,086	1934.....	436	2,379	2,059
1935.....	425	2,294	1,945	1935.....	432	2,317	2,109
1936.....	472	2,411	2,149	1936.....	449	2,335	2,209
1937.....	399	1,916	1,856	1937.....	467	2,404	2,507
1938.....	444	2,219	2,095	(1 <sup>2</sup> ).....	455	2,343	2,344

<sup>12</sup> Canal opened August 15, 1914. <sup>13</sup> Average for 10½ months of fiscal year ended June 30, 1915. <sup>14</sup> Canal closed part of month due to slides. <sup>15</sup> Average for first 7 months of fiscal year 1938.

**Terminal Activities**

Ships which completed repairs during the month of January 1938, numbered 75. Vessels released from drydock numbered 13. Fuel oil in the quantity of 203,620 barrels was delivered as bunkers to 128 commercial ships. Bunker coal amounting to 6,510 tons was delivered to 26 commercial ships. Sales of commissary supplies to ships aggregated \$37,155.66.

**Cargo Handled at Terminal Ports, January 1938**

	Cristobal	Balboa	Total
Local cargo arriving..... tons..	21,086	12,742	33,828
Local cargo shipped..... tons..	1,677	407	2,084
Cargo received for transshipment..... tons..	46,200	201	46,401
Cargo transhipped..... tons..	43,508	368	43,876
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	4	1	5
Number of releases issued.....	33	12	45
Tons received.....	3	4	7
Tons withdrawn.....	13	10	23

**All Vessels Entering and Clearing Port, January 1938**

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal..	515	3,122,317	1,862,365	493	2,730,637	1,651,518
Vessels entering port but not transiting Canal..	53	409,969	236,490	10	23,214	14,520
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	126	764,372	456,016	94	598,924	348,682
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	511	3,106,532	1,854,760	487	2,718,997	1,643,337
Vessels clearing port but not transiting Canal..	51	403,783	231,199	11	24,598	15,873
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	123	753,716	448,770	94	598,924	348,682

**Cargo Discharged and Laden at Terminal Ports**

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight January 10, 1938, to midnight February 10, 1938. Figures after names of vessels show, respectively, tons discharged and tons laden:

**CRISTOBAL**

Acajutla, 0, 1,065	Santa Inez, 74, 1 pkg.	Fella, 51½, 0	San Gabriel, 402, 0	Santa Marta, 743, 214
Durazzo, 0, 270	San Antonio, 32, 33	Clio, 322, 56	Alkmaar, 28, 32	Santa Inez, 475, 206
San Marcos, 0, 1	Cuba, 10, 1,528	San Rafael, 131, 0	Istmo, 736, 0	Chiriqui, 146, 256
San Jose, 0, 210	Fortuna, 0, 53	Rhakotis, 47, 275	Balboa, 74, 0	Istmo, 0, 125
Caribia, 0, 21	Louisianan, 144, 208	Nansenville, 434, 91	Pereira, 0, 817	Colombia, 153, 1,717
Cho, 0, 150	Wichita, 303, 0	Daytonian, 183, 0	De La Salle, 0, 1,381	Loriga, 3, 83
Santa Maria, 126, 70	Istmo, 737, 174	Benj. Franklin, 21, 297	Trois Ilets, 0, 82	Oakland, 146, 96
Ruth Lykes, 325, 166	Cefalu, 305, 239	Istmo, 736, 216	Durazzo, 0, 455	Amasis, 79, 297
CommissaireRamel,0,2	Elbe, 388, 594	Santa Clara, 385, 0	Oropesa, 0, 1	Ino, 605, 70
Altair, 62, 134	Salvador, 595, 485	California, 215, 0	San Gabriel, 0, 23	Northmoor, 0, 113
Contessa, 249, 355	West Cactus, 3, 224	Tacoma, 56, 146	Naumburg, 51, 0	Gansford, 0, 234
Nuevo Panama, 0, 287	Caribia, 77, 151	Contessa, 199, 330	Nuevo Panama, 0, 96	Marchen Maersk, 491, 0
Mayan, 314, 1,164	Keiyo Maru, 481, 0	Antiochia, 23, 800	Cefalu, 422, 558	Santa Rita, 100, 6 pkgs.
Losada, 5, 117	Vermont, 752, 0	La Plata, Maru, 0, 333	Wisconsin, 231, 352	Cordillera, 90, 30
Tribesman, 216, 48	Ancon, 4,216, 731	Ciss, 0, 262	Lochgoid, 419, 138	Roda, 132, 0
Osnabruck, 75, 140	Santa Lucia, 250, 132	Newsome, 233, 0	Santa Barbara, 488, 12	Colombia, 0, 611
Allister, 404, 44	Kansai Maru, 993, 101	Santa Maria, 282, 145	Acajutla, 590, 442	Trois Ilets, 288, 0
Buenaventura, 1,343, 482	Bodegraven, 231, 826	Dresden, 42, 142	Kano Maru, 109, 0	Mayan, 843, 0
Katsuragi Maru, 407, 0	Frria, 83, 0	Colombia, 81, 20	Tuscaloosa City, 274, 0	Pennsylvania, 147, 0
Santa Rita, 420, 225	Karnaik, 4 pkgs., 0	Guayaquil, 1,579, 1,252	Phrygia, 11, 348½	New Orleans, 288, 0
Tolosa, 628, 744	Irona, 908, 1	Ulua, 522, 557	Cristobal, 2,494, 1,132	San Felipe, 18, 0
Canadian, 135, 829	Canadian Challenger, 392, 0	Arizona, 228, 429	Trontolite, 2, 0	Custodian, 182, 49
Este, 178, 340½	Sixaola, 488, 180	Nero, 621, 36	Nuernberg, 251, 343	R. L. Hustler, 1½, 0
Nero, 160, 171	Manizales, 1,194, 387	Pereira, 841, 0	Nero, 600, 99	San Francisco, 88, 679
San Benito, 714, 10	Axel Johnson, 10, 123	Darien, 448, 159	Valparaiso, 260, 561	Frankfurt, 48, 111
Cerigo, 791, 255	Antigua, 92, 86	Orazio, 88, 1	Balboa, 0, 162	Contessa, 174, 632
Pasajero, 32, 33	Virgilio, 14, 105½	Ville d'Amiens, 0, 66	Lautaro, 1, 0	Helder, 139, 362
Ino, 201, 326	Haiti, 229, 1,719	Jamaica, 186, 1,271	Armadae, 11, 0	Ciss, 982, 0
Quirigua, 232, 68	Crynsen, 8, 1,052	Veragua, 179, 42	Milwaukee, 8, 0	Lochmonar, 340, 31
Santa Elena, 511, 0	Trois Ilets, 381, 0	Skjelbred, 749, 0	Palatia, 119, 292	Muenchen, 34, 74
Cuba, 119, 0	Nuevo Panama, 0, 266	Alabama, 821, 0	Altair, 431, 0	City of Rayville, 763, 0
Colombia, 224, 1,301	Lochkatrine, 132, 94	De La Salle, 191, 0	Nankai Maru, 388, 90	Portland, 20, 858
Trois Ilets, 350, 105	Newsome, 2, 308	Trois Ilets, 331, 0	Dinteldijk, 257, 201	Santa Clara, 90, 1
Yamabiko Maru, 352, 0	Tricolor, 128, 0	Durazzo, 1,219, 0	San Blas, 497, 0	Buenaventura, 1,573, 0
Crynsen, 127, 0	Margaret Lykes, 241, 51	Washington, 69, 628	Cerigo, 1,275, 348	Weser, 223, 76
		Oropesa, 40, 0	Midas, 0, 871	Damsterdijk, 155, 0

**BALBOA**

Sta. Maria (Gr.), 20, 0	Pennsylvania, 4, 95	Santa Lucia, 163, 0	Virginia, 30, 112	Oakland, 157, 50
Santa Maria (Union), 11,703, 0	Santa Rita, 101, 0	Ludington, 803, 0	Washington Express, 0, 4	Pennsylvania, 250, 0
Deroche, 3,643, 0	Este, 177, 0	Loickatrine, 0, 71	Pereira, 0, 34	Mayan, 5, 0
Osnabruck, 178, 0	Mayan, 0, 7	St. Mihiel, 367, 104	Bokuyo Maru, 18, 4	Telde, 0, 2
Altair, 331, 0	Cerigo, 0, 1	California, 183, 0	Talaralite, 1,538, 0	Mahana, 5, 0
Pres. Monroe, 15, 0	Salvador, 1, 0	Santa Clara, 3, 0	Santa Inez, 121, 0	Lappland, 158, 0
Oliver Olson, 3,586, 0	Louisianan, 12, 0	Arawa, 41, 0	Rangtama, 165, 0	Portland, 16, 0
Republic, 1,150, 46	Wichita, 123, 0	Santa Maria (Grace), 164, 3	Dinteldijk, 0, 73	Vinland, 10, 0
Geisha, 1,686, 0	Chateau Thierry, 1, 58		Marchen Maersk, 124, 0	
	Henderson, 1, 0			

NOTE.—Figures shown represent short tons of 2,000 pounds.

**Passengers**

Ocean ship passengers disembarking at Cristobal during January 1938, numbered 2,697; embarking, 1,462; at Balboa, 810 disembarking and 813 embarking. Passengers passing through the Canal from the Atlantic to Pacific numbered 4,323; from the Pacific to Atlantic, 3,751. Aircraft numbering 49 entered Cristobal, and 205 passengers disembarked; clearances were 48, with 257 passengers embarking; at Balboa, entries of aircraft were 56, with 134 passengers disembarking; clearances, 56, with 99 passengers embarking.

**Comparison of Traffic at the Suez and Panama Canals for the Twelve Months of the Calendar Years 1936 and 1937**

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1936	1937	Increase	Decrease	1936	1937	Increase	Decrease
January	533	575	7.9		472	399		15.5
February	471	524	11.3		452	377		16.6
March	548	580	5.8		526	536	1.9	
April	490	621	26.7		482	473		1.9
May	484	567	17.2		488	544	11.5	
June	426	540	26.8		481	472		1.9
July	466	551	18.2		456	457	0.2	
August	471	532	13.0		473	505	6.8	
September	479	522	9.0		466	444		4.7
October	490	557	13.7		482	461		4.4
November	511	525	2.7		368	435	11.8	
December	508	541	6.5		341	439	28.7	
Total	5,877	6,635	12.9		5,487	5,542	1.0	

Movements of Ocean Vessels Through the Panama Canal

From midnight January 10, 1938, to midnight February 10, 1938

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Akaroa	10	11	Brit.	Shaw, Savill & Albion	London, England	Wellington, N. Z.	General	4,650
Gannet <sup>10</sup>	7	11	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Acajutla	4	11	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	1,065
San Marcos	10	11	Amer.	Quaker Line	New York, N. Y.	Seattle, Wash.	General	2,267
Mathew Luckenbach	10	11	Amer.	Luckenbach Line	New Orleans, La.	Seattle, Wash.	General	3,765
Scottish Mistrel <sup>1 2</sup>	11	11	Brit.	Standard Oil Co.	Aruba, N. W. I.	Tocopilla, Chile.	Fuel oil	9,562
Iddesleigh	10	11	Brit.	Furness, Withy & Co.	Barry, England	Vancover, B. C.	Ballast	.....
Durazzo	7	11	Ger.	Hamburg-Amer. Line	Cristobal, C. Z.	Guayaquil, Ecu.	General	245
Edwin Christenson	11	11	Amer.	Sudden & Christenson	Baltimore, Md.	Seattle, Wash.	General	2,559
Clio <sup>2</sup>	10	11	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	136
San Jose	10	11	Fr.	French Line	Havre, France	Vancover, B. C.	General	6,516
Taranger <sup>2</sup>	11	11	Nor.	Intercean S. S. Corp.	Rotterdam, Neth.	Vancover, B. C.	General	33
Neवान	11	11	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	3,284
Porto Bello <sup>3</sup>	11	11	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
President Monroe	12	12	Amer.	Dollar Line	Boston, Mass.	S. Francisco, Cal.	General	3,475
Cape York <sup>2</sup>	11	12	Brit.	Isthmian S. S. Lines	Mobile, Ala.	Dairen, China	Steel rails	8,600
Camden <sup>1</sup>	12	12	Amer.	Shell Oil Co.	Sewaren, N. J.	Los Angeles, Cal.	Ballast	.....
Steel Scientist	12	12	Amer.	Isthmian S. S. Lines	New York, N. Y.	Manila, P. I.	Steel, gen	8,217
Altair	11	12	Ger.	North German Lloyd	Hamburg, Ger.	Champ'ico, Guat.	General	2,902
Kirishima Maru <sup>2</sup>	12	12	Jap.	Kokusai Kisen Kaisha	New York, N. Y.	Kobe, Japan	Merchandise	8,147
Philante <sup>6</sup>	12	14	Brit.	T. O. M. Sopwith	S'ampton, Eng.	Galapagos Is.	Ballast	.....
Nuevo Panama <sup>2</sup>	11	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General	302
Losada <sup>2</sup>	12	12	Brit.	Pacific Steam Nav. Co.	Hull, England	Magallanes, Chile	General	4,515
Osnabrueck <sup>2</sup>	12	13	Ger.	North German Lloyd	Hamburg, Ger.	Valparaiso, Chile	General	5,128
Real <sup>2</sup>	11	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Sona <sup>2</sup>	11	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Frank <sup>2</sup>	8	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Sangstad <sup>2</sup>	13	13	Nor.	Fern Line	Galveston, Tex.	Adelaide, Aust'lia	Sulphur, etc.	6,926
Republic <sup>8</sup>	12	14	Amer.	U. S. Army	New York, N. Y.	Honolulu, T. H.	General	1,925
Horace Luckenbach	13	13	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,616
Athelking <sup>1 2</sup>	13	13	Brit.	Mitsubishi Shoji K.	Corpus Ch ti, Tex.	Japan	Crude oil	13,677
Admiral Wiley	13	13	Amer.	Bulk Carriers Corp.	New Orleans, La.	Los Angeles, Cal.	Yellow corn	4,219
Anadara <sup>1 2</sup>	13	13	Brit.	Anglo-Saxon Pet. Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	.....
Enoch <sup>3</sup>	13	13	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>	.....	25
Nathan <sup>2</sup>	13	13	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>	.....	20
W. H. Berg <sup>1</sup>	13	14	Amer.	Standard Oil of Calif.	Philadelphia, Pa.	S. Francisco, Cal.	Lub. oil	.....
Case <sup>9</sup>	14	15	Amer.	U. S. Navy	Boston, Mass.	San Diego, Calif.	Ballast	.....
Pennsylvania	14	14	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	1,921
Hegira	13	14	Amer.	Pac. Coast Dir. Line	New York, N. Y.	Seattle, Wash.	Gen., steel	3,300
Forbes Hauptman	14	14	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General	4,325
West Noska Maru	13	14	Jap.	T. Miyaji	Norfolk, Va.	Kobe, Japan	Ballast	.....
Torvanger	13	14	Nor.	Chile Nit. Sales Corp.	Hamburg, Ger.	Chile	Ballast	.....
Geisha	14	16	Nor.	Knut Knutsen, O.A.S.	Oslo, Norway	San Antonio, Chile	General	4,299
Renncliff	14	14	Nor.	Chile Nit. Sales Corp.	Mobile, Ala.	Tocopilla, Chile.	Ballast	.....
Winslow <sup>5</sup>	9	15	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow, barge	.....
M-238 <sup>5</sup>	5	15	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....
Babbitt <sup>9</sup>	3	15	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Oakmar	14	15	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen	6,714
Elmbank <sup>2</sup>	14	15	Brit.	Andrew Weir & Co.	Antwerp, Belgium	Brit. Columbia	Ballast	.....
Santa Rita <sup>2</sup>	14	15	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile.	General	1,784
Tacoma Star	15	15	Brit.	Blue Star Line	Cardiff, Wales	Vancover, B. C.	Ballast	.....
Dakota	15	15	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,332
Nicolaou Ourania	15	15	Greek	George Nicolaou	Rotterdam, Neth.	Vancover, B. C.	Ballast	.....
Canadian	14	15	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile.	General	1,880
Taybank <sup>2</sup>	15	15	Brit.	Bank Line, Ltd.	Boston, Mass.	Shanghai, China	General	4,426
Nero <sup>2</sup>	14	15	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	156
Este	14	16	Ger.	North German Lloyd	Hamburg, Ger.	Portland, Oreg.	General	3,757
Captain Harry <sup>5</sup>	4	16	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....
Anniston City	15	16	Amer.	Isthmian S. S. Lines	Portland, Me.	Seattle, Wash.	Steel, gen	4,170
Nordnes <sup>2</sup>	15	16	Nor.	Canadian Transp. Co.	Liverpool, Eng.	Los Angeles, Cal.	Ballast	.....
Pacific Ranger <sup>2</sup>	16	16	Brit.	Furness, Withy & Co.	Glasgow, Scotland	Vancover, B. C.	General	823
Sinnington Court	16	16	Brit.	Canadian Transp. Co.	Barry, England	Vancover, B. C.	Ballast	.....
Narenta	16	16	Brit.	Royal Mail Lines	S'ampton, Eng.	Seattle, Wash.	Ballast	.....
Cubore	16	16	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Sona <sup>2</sup>	15	16	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Real <sup>2</sup>	15	16	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Newton Beech	17	17	Brit.	Ridley, Son & Tully	Cardiff, Wales	Vancover, B. C.	Ballast	.....
Aldebaran <sup>6</sup>	16	17	Amer.	Francis Taylor	Jacksonville, Fla.	Galapagos Island.	Ballast	.....
Getsuyo Maru <sup>2</sup>	17	17	Jap.	Mitsui Bussan Kaisha	Baltimore, Md.	Moji, Japan	( <sup>14</sup> )	9,018
Ufington Court	17	17	Brit.	Seaboard Shipping Co.	Barry, England	Puget Sd., Wash.	Ballast	.....
Trois Ilets	15	17	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	105

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>6</sup> Yacht. <sup>8</sup> Transport. <sup>9</sup> Destroyer. <sup>10</sup> Mine sweeper. <sup>13</sup> For bananas and return to Cristobal. <sup>14</sup> Steel materials.



## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Cerigo	14	17	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecua.	General	258
Mayan	11	18	Amer.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	1,165
Navarino	17	17	Brit.	Glen & Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Komaki Maru <sup>2</sup>	17	18	Jap.	Kokusai Kisen Kaisha	Boston, Mass.	Kobe, Japan	Gen. copper	7,590
S-C No. 5 <sup>3</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Piako	17	18	Brit.	N. Z. Shipping Co.	London, England	Auckland, N. Z.	General	3,735
Anglo-Peruvian	17	18	Brit.	Anglo-Can. S. S. Co.	Barry, England	Vancouver, B. C.	Ballast	
Testbank	17	18	Brit.	Bank Line, Ltd.	Tampico, Mexico	Brisbane, Aust'lia	Asphalt	8,033
Chloe	18	18	Greek	Chile Nit. Sales Corp.	Antwerp, Belgium	Chile	Ballast	
Tropic Star <sup>2</sup>	18	18	Nor.	Chile Nit. Sales Corp.	Tampa, Fla.	Tocopilla, Chile	Ballast	
Cambridge	18	18	Brit.	Federal Steam Nav. Co.	Liverpool, Eng.	Lyttleton, N. Z.	General	8,032
President de Vogue, <sup>1</sup>	17	18	Nor.	Comp. des Prod. Et Raff. de Berre	Pt. de Boue, Fr.	Talara, Peru	Ballast	
Kansan	18	18	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,652
Willmott <sup>2</sup>	18	18	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General	1,920
Tanana	18	19	Amer.	Bulk Carriers Corp.	New Orleans, La.	Los Angeles, Cal.	Corn.	4,275
Tokai Maru <sup>2</sup>	18	18	Jap.	Osaka Shosen Kaisha.	Boston, Mass.	Yokohama, Japan	General	8,013
Louisianan	18	19	Amer.	Grace Line	Baltimore, Md.	San Antonio, Chile	(13)	2,131
Porto Bello <sup>2</sup>	18	18	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	2
Pont Estero	19	19	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	General	4,508
Lebore	19	19	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Istmo	18	19	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	215
Fortuna <sup>2</sup>	18	19	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Gasoline	46
West Cactus	19	19	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Tacoma, Wash.	General	4,574
Golden Cloud	19	19	Amer.	Matson Nav. Co.	Baltimore, Md.	Hilo, T. H.	Tinplate, gen.	2,041
Gen. Wm. M. Graham, <sup>11</sup>	11		Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Enoch <sup>3</sup>	19		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		25
Col. Riche <sup>5</sup>	20	20	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge	
Poind Judith	20	20	Amer.	Swayne & Hoyt	Houston, Tex.	Tacoma, Wash.	General	5,062
Nereus	20	20	Greek	Chile Nit. Sales Corp.	Stettin, Germany	Chile	Ballast	
Firenze <sup>6</sup>	18	22	Amer.	Col. M. R. Guggenheim	Miami, Fla.	San Diego, Calif.	Ballast	
Lancaster Castle	20	20	Brit.	Chile Nit. Sales Corp.	Delfzyl, Neth.	Taltal, Chile	Ballast	
Vermont	19	20	Amer.	Cal. Eastern S. S. Line	Albany, N. Y.	Tacoma, Wash.	General	2,267
Hoegh Silverstar <sup>2</sup>	20	21	Nor.	Silver-Java-Pac. Line.	Copenhagen, Den.	Los Angeles, Cal.	Ballast	
Nathan <sup>2</sup>	20	21	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		20
J-59 <sup>5</sup>	17		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Santa Lucia	20	21	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,676
Peter Maersk <sup>2</sup>	21	21	Dan.	Maersk Line	Boston, Mass.	Cebu, P. I.	General	6,335
African Reifer <sup>2</sup>	21	21	Dan.	J. Lauritzen	St. John, N. B.	Vancouver, B. C.	Citrus fruit	72
Erria <sup>2</sup>	21	21	Dan.	E. Nielsen	Copenhagen, Den.	Vancouver, B. C.	General	518
Col. Riche <sup>5</sup>	19		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
L. A. Christensen, <sup>2</sup>	21	22	Nor.	Chile Nit. Sales Corp.	Savannah, Ga.	Chile	Ballast	
Canadian Constructor.	22	23	Brit.	Mont.-Aust.-N.Z. Line	St. Johns, N. B.	Melbourne, Aus.	(16)	4,151
El Oso <sup>1</sup>	22	23	Brit.	C. T. Bowring & Co.	Ellesmere, Eng.	La Libertad, Ecu.	Ballast	
Ludington <sup>3</sup>	21	24	Amer.	U. S. Army	Brooklyn, N. Y.	Honolulu, T. H.	General	5,034
Bodegraven	20	22	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Valparaiso, Chile	General	2,718
Ino <sup>2</sup>	14	22	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	296
Frank <sup>3</sup>	18		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Edith <sup>6</sup>	22	23	Pan.	C. B. Fenton	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Marna	22	23	Dan.	J. Lauritzen	New York, N. Y.	Talcahuano, Chile	General	2,300
Olney <sup>1</sup>	22	23	Amer.	Penn. Shipping Co.	Ponce, P. R.	Los Angeles, Cal.	Ballast	
Edward Luckenbach.	22	23	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	5,693
Tangitiki <sup>2</sup>	23	23	Brit.	N. Z. Shipping Co.	London, England	Wellington, N. Z.	General	4,925
Trois Ilets	22	23	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	Ballast	
Gypsum Queen	23	23	Brit.	Chile Nit. Sales Corp.	Baltimore, Md.	Talcahuano, Chile	(17)	4,142
Manizales	21	23	Ger.	North German Lloyd	Cristobal, C. Z.	Guayaquil, Ecua.	General	352
Loehkatrine <sup>2</sup>	23	24	Brit.	Royal Mail Lines	London, England	Vancouver, B. C.	General	4,371
Nuevo Panama <sup>2</sup>	22	23	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R. P.	General	150
La Union <sup>2</sup>	22	23	Pan.	A. Valdes	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Clio <sup>2</sup>	23		Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Balboa, C. Z. <sup>14</sup>	Ballast	
Muncaster Castle	24	24	Brit.	Barber Line	Baltimore, Md.	Shanghai, China	General	3,127
Washington	24	24	Amer.	Weyerhaeuser S. S. Co.	New York, N. Y.	Los Angeles, Cal.	Steel, gen.	2,561
Fella <sup>2</sup>	23	24	Ital.	Italian Line	Tricste, Italy	Vancouver, B. C.	General	307
San Rafael	24	24	Amer.	Quaker Line	Philadelphia, Pa.	Tacoma, Wash.	General	1,639
Nansenville <sup>2</sup>	24	24	Neth.	Fred Olsen Line	Oslo, Norway	Vancouver, B. C.	General	5,795
Yamazato Maru <sup>2</sup>	24	24	Jap.	Yamashita K. Kaisha.	Buenos Aires, Arg.	Kobe, Japan	Hides, coffee	1,062
Marore	21	24	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Rhakotis <sup>2</sup>	24	25	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile	General	5,751
Salvador	18	25	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	485
Bonnington Court <sup>2</sup>	24	25	Brit.	Haldin & Phillips	Swansea, Wales.	Vancouver, B. C.	Ballast	
Jeff Davis <sup>2</sup>	25	25	Amer.	Amer.-Pioneer Line	Philadelphia, Pa.	Adelaide, Aust'lia	General	3,822
Trontolite <sup>1</sup>	24	25	Brit.	Imperial Oil Ship. Co.	Halifax, N. S.	Talara, Peru	Ballast	
West Camargo	25	25	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General	2,921

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>6</sup> Yacht. <sup>8</sup> Transport. <sup>11</sup> Mine planter. <sup>13</sup> For bananas and return to Cristobal. <sup>14</sup> For drydocking. <sup>15</sup> General, automobiles, etc. <sup>16</sup> Newsprint, automobiles. <sup>17</sup> Steel rails and ties.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Honolulan	25	25	Amer.	Chile Nit. Sales Corp.	Mobile, Ala.	Tocopilla, Chile.	Ballast	
Pompano <sup>7</sup>	22	25	Amer.	U. S. Navy	Cristobal, C. Z.	Puntarenas, C. R.	Ballast	
Skagerak <sup>2</sup>	25	25	Nor.	Kawasaki K. Kaisha.	New York, N. Y.	Japan	Scrap iron	7,248
Arima Maru <sup>2</sup>	25	25	Jap.	Nippon Yusen Kaisha	Bremen, Ger.	Yokohama, Japan	General	6,428
Vernon City	25	26	Brit.	Readon-Smith Line.	Mobile, Ala.	Osaka, Japan.	Pig iron	8,000
Tacoma	25	25	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B. C.	(14)	3,050
F. J. Luckenbach	25	25	Amer.	Luckenbach Line.	Mobile, Ala.	Seattle, Wash.	General	4,755
Vivi <sup>1 2</sup>	25	25	Nor.	H. D. Simonsen & Co.	Falmouth, Eng.	Los Angeles, Cal.	Ballast	
Norvik <sup>1 2</sup>	25	25	Pan.	Johan Rasmussen & Co.	Hamburg, Ger.	Los Angeles, Cal.	Ballast	
Porto Bello <sup>3</sup>	25	25	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Athlprincess <sup>1 2</sup>	25	26	Brit.	United Molasses Co.	Philadelphia, Pa.	Los Angeles, Cal.	Ballast	
Istmo	24	26	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	310
Ingersaks	26	26	Nor.	Chile Nit. Sales Corp.	Charleston, S. C.	Iquique, Chile	Ballast	
Eli <sup>2</sup>	26	26	Nor.	Anglo-Can. S. S. Co.	Antwerp, Belgium	Los Angeles, Cal.	Silver sand	6,000
La Plata Maru <sup>2</sup>	26	26	Jap.	Osaka Shosen Kaisha	Buenos Aires, Arg.	Kobe, Japan.	(16)	2,804
Fortuna <sup>3</sup>	25	26	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
San Calisto <sup>1 2</sup>	26	27	Brit.	Eagle Oil & Ship. Co.	Curacao, N. W. I.	Antofagasta, Chile	(17)	11,605
Frank <sup>3</sup>	25	26	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Enoch <sup>3</sup>	26	26	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>15</sup>	Ballast	25
Col. Riche <sup>3</sup>	21	26	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Missourian <sup>2</sup>	26	27	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	4,114
Ahto <sup>6</sup>	24	29	Eston	Charles Jenks	Miami, Fla.	Galapagos Is.	Ballast	
Chilore	27	27	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Santa Maria <sup>2</sup>	27	28	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,457
Huntress	27	27	Brit.	F. C. Hunter	Alexandria, Egypt	Iquique, Chile	Ballast	
Marian Otis Chandler	27	27	Amer.	Matson Nav. Co.	New York, N. Y.	Honolulu, T. H.	General	1,962
Breenkridge <sup>5</sup>	26	28	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Saguenay <sup>9</sup>	28	28	Brit.	Canadian Govt.	Montego Bay, Jam.	Vancouver, B. C.	Ballast	
Moveria <sup>2</sup>	27	28	Brit.	Donaldson Line.	Glasgow, Scot.	Vancouver, B. C.	General	612
K. I. Luckenbach	27	28	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,466
Virginia	28	29	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	3,374
Utahan	28	28	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Tacoma, Wash.	Pipe, gen.	2,599
Dresden <sup>2</sup>	27	28	Ger.	North German Lloyd.	Hamburg, Ger.	Corral, Chile.	General	2,630
Christiansborg	28	28	Dan.	H. H. Pike Trad. Co.	Habana, Cuba.	Guayaquil, Euca.	Sugar	4,420
Jutland	28	28	Brit.	Glen & Co.	Cardiff, Wales.	Vancouver, B. C.	Ballast	
Steel Exporter	29	29	Amer.	Isthmia S. S. Lines.	Portland, Me.	Honolulu, T. H.	(18)	7,218
Ulla Polaris <sup>6</sup>	29	30	Nor.	Raymond & Whitcomb	New York, N. Y.	Round the world.	Passengers	
Sto Maru <sup>2</sup>	29	29	Jap.	Mitsui Line	Philadelphia, Pa.	Dairen, China.	Gen., steel	8,652
Temple Bar	29	29	Brit.	Temple S. S. Co.	Cardiff, Wales.	Vancouver, B. C.	Ballast	
Mazatlan	29	30	Mex.	Maritima de Mazatlan	New York, N. Y.	Guaymas, Mex.	Ballast	
Nero <sup>2</sup>	28	29	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	33
Arizona	28	29	Fr.	French Line	Havre, France.	Valparaiso, Chile.	General	1,232
Teesbank <sup>2</sup>	29	29	Brit.	Bank Line, Ltd.	San Domingo, D.R.	Auckland, N. Z.	Sugar	7,875
Enoch <sup>3</sup>	28	28	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>15</sup>	Ballast	25
Ville d'Amiens	29	30	Fr.	Messageries Maritimes.	Marseille, France	Noumea, N. Caled.	Iron, wine.	1,182
Orazio <sup>2</sup>	29	30	Ital.	Italia S. A.	Genoa, Italy	Valparaiso, Chile.	General	574
Brandanger <sup>2</sup>	29	30	Nor.	General S. S. Corp.	Buenos Aires, Arg.	Vancouver, B. C.	General	3,214
Olio <sup>2</sup>	29	30	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Euca.	General	51
Arizoman	29	30	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,922
Ciss	26	30	Nor.	Brovig	Barranquilla, Col.	Tumaco, Colom.	General	1,722
Elin K. <sup>2</sup>	30	30	Nor.	Chile Nit. Sales Corp.	Jacksonville, Fla.	Iquique, Chile	Ballast	
Washington Express, <sup>2</sup>	30	30	Nor.	Fruit Express Line.	Glasgow, Scot.	Los Angeles, Cal.	Ballast	
Gannet <sup>10</sup>	31	31	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Thrush <sup>10</sup>	31	31	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Port Alma <sup>2</sup>	31	31	Brit.	Port Line, Ltd.	Glasgow, Scot.	Dunedin, N. Z.	General	4,361
Kimai Maru <sup>2</sup>	31	31	Jap.	Osaka Shosen Kaisha.	Boston, Mass.	Kobe, Japan.	General	6,463
Gothic Star	31	31	Brit.	Blue Star Line	Tyne, England.	Vancouver, B. C.	Ballast	
Washington <sup>2</sup>	31	31	Fr.	French Line	Havre, France.	Vancouver, B. C.	General	3,759
Enoch <sup>3</sup>	29	29	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>15</sup>	Ballast	25
San Gabriel	31	1	Amer.	Pac.-Atlantic S. S. Co.	New York, N. Y.	Tacoma, Wash.	General	2,467
Pereira	28	3	Pan.	Grace Line	Cristobal, C. Z.	Champico, Guat.	General	816
Amerikaland <sup>2</sup>	31	1	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Allende	1	1	Brit.	Sterns, Inc.	New Orleans, La.	Hongkong, China	Gasoline	6,245
Trois Ilets	30	1	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	Iron, gen.	70
Calmar	1	1	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	General	4,678
Durazzo	28	1	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Euca.	General	575
Winslow <sup>5</sup>	28	1	Amer.	U. S. Army	Cristobal, C. Z.	Ped. Miguel, C. Z.	Tow. barge.	
Porto Bello <sup>3</sup>	1	1	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Orotava	1	2	Hond.	United Fruit Co.	Baltimore, Md.	Pro. Arm'les, R. P.	Ballast	
Point Palmas	1	2	Amer.	Swayne & Hoyt	Houston, Tex.	Tacoma, Wash.	General	4,787
Panamam	2	2	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General	2,788
Fortuna <sup>3</sup>	1	2	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Nuevo Panama <sup>2</sup>	1	2	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R. P.	General	180
Musa	2	2	Pan.	United Fruit Co.	New York, N. Y.	Pto. Arm'les, R. P.	Ballast	
Prometheus <sup>2</sup>	2	2	Brit.	Alfred Holt & Co.	Philadelphia, Pa.	Hongkong, China	General	2,319

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>6</sup> Yacht. <sup>7</sup> Submarine. <sup>9</sup> Destroyer. <sup>10</sup> Mine sweeper. <sup>14</sup> Cement, iron, general. <sup>15</sup> For bananas and return to Cristobal. <sup>16</sup> Coffee, tinplate. <sup>17</sup> Gasoline, kerosene. <sup>18</sup> Steel rails, general.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Lieut. Col. H. C. Schumm. <sup>4</sup>	1		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Sona <sup>2</sup>	1		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	1		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Erie <sup>13</sup>	3		Amer.	U. S. Navy	New York, N. Y.	Balboa, C. Z.	Ballast	
Lands End <sup>6</sup>	30		Brit.	H. Jeffery	Durban, Africa	Auckland, N. Z.	Ballast	
Tainui	3	4	Brit.	Shaw, Savill & Albion	London, England	Pt. Chalmers, N.Z.	General	3,690
Tuscaloosa City	2	3	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Seattle, Wash.	General	5,146
Silveryew <sup>2</sup>	3	3	Brit.	S. & J. Thompson	Boston, Mass.	Batavia, Java	General	3,551
Hindanger <sup>2</sup>	3	3	Nor.	Intercean S. S. Corp.	Rotterdam, Neth.	Los Angeles, Cal.	General	53
Pacific Reliance <sup>2</sup>	3	3	Brit.	Furness, Withy & Co.	Glasgow, Scot.	Vancouver, B. C.	General	712
William Luckenbach	3	3	Amer.	Luckenbach Line	Providence, R. I.	Seattle, Wash.	General	3,194
Tsuyama Maru	3	4	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Dairen, China	Cotton, steel	8,857
Liberty Glo	3	4	Amer.	McCormick S. S. Co.	Norfolk, Va.	Seattle, Wash.	General	6,433
Norden <sup>2</sup>	4	4	Dan.	Kawasaki K. Kaisha.	Tampa, Fla.	Kobe, Japan	Gen., phos.	7,249
Gertrude Maersk <sup>2</sup>	4	4	Dan.	Isbrandtsen Moller Co.	Baltimore, Md.	Cebu, P. I.	General	4,054
Nojima Maru <sup>2</sup>	4	4	Jap.	Nippon Yusen Kaisha	Philadelphia, Pa.	Kobe, Japan	General	7,576
Stensby <sup>2</sup>	4	4	Dan.	Canadian Transp. Co.	Grangren th, Eng	Vancouver, B. C.	Ballast	
Cornwallis	4	4	Brit.	Chile Nit. Sales Corp.	Gulport, Miss.	Toopilla, Chile	Ballast	
Armada <sup>2</sup>	4	5	Brit.	Australia-Amer. Line	New York, N. Y.	Adelaide, Aust lia	General	3,851
Balboa <sup>2</sup>	31	4	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B. C.	General	5,877
Herman Frasch	4	4	Amer.	Union Sulphur Co.	Galveston, Tex.	Los Angeles, Cal.	Sulphur	5,495
Rolling Stone <sup>6</sup>	4		Pan.	Robert Wilcox	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
M-211 <sup>5</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Santa Inez <sup>2</sup>	4	5	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile	General	2,754
Valparaiso <sup>2</sup>	3	5	Swed.	Johnson Line	Malmo, Sweden	Valparaiso, Chile	Cement, gen.	3,601
Frida	5	5	Dan.	West Coast Line	New York, N. Y.	Talcahuano, Chile	General	1,906
Dinteldijk <sup>2</sup>	4	6	Neth.	Holland-Amer. Line	Rotterdam, Neth.	Victoria, B. C.	Gen., coke	2,561
Glasgow Maru	4	5	Jap.	Kokusai Kisen Kaisha	New York, N. Y.	Moji, Japan	Tinplate	7,715
Tolken	5	5	Swed.	Transatlantic S. S. Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Asosan Maru <sup>2</sup>	5	5	Jap.	Mitsui & Co.	Boston, Mass.	Dairen, China	(15)	6,845
Palatia <sup>2</sup>	4	5	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	La Libertad, Ecu.	General	1,463
Oregonian	4	5	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	3,316
Nyhorn <sup>2</sup>	5	5	Nor.	Knutsen Line	Norrkoping, Swed	Vancouver, B. C.	Ballast	
Nero <sup>2</sup>	3	5	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Tumaco, Colom.	General	
Istmo	31	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	260
Enoch <sup>3</sup>	4	4	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>		25
Gripsholm <sup>2</sup>	5	6	Swed.	Swed.-Amer. Line	Goth'burg, Swed.	Goth'burg, Swed.	Passengers	
Loriga <sup>2</sup>	5	6	Brit.	Pac. Steam Nav. Co.	Hull, England	Magallanes, Chile	General	1,873
Kiyokawa Maru <sup>2</sup>	5	6	Jap.	K. Line	Baltimore, Md.	Dairen, China	Gen., steel	5,574
Firmore	5	6	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Rhea <sup>1</sup>	5	6	Fr.	Cie Aux. de Nav. Co.	Dunkerque, Fr.	Talara, Peru	Ballast	
Australian Reefer <sup>2</sup>	6	6	Dan.	J. Lauritzen	Rotterdam, Neth.	Seattle, Wash.	Ballast	
Heffron	6	6	Amer.	Pac. Coast Dir. Line	New York, N. Y.	Seattle, Wash.	Steel, gen.	2,895
Amasis	5	6	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Valparaiso, Chile	General	3,009
Italy Maru	6	6	Jap.	Kawasaki Kisen Co.	Houston, Tex.	Kobe, Japan	(16)	3,464
Ino <sup>2</sup>	5	6	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	63
Calgarolite <sup>1</sup>	6	7	Brit.	Imperial Oil Co.	Halifax, N. S.	Ioco, B. C.	Ballast	
Borzestad <sup>2</sup>	6	7	Nor.	Canadian Transp. Co.	Turks Is., B.W.I.	Vancouver, B. C.	Salt	1,006
La Union <sup>2</sup>	5	7	Pan.	A. Valdes	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tivives	6	7	Amer.	United Fruit Co.	New York, N. Y.	Pto. Arm'les, R.P.	Ballast	
Temple Yard	6	7	Brit.	Canadian Transp. Co.	Antwerp, Belg.	Vancouver, B. C.	Ballast	
Minerva <sup>2</sup>	7	7	Nor.	Chile Nit. Sales Corp.	Charleston, S. C.	Toopilla, Chile	Ballast	
North Haven	7	7	Amer.	Norland Transp. Co.	Baltimore, Md.	Los Angeles, Cal.	(17)	5,614
Hoxbar <sup>1</sup>	7	7	Amer.	Petrol Corp.	Houston, Tex.	Los Angeles, Cal.	Gasoline	9,000
Caracas	6	7	Amer.	Alaska S. S. Co.	New York, N. Y.	Seattle, Wash.	Ballast	
Daldorch	7	7	Brit.	Anglo-Can. S. S. Co.	Cardiff, Wales	Vancouver, B. C.	Ballast	
Cerigo	4	7	Ger.	Hamburg-Amer. Line	Cristobal, C. Z.	Guayaquil, Ecu.	General	317
Blair Angus	7	7	Brit.	Seaboard Ship. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Acajutla	1	8	Brit.	Pac. Steam Nav. Co.	Cristobal, C. Z.	Champ'ieu, Guat.	General	441
Telde	7	8	Hond.	United Fruit Co.	Baltimore, Md.	Pto. Arm'les, R.P.	Ballast	
Mount Helikon	7	8	Greek.	Chile Nit. Sales Corp.	Alexandria, Egypt	Chile	Ballast	
Dessau	7	8	Ger.	North German Lloyd	New Orleans, La.	Sydney, Australia	General	6,590
Teneriffa <sup>2</sup>	8	8	Nor.	W. Wilhelmsen	New Orleans, La.	Yokohama, Japan	Scrap iron	8,717
Mahana	8	8	Brit.	Shaw, Savill & Albion	London, England	Napier, N. Z.	General	6,500
Gannet <sup>10</sup>	4		Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tai Yin <sup>2</sup>	8	8	Nor.	Barber Line	New York, N. Y.	Moji, Japan	Scrap, blue	5,623
Edda	8	8	Ital.	Blue Star Line	Trieste, Italy	Vancouver, B. C.	Ballast	
Dalcain	8	8	Brit.	Mitsui & Co.	Barry, England	Makatea	Ballast	
Trois Ilets	7	8	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	Ballast	
Porto Bello <sup>3</sup>	7	8	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Winslow <sup>3</sup>	5		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow, barge	
Helder	8	9	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	1,740
Florence Luckenbach	8	9	Amer.	Luckenbach Line	Houston, Tex.	San Diego, Calif.	General	4,938
Munsterland <sup>2</sup>	8	9	Ger.	Hamburg-Amer. Line	Houston, Tex.	Kobe, Japan	Cotton, zinc	6,022
Indianan	9	9	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Seattle, Wash.	General	2,586

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>6</sup> Yacht. <sup>10</sup> Mine sweeper. <sup>13</sup> Gunboat.  
<sup>14</sup> For bananas and return to Cristobal. <sup>15</sup> Steel, gasoline, etc. <sup>16</sup> Cotton, carbon black. <sup>17</sup> Tin, cardboard, etc.



ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
San Francisco	8	9	Fr	French Line	Havre, France	Vancouver, B. C.	General	2,074
Munchen <sup>2</sup>	9	9	Ger	North German Lloyd	Hamburg, Ger.	Corral, Chile	General	3,000
Temple Mead	9	10	Brit	Anglo-Can. S. S. Co.	S. Shields, Eng.	Vancouver, B. C.	Ballast	
Real <sup>2</sup>	8	9	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Panama, R. P.	Ballast	
Tuira <sup>2</sup>	8	9	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Panama, R. P.	Ballast	
Sona <sup>2</sup>	8	9	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Panama, R. P.	Ballast	
Portland <sup>2</sup>	9	11	Ger	Hamburg-Amer. Line	Hamburg, Ger.	Vancouver, B. C.	General	1,296
City of Delhi	10	10	Brit	Ellerman & Bucknall	St. John, N. B.	Adelaide, Aust'lia	General	5,646
Vibran <sup>2</sup>	10	10	Nor	Knutsen Line	Cardiff, Wales	Seattle, Wash.	Ballast	
Damsterdijk <sup>2</sup>	10	10	Neth	Holland-Amer. Line	Rotterdam, Neth.	Portland, Ore.	General	2,566
Sambu <sup>2</sup>	9		Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Gatun, C. Z. <sup>15</sup>		
M-101 <sup>5</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	

PACIFIC TO ATLANTIC

Vega	9	12	Amer.	U. S. Navy	San Diego, Calif.	Norfolk, Va.	General	1,626
Mayan	11	17	Amer.	Grace Line	Champlco, Guat.	Cristobal, C. Z.	General	321
Patria	10	12	Cuban	Cuban Government	B'ventura, Col.	Habana, Cuba.		
Nuevo Panama <sup>2</sup>	11	12	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	82
Commissaire Rame- mel	11	12	Fr	Messageries Mariti'es	Noumea, N. Caled	Marseilles, Fr.	General	5,320
Gaelic Star	10	11	Brit.	Blue Star Line	N. West'm'er, B.C.	Newcastle, Eng.	C. S. & gen.	5,565
Santa Maria <sup>2</sup>	11	11	Amer.	Grace Line	Valparaiso, Chile	New York, N. Y.	General	5,046
Aungvald	11	12	Nor	Continental Grain Co.	Dairen, China	Cobb, Ireland <sup>16</sup>	Soy beans	7,560
Limon	11	11	Amer.	United Fruit Co.	Pto. Arm'les, R.P.	Boston, Mass.	Bananas	943
S-47 <sup>7</sup>	11		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
S-44 <sup>7</sup>	11		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Real <sup>2</sup>	11	12	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	36
General W. M. Graham <sup>11</sup>	11	19	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Sona <sup>2</sup>	11	12	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	20
Chesapeake <sup>1</sup>	12	12	Brit.	Anglo-Amer. Oil Co.	Talara, Peru.	Aruba, N. W. I.	(17)	13,235
Leo Dawson	11	12	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>18</sup>	Nit., potash	6,867
President Herrens- schmidt <sup>1, 2</sup>	12	12	Nor.	Soccomar, Paris	Talara, Peru	Antwerp, Belgium	Crude oil	13,135
California Stand- ard <sup>1</sup>	12	12	Pan.	Standard Oil of Calif.	Estero Bay, Calif.	Havre, France	Crude oil	15,770
Chattanooga City	12	12	Amer.	Isthmian S. S. Lines	Portland, Ore.	Liverpool, Eng.	General	7,209
Clearpool	12	12	Brit.	Empire Shipping Co.	Vancouver, B. C.	Hull, England	Wheat	8,500
Deroche <sup>1</sup>	11	13	Amer.	Union Oil of Calif.	Los Angeles, Cal.	Paulsboro, N. J.	(18)	7,613
Washingtonian	13	13	Amer.	Amer.-Hawaiian Line	Portland, Ore.	Baltimore, Md.	General	9,876
Gannet <sup>1</sup>	13		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Californian <sup>2</sup>	13	13	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	General	9,233
Steel Age	13	13	Amer.	Isthmian S. S. Lines	Port Allen, T. H.	Baltimore, Md.	(19)	4,704
El Ciervo <sup>1</sup>	13	13	Brit.	Cosum. de Petrol, Fr.	Cabo Blanco, Peru	Donges, France	Crude oil	7,859
Thorsholm <sup>1, 2</sup>	13	14	Nor	Anglo-Saxon, London	Los Angeles, Cal.	Lands End <sup>18</sup>	Kerosene	13,790
S-46 <sup>7</sup>	13		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
S-42 <sup>7</sup>	13		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Oklahoman	13	13	Amer.	Amer.-Hawaiian Line	Tocopilla, Chile.	Savannah, Ga.	Nitrate	8,291
Laueh	13		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Amerikaland <sup>2</sup>	13	14	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,650
Katsuragi Maru <sup>2</sup>	14	14	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	Baltimore, Md.	Sugar, gen.	6,306
Hadleigh	14	14	Brit.	Seaboard Shipping Co.	Pt. Alberti, B. C.	London, England	Wheat, lum.	9,300
Nero <sup>2</sup>	14	15	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee, hides	146
Ino <sup>2</sup>	14	12	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	183
Elin K. <sup>2</sup>	14	14	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Wilmington, N.C.	Nit. of soda	8,324
Cerigo	14	17	Ger.	Hamburg-Amer. Line	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	720
Bushnell <sup>13</sup>	15		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Laila	14	15	Dan.	West Coast Line	Iquique, Chile	New York, N. Y.	Nit., beans	2,600
Point Aneha	15	15	Amer.	Swayne & Hoyt	Portland, Ore.	Mobile, Ala.	General	4,719
Santa Elena	15	15	Amer.	Grace Line	S. Francisco, Cal.	New York, N. Y.	General	4,232
Moorby	15	15	Brit.	Anglo-Can. S. S. Co.	Pr. Rupert, B. C.	Falmouth, Eng. <sup>16</sup>	Wheat	8,380
Chile <sup>2</sup>	15	15	Swed.	Johnson Line	Valparaiso, Chile	Stockholm, Swed.	Nitrate, gen.	5,970
La Paz <sup>2</sup>	15	15	Brit.	Pacific Steam Nav. Co.	Valparaiso, Chile	Hull, England	Nitrate	8,315
Dallington Court	15	15	Brit.	Anglo-Can. S. S. Co.	Seattle, Wash.	London, England	Wheat, lum.	10,000
Trois Ilets	15	17	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.		317
Jonna	15	15	Dan.	J. Lauritzen	N. West'm'er, B.C.	Liverpool, Eng.	Fresh fruit	1,200
Trekieve	15	15	Brit.	Chile Nit. Sales Corp.	Iquique, Chile	Azores <sup>18</sup>	Nitrate	7,535
Sona <sup>2</sup>	15	16	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Porto Bello <sup>2</sup>	15	18	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(20)	9
Real <sup>2</sup>	15	16	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Soly <sup>2</sup>	15	15	Nor.	Continental Grain Co.	Stockton, Calif.	Hull, England	Barley, wheat	7,925
King Robert	15	16	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	London, England	General	8,214
Cucuta <sup>14</sup>	5	16	Colom.	Colombian Govt.	Balboa, C. Z.	Cartagena, Colom		
Northleigh	15	18	Brit.	Anglo-Can. S. S. Co.	N. West'm'er, B.C.	London, England	Lumber, gen.	9,625

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>7</sup> Submarine. <sup>11</sup> Mine planter. <sup>13</sup> Submarine tender. <sup>14</sup> Training ship. <sup>15</sup> For bananas and return to Cristobal. <sup>16</sup> For orders. <sup>17</sup> Gasoline, kerosene. <sup>18</sup> Gasoline, solvent. <sup>19</sup> Canned pineapples, canec. <sup>20</sup> Plantains, lumber.



## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Massmar	15	16	Amer.	Calmar Line	Seattle, Wash.	Baltimore, Md.	(16)	6,020
Baldbutte	16	16	Amer.	Shell Oil Co.	Los Angeles, Cal.	Habana, Cuba	Gasoline	8,852
Selma City	16	16	Amer.	Isthmian S. S. Lines	Pt. Angeles, Wash.	Baltimore, Md.	Lumber, gen.	7,788
Paul Luckenbach	16	16	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Gen., lumber	8,875
Rabaul	16	16	Brit.	W. R. Carpenter & Co.	Rabaul, N. Guinea	London, England	(17)	8,569
Yamabiko Maru	16	17	Jap.	Yamashita Kisen K.	Osaka, Japan	Buenos Aires, Arg.	Oil cake, gen.	6,268
Cornwallis	16	17	Brit.	Chile Nit. Sales Corp.	Iquique, Chile	New Orleans, La.	Nit., potash	8,000
Merope	16	17	Fr.	Raffineries de Berre	Talara, Peru	Pt. de Boue, Fr.	Crude oil	10,182
San Antonio	16	17	Fr.	French Line	S. Francisco, Cal.	Rotterdam, Neth.	General	7,063
Santa Inez	17	17	Amer.	Graec Line	Chanaral, Chile	New York, N. Y.	General	3,622
Iowan	17	17	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	General	6,828
Miss C. B.	16	18	Brit.	Sanabris Mines	Tumaco, Colom.	Tampa, Fla.	Lumber	4
Brynmor	17	17	Brit.	Ambrose, Davies & Matthews	S. Francisco, Cal.	Loureaux Marques, E. Africa	Lumber	8,000
Firmore	18	18	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,500
Napier Star	18	18	Brit.	Blue Star Line	Pt. Chalmers, N.Z.	London, England	Frozen, gen.	7,878
Fortuna	18	19	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Colon, R. P.	Bananas	70
Istmo	18	19	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	(18)	654
Elbe	18	19	Ger.	North German Lloyd	Vancouver, B. C.	Bremen, Ger.	General	6,998
Salvador	15	25	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	Coife, gen.	594
Wichita	18	19	Amer.	Roosevelt S. S. Co.	Saigon, China	Philadelphia, Pa.	Ore, general	7,656
Frank	18	22	Pan.	E. J. Hooper	Darien, R. P.	Cristobal, C. Z.	Bananas	30
Minerva	18	19	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile	Brunswick, Ga.	Nit. of soda	9,420
San Pablo	15	19	Amer.	U. S. A. Engineers	S. Francisco, Cal.	Jacksonville, Fla.		
Keiyo Maru	19	19	Jap.	Nippon Yusen Kaisha	Hilo, P. I.	Baltimore, Md.	Sugar, gen.	4,250
Port Hunter	19	19	Brit.	Port Line	Napier, N. Z.	London, England	Frozen, gen.	7,623
Europa	19	19	Dan.	East Asiatic Co.	Vancouver, B. C.	Hull, England	(19)	9,394
Winslow	19	19	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow, barge	
Dorothy Luckenbach	19	20	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Gen., lumber	9,765
Pomona	20	20	Amer.	Weyerhaeuser S. S. Co.	Portland, Oreg.	Norfolk, Va.	General	9,889
Kansai Maru	20	21	Jap.	Osaka Shosen Kaisha	Keelung Japan	Baltimore, Md.	General	3,141
Anglo Canadian	20	20	Brit.	Trinder Anderson	Sydney, Aust. H.	Marseilles, Fr.	Ore, copra	8,800
Chateau Thierry	19	20	Amer.	U. S. Army	Honolulu, T. H.	New York, N. Y.	General	626
Tongariro	20	21	Brit.	N. Z. Shipping Co.	Pt. Chalmers, N.Z.	Hamburg, Ger.	Frozen, gen.	6,174
Olympia Maru	20	21	Jap.	Mitsubishi Trad. Co.	Dairen, China	Lands End	Soy beans	8,553
Brimanger	20	21	Nor.	Interocean S. S. Co.	Vancouver, B. C.	Rotterdam, Neth.	General	7,289
Geddington Court	20	21	Brit.	Canadian Transp. Co.	Vancouver, B. C.	London, England	(20)	9,653
Corrientes	20	21	Brit.	Donaldson Line	Vancouver, B. C.	Glasgow, Scot.	Fruit, gen.	5,606
Henderson	20	24	Amer.	U. S. Navy	S. Francisco, Cal.	Norfolk, Va.	General	302
Canadian Challenger	20	22	Brit.	M. A. N. Z. Line	Sydney, N. S. W.	Halifax, N. S.	Sugar, logs	4,690
Edgar F. Luckenbach	21	21	Amer.	Luckenbach-Gulf Co.	Portland, Oreg.	Mobile, Ala.	General	5,284
San Clemente	21	21	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,047
Manizales	21	23	Ger.	North German Lloyd	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	1,049
Karnak	21	21	Ger.	Hamburg-Amer. Line	Corral, Chile	Hamburg, Ger.	General	8,076
Pennsylvanian	21	21	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	Lumber, gen.	6,702
Virgilio	21	22	Ital.	Societa Italiana	Valparaiso, Chile	Genoa, Italy	General	2,530
Nuevo Panama	22	23	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	99
Pompano	19	19	Amer.	U. S. Navy	Mare Island, Cal.	Coco Solo, C. Z.		
Trois Ilets	21	23	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	345
King Edgar	21	22	Brit.	Canadian Transp. Co.	N. Westm'er, B.C.	Immingham, Eng.	Lumber	7,625
Axel Johnson	22	23	Swed.	Red. A/B Nordstjernan	N. Westm'er, B.C.	Stockholm, Swed.	(21)	5,479
Scottsburg	22	22	Amer.	Lykes Bros.-Ripley	Kobe, Japan	New Orleans, La.	Sugar, copra	8,945
Porto Bello	22	25	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(22)	12
Lt. Col. H. C. Schumm	22	22	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
La Union	22	23	Pan.	A. A. Valdes	Bayano, R. P.	Cristobal, C. Z.	Bananas	40
Tricolor	22	24	Nor.	Barber Line	Lalawigan, P. I.	New York, N. Y.	General	8,159
Clio	23	24	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, hides	293
Sea Thrush	23	23	Amer.	Shepard S. S. Co.	Pt. Angeles, Wash.	Boston, Mass.	Lumber, gen.	7,278
Houston City	23	23	Brit.	States Marine Corp.	Portland, Oreg.	Liverpool, Eng.	Wheat, cotton	7,287
Salawati	23	23	Neth.	Silver Java Pac. Line	Calcutta, India	New Orleans, La.	(23)	6,706
Beldaguy	23	23	Nor.	Chile Nit. Sales Corp.	Iquique, Chile	Azores	Nitrate	6,510
Asaka Maru	23	23	Jap.	Nippon Yusen Kaisha	Nagasaki, Japan	Hamburg, Ger.	(24)	5,917
Nitro	10	10	Amer.	U. S. Navy	Balboa, C. Z.	Norfolk, Va.		
Nestos	23	24	Greek	Ventas de Saletre	Antofagasta, Chile	Azores	Nitrate	8,500
Paula	23	24	Dan.	West Coast Line	San Antonio, Chile	New York, N. Y.	Nitrate	2,420
Mobilgas	24	24	Amer.	Socoy Van. Oil Co.	Los Angeles, Cal.	Providence, R. I.	Gasoline	14,669
Justitia	24	24	Brit.	Andrew Weir & Co.	Suva, Fiji Islands	Falmouth	(25)	8,327
Benjamin Franklin	24	25	Nor.	Fred Olsen & Co.	Vancouver, B. C.	Oslo, Norway	(25)	7,776
Istmo	24	26	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	(26)	668
St. Mihiel	23	26	Amer.	U. S. Army	S. Francisco, Cal.	Brooklyn, N. Y.	Army stores	207
California	24	25	Amer.	United States Lines	S. Francisco, Cal.	New York, N. Y.	General	6,635

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Tug. <sup>4</sup> Launch. <sup>5</sup> Submarine. <sup>6</sup> Transport. <sup>7</sup> Dredge. <sup>8</sup> Auxiliary. <sup>9</sup> For orders. <sup>10</sup> Lumber, copper slabs. <sup>11</sup> Ore, copper, wool. <sup>12</sup> Coffee, empty drums. <sup>13</sup> Lumber, barley, general. <sup>14</sup> Wood, pulp, wheat. <sup>15</sup> Fruit, coffee, general. <sup>16</sup> Plantains, logs. <sup>17</sup> Lumber, machinery. <sup>18</sup> Canned goods, general. <sup>19</sup> Fruit, wheat, general. <sup>20</sup> Coffee, empty bottles.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Arawa	24	25	Brit.	Shaw, Savill & Albion	Auckland, N. Z.	London, England	Frozen, gen.	5,467
Pacific Grove 2	25	25	Brit.	Furness, Withy & Co.	Victoria, B. C.	Glasgow, Scot.	General	8,584
Ronda 2	25	25	Nor.	Mitsui Bussan Kaisha	Hoilo, P. I.	New York, N. Y.	General	5,247
Theofano Livanos	25	25	Greek.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores 13	Nitrate	8,575
Fortuna 2	25	26	Pan.	Elliot Ship. & Land Co.	Real, R. P.	Colon, R. P.	Bananas	8,45
Empire Star 2	25	25	Brit.	Blue Star Line	N. Plymouth, N. Z.	London, England	Frozen, gen.	8,624
Santa Clara	24	25	Amer.	Grace Line	SanAntonio, Chile	New York, N. Y.	(14)	5,271
Puerto Rican	24	25	Amer.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Savannah, Ga.	Nitrate	9,165
Herman F. Whiton	25	25	Amer.	Dutton Lumber Corp.	Everett, Wash.	New York, N. Y.	Lumber	7,150
Redsea	25	26	Brit.	Anglo-Can. Trad. Co.	Vancouver, B. C.	London, England	Pulp, lumber	8,700
Frank 2	25	26	Pan.	E. J. Hooper	Darien, R. P.	Cristobal, C. Z.	Bananas	34
President de Vogue. 1 2	25	26	Nor.	Raffineries de Berre.	Talara, Peru	Pt. de Bouc, Fr.	Crude oil	13,600
West Cape	25	26	Amer.	McCormick S. S. Co.	Townsend, Wash.	Philadelphia, Pa.	Lumber, gen.	7,992
Olaf Bergh	26	27	Nor.	Continental Grain Co.	Pr. Rupert, B. C.	Cobb, Ireland 13	Wheat	8,200
Winslow 5	26	1	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow. barge.	
Bethore	27	27	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,200
Kcisho Maru	26	27	Jap.	Showa Kaisha	Santa Nino, P. I.	New York, N. Y.	Sugar, gen.	7,927
Julia Luckenbach	27	27	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	(15)	8,236
San Bernardino	27	27	Amer.	Seaboard Ship. Co.	N. Westm'er, B. C.	N. London, Conn	Lumber	7,560
S-45 7	27	27	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Domingo de Larrinaga	27	28	Brit.	Chile Nit. Sales Corp.	Taltal, Chile	Azores 13	Nitrate	8,500
Mallard 4	28	28	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Santore	27	28	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,200
S. C. T. Dodd 1	28	28	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Providence, R. I.	Furnace oil	9,311
West Iris	28	31	Amer.	McCormick S. S. Co.	Seattle, Wash.	Buenos Aires, Arg.	Lumber, gen.	6,947
Hazelside	28	29	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Hull, England	(16)	7,136
Nero 2	28	29	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	565
Pereira	28	1	Pan.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General	792
Helga	28	29	Dan.	J. Lauritzen	Tocopilla, Chile.	New York, N. Y.	Nit., beans	2,690
Titanian	28	29	Nor.	Hilmar Reksten	Manila, P. I.	New Orleans, La.	Sugar	7,850
Ohion	28	29	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	7,517
Mexican	29	29	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	General	7,903
Dovrejell 1	28	29	Nor.	Agula Soc. Anomima	San Luis, Calif.	Trieste, Italy	(17)	8,395
Clio 2	24	30	Neth.	Royal Neth. S. S. Co.	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Frank 2	28	31	Pan.	E. J. Hooper	Darien, R. P.	Cristobal, C. Z.	Bananas	30
Porto Bello 2	29	1	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(18)	17
Port Clear	29	30	Amer.	Gulf-Pacific Line	Portland, Oreg.	Panama City, Fla.	Lumber, gen.	5,365
Durazzo	29	1	Ger.	Hamburg-Amer. Line	Guayaquil, Ecua.	Cristobal, C. Z.	General	1,108
Coloradan	29	30	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	4,650
Arizona 1	29	30	Amer.	The Texas Co.	Los Angeles, Cal.	Pt. Arthur, Tex.	Gasoline	6,362
Skjeldred 2	29	30	Nor.	Kawasaki K. Kaisha.	Osaka, Japan	Houston, Tex.	General	5,791
Alabama	30	31	Fr.	French Line	Valparaiso, Chile.	Havre, France	(19)	8,338
Greek Mariner	30	30	Greek.	A. Garson & Co.	B'ventura, Col.	Lands End 13	Scrap iron	2,823
Trois Ilets	30	1	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	300
Steeloe	30	31	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,000
Minnesota	30	31	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	5,456
Moldangr 2	31	31	Nor.	Westfal, Larsen & Co.	Vancouver, B. C.	Rotterdam, Neth.	Wheat, gen.	8,417
Alkmaar	31	31	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	10,744
Oropesa	31	1	Brit.	Pacific Steam Nav. Co.	SanAntonio, Chile	Liverpool, Eng.	General	10,022
Henry D. Whiton	31	31	Amer.	Dutton Lumber Corp.	Tacoma, Wash.	Camden, N. J.	Lumber	5,362
Istmo	31	5	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	655
Barrgrove	31	1	Brit.	Chile Nit. Sales Corp.	Antof gasta, Chile	Gibraltar 13	Nitrate	7,620
Naumburg	31	1	Ger.	Hamburg-Amer. Line	Dunedin, N. Z.	New York, N. Y.	Ironore, wool	6,823
Nuevo Panama 2	1	2	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	88
British Columbia Express 2	1	1	Nor.	Fruit Express Line	Tacoma, Wash.	Glasgow, Scot.	Fresh fruit	2,458
Wisconsin	1	2	Fr.	French Line	Vancouver, B. C.	Havre, France	General	8,000
Fortuna 2	1	2	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	71
Winona	1	1	Amer.	Weyerbaeuser S.S. Co.	S. Francisco, Cal.	Baltimore, Md.	(20)	8,181
Acajutla	1	8	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	General	579
Hopstar	1	1	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Lisbon, Portu. 13	Nit. of soda	9,200
Elisabeth Bakke 2	1	1	Nor.	Knutsen Line	Vancouver, B. C.	English ports.	General	6,874
El Oso 1	1	1	Brit.	C. T. Bowring & Co.	Cabo Bl'co, Peru	Ellesm'Pt., Eng.	(21)	9,919
Real 2	1	2	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	27
Sona 2	1	2	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	20
Lieut. Col. H. C. Schumm 4	1	2	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	Tow. barge.	
Santa Barbara 2	1	2	Amer.	Grace Line	SanAntonio, Chile	New York, N. Y.	General	5,431
Lochboil 2	1	2	Brit.	N. Pac. Coast Line	Vancouver, B. C.	Rotterdam, Neth.	General	9,109
Pacific Enterprise 2	1	2	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Glasgow, Scot.	General	8,590
Eskdalegate	1	2	Brit.	Chile Nit. Sales Corp.	Antof gasta, Chile	Azores 13	Nit. of soda	7,866
Trimountain 1	1	2	Amer.	Shell Oil Co.	Los Angeles, Cal.	Perth Amboy, N. J.	(22)	9,059
City of Glasgow	31	3	Brit.	M. A. N. Z. Line	Bluff, N. Z.	Halifax, N. S.	General	1,562
Sonnavid 2	2	2	Nor.	Anglo-Can. S. S. Co.	Cowichan, B. C.	Grangem th, Scot.	Lum., spelter	7,722
Kano Maru 2	2	2	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	St. John, N. B.	General	7,944
Modavia 2	2	2	Brit.	Donaldson Brothers	Vancouver, B. C.	Glasgow, Scot.	Fruit, gen.	5,054

1 Tanker. 2 Motor ship. 4 Tug. 5 Launch. 7 Submarine. 13 For orders. 14 Coffee, copper, general. 15 Canned fruit, general. 16 Wheat, lumber, general. 17 Crude mineral oil. 18 Plantains, lumber. 19 Copper, concentrates. 20 Lumber, copper, general. 21 Grades A and C oil. 22 Kerosene, solvent.

## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Trontolite 1 2	2	3	Brit.	Imperial Oil Ship. Co.	Talara, Peru	Halifax, N. S.	Gasoline	7,502
American	2	3	Amer.	Amer.-Hawaiian Line.	Tacoma, Wash.	Boston, Mass.	Lumber, gen.	6,194
Nurnberg 2	3	4	Ger.	North German Lloyd.	Talcahuano, Chile	Hamburg, Ger.	General	6,876
Vestvåg 2	3	3	Nor.	N. Negroes Sugar Co.	Hoiho, P. I.	E. coast, U.S.A.	Sugar	7,200
Mersington Court	2	3	Brit.	Chile Nit. Sales Corp.	Iquique, Chile.	Gibraltar <sup>13</sup>	Nit. of soda.	7,266
Scottish Minstrel <sup>1 2</sup>	3	5	Brit.	Standard Oil of N. J.	Talara, Peru	Vallo, Norway.	Crude oil	6,825
Nero 2	3	5	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	546
Uranienborg	3	3	Dan.	Chile Nit. Sales Corp.	Ignique, Chile.	Jacksonville, Fla.	Nitrate	6,085
Gypsum Prince	3	3	Brit.	Chile Nit. Sales Corp.	Toopilla, Chile.	Gamboa, C. Z.	Nit. of soda.	6,300
Benary	3	4	Brit.	C. R. Seales & Co.	Pt. Chalmers, N.Z.	Antwerp, Belg.	(14)	6,777
Walter A. Luckenbach.	3	4	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	General.	7,157
Cerigo	3	7	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecu.	Cristobal, C. Z.	General.	1,159
Altair	3	5	Ger.	North German Lloyd.	Champ'ico, Guat.	Amsterdam, Neth	Coffee, sugar	2,659
Darlington Court <sup>2</sup>	4	4	Brit.	Seaboard Shipping Co.	Pt. Alberni, B. C.	London, England	Lumber, oats	7,598
Pentmar	4	4	Amer.	Calmar S. S. Corp.	Pt. Angeles, Wash.	New York, N. Y.	Lumber.	6,755
Lena Luckenbach	4	4	Amer.	Luckenbach Gulf Co.	Portland, Oreg.	Mobile, Ala.	Lumber, gen.	6,558
Lautaro 2	4	4	Brit.	Pacific Steam Nav. Co.	Talcahuano, Chile.	Liverpool, Eng.	General.	8,479
Corabella	4	5	Brit.	Canadian Transp. Co.	Vancouver, B. C.	London, England	(15)	7,550
Viking Star	4	5	Brit.	Blue Star Line	N. Westm'er, B. C.	Newcastle, Eng.	Frozen, gen.	4,601
Gannet 1	4	5	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Nankai Maru 2	4	5	Japan	Osaka Shosen Kaisha.	Dairen, China.	Baltimore, Md.	General.	2,004
Winlow 5	4	5	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow barge.	
H. M. Storey	4	5	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Baltimore, Md.	Furnace oil.	14,542
Loosdrecht 1 2	4	5	Neth.	Shell Oil Co.	Los Angeles, Cal.	Curacao, N.W.I.	Gasoline	14,007
Orotava	5	5	Hond.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	1,000
Everleigh	3	3	Brit.	Canadian Transp. Co.	Victoria, B. C.	Immingham, Eng.	Lum., grain	9,000
Phantom	4	5	Amer.	E. G. Willett	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Timber Rush	5	5	Amer.	Shepard S. S. Co.	Seattle, Wash.	New York, N. Y.	Lumber, gen.	6,649
Caroline 2 6	5	5	Amer.	W. F. O'Toole.	Los Angeles, Cal.	Galveston, Tex.	Ballast	
Ino 2	5	6	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	General.	550
Musa	5	5	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	New York, N. Y.	Bananas	1,500
Oakland 2	5	6	Ger.	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	General.	7,139
Rangitane 2	5	5	Brit.	N. Z. Shipping Co.	Auckland, N. Z.	London, England	Frozen, gen.	6,321
Thrush 4	5	5	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
La Union 2	5	6	Pan.	A. A. Valdes	Bayano, R. P.	Cristobal, C. Z.	Bananas	29
Porto Bello 2	5	5	Pan.	A. Tagaropulos	Darien, R. P.	Cristobal, C. Z.	(16)	10
Marchen Maersk 5	7	7	Dan.	A. P. Moller	Cebu, P. I.	New York, N. Y.	General.	5,635
Northmor 2	2	6	Brit.	Osaka Shosen Kaisha.	Osaka, Japan.	Buenos Aires, Arg.	Carbide, gen.	4,027
Camden 1	6	6	Amer.	Shell Oil Co.	Los Angeles, Cal.	Sewaren, N. J.	Gasoline	8,528
Roda 2	7	7	Ger.	Hamburg-Amer. Line.	Valparaiso, Chile.	Hamburg, Ger.	General.	7,777
Munkleigh	7	7	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Liverpool, Eng.	(17)	8,695
Trois Ilets	7	8	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	261
Norme 2	7	7	Nor.	Louis Dreyfus & Co.	Rashin, Korea.	Karlshamn, Swed.	Soy beans.	6,186
Santa Rita 2	7	7	Amer.	Grace Line	Antof gasta, Chile	New York, N. Y.	(18)	3,516
Mayan	7	7	Amer.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General.	716
Ferneliff 2	7	7	Nor.	Chile Nit. Sales Corp.	Toopilla, Chile.	Lake Charles, La.	Nit., potash	7,765
Cubore	7	7	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,100
Torvanger	6	7	Nor.	Chile Nit. Sales Corp.	Iquique, Chile.	Azores <sup>13</sup>	Nitrate	10,030
Alabama	7	7	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	General.	6,247
Amagisan Maru 2	7	7	Jap.	Mitsui Bussan Kaisha	Yokohama, Japan	Baltimore, Md.	Silk, gen.	8,058
D. G. Scofield 1	7	7	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Providence, R. I.	Pet. asphalt	11,037
Pennsylvania	7	8	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	Fruit, gen.	6,971
Lebore	7	8	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,300
California Express <sup>2</sup>	7	8	Nor.	Fruit Express Line	Seattle, Wash.	Glasgow, Scot.	Fresh fruit.	1,734
Ciss	8	9	Nor.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	882
New Orleans 2	7	9	Amer.	Roosevelt S. S. Co.	Santo Nino, P. I.	Philadelphia, Pa.	Sugar, gen.	7,989
Kentuekian	7	8	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General.	4,850
Vinland 2	7	8	Nor.	Dan.-Scand.-Syd.-Pac	Valparaiso, Chile.	Goth'burg, Swed.	General.	6,864
Leiv Eiriksson 1 2	7	8	Nor.	C. Dewry & Co.	Lobitos, Peru.	Donges, France.	Crude oil	14,005
Gypsum Prince	3	8	Brit.	Chile Nit. Sales Corp.	Toopilla, Chile.	Wilmington, N.C.	Nit. of soda.	6,300
Frankfurt	8	9	Ger.	North German Lloyd.	Corral, Chile.	Hamburg, Ger.	(19)	7,990
San Felipe	8	9	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	8,071
Sona 2	8	9	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Real 2	8	9	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	32
Tuira 2	8	9	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	55
Chilean Refcer 2	8	9	Dan.	J. Lauritzen	Tacoma, Wash.	Haifa, Palestine.	Fruit, gen.	1,644
Lochmonar 2	8	10	Brit.	Royal Mail Line, Ltd.	Victoria, B. C.	Rotterdam, Neth.	General.	9,332
J. L. Luckenbach.	9	9	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	5,950
City of Rayville 2	9	10	Amer.	Roosevelt S. S. Co.	Sydney, Aust'la.	New York, N. Y.	General.	6,225
Dalblair	9	10	Brit.	Campbell Brothers	Vancouver, B. C.	London, England	Lumber, gen.	7,881
Demetercon	10	10	Brit.	Balfour, Guthrie & Co.	Portland, Oreg.	Cobb, Ireland <sup>13</sup>	Wheat.	8,000
Tivives	10	10	Amer.	United Fruit Co.	Pto. Arm'les, R.P.	New York, N. Y.	Bannanas.	1,500
Beatus	10	10	Brit.	Andrew Weir & Co.	Makatea, Tuam'o.	Limhamn, Swed.	Phosphate.	7,800
Fordsdale	10	10	Brit.	Shaw, Savill & Albion	Pt. Chalmers, N.Z.	London, England	Frozen, gen.	5,701
Weser 2	10	11	Ger.	North German Lloyd.	Vancouver, B. C.	Bremen, Ger.	General.	8,972
Ionie Star	10	11	Brit.	Blue Star Line	N. Westm'er, B. C.	Newcastle, Eng.	Frozen, gen.	5,789

<sup>1</sup>Tanker. <sup>2</sup>Motor ship. <sup>3</sup>Tug. <sup>4</sup>Launch. <sup>5</sup>Yacht. <sup>6</sup>Yacht. <sup>13</sup>For orders. <sup>14</sup>Wool, zinc ore. <sup>15</sup>Lumber, grain, general. <sup>16</sup>Plantains, logs. <sup>17</sup>Wheat, barley, lumber. <sup>18</sup>Copper, bananas, coffee. <sup>19</sup>Lentils, saltpetre, copper.



# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.

*Certificate.*—By direction of the Governor of the Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXI

Balboa Heights, C. Z., March 15, 1938

No. 8

## Traffic Through the Panama Canal in February 1938

The total vessels of all kinds transiting the Panama Canal during the month of February 1938, and for the same month in the two preceding years, are shown in the following tabulation:

	February 1936	February 1937	February 1938		
			Atlantic to Pacific	Pacific to Atlantic	Total
Ocean-going commercial traffic.....	452	377	234	202	436
Small commercial vessels <sup>1</sup> .....	57	78	42	31	73
Noncommercial vessels:					
United States Government.....	33	45	22	12	34
State of California.....	1				
For repairs.....				1	1
<b>Total.....</b>	<b>543</b>	<b>500</b>	<b>298</b>	<b>246</b>	<b>544</b>

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC <sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the 12 months ended February 28, 1938, as compared with the previous 12 months:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8
	March.....	526	536	2,714,768	2,770,451	2,634,150	3,016,418	\$2,293,874.51
April.....	482	473	2,483,561	2,460,549	2,430,134	2,652,880	2,079,730.70	2,067,026.68
May.....	488	544	2,504,215	2,839,127	2,419,652	2,950,925	2,081,103.73	2,376,706.36
June.....	481	472	2,449,127	2,450,018	2,459,752	2,670,466	2,073,359.39	2,070,337.89
July.....	456	457	2,364,539	2,395,306	2,450,324	2,476,366	1,999,105.18	2,029,642.45
August.....	473	505	2,398,306	2,597,119	2,396,331	2,750,603	2,051,540.28	2,195,308.87
September.....	466	444	2,428,317	2,312,725	2,526,366	2,385,142	2,045,440.82	1,935,673.78
October.....	482	461	2,499,678	2,359,406	2,463,069	2,438,788	2,081,758.23	1,981,057.87
November.....	368	435	1,768,738	2,280,565	1,747,368	2,185,283	1,488,054.25	1,893,462.00
December.....	341	439	1,655,501	2,238,271	1,538,503	2,046,170	1,366,388.58	1,845,048.20
January.....	399	444	1,915,787	2,219,496	1,855,937	2,095,402	1,598,323.51	1,837,894.72
February.....	377	436	1,940,611	2,154,222	1,839,788	1,998,827	1,602,306.30	1,786,611.45
<b>Total.....</b>	<b>5,339</b>	<b>5,646</b>	<b>27,123,148</b>	<b>29,077,255</b>	<b>26,761,374</b>	<b>29,697,270</b>	<b>22,760,985.48</b>	<b>24,373,949.31</b>

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 net tons measurement (Panama Canal net), which transited the Panama Canal during the month of February 1938. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	42	2,031	\$1,895.23	571
Pacific to Atlantic.....	31	1,892	2,016.95	1,637
<b>Total.....</b>	<b>73</b>	<b>3,923</b>	<b>3,912.18</b>	<b>2,208</b>



Traffic by Nationality of Vessels<sup>3</sup> for February 1938

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
British	4 105	571,151	\$484,451.01	525,558
Danish	15	62,945	44,965.37	47,047
French	8	45,748	36,533.42	43,802
German	33	146,917	119,640.00	114,854
Greek	7	34,043	28,023.20	43,616
Honduran	8	13,916	12,969.76	3,039
Italian	3	19,806	14,306.87	2,754
Japanese	24	145,789	131,244.35	159,464
Netherlands	26	83,075	67,850.00	61,110
Norwegian	58	270,288	208,034.64	278,739
Panamanian	16	33,037	29,005.42	23,137
Peruvian	1	2,310	2,581.25	1,962
Philippine	1	9,018	6,492.96	.....
Swedish	11	61,416	45,301.79	62,472
Union of Soviet Socialist Republics	1	2,016	2,106.25	2,175
United States	119	652,747	553,107.16	629,098
Total	436	2,154,222	1,786,611.45	1,998,827

<sup>3</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement. <sup>4</sup> Includes 1 naval vessel, 1,540 displacement tons.

## Traffic by Trade Routes for February 1938

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table, the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo frequently is laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	43	235,604	150,994	35	217,606	255,084
East coast United States and:						
Canada	3	12,774	10,883	1	4,834	7,750
Central America	9	21,635	.....	8	20,523	8,716
South America	22	123,660	22,144	23	107,439	224,150
Balboa	1	4,231	8,664	.....	.....	.....
West Indies	1	5,450	2,672	2	9,743	11,906
Australasia	6	34,187	37,792	3	15,695	20,200
Philippine Islands	5	29,569	24,483	13	76,421	98,256
Far East	22	120,340	144,909	5	27,888	15,662
Canadian intercoastal	1	5,882	2,065	.....	.....	.....
East coast Canada and:						
South America	1	7,717	.....	1	4,455	7,502
Australasia	2	15,877	11,149	2	11,363	7,973
Far East	3	16,763	20,566	.....	.....	.....
South American intercoastal	1	2,310	1,962	.....	.....	.....
East coast South America and:						
Canada	1	4,375	3,766	.....	.....	.....
Far East	2	13,305	11,901	1	4,612	4,027
Cristobal and:						
Central America	7	6,026	3,687	4	3,727	3,196
South America	14	8,636	2,980	16	10,021	9,754
West Indies and:						
United States	1	5,202	.....	2	12,883	25,809
Canada	1	3,235	1,006	.....	.....	.....
Central America	1	1,815	.....	.....	.....	.....
South America	3	15,552	29,993	1	7,214	14,966
Balboa	2	10,687	17,724	.....	.....	.....
Europe and:						
United States	7	28,962	5,770	5	31,176	43,712
Canada	30	164,192	33,218	37	201,314	273,282
Central America	6	22,071	5,336	3	11,537	13,640
South America	16	86,570	44,040	23	116,009	184,620
Australasia	10	80,163	54,180	10	74,649	65,187
Far East	2	15,363	.....	2	9,442	11,936
Egypt and South America	1	4,560	.....	3	13,641	25,060
Asia and United States	.....	.....	.....	1	2,039	1,644
Around the world	3	30,720	6,733	1	6,037	6,178
Foreign vessels in ballast (United States intercoastal)	4	13,645	.....	.....	.....	.....
Vessels not engaged in commerce	5 <sup>3</sup>	2,876	.....	.....	.....	.....
Total	234	1,153,954	658,617	202	1,000,268	1,340,210

<sup>5</sup> Two yachts, 1 naval vessel (1,540 displacement tons).

**Origin and Destination of Cargo by Major Areas**

The following table summarizes the origin of cargo passing through the Canal in February 1938, and its destination by major geographical trade areas:

**ATLANTIC TO PACIFIC**

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States.....	161,550	25,300	191,136	16,786	34,079	428,851
Other North America.....	2,631	25,159	6,391	42,667	17,399	94,247
Europe.....	26,225	12,726		33,247	53,560	125,758
Miscellaneous.....	4,722	238	2,795	2,006		9,761
<b>Total.....</b>	<b>195,128</b>	<b>63,423</b>	<b>200,322</b>	<b>94,706</b>	<b>105,038</b>	<b>658,617</b>

**PACIFIC TO ATLANTIC**

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	246,793	43,927	152,151	5,449	448,320
Canada.....	7,750	2,769	157,288		168,347
Other North America.....	20,622	3,300	8,383		32,365
South America.....	226,472	34,712	188,075	16,793	466,052
Australasia.....	22,600	5,777	64,983		93,360
Asia.....	114,652	1,666	11,936	3,512	131,766
<b>Total.....</b>	<b>638,889</b>	<b>92,211</b>	<b>583,356</b>	<b>25,754</b>	<b>1,340,210</b>

**Principal Commodities**

Commodities in transit through the Canal which aggregated 10,000 or more tons either during February 1938 or February 1937, are listed below:

Commodity	February		Commodity	February	
	1937	1938		1937	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Asphalt and tar.....	14,567	10,656	Beans, edible.....	17,974	12,162
Automobiles and parts.....	25,487	22,020	Canned goods.....	48,393	58,750
Canned goods.....	9,162	10,183	Coffee.....	19,813	19,764
Cement.....	15,849	10,227	Cold storage (food products) <sup>6</sup> .....	27,950	26,847
Cotton, raw.....	33,781	26,221	Copra.....	12,661	14,233
Iron and steel.....	86,661	112,019	Flour.....	9,254	18,917
Machinery.....	11,906	9,279	Fruit, dried.....	7,980	17,839
Metals, various.....	29,806	47,819	Fruit, fresh <sup>7</sup> .....	23,058	42,108
Oils, mineral.....	50,871	92,950	Lumber.....	131,558	202,129
Paper.....	31,350	26,816	Metals, various.....	44,172	54,079
Phosphates.....	9,466	11,290	Molasses and syrups.....	10,376	9,010
Scrap metal.....	79,905	32,536	Nitrates.....	130,682	196,942
Slag.....	21,143	15,935	Oils, mineral.....	256,152	155,796
Sulphur.....	8,562	17,708	Oils, vegetable.....	17,959	16,856
Tinplate.....	23,277	15,259	Ores, various.....	91,265	160,765
<i>Pacific to Atlantic</i>			Soy beans.....	16,947	6,186
Asphalt and tar.....	14	11,754	Sugar.....	96,870	81,370
Bananas.....	1,351	10,242	Wheat.....	115,064	68,356
Barley.....	5,019	18,040	Wood pulp.....	647	11,428
			Wool.....	14,515	12,720

<sup>6</sup> Except fresh fruit. <sup>7</sup> Except bananas.

**Commodities in Detail**

The following statement lists all commodities passing through the Canal during the month of February 1938, as reported in the cargo declarations showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small

items are frequently grouped under the designation of "general cargo"; the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes, including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts.....		64	21	94
Agricultural implements.....	1,328	86	5,612	86
Alfalfa meal.....		345		425
Ammonium compounds.....	285		2,714	
Animal foods <sup>8</sup> .....	26	92	56	1,069
Apparel, wearing (hats, shoes, clothing, etc.).....	134	1	134	2
Asbestos.....	408	15	3,155	15
Asphalt and tar.....	191	11,037	10,656	11,754
Automobiles (and autotrucks).....	1,667	123	13,298	151
Automobile parts and accessories.....	640	154	8,722	177
Bags and bagging, textile.....	19		137	
Bamboo and products.....		14		393
Bananas.....				10,242
Barks, miscellaneous.....		17		219
Barley.....		22		18,040
Beans, edible, dry.....	75	4,298	246	12,162
Beer.....	101		179	
Beverages, nonalcoholic.....	35	61	35	78
Blood and tannage.....			128	75
Bones and bone meal.....		3	583	3
Books and printed matter.....	378	13	458	13
Borax.....	15	387	153	4,839
Bran and pollards.....	17		17	1,453
Bricks and tile.....	34	28	334	38
Campbor, crude.....				3
Canned and preserved goods:				
Fish.....	451	6,669	710	9,438
Fruit.....	1,976	14,705	1,985	32,785
Meat.....	366	324	566	505
Milk.....	316	275	635	473
Soup.....	3,390	675	3,415	676
Vegetables.....	996	7,551	1,068	7,858
Miscellaneous and unclassified.....	696	3,673	1,804	7,015
Carbon black.....	27		763	
Celite.....		429		468
Cement.....	224	253	10,227	253
Chalk.....	30		85	
Charcoal.....	41		111	
Chemicals <sup>8</sup> .....	3,652	2,054	9,401	2,718
Clay, china and fire.....	88	179	89	287
Clay filtering.....		249		249
Coal.....	697		828	
Cocoa and cacao beans.....	578		877	775
Coconuts and products <sup>8</sup> .....	78	629	132	1,796
Coffee.....	318	61	6,191	19,764
Coke.....			5,403	
Cold storage and refrigerated products:				
Dairy products.....	15	161	263	10,852
Eggs.....	130	18	130	44
Fish.....	112	264	145	1,924
Lard.....	298	38	315	38
Meats.....	29	267	259	12,779
Poultry.....	157	866	159	866
Vegetables.....	36	248	37	340
Other and unclassified.....	11		30	4
Confectionery.....	521	48	543	48
Copra.....				14,233
Corn.....			4	73
Cotton, raw.....	10	872	26,221	8,568
Crocote.....	56		56	
Drugs and medicines.....	1,791	18	2,261	26
Dyes.....			51	
Earthenware.....		16	91	67
Eggs, dried.....				7
Electrical apparatus and appliances.....	1,357	49	2,295	72
Enamelware and metalware.....	46	13	46	246
Explosives.....	42		762	
Extract, quebracho.....			931	
Fertilizers <sup>8</sup> .....	543	81	4,277	231
Fish, salted or dry-cured.....		240	2	276
Fish meal.....		719	26	3,537
Floor coverings.....	1,326	819	1,546	1,113
Flour.....	123	12,914	1,133	18,917
Fruit, dried.....	26	7,306	147	17,839
Fruit, fresh <sup>8</sup> .....		3,083	362	42,108

<sup>8</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes, including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Furniture and household goods.....	81		98	3
Gallnuts.....				60
General.....	15,640	5,521	45,123	15,720
Glass and glassware.....	1,532	195	4,273	1,444
Glue.....	1		1	40
Grains, unclassified.....			50	744
Groceries.....	1,263	157	1,566	177
Gums.....			5	164
Hair, all kinds.....				87
Hay.....	13	89	13	151
Hemp, unmanufactured.....	143		143	1,088
Honey.....				126
Hops.....		40	14	43
Horns and hoofs.....				31
Infusorial earth.....	42	204	42	540
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.).....	49,164	396	112,019	994
Ivory nuts.....			196	1,535
Jute, unmanufactured.....	12		43	32
Lard substitute.....	758		758	25
Lime.....	35		120	
Liquors.....	2,844	388	4,183	396
Lumber (including manufactured mill products).....	1,264	80,384	5,799	202,129
Machinery.....	1,973	844	9,279	1,069
Malt.....			626	30
Manufactured goods <sup>8</sup> .....	4,069	301	8,979	1,662
Marble and granite.....	9		37	
Matches.....	177	25	216	78
Metals:				
Copper.....	42	2,131	7,783	26,646
Gold and silver.....				22
Iron.....	300		35,998	
Lead.....	130	236	241	17,829
Tin.....	253	260	1,474	520
Zinc.....	63		670	8,924
Other and unclassified.....	96	8	1,653	138
Milk, powdered.....		243		393
Molasses and syrups.....	477		501	9,010
Nitrate.....	1,556		7,558	196,942
Nuts, edible (including meats).....	85	345	95	524
Oats.....	105	130	112	5,395
Oils, mineral:				
Crude.....			12,614	51,801
Gas and fuel.....			44,531	
Gasoline, benzine, and naphtha.....	9,000	19,042	20,514	72,885
Kerosene.....		22,262	540	30,377
Lubricating and greases.....	5,566	460	14,751	733
Oils, vegetable:				
Coconut.....		450		10,866
Cottonseed.....			6	
Linseed.....	688		768	
Olive.....	118		353	
Peanut.....			605	
Wood.....	11	122	911	3,745
Other and unclassified.....	80		748	2,245
Oil, fish.....			71	754
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.).....		44	525	2,067
Oilseed cake and meal.....	579		579	4,822
Ores:				
Antimony.....			33	1,445
Chrome.....				13,325
Copper.....			8	2,501
Gold and silver.....				24
Iron.....			477	126,300
Lead.....				1,835
Magnesite.....		368		3,868
Manganese.....				1,000
Tin.....				2,365
Zinc.....			119	7,515
Other and unclassified.....			1,933	587
Paints and varnishes.....	1,092	235	1,985	511
Paper and paper products <sup>8</sup> .....	8,669	5,245	26,816	6,188
Peanuts.....	668		668	213
Peas, dry.....		36		260
Peatmoss.....			320	
Phosphates.....	552		11,290	7,800
Plaster.....			32	
Porcelainware.....	285	200	811	2,480
Potash.....	21	2,487	21	2,487
Pyrethrum flowers.....			5	125

<sup>8</sup> Except as otherwise classified.



Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Rags and waste	110	408	358	537
Railroad material	5,016	53	6,403	53
Rice	7,92	100	1,368	2,463
Rope and twine	204	18	265	89
Rosin	674		2,013	
Rubber:				
Manufactured	921	770	1,291	807
Raw		100	33	2,566
Scrap		27	470	52
Salt	26		2,539	
Sand			2,048	25
Scrap metal	35	164	32,836	753
Seeds (except oilseeds)		138	206	594
Shells, oyster	303		428	391
Silk, raw		286		1,190
Skins and hides		1,416	478	3,652
Slag			15,935	
Slate	272		278	
Soaps and products	2,060	112	2,100	154
Soda and sodium compounds:				
Soda ash	124		249	628
Soda, caustic	185		805	
Miscellaneous and unclassified	680		926	1,079
Soy beans	74		74	6,186
Sugar	90	6,843	5,746	81,370
Sulphur	6,091		17,708	
Talc	16	28		923
Tallow	73	653	73	2,006
Tea	136	6	249	615
Textiles <sup>9</sup>	2,231	3	9,562	2,281
Tinplate	5,508		15,259	
Tobacco and manufactures	157	13	4,006	218
Toilet preparations		4		4
Turpentine	124		805	
Vegetables, dry <sup>8</sup>		20	94	616
Wall board	84		180	433
Wax, paraffin	131		906	21
Wheat		960		68,356
Wines	15	874	313	1,526
Wood pulp		7,793	7,758	11,428
Wool	106	625	117	12,720
Total, February 1938	161,550	246,793	658,617	1,340,210
Total, February 1937	134,346	57,103	636,859	1,202,929
Total, February 1936	185,215	439,451	622,265	1,532,766

<sup>8</sup> Except as otherwise classified. <sup>9</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade route, the tanker traffic through the Canal during the month of February 1938:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	4	22,946	9,000	5	29,158	10 52,325
East coast United States and:						
South America	1	4,928	2,449			
Balboa	1	4,231	8,664			
Hawaiian Islands				1	4,293	<sup>11</sup> 7,760
East coast Canada and South America	1	7,717		1	4,455	7,502
West Indies and:						
United States	1	5,202		2	12,883	25,809
South America	3	15,552	29,993	1	7,214	14,966
Balboa	2	10,687	17,724			
Europe and:						
United States	1	5,734		1	7,650	13,408
Central America	1	6,483				
South America	1	5,411		5	27,616	51,955
Far East	1	6,345				
Total	17	95,236	67,830	16	93,269	173,725

<sup>10</sup> 11,037 tons petrolastic asphalt. <sup>11</sup> Molasses.

**Comparison of Canal Traffic in February 1938, with February Traffic in Previous Years**

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of February			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1915.....*	12 88	(000 omitted) 317	(000 omitted) 424	1915	13 100	(000 omitted) 361	(000 omitted) 466
1916.....	(14) 130	463	547	1916	60	199	258
1917.....	149	487	473	1917	145	483	588
1918.....	153	512	563	1918	165	547	627
1919.....	200	703	780	1919	162	510	576
1920.....	236	916	953	1920	199	712	781
1921.....	207	886	838	1921	232	950	966
1922.....	318	1,529	1,563	1922	222	951	907
1923.....	415	2,109	2,244	1923	325	1,550	1,631
1924.....	369	1,788	1,839	1924	429	2,179	2,249
1925.....	416	1,990	2,139	1925	382	1,904	1,996
1926.....	435	2,200	2,229	1926	424	2,064	2,169
1927.....	523	2,458	2,659	1927	441	2,184	2,311
1928.....	510	2,427	2,549	1928	521	2,453	2,468
1929.....	475	2,368	2,377	1929	524	2,485	2,554
1930.....	419	2,133	1,929	1930	502	2,497	2,502
1931.....	345	1,877	1,645	1931	447	2,314	2,089
1932.....	344	1,831	1,434	1932	364	1,977	1,650
1933.....	452	2,462	2,124	1933	347	1,900	1,513
1934.....	430	2,205	1,836	1934	436	2,379	2,059
1935.....	452	2,322	2,155	1935	432	2,317	2,109
1936.....	377	1,941	1,840	1936	449	2,335	2,209
1937.....	436	2,154	1,999	1937	467	2,404	2,507
1938.....				(15) 453	2,320	2,301	

<sup>12</sup> Canal opened August 15, 1914. <sup>13</sup> Average for 10½ months of fiscal year ended June 30, 1915. <sup>14</sup> Canal closed account of slides. <sup>15</sup> Average for 8 months of fiscal year 1938.

**Terminal Activities**

Ships which completed repairs during the month of February 1938, numbered 50. Vessels released from drydock numbered 14. Fuel oil in the quantity of 232,111 barrels was delivered as bunkers to 121 commercial ships. Bunker coal amounting to 5,490 tons was delivered to 21 commercial ships. Sales of commissary supplies to ships aggregated \$59,753.39.

**Cargo Handled at Terminal Ports, February 1938**

	Cristobal	Balboa	Total
Local cargo arriving..... tons..	18,044	4,798	22,842
Local cargo shipped..... tons..	1,471	463	1,934
Cargo received for transshipment..... tons..	40,314	323	40,637
Cargo transhipped..... tons..	39,406	284	39,690
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	13	1	14
Number of releases issued.....	36	20	56
Tons received.....	86	4	90
Tons withdrawn.....	27	9	36

**All Vessels Entering and Clearing Port, February 1938**

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal..	513	3,284,936	1,952,314	477	2,584,236	1,534,960
Vessels entering port but not transiting Canal..	66	669,189	393,164	19	34,197	21,161
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	136	821,606	475,398	105	684,814	392,337
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	513	3,242,183	1,916,737	478	2,587,088	1,537,873
Vessels clearing port but not transiting Canal..	67	634,965	366,914	17	29,067	17,861
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	139	828,513	480,758	103	680,314	389,833

### Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight February 10, 1938, to midnight March 10, 1938. Figures after names of vessels show, respectively, tons discharged and tons laden:

#### CRISTOBAL

Tosca, 340, 0	Schwaben, 23, 259	Erlangen, 546, 242	Santa Inez, 133, 18	Hermonthis, 126, 239
Laurits Swenson, 15, 0	Osnabruck, 200, 171	Contessa, 63, 317	Port Montreal, 997, 0	Haiti, 76, 1,247
Tolosa, 576, 314	Snestad, 10, 0	Hardanger, 2, 0	Port Montreal, 0, 51	San Clemente, 182, 2
Orbita, 58, 387	Santa Barbara, 235, 2	Director, 174, 24	Atlas, 0, 1,185	Ramona, 4,196, 0
Nero, 479, 0	Venezuela, 349, 56	Palatia, 100, 158	Bordeaux Maru, 782, 0	Nero, 430, 20
Manizales, 920, 175	Allister, 499, 44	Rialto, 103, 16	Flandre, 134, 0	Trois Ilets, 185, 60
Talamanca, 206, 108	Mataroa, 41, 0	Tatsuno Maru, 13, 0	Jefferson Myers, 218, 0	Erria, 0, 10 $\frac{1}{2}$
Colombie, 0, 1	Buenos Aires Maru, 0, 242	Toulouse, 619, 0	San Jose, 373, 193	Costa Rica, 0, 461
Istmo, 726, 167	Limon, 679, 1	Pasajero, 0, 1	New York, 1 case, 0	Port Antonio, 0, 433
Chio, 371, 0	Sixaola, 798, 327	Buenos Aires, 54, 219	Cefalu, 592, 634	Real, 20, 0
San Jose, 463, 8	Trois Ilets, 335, 62	Narenta, 0, 44	Mantilla, 8,356, 0	Reina del Pacifico, 50, 135
L. J. Drake, 10,653, 0	Nero, 297, 316	Costa Rica, 34, 12	Nuevo Panama, 0, 112	Selma City, 278, 0
Haiti, 170, 1,499	Istmo, 729, 263	Drechtidijk, 416, 219	Acajutla, 605, 411	Gera, 1, 0
Buenaventura, 0, 752	Quirigua, 152, 273	San Anselmo, 845, 0	Elbe, 73, 342	Anna Maersk, 282, 7
Noto Maru, 515, 0	Kiyosumi Maru, 147, 0	Guayaquil, 1,696, 656	Istmo, 0, 314	D.G.Scofield, 12,451, 0
Frederic R. Kellogg, 1,696, 0	Hokuroku Maru, 404, 1 case	Orazio, 7 $\frac{1}{2}$ , 443	Orduna, 50, 655	Istmo, 737, 0
Ruth Lykes, 230, 622	Lima, 143, 269	San Benito, 676, 291	Flandre, 0, 196	Caribia, 215, 35 $\frac{1}{2}$
Lochmouar, 401, 0	Bennekom, 137, 403	Chio, 174, 131	Margaret Johnson, 74, 103	West Ira, 78, 550
San Diego, 197, 5	Ino, 199, 30	Ulua, 1,017, 141	Este, 212, 1,006	Virgilio, 96, 35
Colombie, 85, 302	Arica, 61, 507	Tillie Lykes, 385, 551	Santa Lucia, 210, 70	Contessa, 274, 322
Oklahoman, 691, 395	Sona, 0, 35	Ino, 411, 232	Clio, 427, 132	Bodegraven, 0, 54
San Angelo, 438, 1 $\frac{1}{2}$	Jamaica, 96, 1,257	Santa Rita, 330, 75	Cristobal, 4,133, 852	Wavs, 309, 0
Mayan, 0, 998	Durazzo, 973, 202	Antigua, 207, 161	Manizales, 1,241, 341	Chiriqui, 0, 133
Santa Lucia, 211, 4 $\frac{1}{2}$	Vancouver, 72, 457	Wyoming, 264, 220	Ciss, 0, 164	California, 321, 0
Abraham Lincoln, 9 $\frac{1}{2}$ , 1,128	Venezuela, 0, 889	Seattle, 150, 0	San Vincente, 19, 1case	Mayan, 1,286, 0
Cefalu, 383, 219	Lysefjord, 41, 602	Colombia, 50, 1,006	Sesostros, 77, 350	Arizona, 649, 0
Cordillera, 11, 355	Itaui, 33, 132	Trois Ilets, 310, 0	Nako Maru, 742, 25	Santa Maria, 89, $\frac{1}{2}$
Salvador, 984, 361	Marie Leonhardt, 69, 178	Cerigo, 1,293, 114	Belize, 5, 0	Recorder, 198, 79
America, 43, 175	El Mirlo, 5,108, 0	Pereira, 1,066, 612	Kyphissia, 89, 1,292	Lobos, 6, 344
Canada, 0, 56	Virginia, 204, 0	Istmo, 730, 0	Barneveld, 359, 1,134	Nienburg, 57, 67
Vinni, 495, 0	Santa Maria, 635, 42	Asuka Maru, 120, 0	Sagua, 489, 524	Delftidijk, 224, 1 case
Ancon, 2,862, 448		Uruguay, 303, 513	Veragua, 182, 159	Mantilla, 4,625, 0
		Karnt, 3, 0	Santa Marta, 1,574, 55	Annie Johnson, 241, 252

#### BALBOA

Portland, 43, 0	Vega, 12, 0	Virginia, 107, 20	Oliver Olson, 3,863, 0	California, 95, 0
Tosca, 1,828, 0	El Aletto, 10,505, 0	Santa Maria, 60, 8	Santa Rita, 103, 28	Anna Maersk, 151, 0
Chateau Thierry, 621, 89	Buenos Aires Maru, 37, 0	Henderson, 2, 0	Pereira, 0, 76	Manizales, 0, 17
Santa Clara, 128, 32	Santa Barbara, 206, 0	Toulouse, 237, 0	Pastores, 0, 4	Republic, 747, 0
Frederic R. Kellogg, 2,445, 0	St. Mihiel, 76, 65	El Mirlo, 7,219, 0	Elbe, 74, 79	American, 11, 0
Santa Lucia, 14, 10	Vancouver, 41, 38	Santa Maria (Union), 11,793, 0	Rakuyo Maru, 75, 0	President Adams, 10, 5
Platano, 0, 3	Heranger, 0, 1	Crawford Ellis, 0, 2	Nako Maru, 40, 9	Leme, 253, 0
	Britta, 8,664, 0	President Pierce, 35, 0	Santa Lucia, 187, 15	Santa Maria, 70, 0
			Santa Clara, 6, 0	Chateau Thierry, 50, 0

NOTE.—Figures shown represent short tons of 2,000 pounds.

### Passengers

Ocean ship passengers disembarking at Canal ports during February 1938 numbered 2,889 at Cristobal and 1,088 at Balboa; embarking 2,272 at Cristobal and 1,094 at Balboa. Passengers passing through the Canal numbered 5,997 from the Atlantic to the Pacific, and 2,635 from the Pacific to the Atlantic. Aircraft numbering 42 entered Cristobal and 177 passengers disembarked; clearances were 42, with 194 passengers embarking. At Balboa, entries of aircraft numbered 52, with 167 passengers disembarking; clearances were 52, with 123 passengers embarking.

### Provisions Required by Ships

Commissary Division, Panama Railroad Company, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats (including native beef), ice, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes and tobacco, which are for sale to ships at reasonable prices. A modern laundry service is also available.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery, or for delivery at the other terminal after transit.

**Movements of Ocean Vessels Through the Panama Canal**  
**From midnight February 10, 1938, to midnight March 10, 1938**

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Columbus	11	12	Ger.	North German Lloyd.	New York, N. Y.	New York, N. Y.	Passengers	.....
Santa Clara	10	11	Amer.	Grace Line	New York, N. Y.	SanAntonio,Chile	General	2,478
California	11	11	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	Gen., meats	3,638
Chateau Thierry <sup>8</sup>	10	10	Amer.	U. S. Army	New York, N. Y.	Balboa, C. Z.	General	1,173
Maranon	10	11	Peru	C. P. V. D.	Iquitos, Peru	Callao, Peru	Lumber, gen.	1,962
Sutherland	11	11	Amer.	Polaris S. S. Co.	Philadelphia, Pa.	Seattle, Wash.	General	1,773
Lindenbank	11	11	Brit.	Andrew Weir & Co.	Tampico, Mexico	Adelaide, Aus'lia	General	7,800
Alaskan	11	11	Amer.	Amer-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,958
Susan V. Luckenbach.	11	11	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,819
John Bakke <sup>2</sup>	11	11	Nor.	Scand. So. Pae. Line.	Cardiff, Wales	Valparaiso, Chile.	Ballast	.....
Athelviscount <sup>1 2</sup>	11	11	Brit.	United Molasses Co.	Rotterdam, Neth.	Japan	Ballast	.....
Kashii Maru <sup>2</sup>	11	11	Jap.	Kokusai Kisen Kaisha	Hamburg, Ger.	Kobe, Japan	General	7,612
Laurits Swenson <sup>2</sup>	11	11	Nor.	Fred Olsen Line	Herøen, Norway	Vancouver, B. C.	General	5,502
Tosca <sup>2</sup>	11	13	Nor.	Scand. So. Pae. Line.	Oslo, Norway	Valparaiso,Chile.	General	2,202
Kypissia	11	12	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Champ'ico, Guat.	General	1,423
Orbita	11	12	Brit.	Pacific Steam Nav. Co	Liverpool, Eng.	Valparaiso, Chile.	(16)	1,131
Laila	11	12	Dan.	Wessel, Duval & Co.	New York, N. Y.	Talcahuano,Chile	General	1,537
Marpesia	12	12	Nor.	N. Atl. & Gulf S. S. Co.	Newp't News, Va.	Callao, Peru.	(16)	1,211
Puerto Rican	12	12	Amer.	Chile Nit. Sales Corp.	Savannah, Ga.	Tocopilla, Chile.	Ballast	.....
City of Dalhart <sup>2</sup>	12	12	Amer.	Roosevelt S. S. Co.	New York, N. Y.	Saigon, Fr. I. Ch.	General	3,310
Langleford	12	12	Brit.	L. Dreyfus & Co.	Barry, England.	Portland, Oreg.	Ballast	.....
Flomar	12	12	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	(17)	6,490
Sambu <sup>2</sup>	11	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>		13
Winslow <sup>8</sup>	5	5	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Rotterdam	12	13	Neth.	Holland-Amer. Line.	New York, N. Y.	New York, N. Y.	Passengers	.....
St. Laurent <sup>9</sup>	13	15	Brit.	Canadian Govt.	Halifax, N. S.	Paita, Peru	Ballast	.....
Nero <sup>2</sup>	11	13	Neth.	Royal Nit. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	43
Admiral Laws	12	16	Amer.	Bulk Carriers Corp.	New Orleans, La.	S. Francisco, Cal.	Ballast	.....
Dalfram	13	13	Brit.	United Steam Nav.Co.	Antwerp,Belgium	Auckland, N. Z.	Asphalt	7,635
Athina Livanos.	12	13	Greek.	Bunge, Ltd.	Greenock, Eng.	Portland, Oreg.	Ballast	.....
Istmo	12	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	235
Clio <sup>2</sup>	12	13	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	31
Port Caroline	13	13	Brit.	Port Line, Ltd.	Philadelphia, Pa.	Fremantle,Aus'lia	General	5,555
Real <sup>2</sup>	12	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Tuira	12	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Ketty Brovig <sup>1</sup>	13	14	Nor.	Standard Oil of N. J.	Aruba, N. W. I.	SanAntonio,Chile	Fuel oil	10,163
S-45 <sup>7</sup>	13	14	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Primer <sup>2</sup>	13	14	Nor.	Chile Nit. Sales Corp.	New York, N. Y.	Iquique, Chile	Ballast	.....
Hanley	14	14	Amer.	Weyerhaeuser S. S.Co.	Norfolk, Va.	Seattle, Wash.	Steel, gen	4,156
Platano	14	15	Pan.	United Fruit Co.	New York, N. Y.	Pto.Arm'les,R.P.	Ballast	.....
Manizales	11	14	Ger.	North German Lloyd.	Cristobal, C. Z.	Guayaquil, Ecu.	General	158
Port Sydney	14	14	Brit.	Port Line, Ltd.	Newport, Eng.	Sydney, Australia	General	5,503
Bethore.	14	14	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr de, Chile	Ballast	.....
Frederic R. Kellogg. <sup>1</sup>	13	16	Amer.	Standard Oil of N. J.	Baton Rouge, La.	Talara, Peru.	Gasoline	2,449
Sambu <sup>2</sup>	12	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>		22
San Angelo	14	15	Amer.	Quaker Line	New York, N. Y.	Seattle, Wash.	General	4,502
Trondanger <sup>2</sup>	15	17	Nor.	Interocean S. S. Co.	Rotterdam, Neth.	Vancouver, B. C.	Oil	335
Ramon de Larrinaga.	15	15	Brit.	Canadian Transp. Co.	Antwerp,Belgium	Vancouver, B. C.	Ballast	.....
Oklahoman	14	15	Amer.	Grace Line	Gibbstown, N. J.	SanAntonio,Chile	General	2,736
Mayan	7	15	Amer.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	992
Rothley <sup>2</sup>	15	15	Brit.	Seaboard Ship. Co.	London, England	Vancouver, B. C.	Ballast	.....
Don Jose	15	15	P. I.	Madrigal & Co.	Bordeaux, Fr.	Muroran, Japan.	Ballast	.....
Luna <sup>2</sup>	15	15	Pan.	A. Tagaropoulos.	Cristobal, C. Z.	Real, R. P.	General	3
Vega <sup>13</sup>	15	18	Amer.	U. S. Navy	Norfolk, Va.	Mare Island, Cal.	General	2,462
Admiral Nulton	15	16	Amer.	Bulk Carriers Corp.	New York, N. Y.	S. Francisco, Cal.	Ballast	.....
Oregon Express <sup>2</sup>	15	16	Nor.	Fruit Express Line	Glasgow, Scot.	Pto.Arm'les,R.P.	Ballast	.....
Point Ancha	16	16	Amer.	Swayze & Hoyt.	New Orleans, La.	Seattle, Wash.	General	4,601
Orotava	16	16	Hond.	United Fruit Co.	Mobile, Ala.	Pto.Arm'les,R.P.	Ballast	.....
Californian	16	16	Amer.	Amer-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	4,003
Atlantic Maru	16	16	Jap.	Ossaka Shoen Kaisha.	Philadelphia, Pa.	Dairen, China	Steel	7,376
Amerika <sup>2</sup>	16	16	Dan.	East Asiatic Co.	Copenhagen,Den.	Vancouver, B. C.	General	355
Mathilde Maersk.	15	16	Dan.	A. P. Moller	Habana, Cuba.	Guaymas, Mex.	Ballast	.....
Steel Traveler.	16	17	Amer.	Isthmian S. S. Lines.	New York, N. Y.	Manila, P. I.	Steel, gen	8,163
Eskbank <sup>2</sup>	16	16	Brit.	Andrew Weir & Co.	New Orleans, La.	Manila, P. I.	(15)	2,506
S. C. T. Dodd <sup>1</sup>	16	16	Amer.	Standard Oil of Calif.	Providence, R. I.	Los Angeles, Cal.	Ballast	.....
Sona <sup>2</sup>	15	19	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Nonrmah <sup>6</sup>	9	9	Amer.	Vineat Astor	New York, N. Y.	La Libertad, Ecu.	Ballast	.....
District of Columbia. <sup>1</sup>	16	17	Amer.	Standard Oil of Calif.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	.....
El Aleto <sup>1 2</sup>	16	19	Brit.	C. T. Bowring & Co.	Ellesmere, Eng.	Balboa, C. Z.	Fuel oil	10,505
Paul Luckenbach	17	17	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	3,127

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Launch. <sup>4</sup> Yacht. <sup>5</sup> Submarine. <sup>6</sup> Transport. <sup>7</sup> Destroyer. <sup>8</sup> Auxiliary. <sup>9</sup> For bananas and return to Cristobal. <sup>10</sup> Machinery, cotton, etc. <sup>11</sup> Dredge materials. <sup>12</sup> Steel, iron, general. <sup>13</sup> Gasoline in drums.



## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Harpoon	17	17	Amer.	Shepard S. S. Co.	Boston, Mass.	Seattle, Wash.	General	5,420
Elwood	17	17	Amer.	Shell Oil of Calif.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Tornus	17	17	Brit.	Shell Oil of Calif.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Port Chalmers	17	17	Brit.	Port Line, Ltd.	London, England	Nelson, N. Z.	General	8,090
Buenos Aires Maru	17	18	Jap.	Osaka Shosen Kaisha	Buenos Aires, Arg.	Kobe, Japan	Gen., tinplate	3,044
St. Mibihi	17	18	Amer.	U. S. Army	Brooklyn, N. Y.	S. Francisco, Cal.	General	603
Santa Barbara	17	18	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	1,976
Schwaben	17	17	Ger.	North German Lloyd	Hamburg, Ger.	Vancouver, B. C.	General	1,409
L-53	17	17	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	(14)	
Lieut. Col. H. C. Schumm	15	15	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Pirate	17	17	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.		20
Sahalinneftj.	16	18	USSR.	Sahalinneftj.	Baltimore, Md.	Vladiv'k, Russia	Steel	2,175
Kansai Maru	17	18	Jap.	Osaka Shosen Kaisha	Boston, Mass.	Kobe, Japan	General	8,378
Iowan	18	18	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	3,342
Idgrasil	17	17	Amer.	Roger S. Stout	Moorhead, N. C.	Alaska	Ballast	
Sea Horse	19	19	Amer.	N. E. Parker	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Col. Riche	19	19	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow barge	
Steel Age	19	19	Nor.	Isthmian S. S. Lines	Mobile, Ala.	Seattle, Wash.	Steel	5,189
Indra	19	19	Nor.	Knut Knutsen, O.A.S.	Oslo, Norway	Punta Arenas, C. R.	Cement	842
Miss C. B.	19	19	Brit.	Sanabris Mines, Ltd.	Tampa, Fla.	Tunacao, Colom.	Machinery	36
Rangitata	19	19	Brit.	N. Z. Shipping Co.	London, England	Bluff, N. Z.	General	5,536
Carabobo	19	19	Amer.	Northland Transp. Co.	Philadelphia, Pa.	Seattle, Wash.	General	1,530
Nero	18	19	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	
Trois Ilets	18	19	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	61
Pirate	18	18	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.		20
Arica	19	20	Fr.	French Line	Havre, France	Valparaiso, Chile	General	9,242
Tatsuna Maru	20	20	Jap.	Mitsubishi Shoji K.	Mobile, Ala.	Kobe, Japan	Pig iron	8,080
Fortuna	15	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Paula	19	20	Dan.	West Coast Line	New York, N. Y.	Valparaiso, Chile	General	1,917
Admiral Senn	20	20	Amer.	Bulk Carriers Corp.	New York, N. Y.	S. Francisco, Cal.	Ballast	
Lima	20	20	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B. C.	Paper, gen.	3,336
Istmo	18	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	Gen. gasoline	750
Grete Maersk	20	20	Dan.	Isbrandtsen Moller	Boston, Mass.	Cebu, P. I.	General	4,319
Javanese Prince	20	20	Brit.	Furness, Withy & Co.	Halifax, N. S.	Manila, P. I.	General	5,816
Ino	19	20	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	27
Sidney M. Hauptman	20	20	Amer.	McCormick S. S. Co.	Norfolk, Va.	Seattle, Wash.	General	3,201
Vancouver	20	21	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Portland, Oreg.	Steel, glass	1,211
Bennekom	19	20	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Valparaiso, Chile	General	1,722
La Union	19	21	Pan.	A. Valdes	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Taira	19	21	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu	20	21	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.		20
Sona	19	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General	35
Itauri	20	21	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Valparaiso, Chile	General	2,953
San Tiburcio	20	21	Brit.	Eagle Oil & Ship. Co.	Curacao, N. W. I.	Talcahuano, Chile	Fuel oil	7,675
Marie Leonhardt	20	21	Ger.	North German Lloyd	Hamburg, Ger.	Champico, Guat.	General	501
Fernmoer	21	21	Nor.	Mitsui & Co.	Galveston, Tex.	Yawata, Japan	(15)	6,077
Britta	21	23	Nor.	A. H. Mathiesen	Artreco, Tex.	Talara, Peru	Diesel oil	8,664
Heranger	21	21	Nor.	Interocean S. S. Co.	Rotterdam, Neth.	Los Angeles, Cal.	General	22
Keiyo Maru	21	21	Jap.	Nippon Yusen Kaisha	Boston, Mass.	Dairin, China	Phos., steel	7,753
Durazzo	19	21	Ger.	Hamburg-Amer. Line	Cristobal, C. Z.	Guayaquil, Ecu.	General	182
Blairlogie	21	21	Brit.	Seaboard Ship. Co.	Pt. Talbot, Eng.	Vancouver, B. C.	Ballast	
Salvador	15	22	Brit.	Pac. Steam Nav. Co.	Cristobal, C. Z.	Champico, Guat.	General	360
El Mirlo	21	23	Brit.	Socony Vac. Oil Co.	Aruba, N. W. I.	Los Angeles, Cal.	(16)	7,219
Musa	21	22	Pan.	United Fruit Co.	New York, N. Y.	Pto. Arm'les, R. P.	Ballast	
Henderson	21	24	Amer.	U. S. Navy	Norfolk, Va.	S. Francisco, Cal.	General	962
Hertford	21	22	Brit.	Fed. Steam Nav. Co.	Swansea, Eng.	Pt. Chalm's, N. Z.	General	10,093
Santa Clara Valley	21	22	Brit.	Berth Service	Mobile, Ala.	Osaka, Japan	Pig iron	8,027
Edgar F. Luckenbach	22	22	Amer.	Luckenbach Line	Houston, Tex.	Tacoma, Wash.	General	5,713
Parthenia	22	22	Brit.	Donaldson Bros.	Glasgow, Scot.	N. Westminster, B. C.	General	1,659
Katsurugi Maru	22	22	Jap.	Kokusai K. Kaisha	New Orleans, La.	Kobe, Japan	(17)	7,843
Pennsylvanian	22	22	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	3,436
Harboe Jensen	22	22	Nor.	United Fruit Co.	Galveston, Tex.	S. Francisco, Cal.	Ballast	
Loch Don	22	22	Brit.	Glasgow Nav. Co.	Antwerp, Belgium	Wellington, N. Z.	Basic slag	8,550
Hardanger	22	22	Nor.	Westfal, Larsen & Co.	Buenos Aires, Arg.	Vancouver, B. C.	Gen., coffee	3,766
Socony Vacuum	22	22	Amer.	Socony Vac. Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Wynn	22	22	Amer.	N. E. Parker	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Luna	22	22	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Frank	22	22	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
President Herrenschmidt	22	23	Nor.	Peechelbron	Antwerp, Belgium	La Libertad, Ecu.	Ballast	
Winkleigh	22	23	Brit.	Seaboard Ship. Co.	Barry, England	Vancouver, B. C.	Ballast	
Knoxville City	22	23	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Hilo, T. H.	Steel, gen.	2,672

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>6</sup> Yacht. <sup>7</sup> Transport. <sup>13</sup> For bananas and return to Cristobal. <sup>14</sup> Towing barge No. 205. <sup>15</sup> Cotton, scrap iron. <sup>16</sup> Fuel and Diesel oil. <sup>17</sup> Lubricating oil, cotton, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Oakworth <sup>2</sup>	23	23	Brit.	Canadian Transp. Co.	Galveston, Tex.	Victoria, B. C.	Sulphur, gen.	4,400
Telde	23	23	Hond.	United Fruit Co.	Mobile, Ala.	Pto. Arm'les, R.P.	Ballast	
Skramstad <sup>2</sup>	23	23	Nor.	Fern Line	St. John, N. B.	Yokohama, Japan	Iron, asbestos	7,138
Mobile City	23	23	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Tacoma, Wash.	Steel, gen.	6,586
Ferngleng <sup>2</sup>	23	23	Nor.	Fern Line	New York, N. Y.	Kamaichi, Japan	Scrap iron	8,209
Real <sup>2</sup>	22	23	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Alamoor	24	25	Brit.	Runciman Ship. Co.	S. Shields, Eng.	Vancouver, B. C.	Ballast	
Tregenna	24	24	Brit.	Hain S. S. Co.	Newp't News, Va.	Portland, Oreg.	Ballast	
King Idwal	23	24	Brit.	Dodd Thomson & Co.	Sunderland, Eng.	Brit. Columbia	Ballast	
Anglo Indian	23	24	Brit.	Canadian Transp. Co.	Halifax, N. S.	Brit. Columbia	General	2,065
Middlesex	24	24	Brit.	Federal Steam Nav. Co.	Glasgow, Scot.	Vancouver, B. C.	Ballast	
Rialto <sup>2</sup>	23	24	Ital.	Italia	Trieste, Italy	Vancouver, B. C.	General	309
Huncliffe	23	24	Brit.	Mitchell Cotts & Co.	Leith, Scotland	Vancouver, B. C.	Ballast	
Lt. Col. H. C. Schumm <sup>4</sup>	22		Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow barge	
L-53 <sup>5</sup>	17		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Chiriqui <sup>2</sup>	13	25	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Panama, R. P.	Ballast	
City of Winchester	24	25	Brit.	Amer.-Australian Line	Newp't News, Va.	Adelaide, Aust'lia	General	6,354
Pennsylvania	25	25	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General	2,342
Sorvard <sup>2</sup>	25	25	Nor.	Lauritz Kloster	New York, N. Y.	S. Francisco, Cal.	Ballast	
San Anselmo	24	25	Amer.	Quaker Line	Philadelphia, Pa.	Seattle, Wash.	General	4,358
Brisbane Star <sup>2</sup>	25	25	Brit.	Blue Star Line	Glasgow, Scot.	New Zealand	General	4,086
Dusseldorf <sup>2</sup>	25	25	Ger.	North German Lloyd	Hamburg, Ger.	Corral, Chile	General	4,848
Clio <sup>2</sup>	26	26	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Tumaco, Colom.	General	118
Trongate	25	26	Brit.	Redgate S. S. Co.	Norfolk, Va.	Tocopilla, Chile	Ballast	
Losmar	26	26	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	6,682
Crawford H. Ellis	25	26	Nor.	United Fruit Co.	Mobile, Ala.	Pto. Arm'les, R.P.	Ballast	
Point Salinas	26	26	Amer.	Gulf-Pacific Line	Antwerp, Belgium	Seattle, Wash.	General	5,748
Lebore	26	26	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Col. Riche <sup>5</sup>	18		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
President Pierce	27	27	Amer.	Dollar Line	Singapore, St. Set.	S. Francisco, Cal.	General	3,182
Wyoming	26	27	Fr.	French Line	Antwerp, Belgium	Vancouver, B. C.	(13) 2,830	
Dorothy Luckenbach	26	27	Amer.	Luckenbach Line	Providence, R.I.	Tacoma, Wash.	General	5,000
Ino <sup>2</sup>	25	27	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	210
Alva <sup>6</sup>	26	28	Amer.	W. K. Vanderbilt	New York, N. Y.	Perlas Is., R. P.	Ballast	
Ronda <sup>2</sup>	26	27	Nor.	Mitsui Bussan Kaisha	New York, N. Y.	Osaka, Japan	General	7,336
Martin Bakke <sup>2</sup>	27	27	Nor.	Knutsen Line	Limhamn, Swed.	Chile	Cement	850
Washingtonian	27	27	Amer.	Amer.-Hawaiian Line	New York, N. Y.	Portland, Oreg.	General	3,112
Santa	26		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Taura Rita <sup>2</sup>	25	28	Amer.	Grace Line	New York, N. Y.	Charanral, Chile	General	2,896
Mallard <sup>10</sup>			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Rotterdam <sup>1 2</sup>	27	28	Neth.	Standard Oil of N. J.	Aruba, N. W. I.	Tocopilla, Chile	Fuel oil	12,150
Deborah <sup>2</sup>	28	28	Pan.	Comision de Limites	Colon, R. P.	Panama, R. P.	Ballast	
Helm <sup>9</sup>	25	28	Amer.	U. S. Navy	Guantanamo, Cuba	Perlas Is., R. P.	Ballast	
Tai Ping Yang <sup>2</sup>	28	28	Nor.	Mitsui & Co.	New York, N. Y.	Moji, Japan	Scrap iron	8,214
Ferncliff <sup>2</sup>	28	28	Nor.	Chile Nit. Sales Corp.	Gulfport, Miss.	Tocopilla, Chile	Ballast	
Sandhamn <sup>2</sup>	28	28	Swed.	D/S A/S Ostlandet	Galveston, Tex.	Adelaide, Aust'lia	Sulphur	7,662
Cerigo	26	28	Ger.	Hamburg-Amer. Line	Cristobal, C. Z.	Guayaquil, Ecua.	General	104
Pereira	26	28	Pan.	Grace Line	Cristobal, C. Z.	Champico, Guat.	General	609
Uruguay <sup>2</sup>	27	28	Swed.	Johnson Line	Stockholm, Swed.	Valparaiso, Chile	Gen., cement	4,715
Trois Ilets	26	28	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	64
Karnt <sup>2</sup>	27	28	Nor.	Chile Nit. Sales Corp.	Glasgow, Scot.	Tocopilla, Chile	Ballast	
King Egbert <sup>2</sup>	28	28	Brit.	King Line, Ltd.	Pensacola, Fla.	N. Pacific coast	Ballast	
Col. Riche <sup>5</sup>	26		Amer.	U. S. Army	Cristobal, C. Z.	Gambo, C. Z.	Ballast	
Canadian Challenger	28	1	Brit.	Mont.-Aust.-N.Z. Line	Halifax, N. S.	Sydney, Australia	Newsprint	4,055
Pomona	28	1	Amer.	Pac. Coast Dir. Line	New York, N. Y.	Seattle, Wash.	General	4,556
Pastores	26	1	Amer.	United Fruit Co.	New York, N. Y.	Pto. Arm'les, R.P.	Ballast	
Pacific President <sup>2</sup>	28	1	Brit.	Furness, Withy & Co.	Glasgow, Scot.	Vancouver, B. C.	General	1,371
Wales Maru	28	1	Jap.	Kawasaki S. S. Co.	Pt. Tampa, Fla.	Osaka, Japan	Cotton, phos.	7,946
Somerville <sup>2</sup>	1	1	Nor.	Hasegawa & Co.	New York, N. Y.	Japan	Scrap iron	6,947
Sheafholme <sup>2</sup>	28	1	Brit.	Sheaf S. S. Co.	Sunderland, Eng.	Brit. Columbia	Ballast	
Floridian	1	1	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Seattle, Wash.	General	3,847
City of Wellington	1	1	Brit.	Mont.-Aust.-N.Z. Line	St. John, N. B.	Dunedin, N. Z.	General	4,381
Point Clear	1	1	Amer.	Gulf-Pacific Line	Houston, Tex.	Seattle, Wash.	Gen., steel	5,497
Chelsea	1	1	Brit.	Chile Nit. Sales Corp.	Hamburg, Ger.	Chile	Ballast	
Luna <sup>2</sup>	1	1	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Johilla	1	2	Brit.	Canadian Transp. Co.	Habana, Cuba	Los Angeles, Cal.	Ballast	
Istmo	27	2	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	450
Jefferson Myers	1	2	Amer.	Pacific-Atl. S. S. Co.	New York, N. Y.	Portland, Oreg.	General	4,226
Skjelbred <sup>2</sup>	2	2	Nor.	Kawasaki K. Kaisha	Baltimore, Md.	Japan	(13) 4,893	
Orotava	2	2	Hond.	United Fruit Co.	Mobile, Ala.	Pto. Arm'les, R.P.	Ballast	
Villanger <sup>2</sup>	2	2	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Mexican	2	2	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Tacoma, Wash.	General	2,553

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Tug. <sup>4</sup> Launch. <sup>5</sup> Yacht. <sup>6</sup> Yacht. <sup>7</sup> Destroyer. <sup>8</sup> Mine sweeper. <sup>9</sup> Destroyer. <sup>10</sup> Mine sweeper. <sup>11</sup> Coke, steel, general. <sup>12</sup> Scrap iron, general.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Kensington Court	2	2	Brit...	Seaboard Ship. Co...	Barry, England..	S. Francisco, Cal.	Ballast.....	.....
Schwannheim <sup>2</sup>	2	2	Ger...	North German Lloyd.	Tampico, Mexico	Adelaide, Aus'lia.	General.....	7,961
Elbe <sup>2</sup>	1	3	Ger...	North German Lloyd.	Hamburg, Ger...	Vancouver, B. C.	General.....	2,556
Real <sup>2</sup>	2	3	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	.....
Pirate <sup>3</sup>	2	3	Pan...	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>12</sup>	Ballast.....	20
Marore	2	3	Amer.	Ore S. S. Corp.	Baltimore, Md..	Cruz Gr'de, Chile	Ballast.....	.....
Gannet <sup>10</sup>	14	3	Amer.	U. S. Navy	Cristobal, C. Z.	Gamboa, C. Z.	Ballast.....	.....
Stonagate	2	4	Brit...	Seaboard Ship. Co.	Cardiff, Wales..	Vancouver, B. C.	Ballast.....	.....
Orduña	3	3	Brit...	Pacific Steam Nav.Co.	Liverpool, Eng.	Valparaiso, Chile.	Gen., sugar.	3,643
Aleli <sup>5</sup>	5	2	Pan...	L. Aurelius	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	.....
No. 101 <sup>5</sup>	5	2	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	.....
Santa Lucia	3	4	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General.....	3,154
Nankai Maru <sup>2</sup>	4	4	Jap...	Osaka Shosen Kaisha.	Boston, Mass...	Dairen, China...	Steel scrap.	6,941
Helga	4	4	Dan...	J. Lauritzen	New York, N. Y.	Valparaiso, Chile.	General.....	1,527
Niceto de Lar-rinaga.	3	4	Brit...	Canadian Transp. Co.	Fowey, England.	Vancouver, B. C.	China clay..	4,317
Raby Castle <sup>2</sup>	4	4	Brit...	Mitsui Line	Baltimore, Md..	Dairen, China...	Steel mach.	6,981
Julia Luckenbach.	4	4	Amer.	Luckenbach Line	Boston, Mass...	Los Angeles, Cal.	Gen., autos.	3,850
Anatina <sup>1</sup>	4	4	Phil...	Compania Maritima.	Newcastle, Eng.	Manila, P. I.	Ballast.....	.....
Imperial Monarch	4	4	Brit...	Anglo-Can. S. S. Co.	Cardiff, Wales..	Brit. Columbia.	Ballast.....	.....
King William <sup>2</sup>	4	4	Brit...	B. C. Ship. Agencies.	Barry, England..	Brit. Columbia.	Ballast.....	.....
Braganza <sup>2</sup>	18	4	Nor...	Ludv. G. Braathen.	Antilla, Cuba...	Los Angeles, Cal.	Ballast.....	.....
Birmingham City.	4	5	Amer.	Isthmian S. S. Lines.	Mobile, Ala...	Honolulu, T. H.	Sulphur, steel	8,437
L-53 <sup>5</sup>	24	3	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	.....
Col. Riche <sup>5</sup>	1	5	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	.....
Neuvo Panama <sup>2</sup>	1	5	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General.....	100
Clio <sup>2</sup>	3	5	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.....	119
Belita <sup>1</sup>	4	5	Nor...	Mitsubishi Shoji K...	Corpus Ch'i, Tex.	Japan	Crude oil...	9,619
L. A. Christensen. <sup>2</sup>	4	5	Nor...	Chile Nit. Sales Corp.	Charleston, S. C.	Antof gasta, Chile	Ballast.....	.....
Lihue	5	5	Amer.	Matson Nav. Co...	Baltimore, Md..	Hilo, T. H.	(14)	3,037
Minnesota	5	5	Amer.	Amer.-Hawaiian Line.	Boston, Mass...	Portland, Oreg...	General.....	2,815
Chilore	5	5	Amer.	Ore S. S. Corp.	Baltimore, Md..	Cruz Gr'de, Chile	Ballast.....	.....
American Reefer <sup>2</sup>	5	5	Amer.	J. Lauritzen	St. John, N. B...	Seattle, Wash...	Ballast.....	.....
Hermionthis <sup>2</sup>	5	5	Ger...	Hamburg-Amer. Line.	Hamburg, Ger...	Corral, Chile...	General.....	5,476
Frank <sup>3</sup>	1	5	Pan...	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>	Ballast.....	19
City of Canberra.	5	6	Brit...	Amer.-Australian Line	New York, N. Y.	Sydney, Australia	General.....	2,684
City of Lyons.	6	7	Brit...	Ellerman & Bucknall.	Baltimore, Md..	Dairen, China...	General.....	7,258
Sea Thrush	6	6	Amer.	Shepard S. S. Line.	Boston, Mass...	Seattle, Wash...	General.....	4,436
Nero <sup>2</sup>	3	6	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col...	General.....	18
Ciss	3	6	Nor...	Elliot Ship. & Land Co.	Cartagena, Col.	B'ventura, Col...	Salt, kerosene	1,210
San Clemente	5	6	Amer.	Quaker Line	New York, N. Y.	Tacoma, Wash...	General.....	3,139
Tamaroa	6	7	Brit...	Shaw, Savill & Albion	London, England	Wellington, N. Z.	General.....	4,640
Barneveld	4	6	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger...	Corral, Chile...	General.....	2,664
Thorshovdi <sup>1</sup>	6	7	Nor...	Anglo-Saxon Pet. Co.	London, England	Los Angeles, Cal.	Ballast.....	.....
La Union <sup>2</sup>	5	7	Pan...	A. Valdes	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	.....
M-14 <sup>5</sup>	5	7	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	.....
PAA-I-W <sup>5</sup>	5	7	Amer.	T. B. Rodenbough.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	.....
Elin K <sup>2</sup>	6	7	Nor...	Chile Nit. Sales Corp.	Wilmingon, N. C.	Chile	Ballast.....	.....
Lindenhall	6	7	Brit...	Australian Desp. Line.	Newport, Eng.	Vancouver, B. C.	Ballast.....	.....
Honolulu	7	7	Amer.	Chile Nit. Sales Corp.	Pensacola, Fla.	Tocopilla, Chile.	Ballast.....	.....
Thistleford	7	7	Brit...	Mersey Paper Co.	Liverpool, N. S.	Adelaide, Aus'lia.	Newsprint	4,139
Liberator	7	7	Amer.	Lykes Bros.-Ripley.	New Orleans, La.	Cebu, P. I.	Cotton, gen.	8,366
Selma City	7	7	Amer.	Isthmian S. S. Lines.	Portland, Me...	Tacoma, Wash...	Steel, gen.	4,409
Gannet <sup>10</sup>	3	8	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	.....
Winslow <sup>5</sup>	4	8	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	.....
Real <sup>2</sup>	6	8	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	.....
Acajutla	1	8	Brit...	Pacific Steam Nav.Co.	Cristobal, C. Z.	Champ'co, Guat.	General.....	411
Platano	7	8	Pan...	United Fruit Co.	New York, N. Y.	Pto. Arm'les, R.P.	Ballast.....	.....
Kano Maru <sup>2</sup>	7	8	Jap...	Kokusai Line	Philadelphia, Pa.	Kobe, Japan	(15)	7,633
Steelore	8	8	Amer.	Ore S. S. Corp.	Baltimore, Md..	Cruz Gr'de, Chile	Ballast.....	.....
Trois Ilets	5	8	Fr...	French Line	Cristobal, C. Z.	B'ventura, Col...	General.....	52
Malaya <sup>2</sup>	8	8	Dan...	East Asiatic Co.	Copenhagen, Den.	Seattle, Wash...	Ballast.....	.....
Bryne <sup>2</sup>	8	8	Nor...	Canadian Transp. Co.	Swansea, Wales.	Sta. Rosalia, Mex.	Cool	6,166
American	8	8	Amer.	Amer.-Hawaiian Line.	Boston, Mass...	Seattle, Wash...	General.....	1,783
Manizales	3	8	Ger...	North German Lloyd.	Cristobal, C. Z.	Guayaquil, Ecua.	General.....	308
Maria Cristina <sup>3</sup>	8	8	Pan...	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General.....	3
Pirate <sup>3</sup>	8	8	Pan...	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>	Ballast.....	20
Virgilio <sup>2</sup>	8	9	Ital.	Italia, S. A.	Genoa, Italy	Valparaiso, Chile.	General.....	986
President Adams	9	9	Amer.	Dollar Line	Boston, Mass...	Bombay, India	General.....	2,545
D. G. Scofield <sup>1</sup>	7	9	Amer.	Arrow Oil Co.	Houston, Tex...	S. Francisco, Cal.	Ballast.....	.....
Chiriqui <sup>2</sup>	8	9	Pan...	Elliot Ship. & Land Co.	Covenas, Colom.	Pedregal, R. P.	General.....	125
West Ira	8	9	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Seattle, Wash...	General.....	4,740
Hokonesan Maru <sup>2</sup>	8	9	Jap...	Osaka Shosen Kaisha.	Buenos Aires, Arg.	Moji, Japan...	Tinplate	7,858
Falcons	8	9	Brit...	Jinpi, Tokyo	Casablanca, Mor.	Japan	Phosphate	8,700
Masunda	8	9	Brit...	Canadian Transp. Co.	Barry, England..	Vancouver, B. C.	Ballast.....	.....
Rasma	8	9	Latv.	Chile Nit. Sales Corp.	Newport, Eng.	Chile	Ballast.....	.....
Ingersöks	9	9	Nor...	Chile Nit. Sales Corp.	Savannah, Ga.	Antof gasta, Chile	Ballast.....	.....

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>10</sup> Mine sweeper. <sup>13</sup> For bananas and return to Cristobal. <sup>14</sup> Automobiles, steel, general. <sup>15</sup> Rails, automobile parts, etc.



ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
San Ubaldo <sup>1</sup>	9	9	Brit...	Eagle Oil Co.	Pto. Mexico, Mex.	Valparaiso, Chile.	Petroleum...	7,369
H. N. Storey <sup>1</sup>	9	9	Amer.	Standard Oil of Calif.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
Chateau Thierry <sup>8</sup>	8		Amer.	U. S. Army	New York, N. Y.	Balboa, C. Z.	General	1,707
Lena Luckenbach	9	9	Amer.	Luckenbach Line	Houston, Tex.	Seattle, Wash.	General	5,073
Amagisan Maru <sup>2</sup>	9	9	Jap.	Mitsui Bussan Kaisha	New York, N. Y.	Moji, Japan.	Iron, steel	8,111
Amerikaland <sup>2</sup>	9	10	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Glaucus	9	9	Brit.	Alfred Holt & Co.	New York, N. Y.	Hongkong, China	General	4,400
Tricolor <sup>2</sup>	9	9	Nor.	Barber Line	New York, N. Y.	Moji, Japan.	(13)	5,021
Norfolk Maru	8	10	Jap.	Kawasaki K. Kaisha.	New Orleans, La.	Niihama, Japan.	Cotton, gen.	7,439
Frank <sup>3</sup>	9		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
El Ciervo <sup>1</sup>	10	10	Brit.	Lobitos Oilfields, Ltd.	Falmouth, Eng.	Ecuador	Ballast	
Santore	10	10	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Storstad <sup>1 2</sup>	9	10	Nor.	Standard Oil of N. J.	Aruba, N. W. I.	Iquique, Chile.	(14)	13,230
Hermion <sup>2</sup>	10	10	Nor.	K. Line.	Philadelphia, Pa.	Long Beach, Cal.	Ballast	
Canada <sup>2</sup>	10	10	Swed.	Johnson Line	Hango, Finland.	Vancouver, B. C.	Paper, gen.	2,230
Santa Maria <sup>2</sup>	10	11	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,729
Lobos <sup>2</sup>	10	11	Brit.	Pacific Steam Nav. Co.	Hull, England	Valparaiso, Chile.	General	2,500
No. 101 <sup>5</sup>	2		Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
L-53 <sup>5</sup>	4		Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Gen. Wm. M. Graham <sup>11</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	

PACIFIC TO ATLANTIC

Anadara <sup>1 2</sup>	10	11	Brit...	Anglo-Saxon Pet. Co.	S. Francisco, Cal.	Curacao, N. W. I.	Gasoline	11,802
Pennsylvania	11	11	Amer.	Weyerhaeuser S. S. Co.	Tacoma, Wash.	Norfolk, Va.	Lumber, gen.	7,381
Coquet <sup>2</sup>	6		Pan.	Richard S. Otto	San Diego, Calif.	Miami, Fla.	Ballast	
Nero <sup>2</sup>	11	13	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	(16)	436
Manizales	11	14	Ger.	North German Lloyd.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	836
King Frederick	11	11	Brit.	Canadian Transp. Co.	Crofton, B. C.	Hull, England	Wheat, lum.	7,984
Baarn	11	12	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	8,382
Aliakom	11	12	Greek.	Ventas de Salitre	Ant'agasta, Chile	Gibraltar <sup>15</sup>	Nit. of soda	7,568
Compadre <sup>2 6</sup>	7	13	Amer.	Lemont M. Cochran	Los Angeles, Cal.	Miami, Fla.	Ballast	
Clio <sup>2</sup>	11	13	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	338
Telde	12	12	Hond.	United Fruit Co.	Pto. Arml'es, R. P.	Mobile, Ala.	Bananas	692
Point Lobos	12	12	Amer.	Swayne & Hoyt	Seattle, Wash.	Tampa, Fla.	Lumber, gen.	6,200
Istmo	12	13	Pan.	Elliot Ship. & Land Co.	Tumaco, Col.	Cristobal, C. Z.	Coffee, gen.	653
West Notus	12	12	Amer.	McCormick S. S. Co.	Seattle, Wash.	New York, N. Y.	Lumber, gen.	7,066
Elg <sup>2</sup>	12	12	Nor.	Anglo-Can. S. S. Co.	Vancouver, B. C.	London, England	Lumber	6,000
Real <sup>2</sup>	12	13	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	41
Taira <sup>2</sup>	12	13	Pan.	Julio Laffargue	Darien, R. P.	Cristobal, C. Z.	Bananas	43
Marore	13	13	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Noto Maru <sup>2</sup>	12	13	Jap.	Nippon Yusen Kaisha	Keelung	New York, N. Y.	Oil, gen.	3,334
Chiriqui <sup>2</sup>	13	25	Pan.	Elliot Ship. & Land Co.	Panama, R. P.	Cristobal, C. Z.	Ballast	
Nyhaug <sup>2</sup>	12	13	Nor.	Statesmarine N. Y.	Darien, R. P.	Philadelphia, Pa.	Ore, gen.	5,816
Montanan	13	13	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	5,568
Berganger <sup>2</sup>	13	13	Nor.	Intercean S. S. Corp.	Seattle, Wash.	Rotterdam, Neth.	Grain, gen.	8,340
Rotorua	12	13	Brit.	N. Z. Shipping Co.	Lyttleton, N. Z.	Glasgow, Scot.	Frozen, gen.	6,831
Porto Bello <sup>2</sup>	12	13	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(17)	14
Chloe	13	14	Greek.	Chile Nit. Sales Corp.	Iquique, Chile	Azores <sup>15</sup>	Nit. of soda	8,270
Kosci Maru <sup>2</sup>	13	14	Jap.	Hiroumi Shoji Kaisha	Hoilo, P. I.	Baltimore, Md.	Sugar, gen.	8,862
Gannet <sup>4</sup>	14		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Pan Scandia <sup>1 2</sup>	14	14	Nor.	Standard Oil of N. J.	Talara, Peru	Aruba, N. W. I.	(18)	14,966
San Diego	14	14	Fr.	French Line	Vancouver, B. C.	Havre, France	General	6,886
Lancaster Castle	14	14	Brit.	U. S. Nit. Sales Corp.	Talta, Chile	Alexandria, Egypt	Nitrate	8,560
Chateau Thierry <sup>6</sup>	11	15	Amer.	U. S. Army	Balboa, C. Z.	New York, N. Y.	Army stores	19
Trecarrell	14	14	Brit.	Hain S. S. Co.	Albani, B. C.	London, England	Grain, lum.	7,350
Memphis City	14	14	Amer.	Isthmian S. S. Lines.	Pt. Allen, T. H.	Baltimore, Md.	(19)	4,146
Treherbert	14	14	Brit.	Seaboard Ship. Co.	Nanooose, B. C.	S'ampton, Eng.	Lum., wheat	7,023
L. A. Christensen	14	15	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Charleston, S. C.	Nit. of soda	7,678
Rhea <sup>1 2</sup>	14	15	Fr.	Cie. Auxiliaire de Nav.	Talara, Peru	Dunkerque, Fr.	Crude oil	11,125
Isthmian	15	15	Amer.	Continental Grain Co.	Portland, Oreg.	Cork, Ireland	Grain	9,534
Kishacoquillas <sup>1</sup>	15	16	Amer.	Com. Molasses Corp.	Kahului, T. H.	Mobile, Ala.	Molasses	7,760
Fortuna <sup>2</sup>	15	20	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	63
Abraham Lincoln <sup>2</sup>	15	16	Nor.	Fred Olsen & Co.	Vancouver, B. C.	Oslo, Norway	General	7,011
Nereus	15	15	Greek.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>15</sup>	Nitrate	8,850
Santa Lucia	14	15	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	4,717
Salvador	15	22	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	Coffee, gen.	983
Tropic Star	15	15	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Wilmington, N. C.	Nitrate	8,245
Lieut. Col. H. C. Schumm <sup>4</sup>	15	24	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Sona <sup>2</sup>	15	16	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	26
Chilore	16	16	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,600
Canada <sup>2</sup>	16	16	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den.	General	9,620
Vini <sup>2</sup>	16	16	Nor.	Kawasaki K. Kaisha	Kobe, Japan	New Orleans, La.	General	2,168
Texan	16	16	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	5,850

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>6</sup> Yacht. <sup>8</sup> Transport. <sup>11</sup> Mine planter.

<sup>12</sup> Scrap iron, general. <sup>14</sup> Fuel and Diesel oil. <sup>15</sup> For orders. <sup>16</sup> Coffee, hides, ivory nuts. <sup>17</sup> Plantains, lumber.

<sup>18</sup> Gasoline, kerosene. <sup>19</sup> Canned pineapples, canex.



PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Clatsop <sup>13</sup>	16	22	Amer.	U. S. Army	Portland, Oreg.	Philadelphia, Pa.	Ballast	.....
Sessa	16	16	Dan.	West Coast Line	Coronel, Chile	New York, N. Y.	General	2,676
Olney <sup>1</sup>	16	17	Amer.	Shell Oil Co.	Los Angeles, Cal.	Norfolk, Va.	Gasoline	9,159
Osnabruck <sup>2</sup>	17	17	Ger.	North German Lloyd.	Talcahuano, Chile	Hamburg, Ger.	General	5,861
Mataroa	17	18	Brit.	Shaw, Savill & Albion	Auckland, N. Z.	London, England	Frozen, gen.	4,158
Shestad <sup>2</sup>	17	17	Nor.	Fern Line	Manila, P. I.	Wilmington, N.C.	(15)	7,103
Winslow <sup>5</sup>	17	17	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	.....	.....
Andrea F. Luckenbach.	17	18	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	11,169
Norvik <sup>1 2</sup>	17	18	Pan.	Johna Rasmussen & Co.	Los Angeles, Cal.	Lands End <sup>14</sup>	Benzine	13,408
Arkansan.	18	18	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Baltimore, Md.	General	4,973
Platano	18	18	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	New York, N. Y.	Bananas, gen	1,237
Nero <sup>2</sup>	18	19	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee	270
Trois Hets	18	19	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	311
Ingersels.	18	18	Nor.	Chile Nit. Sales Corp.	Iquique, Chile	Savannah, Ga.	Nitrate	7,775
Istmo	18	20	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	(16)	655
Yorkmar	18	18	Amer.	Calmar S. S. Corp.	Seattle, Wash.	Baltimore, Md.	Copper, lum.	7,364
Salacia <sup>2</sup>	18	19	Brit.	Donaldson Bros., Ltd.	Vancouver, B. C.	Glasgow, Scot.	General	7,199
Hokuroku Mary <sup>2</sup>	18	19	Jap.	Osaka Shosen Kaisha	Kobe, Japan	Baltimore, Md.	General	2,340
Ino <sup>2</sup>	18	20	Neth.	Royal Neth. S. S. Co.	Guayaquil, Enea.	Cristobal, C. Z.	General	180
Kiyosumi Maru <sup>2</sup>	19	19	Jap.	Kokusai K. Kaisha	Manila, P. I.	Houston, Tex.	(17)	7,189
Jacob Luckenbach	19	19	Amer.	Luckenbach Line	Portland, Oreg.	Mobile, Ala.	General	5,093
Durazzo	19	21	Ger.	Hamburg-Amer. Line.	Guayaquil, Enea.	Cristobal, C. Z.	Coffee, gen.	885
Honululan	19	19	Amer.	Chile Nit. Sales Corp.	Tocepilla, Chile.	Pensacola, Fla.	Bulk nit	10,700
Orotava	19	19	Hond.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	505
Luna <sup>2</sup>	19	19	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(18)	18
Sona <sup>2</sup>	19	20	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	30
La Union <sup>2</sup>	19	20	Pan.	A. A. Valdes	Bayano, R. P.	Cristobal, C. Z.	Bananas	25
Taura <sup>2</sup>	19	20	Pan.	Julio Lafargue	Darien, R. P.	Cristobal, C. Z.	Bananas	42
Amerikaland <sup>2</sup>	19	20	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,600
San Simeon	19	20	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,082
Pacific Shipper <sup>2</sup>	18	20	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Glasgow, Scot.	General	8,602
Royal Star	20	21	Brit.	Blue Star Line	X. Westm'r, B. C.	Rotterdam, Neth.	Frozen, gen.	6,046
Elin K. <sup>2</sup>	20	20	Nor.	Chile Nit. Sales Corp.	Iquique, Chile	East coast, U.S.A.	Nit. of soda	8,323
Awata Maru <sup>2</sup>	20	20	Jap.	Nippon Yusen Kaisha	Nagasaki, Japan.	Hamburg, Ger.	General	5,750
Hawaiian	20	21	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	4,477
Virginia	21	22	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	7,666
Erlangen	21	23	Ger.	North German Lloyd.	Melbourne, Aust.	Baltimore, Md.	Flour	7,152
Pacific	21	22	Amer.	Weyerhaeuser S.S. Co.	Longview, Wash.	Boston, Mass.	Lumber, gen.	7,677
Umberleigh	22	22	Brit.	Anglo-Can. S. S. Co.	Victoria, B. C.	London, England	(19)	8,400
Santa Maria <sup>2</sup>	22	22	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	4,511
Huntress	22	22	Brit.	Chile Nit. Sales Corp.	Iquique, Chile	Alexandria, Egypt	Nitrate	8,200
Atutasan Maru <sup>2</sup>	22	22	Jap.	Mitsui Bussan Kaisha	Manila, P. I.	New York, N. Y.	General	7,970
Nebraskan	22	22	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	4,554
Real <sup>2</sup>	21	23	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	33
Lieut. Col. H. C. Schumm, <sup>4</sup>	22	24	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	Tow, barge.	.....
Sea Horse <sup>2</sup>	22	22	Amer.	N. E. Parker	Balboa, C. Z.	Cristobal, C. Z.	Ballast	.....
Buenos Aires <sup>2</sup>	22	23	Swed.	Johnson Line	La Union, Sal'dor	Goth'burg, Swed.	General	7,979
Orestes	22	23	Neth.	Royal Neth. S. S. Co.	Talcahuano, Chile	Hamburg, Ger.	General	4,417
Toulouse <sup>2</sup>	22	23	Nor.	Barber Wilhelmsen	Davao, P. I.	New York, N. Y.	General	7,228
Samuel Bakke <sup>2</sup>	23	23	Nor.	Knut Knutsen	Vancouver, B. C.	Belfast, Ireland	Lumber, gen.	6,947
Tatsuno Maru	23	23	Jap.	Nippon Yusen Kaisha	Manila, P. I.	New Orleans, La.	Sugar, gen.	8,364
Eridan <sup>2</sup>	23	24	Fr.	French Line	Noumea, N. Caled	Marseilles, Fr.	Coffee, gen.	3,645
Palatia <sup>2</sup>	23	24	Ger.	Hamburg-Amer. Line.	Corinto, Nic.	Hamburg, Ger.	General	3,002
Ar dangorm.	23	23	Brit.	Chile Nit. Sales Corp.	Tocepilla, Chile.	Pensacola, Fla.	Nit. of soda	8,424
Wildwood	23	24	Amer.	Amer.-For. S. S. Corp.	Tacoma, Wash.	New York, N. Y.	Lumber	6,760
Narenta	23	24	Brit.	Royal Mail Lines	Seattle, Wash.	Liverpool, Eng.	General	4,430
New Zealand Star <sup>2</sup>	24	24	Brit.	Blue Star Line, Ltd.	N. Plymouth, N.Z.	London, England	Frozen, gen.	8,502
Tarangor <sup>2</sup>	24	24	Nor.	Interocean S. S. Corp.	Seattle, Wash.	Rotterdam, Neth.	(20)	7,210
Trevcrbyn	24	24	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Liverpool, Eng.	(21)	7,654
Canadian	24	24	Amer.	Chile Nit. Sales Corp.	Valparaiso, Chile.	New York, N. Y.	Nit. of soda	8,100
Drecht'dijk <sup>2</sup>	24	25	Neth.	N. Pac. Coast Line.	N. Pac. Coast Line.	Rotterdam, Neth.	General	8,844
Jevington Court.	24	24	Brit.	Court Line, Ltd.	Pt. Alberni, B. C.	Manchester, Eng.	Wheat, lum.	7,209
General Wm. M. Graham, <sup>11</sup>	24	25	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	.....	.....
Musa	25	25	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	New York, N. Y.	Bananas	1,440
Clio <sup>2</sup>	25	26	Neth.	Royal Neth. S. S. Co.	Guayaquil, Enea.	Cristobal, C. Z.	Coffee, gen.	1,155
Lillian Luckenbach.	25	25	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen	7,634
Silverbelle <sup>2</sup>	25	25	Brit.	Silver Line	S. Francisco, Cal.	Calcutta, India.	General	6,178
Orazio <sup>2</sup>	25	26	Ital.	Italia S. A.	Valparaiso, Chile.	Genoa, Italy	Coffee	2,445
Ino <sup>2</sup>	25	27	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, skins	374
Barrington Court.	25	25	Brit.	Chile Nit. Sales Corp.	Antof gasta, Chile	Azores <sup>14</sup>	Nitrate	7,400
Phaeax	25	25	Greek	Phaeax Co.	Pt. Alberni, B. C.	Hull, England.	Wheat, lum.	10,628
Winslow <sup>6</sup>	25	25	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow, barge.	.....

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Tug. <sup>4</sup> Launch. <sup>5</sup> Mine planter. <sup>6</sup> Dredge. <sup>7</sup> For orders. <sup>8</sup> Chrome ore, sugar, lumber. <sup>9</sup> Coffee, medicine. <sup>10</sup> Sugar, silk, general. <sup>11</sup> Plantains, lumber. <sup>12</sup> Zinc, concentrates, lumber. <sup>13</sup> Wheat, logs, general. <sup>14</sup> Wheat, lumber, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Charles Christenson	25	26	Amer.	Arrow Line	Aberdeen, Wash.	Boston, Mass.	Lumber	7,500
Seattle <sup>2</sup>	26	27	Ger.	Hamburg-Amer. Line	Vancouver, B. C.	Hamburg, Ger.	General	7,600
Pereira	25	28	Pan.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General	918
Telde	26	26	Hond.	United Fruit Co.	Pto. Arm'les, R. P.	Mobile, Ala.	Bananas	842
Roxen	25	26	Swed.	Transatlantic S. S. Co.	Pt. Pirie, Aust'lia	Newcastle, Eng.	Lead, gen.	7,702
Salamaua <sup>2</sup>	25	28	Brit.	Desikoko Co.	Rabaul, N. Guinea	Rotterdam, Neth.	Ore, copra	7,750
Cerigo	26	28	Ger.	Hamburg-Amer. Line	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	1,176
Trois Ilets	26	28	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	289
Evinos	26	26	Greek	Chile Nit. Sales Corp.	Iquique, Chile	Azores <sup>13</sup>	Nitrate	8,300
S-45 <sup>7</sup>	26	26	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Ferdale <sup>2</sup>	26	26	Nor.	Fearnley & Eger	Mambagui, P. I.	N. Atl. ports, U.S.	Sugar	7,400
Tuira <sup>2</sup>	26	27	Pan.	Julio Lafargue	Darien, R. P.	Cristobal, C. Z.	Bananas	54
Firmore	26	27	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	15,000
Emergency Aid	26	27	Amer.	Seaboard Ship. Co.	Englewood, B. C.	Boston, Mass.	Lumber	7,750
Nordnes	26	27	Nor.	Canadian Transp. Co.	Vancouver, B. C.	Newcastle, Eng.	Lumber	7,217
El Aleto <sup>1 2</sup>	27	27	Brit.	C. T. Bowring & Co.	Cabo Bl'co, Peru.	Cobh, Ireland	Crude oil	10,081
Sage Brush	27	27	Amer.	Shepard S. S. Co.	Pt. Angeles, Wash.	Boston, Mass.	Lumber, gen.	7,721
Asuka Maru <sup>2</sup>	27	27	Jap.	Nippon Yusen Kaisha	Kobe, Japan	Boston, Mass.	Sugar, gen.	8,214
Istmo	27	2	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	656
Luna <sup>2</sup>	27	1	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(14)	20
Carolinian	27	28	Amer.	Amer.-Hawaian Line	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	7,810
Santa Inez <sup>2</sup>	28	28	Amer.	Grace Line	Chanaral, Chile.	New York, N. Y.	General	3,547
Cornwallis	28	28	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Wilmington, N. C.	Nitrate	7,960
Port Montreal <sup>2</sup>	28	1	Brit.	M. A. N. Z. Line	Noumea, N. Caled	Halifax, N. S.	General	6,411
Maggie Sail	27	1	Amer.	Jas. M. Young	Miraflores, C. Z.	Balboa, C. Z.	Ballast	
Bordeaux Maru	28	1	Jap.	"K" Line	Mamila, P. I.	Houston, Tex.	Silk, gen.	5,821
Nuevo Panama <sup>2</sup>	28	5	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	108
Marpesia	28	1	Nor.	N. Atl. & Gulf Co.	Callao, Peru.	Manzanillo, Cuba	Ballast	
Babbitt <sup>9</sup>	1	1	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Cape Nelson	1	1	Brit.	Chile Nit. Sales Corp.	Iquique, Chile	Charleston, S. C.	Nitrate	6,275
Acajutla	1	8	Amer.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	General	605
San Jose	1	2	Fr.	French Line	Vancouver, B. C.	Havre, France.	General	6,519
Iddesleigh	1	1	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Immingham, Eng.	Grain, lum.	9,150
Steel Maker	1	1	Amer.	Isthmian S. S. Lines.	S. Francisco, Cal.	Baltimore, Md.	Lumber, gen.	6,658
Gryfevale	1	1	Brit.	Chile Nit. Sales Corp.	Antof'gasta, Chile	Azores <sup>13</sup>	Nit. of soda	7,680
Charleston <sup>12</sup>	1	1	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Frank <sup>2</sup>	1	5	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	36
Real <sup>2</sup>	1	2	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	39
Louisianan	1	2	Amer.	Chile Nit. Sales Corp.	San Antonio, Chile	Baltimore, Md.	Copper, nit.	8,290
Mallard <sup>4</sup>	2	1	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Washington Express <sup>2</sup>	1	2	Nor.	Fruit Express Line	Seattle, Wash.	Glasgow, Scot.	Fresh fruit	2,100
Dakotan	2	2	Amer.	Amer.-Hawaian Line	Los Angeles, Cal.	Boston, Mass.	General	7,357
Point Caleta	2	2	Amer.	Swayne & Hoyt	Seattle, Wash.	Mobile, Ala.	General	6,402
Pacific Pioneer <sup>2</sup>	1	2	Brit.	Furness, Withy & Co.	Victoria, B. C.	Glasgow, Scot.	(15)	8,848
Montgomery City	2	3	Amer.	Isthmian S. S. Lines.	Portland, Oreg.	Avonmouth, Eng.	General	8,060
Alpha <sup>5</sup>	2	3	Amer.	James B. Ernest	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Kaimata <sup>2</sup>	27	3	Brit.	M. A. N. Z. Line	Lyttleton, N. Z.	Halifax, N. S.	General	1,228
Chio <sup>2</sup>	3	5	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	General	388
Marna	3	3	Dan.	J. Lauritzen	Iquique, Chile	New York, N. Y.	(16)	2,550
Minerva <sup>2</sup>	3	3	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Charleston, S. C.	Nit. of soda	9,370
Manizales	3	8	Ger.	North German Lloyd	Guayaquil, Ecu.	Cristobal, C. Z.	General	1,128
Este	3	4	Ger.	North German Lloyd	Vancouver, B. C.	Bremen, Ger.	General	8,937
President Herrenschmidt <sup>1 2</sup>	3	3	Nor.	Pechelbronn	La Libertad, Ecu.	Donges, France.	Crude oil	13,143
Margaret Johnson <sup>2</sup>	3	4	Swed.	Johnson Line	Vancouver, B. C.	Stockholm, Swed.	General	5,819
Dresden <sup>2</sup>	3	4	Ger.	North German Lloyd	Corral, Chile.	Hamburg, Ger.	General	6,737
Nako Maru <sup>2</sup>	3	4	Jap.	Nippon Yusen Kaisha	Keelung, Japan.	Baltimore, Md.	General	2,004
Mathew Luckenbach	3	4	Amer.	Luckenbach-Gulf Co.	Portland, Oreg.	Mobile, Ala.	General	4,370
San Vincente	3	4	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,658
Wind <sup>2</sup>	4	4	Nor.	Comp. Gen. de Tabacos	Iloilo, P. I.	New York, N. Y.	Sugar	7,250
Kyphissia	4	6	Ger.	Hamburg-Amer. Line	Champ'ico, Guat.	Hamburg, Ger.	Coffee, gen.	2,457
Chiriqui <sup>2</sup>	4	4	Pan.	United Fruit Co.	Panama, R. P.	Covenas, Colom.	Ballast	
Pastores	4	4	Amer.	United Fruit Co.	Pto. Arm'les, R. P.	New York, N. Y.	Bananas	1,399
Newton Beech	4	4	Brit.	Ridley, Son & Tully.	Vancouver, B. C.	Liverpool, Eng.	General	7,010
Geisha <sup>2</sup>	4	4	Nor.	Scand. S. Pac. Line	Valparaiso, Chile.	Goth'burg, Swed.	General	6,724
Winslow <sup>5</sup>	4	4	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Nero <sup>2</sup>	1	6	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	391
Orotava	5	5	Hond.	United Fruit Co.	Pto. Arm'les, R. P.	Mobile, Ala.	Bananas	8,000
Gregalia	5	5	Brit.	Donaldson Bros.	Vancouver, B. C.	Glasgow, Scot.	General	7,159
Trois Ilets	5	8	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	167
Luna <sup>2</sup>	5	5	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(14)	7
La Union <sup>2</sup>	5	6	Pan.	A. A. Valdes	Bayano, R. P.	Cristobal, C. Z.	Bananas	20
Bethore	6	6	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,200
Erria <sup>2</sup>	6	6	Dan.	E. Nielsen	Los Angeles, Cal.	Copenhagen, Den	General	6,652

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>7</sup> Submarine. <sup>9</sup> Destroyer. <sup>12</sup> Cruiser. <sup>13</sup> For orders. <sup>14</sup> Plantains, lumber. <sup>15</sup> Fresh fruit, general. <sup>16</sup> Nitrate, beans, garlic.

## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Paul Harnett <sup>1</sup> 2	5	6	Ger...	Standard Oil of N. J.	Talara, Peru...	Hamburg, Ger...	Gasoline....	13,963
Nordhval <sup>2</sup>	5	6	Dan...	W. I. Trading Co...	Manila, P. I....	New Orleans, La.	Sugar.....	7,750
African Reefer <sup>2</sup>	6	6	Dan...	J. Lauritzen.....	Los Angeles, Cal.	Rotterdam, Neth.	Oranges....	1,818
Kansan	6	6	Amer...	Amer.-Hawaiian Line.	Portland, Oreg...	Boston, Mass....	General....	7,425
Reina del Pacifico <sup>2</sup>	5	7	Brit...	Pacific Steam Nav.Co.	Valparaiso, Chile.	Liverpool, Eng.	General....	5,194
Real <sup>2</sup>	6	7	Pan...	Elliott Ship & Land Co.	Panama, R. P....	Cristobal, C. Z.	Drums.....	36
Trojan Star	7	7	Brit...	Blue Star Line.....	Auckland, N. Z.	London, England	Frozen gen.	5,767
Edwin Christenson.	6	7	Amer...	Canadian Gulf Line..	Powell Riv., B. C.	Houston, Tex....	( <sup>15</sup> )	6,771
Tacoma Star.....	6	7	Brit...	Blue Star Line.....	N. West'm'er, B.C.	Newcastle, Eng.	Frozen gen.	5,567
Navarino	7	7	Brit...	Glasgow Shipowners.	Vancouver, B. C.	London, England	Lum., wheat.	8,740
Philante <sup>2</sup>	5	7	Brit...	T. O. M. Sopwith....	Puerto Jimenez.	S'ampton, Eng...	Ballast.....	.....
Istmo.....	7	7	Pan...	Elliott Ship & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, steel	661
Gera.....	7	7	Ger...	Hamburg-Amer. Line.	Wellington, N. Z.	Lands End <sup>14</sup> ....	Wool, hides.	1,200
Port Jackson <sup>2</sup>	7	7	Brit...	Port Line.....	Wellington, N. Z.	London, England	General....	7,684
Anna Maersk <sup>2</sup>	7	8	Dan...	A. P. Moller.....	Cebu, P. I.....	Baltimore, Md...	General....	5,504
Myoko Maru <sup>2</sup>	6	7	Jap...	Mitsui Line.....	Hoilo, P. I.....	New York, N. Y.	Silk, general.	6,810
California	7	8	Amer...	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General....	7,964
Schlesien <sup>13</sup>	7	8	Ger...	German Government.	Valparaiso, Chile.	Wilhelmsh'n, Ger.	.....	.....
Mayan.....	8	8	Amer...	Grace Line.....	Champ'ico, Guat.	Cristobal, C. Z.	General....	1,265
Gypsum Queen..	8	8	Brit...	Chile Nit. Sales Corp.	Tocopilla, Chile.	Wilmington, N.C.	Nitrate....	6,300
Horace Luckenbach.	7	8	Amer...	Luckenbach Line....	Seattle, Wash...	Boston, Mass....	General....	8,588
Bodegraven.....	8	9	Neth...	Royal Neth. S. S. Co.	Corral, Chile...	Hamburg, Ger...	General....	8,218
Fortuna <sup>2</sup>	8	9	Pan...	Elliott Ship & Land Co.	Darien, R. P....	Cristobal, C. Z.	Bananas....	83
Wave <sup>2</sup>	8	9	Nor...	Yamashita K. Kaisha	Kobe, Japan....	Buenos Aires, Arg.	General....	2,329
Hollywood.....	8	8	Amer...	McCormick S. S. Co.	Seattle, Wash...	Philadclphia, Pa.	Lumber, gen.	7,024
Ahtio <sup>2</sup> 6	7	11	Eston	Charles Jencks.....	Galapagos.....	New York, N. Y.	Ballast.....	.....
Texmar.....	8	8	Amer...	Calmar S. S. Corp...	Longview, Calif.	Philadelphia, Pa.	Lumber....	6,671
Rudolf Albrecht <sup>1</sup>	7	8	Ger...	German Navy.....	Buenos Aires, Arg.	Wilhelmsh'n, Ger.	Fuel oil....	1,100
Tennessean.....	8	9	Amer...	Amer.-Hawaiian Line.	Portland, Oreg...	Baltimore, Md...	General....	7,064
Primero <sup>2</sup>	9	9	Nor...	Chile Nit. Sales Corp.	Iquique, Chile..	Savannah, Ga...	Nitrate....	7,760
Hegira.....	9	9	Amer...	Weyerhaeuser S. S. Co.	S. Francisco, Cal.	Norfolk, Va....	Lumber, gen.	10,500
Arizona	9	10	Fr...	French Line.....	Talcahuano, Chile	Havre, France..	General....	7,953
Sinnington Court.	8	9	Brit...	Canadian Transp. Co.	Vancouver, B. C.	Garston, England	Lumber....	8,026
Republic <sup>2</sup>	8	10	Amer...	U. S. Army.....	Honolulu, T. H.	New York, N. Y.	Army stores.	314
Norse King.....	8	9	Nor...	Odd Godager.....	Victoria, B. C...	Immingham, Eng.	Lumber....	7,500
Zacapa.....	10	10	Amer...	United Fruit Co....	S. Francisco, Cal.	Mobile, Ala....	Ballast.....	.....
San Calisto <sup>1</sup> 2	10	10	Brit...	Eagle Oil & Ship. Co.	Los Angeles, Cal.	Lizard, Eng. <sup>14</sup> ..	Gasoline...	11,058
Gretavale.....	10	11	Brit...	Chile Nit. Sales Corp.	Iquique, Chile..	Gibraltar <sup>14</sup> ....	Nitrate....	7,438

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>6</sup> Yacht. <sup>8</sup> Transport. <sup>13</sup> Training ship. <sup>14</sup> For orders. <sup>15</sup> Newsprint, shingles.

### Comparison of Traffic at the Suez and Panama Canals for the First Seven Months of the Fiscal Years 1937 and 1938

The following is a comparison of traffic at the Suez and Panama Canals for the first seven months of the fiscal years 1937 and 1938:

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1936-7	1937-8	Increase	Decrease	1936-7	1937-8	Increase	Decrease
July.....	466	551	18.2	.....	456	457	0.2	.....
August.....	471	532	13.0	.....	473	505	6.8	.....
September.....	479	522	9.0	.....	466	444	.....	4.7
October.....	490	557	13.7	.....	482	461	.....	4.4
November.....	511	525	2.7	.....	368	435	11.8	.....
December.....	508	541	6.5	.....	341	439	28.7	.....
January.....	575	543	.....	5.6	399	444	11.3	.....
Total.....	3,500	3,771	10.8	.....	2,985	3,185	6.7	.....

### Current Net Prices on Fuel Oil and Diesel Oil

Bunker fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal. Prices will be furnished on application.

Bunker fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Fuel oil, \$1.10 per barrel at Cristobal and Balboa; Diesel oil, \$2.00 per barrel at Cristobal and Balboa.



**Revised Measurement System**

Effective March 1, 1938, in conformity with the provisions of recent legislation, the new Rules of Measurement and Rates of Toll became the sole basis of determining tolls charges for transit of the Panama Canal, nullifying the dual system under which tolls were formerly assessed.

Every effort is being made by the Canal authorities to derive the tonnage under the new rules with as little delay as possible to shipping using the Canal. For the purpose of facilitating this work the admeasurement force has been temporarily increased.

In this connection the following supplement to Tariff No. 12 became effective March 1, 1938:

**Supplement No. 9 to Tariff No. 12—Item 3, Tolls**

(Effective March 1, 1938)

BALBOA HEIGHTS, C. Z., February 12, 1938.

Revised in accordance with the President's Proclamations No. 2247, August 25, 1937, and 2249, August 31, 1937, as follows:

For the use of the Panama Canal—

1. Complete transit (one way)—

(a) Merchant vessels, yachts, army and navy transports, colliers, hospital ships, and supply ships, when carrying passengers or cargo—

Per net vessel-ton of 100 cubic feet each of actual earning capacity—that is, the net tonnage determined in accordance with the Rules for the Measurement of Vessels for the Panama Canal----- \$0.90

Note.—Under the Act approved August 24, 1937 (50 Stat. 750, U. S. C. title 48, sec. 1315), the rate of tolls on laden vessels shall not exceed \$1.00 nor be less than 75 cents per net vessel-ton determined in accordance with the Rules for the Measurement of Vessels for the Panama Canal.

(b) Vessels in ballast without passengers or cargo—

Per net vessel-ton----- .72

(c) Other floating craft, including warships, other than transports, colliers, hospital ships, and supply ships—

Per ton of displacement----- .50

2. Part transit—

Vessels returning from Gatun Lake to original point of entry into the Canal, without passing through the locks at the other end, are charged tolls for one passage only.

3. Free transit—

Vessels transiting the Panama Canal by prearrangement from Cristobal to Balboa and return for the sole purpose of having repairs made at Balboa drydock and shops will be exempt from payment of tolls, but a charge will be made for pilotage and for handling lines as provided for in the current tariff or supplements thereto.

GLEN E. EDGERTON,

*Acting Governor, The Panama Canal,*

*2d Vice President, Panama Railroad Company.*

**Ships' Chandlery Supplies**

Panama Canal Storehouses carry a complete line of ships' chandlery supplies available for sale to ships at stock price cost plus 20 percent surcharge which covers local freight, handling, and other costs.

**Postal and Telegraphic Address of The Panama Canal**

The postal address is, "The Panama Canal, Balboa Heights, Canal Zone," or "The Panama Canal, Washington, D. C."

Mail for ships passing through the Canal or touching at either of the terminal ports should be addressed to "Cristobal, Canal Zone."

The cable and radio address of The Panama Canal, on the Isthmus, is "Pancanal, Panama;" in the United States, "Pancanal, Washington."



## Notice to Steamship Owners and Agents

BALBOA HEIGHTS, C. Z., February 23, 1938.

SUBJECT: INCREASE IN FUEL ALLOWANCE FOR VESSELS IN BALLAST

By Executive Order No. 7813 of February 14, 1938, effective March 1, 1938, the President amended Rule 16 of Executive Order No. 4314, governing navigation of the Panama Canal and adjacent waters. Pursuant to the said amendment to Rule 16, the following regulations for vessels in ballast are hereby prescribed effective March 1, 1938, and shall on that date supersede the regulations on the same subject set forth in the Notice to Steamship Owners and Agents dated April 5, 1932 and in the Panama Canal pamphlet entitled Measurement of Vessels, 1938 Edition (page 7):

1. In order for a vessel to secure the reduced or ballast rate for transit of the Panama Canal there must be on board no passengers or cargo of any description in any quantity whatsoever and the amount of coal or other fuel on board for the vessel's own consumption must not exceed in volume 125 percent of the volume of its engine room as measured and as shown on page 2 of the Panama Canal Tonnage Certificate.

2. On arrival vessels must have ready a statement of the fuel account to which the Master may be required to take oath. Coal carried outside of the regular bunkers as well as that carried in the bunkers should be so arranged as to be readily measured.

3. In any case in which the amount of fuel on board exceeds the allowance the vessel will be charged the laden rate and masters of vessels that wish to benefit by the reduced or ballast rate should be careful not to have on board at time of arrival more fuel than the permissible amount as stated in paragraph 1 above.

4. The allowance of bunker fuel for the ballast rate will be computed at 40 cubic feet per long ton of coal or 38 cubic feet per long ton of oil. The amount of the fuel allowance in long tons will be found at the bottom of page 2 of the Panama Canal Tonnage Certificate.

5. This increase in the fuel allowance for vessels in ballast does not in any way affect the deduction for Propelling Power or the Panama Canal Net Tonnage on which tolls charges are determined.

GLEN E. EDGERTON,  
*Acting Governor.*

### Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices, including the 20 percent surcharge, to individuals and companies, as of February 28, 1938:

Commodities	Unit	Price
Brass, bar, average.....	Lb.	\$0.23
Brass, sheet, average.....	Lb.	.30
Bronze, Tobin, average.....	Lb.	.22
Gasoline, motor grade.....	Gal.	.105
Metal, yellow.....	Lb.	.26
Oakum, Navy, spun.....	Lb.	.19
Oakum, Navy, unspun.....	Lb.	.18
Oil, gun and ice machine.....	Gal.	.28
Oil, burning, Colza.....	Gal.	1.02
Oil, engine, gas, light, in drums, No. 2135.....	Gal.	.24
Oil, engine, gas, extra heavy, in cases, No. 2250.....	Gal.	.32
Oil, engine, gas, extra heavy, in drums, No. 2250.....	Gal.	.28
Oil, kerosene, in drums.....	Gal.	.10
Oil, marine, engine.....	Gal.	.38
Paint, lead, white, dry.....	Lb.	.11
Paint, lead, white, in oil.....	Lb.	.12
Paint, zinc oxide, dry.....	Lb.	.08
Paint, zinc oxide, in oil.....	Lb.	.12
Grease, gear, chain and wire rope, lubricating.....	Lb.	.05
Grease, yellow, cup, No. 3, medium.....	Lb.	.06
Grease, yellow, cup, No. 3, hard.....	Lb.	.07
Soda, ash.....	Lb.	.03
Waste, cotton, colored.....	Lb.	.12
Waste, cotton, white.....	Lb.	.13

## Coal

Coal, bunker, U. S. Navy Standard Pool No. 1, run-of-mine, Pocahontas, or New River, is supplied to steamships, including warships of all nations, trimmed in bunkers at the following prices, per ton of 2,240 pounds: Cristobal, first 250 tons, \$7.75 per ton; second 250 tons, \$7 per ton; balance over 500 tons, \$6.50 per ton. Balboa, first 250 tons, \$10.75 per ton; second 250 tons, \$10 per ton; balance over 500 tons, \$9.50 per ton.

Extra charges are made in accordance with a published tariff for special trimming at the request of the officers of the ship, for galley, lump, or run-of-mine coal in sacks, and for delivery, when coal is furnished from lighters or launches away from the coaling piers.

Coal can be bunkered by bunkering machines at any rate up to 1,500 tons per hour, regulated by the amount of necessary trimming.

Coal for cargo is sold under the same conditions and at prices quoted for sale of coal for bunkers.

## Lubricating Oils

The following is a list of the different kinds of lubricating oil carried in stock at Panama Canal storehouses, and a brief description of each of the oils with a statement of the purpose for which it is generally used.

Requisitions and orders for oils placed with the storekeepers should state the name (including number, if any) of the oil desired exactly as given on the following list:

### STATEMENT OF STANDARD LUBRICATING OILS AND THEIR USES

#### OILS, FORCE FEED AND MOTOR CYLINDER

*Medium, No. 2135.*—A medium oil for the lubrication of main turbines not driving through reduction gears, dynamos, and small internal combustion engines. Not to be used for steam cylinder lubrication.

*Heavy, No. 2190.*—A heavy oil that will separate quickly from water. For the lubrication of turbines with reduction gears, medium size internal combustion engines, and forced feed on main engines. A heavy bodied oil for use on auxiliary equipment.

*Extra heavy, No. 2250.*—An extra heavy oil for the lubrication of medium size internal combustion engines, power cylinders, air compressors, and bearings of Diesel engines.

*Ultra heavy, No. 2310.*—An ultra heavy oil for the lubrication of power cylinders, air compressors, and bearings of large Diesel engines.

*Tractor, heavy, No. 3100.*—A very heavy body oil for aircraft engines, high speed gasoline engines, motor trucks, motor boats, motor cycles, and Diesel engines S. A. E.-50.

*Diesel engine lubricating.*—For Diesel engines.

#### OILS, MISCELLANEOUS

*Ammonia cylinder (gun and ice machine grade No. 125).*—A refined petroleum oil without the admixture of fatty oils, resins, soap, or other compounds not derived from petroleum. For the lubrication of the cylinders of ice machines, pneumatic tools, and hydraulic systems.

*Car and locomotive.*—A lubricant on journals of all cars, passenger coaches, steam and electric locomotives.

*Castor.*—Grade "A." Used for lubricating purposes of the highest grade.

*Cutrite, soluble cutting.*—A mixture of soluble alkali soap in mineral and fixed saponifiable oils. For use in turret lathes and bolt machines.

*Fish.*—Used as a rust preventative and for tempering.

*Lard.*—For use on pipe cutting and threading machines.

*Insulating.*—Switch (Electrical Division).

*Insulating.*—Transformer (Electrical Division).

*Lubricant (gear, chain and wire rope).*—For lubrication and protection of chains, wire rope, and gears of cranes, dredges, steamshovels, etc.

*Machine, odorless.*—For use on typewriters.

*Marine engine, No. 4065, compounded.*—A compound of mineral with vegetable oil for the lubrication of reciprocating engines and auxiliaries where oiling is done by hand or through Wick feed or drop oilers, also for thrust bearings. Must not be used for circulating of forced feed systems.

*Mineral steam cylinder, No. 5150.*—For use on reciprocating steam engines using dry saturated steam. For noncondensing steam engine cylinder lubrication (valve oil).

*Mineral steam cylinder, superheated.*—For use on reciprocating steam engines using superheated steam.

*Neatsfoot.*—For softening and preserving leather.

*Solvent.*—Rust-preventing lubricant, for general use.

*Sperm.*—Used principally by U. S. Navy.

### Hours of Departure of Passenger Trains

Following are the hours of departure of the regular passenger trains of the Panama Railroad running between the Atlantic and the Pacific sides:

From Colon: Daily, 7:25 a. m.; 11 a. m.; 5 p. m.; 10 p. m.

From Panama: Daily, 7:10 a. m.; 1:10 p. m.; 5 p. m.; 7:55 p. m.

The time required for passage from one terminal to the other is 1 hour and 25 minutes.

### Binders for The Panama Canal Record

Cardboard covers, punched and fitted with brass fasteners forming binders for THE PANAMA CANAL RECORD are offered for sale at 25 cents a set, for the benefit of those who wish to keep a file of the issues for ready reference. Orders may be addressed to The Panama Canal, Balboa Heights, Canal Zone, or The Panama Canal, Washington, D. C.

**Official Publications of Interest to Shipping**

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of the Panama Canal and Adjacent Waters," and the current tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C.Z.; or, when more convenient, to The Panama Canal, Washington, D.C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa, a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

**Information from American Consuls**

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

**Location of Patients and Visiting Hours at Gorgas Hospital**

The following table shows the distribution of patients in the Gorgas Hospital buildings and the visiting hours for the various wards and sections:

Section and Ward	Visiting Hours
Section "A:"	Wards: Tuesdays, Thursdays, and Saturdays, 2:30 to 4:30 p. m.; 6:30 to 7:30 p. m. Sundays and holidays, 9:30 to 11:30 a. m.; 2:00 to 4:00 p. m. Private rooms: Same as Section "B."
Ward 2.....	
Ward 3.....	
Ward 4, Private rooms.....	
Section "B:"	Daily, 9:30 to 11:00 a. m.; 2:00 to 4:30 p. m.; 6:30 to 8:00 p. m. No visitors permitted in nursery.
Ward 5, Male, private rooms, American boys.....	
Ward 6, Foreign, male and female, private rooms, American girls.....	
Ward 7, White female, private rooms.....	
Ward 8, Obstetrical department, white females..... Nursery.....	
Section "C:"	Colored wards: Wednesdays, Fridays, Sundays, and holidays, 1:00 to 2:30 p. m. Visitors from Atlantic Side may remain until 3:00 p. m. Tuesdays, Thursdays, Saturdays, 2:30 to 4:30 p. m.; 6:30 to 7:30 p. m. Sundays and holidays, 9:30 to 11:00 a. m.; 2:30 to 4:30 p. m.; 6:30 to 7:30 p. m.
Ward 9, Colored, male.....	
Ward 10, White foreign, male.....	
Ward 11, Colored, male (surgical).....	
Ward 12, Colored, male (medical).....	
Ward 13, Colored, male, G. U..... Ward 14, White, male, G. U.....	
Section "D:"	Tuesdays, Thursdays, Saturdays, 2:30 to 4:30 p. m.; 6:30 to 7:30 p. m. Sundays and holidays, 9:30 to 11:00 a. m.; 2:30 to 4:30 p. m.; 6:30 to 7:30 p. m. Wednesdays, Fridays, Sundays, and holidays, 1:30 to 3:00 p. m. Daily, 9:30 to 11:00 a. m.; 2:00 to 4:30 p. m. Wednesdays, Fridays, Sundays and holidays, 1:00 to 2:30 p. m. Visitors from Atlantic Side may remain until 3:00 p. m. No visitors permitted except adults to visit tuberculosis patients, Thursdays, Sundays and holidays, 1:30 to 3:00 p. m.
Ward 15, American, male (surgical).....	
Ward 16, American, male (medical).....	
Ward 17, Colored children.....	
Ward 18, White children.....	
Ward 19, Colored, female (medical)..... Ward 20, Colored, female, surgical, obstetrical.....	
Isolation section.....	No visitors permitted except adults to visit tuberculosis patients, Thursdays, Sundays and holidays, 1:30 to 3:00 p. m.

Permission to visit outside of visiting hours may be granted upon application to the Superintendent's office.

Immediate relatives of seriously ill patients will be admitted at any time by and in the discretion of the attending physician, section nurse, and in her absence, the nurse in charge.

# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.



*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXI

Balboa Heights, C. Z., April 15, 1938

No. 9

## Traffic Through the Panama Canal in March 1938

The total vessels of all kinds transiting the Panama Canal during the month of March 1938, and for the same month in the two preceding years, are shown in the following tabulation:

	March 1936	March 1937	March 1938		
			Atlantic to Pacific	Pacific to Atlantic	Total
Ocean-going commercial traffic.....	526	536	271	235	506
Small commercial vessels <sup>1</sup> .....	55	80	46	31	77
Noncommercial vessels:					
United States Government.....	40	57	27	13	40
State of California.....	1				
Colombian Government.....		1			
For repairs.....		1			
Total.....	622	675	344	279	623

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC <sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the 12 months ended March 31, 1938, as compared with the previous 12 months:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8
April.....	482	473	2,483,561	2,460,549	2,430,134	2,652,880	\$2,079,730.70	\$2,067,026.68
May.....	488	544	2,504,215	2,839,127	2,419,652	2,950,925	2,081,103.73	2,376,706.36
June.....	481	472	2,449,127	2,450,018	2,459,752	2,670,466	2,073,359.39	2,070,337.89
July.....	456	457	2,364,539	2,395,306	2,450,324	2,476,366	1,999,105.18	2,029,642.45
August.....	473	505	2,398,306	2,597,119	2,396,331	2,780,603	2,051,540.28	2,195,308.87
September.	466	444	2,428,317	2,312,725	2,526,366	2,385,142	2,045,440.82	1,935,673.78
October.....	482	461	2,499,678	2,359,406	2,463,069	2,438,788	2,081,758.23	1,981,087.87
November.	368	435	1,768,738	2,280,565	1,747,368	2,185,283	1,488,054.25	1,893,462.00
December.	341	439	1,655,501	2,238,271	1,538,503	2,046,170	1,366,388.68	1,845,048.20
January....	399	444	1,915,787	2,219,496	1,855,937	2,095,402	1,598,323.51	1,837,894.72
February...	377	436	1,940,611	2,154,222	1,839,788	1,998,827	1,602,306.30	1,786,611.45
March....	536	506	2,770,451	2,311,526	3,016,418	2,268,548	2,355,149.04	2,015,585.34
Total.....	5,349	5,616	27,178,831	28,618,330	27,143,642	28,949,400	22,822,260.01	24,034,385.61

<sup>2</sup> Ocean-going commercial traffic includes only toll-paying vessels of 300 net tons or over, Panama Canal measurement.

## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 net tons measurement (Panama Canal net), which transited the Panama Canal during the month of March 1938. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	46	1,888	\$1,582.38	763
Pacific to Atlantic.....	31	1,791	1,522.62	1,135
Total.....	77	3,679	3,105.00	1,898



Traffic by Nationality of Vessels<sup>3</sup> for March 1938

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
British	130	666,156	\$372,490.54	548,905
Chilean	1	5,040	4,536.00	3,057
Danish	24	82,543	69,896.70	63,287
Finnish	1	3,554	3,198.60	4,021
French	7	35,970	32,373.00	34,414
German	4 <sup>30</sup>	113,037	108,389.30	118,459
Greek	3	14,387	12,948.30	25,403
Honduran	2	3,232	2,617.92	800
Italian	4	23,662	21,295.80	17,334
Japanese	28	150,339	135,305.10	183,849
Latvian	1	2,707	1,949.04	.....
Netherland	25	54,289	48,860.10	50,825
Norwegian	67	304,991	257,383.26	337,981
Panamanian	14	18,228	15,302.16	10,878
Peruvian	1	2,259	2,033.10	1,246
Philippine	1	4,047	2,913.84	.....
Swedish	9	41,348	35,423.46	51,905
United States	5 <sup>156</sup>	779,039	683,559.82	813,984
Union of Soviet Socialist Republics	1	1,593	1,433.70	2,200
Yugoslav	1	5,105	3,675.60	.....
Total	506	2,311,526	2,015,585.34	2,268,548

<sup>3</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement. <sup>4</sup> Includes 1 naval training ship, 13,312 displacement tons. <sup>5</sup> Includes 1 dredge, 1,370 displacement tons.

## Traffic by Trade Routes for March 1938

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table, the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo frequently is laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	55	297,669	188,514	43	225,275	301,489
East coast United States and:						
Canada	2	8,858	.....	3	13,536	20,099
Central America	6	15,540	3,406	5	13,959	6,091
South America	24	101,525	18,223	24	99,053	245,728
Hawaiian Islands	4	19,777	23,137	5	23,181	38,817
Australasia	7	42,825	40,282	2	10,305	9,398
Philippine Islands	9	50,047	41,385	17	85,740	122,924
Far East	30	145,119	220,307	3	17,476	10,804
East coast Canada and:						
United States	1	2,675	.....	.....	.....	.....
South America	.....	.....	.....	2	9,195	16,830
Australasia	6	30,539	27,477	2	9,804	7,265
Far East	2	11,970	12,996	.....	.....	.....
East coast Central America and South America	1	4,069	7,369	1	4,069	.....
East coast South America and:						
United States	1	4,572	4,740	.....	.....	.....
Canada	3	13,526	11,913	1	4,569	6,637
Central America	.....	.....	.....	1	1,570	.....
Far East	2	9,548	6,646	2	11,123	3,290
South American intercoastal	2	2,430	3,418	1	2,259	1,246
Cristobal and:						
Central America	4	3,166	2,591	5	3,788	3,925
South America	16	8,904	2,883	18	10,819	9,175
West Indies and:						
United States	4	22,880	.....	1	5,824	11,406
South America	3	17,877	21,729	4	13,052	11,022
Far East	1	3,580	6,513	.....	.....	.....
Europe and:						
United States	16	73,112	9,882	7	30,539	50,761
Canada	32	167,414	27,006	43	214,398	315,170
Central America	3	9,770	7,049	3	7,505	8,161
South America	18	95,999	41,704	23	118,931	186,543
Australasia	12	81,454	49,992	12	88,841	75,234
Egypt and South America	.....	.....	.....	1	4,877	8,612
Africa and:						
United States	.....	.....	.....	1	6,543	8,438
Far East	1	4,930	8,700	.....	.....	.....

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
Asia and United States				1	2,671	1,631
Foreign vessels in ballast (United States intercoastal)	4	19,430		1	1,079	
Vessels not engaged in commerce	6 2	530		7 3	1,810	
Total	271	1,269,735	787,862	235	1,041,791	1,480,686

<sup>6</sup> 1 dredge, 1,370 tons displacement, and 1 yacht. <sup>7</sup> 1 naval training ship, 13,312 tons displacement, and 2 yachts.

### Origin and Destination of Cargo by Major Areas

The following table summarizes the origin of cargo passing through the Canal in March 1938, and its destination by major geographical trade areas:

#### ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States	192,834	27,017	269,417	17,590	36,574	543,432
Other North America	1,959	5,946	7,065	42,208	38,712	95,890
Europe	23,836	19,306		31,373	42,038	116,553
Miscellaneous	9,010	5,327	14,015	3,208	427	31,987
Total	227,639	57,596	290,497	94,379	117,751	787,862

#### PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	298,342	23,707	163,866	8,423	494,338
Canada	16,684	2,469	197,761	389	217,303
Other North America	44,908	4,270	22,316		71,494
South America	244,312	39,860	171,983	9,858	466,013
Australasia	14,222	2,574	75,091		91,887
Asia	136,433	2,513		705	139,651
Total	754,901	75,393	631,017	19,375	1,480,686

### Principal Commodities

Commodities in transit through the Canal which aggregated 10,000 or more tons either during March 1938 or March 1937 are listed below:

Commodity	March		Commodity	March	
	1937	1938		1937	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Automobiles and parts	31,536	29,340	Borax	15,836	3,110
Canned food products	19,773	11,550	Canned food products	168,654	92,449
Cement	16,477	8,836	Coffee	23,761	18,023
Chemicals <sup>8</sup>	13,809	9,541	Cold storage (food products) <sup>9</sup>	46,448	43,512
Coal and coke	9,341	14,068	Copra	14,714	6,279
Cotton, raw	25,438	21,229	Cotton, raw	11,626	10,470
Iron and steel	250,260	125,902	Flour	33,564	25,995
Machinery	16,784	15,648	Fruit, dried	37,190	21,988
Manufactured goods <sup>8</sup>	13,186	12,132	Fruit, fresh <sup>10</sup>	21,826	38,438
Metals, various	46,234	21,322	Lumber	285,155	209,073
Nitrates	15,460	10,371	Metals, various	70,602	53,728
Oils, mineral	83,164	75,111	Molasses and syrups	15,498	30
Paper	27,626	40,197	Nitrates	227,258	160,276
Phosphates	19,116	52,436	Oats	4,089	12,725
Railroad material	9,490	10,361	Oils, mineral	337,043	153,659
Scrap metal	156,568	92,452	Oils, vegetable	25,205	7,201
Slag	3,578	10,745	Ores	171,033	186,068
Sugar	2,524	11,870	Paper	16,214	15,914
Sulphur	26,874	16,726	Rubber	10,386	5,461
Tinplate	30,396	26,319	Skins and hides	10,016	7,091
Wood pulp	11,404	6,166	Sugar	109,187	136,414
			Wheat	84,647	107,411
<i>Pacific to Atlantic</i>			Wood pulp	13,068	21,016
Barley	18,760	25,469	Wool	31,613	16,977
Beans, edible, dry	19,291	13,414			

<sup>8</sup> Except as otherwise classified. <sup>9</sup> Except fresh fruit. <sup>10</sup> Except bananas.

## Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of March 1938, as reported in the cargo declarations showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo"; the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts		41	14	128
Agricultural implements	1,271	243	5,155	307
Alfalfa meal		542		742
Ammonium compounds	214		4,087	
Animal foods <sup>11</sup>	15	191	15	241
Apparel, wearing (hats, shoes, clothing, etc.)	273		273	26
Asbestos	273	7	1,398	22
Asphalt and tar	127	23	8,603	343
Automobiles (and autotrucks)	2,078	38	19,934	68
Automobile parts and accessories	308	111	9,406	115
Bags and bagging, textile	390	103	853	260
Bamboo and products		13		407
Bananas				7,304
Barks, miscellaneous	121	139	140	523
Barley	12	82	417	25,469
Beans, edible, dry	10	5,989	35	13,414
Beer	1,208		1,317	
Beverages, nonalcoholic	142		155	298
Blood and tankage				75
Bones and bone meal			275	40
Books and printed matter	15		21	
Borax		298	207	3,110
Bran and pollards	89		89	2,531
Bricks and tile	157		487	8
Camphor, crude				30
Canned and preserved goods:				
Fish	362	11,191	581	15,494
Fruit	2,557	32,306	2,959	49,932
Meat	406	724	758	1,284
Milk	123	834	739	1,193
Soup	2,465	200	2,662	220
Vegetables	716	16,325	752	16,565
Miscellaneous and unclassified	2,292	7,152	3,099	7,761
Carbon black		14	553	14
Celite		811		846
Cement	448	53	8,836	53
Chalk			100	
Charcoal	154	27	200	80
Chemicals <sup>11</sup>	3,846	2,569	9,541	2,994
Clay, china and fire	340	61	4,749	180
Clay, filtering	459	15	459	15
Coal	1,409		7,647	
Cocoa and cacao beans	408	187	1,089	1,616
Coconuts and products <sup>11</sup>	30	574	60	1,147
Coffee	212	160	4,836	18,023
Coke			6,421	7
Cold storage and refrigerated products:				
Dairy products		131	113	17,592
Eggs	100	400	100	463
Fish	110	470	139	1,928
Lard	180	200	213	271
Meats	100	612	959	21,120
Poultry	40	481	42	523
Vegetables	32	725	47	1,524
Other and unclassified	14		30	91
Confectionery	902		1,002	
Copra				6,244
Copra meal and cake				35
Corn				3,020
Cotton, raw	38	1,330	21,229	10,470
Creosote	64		197	171
Drugs and medicines	1,747	153	2,047	181
Dyes			61	10
Earthenware	66		308	
Eggs, dried	26		26	
Electrical apparatus and appliances	837	260	1,211	265
Enamelware and metalware	44		44	102

<sup>11</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes, including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Explosives.....	35	9	404	9
Extract, quebracho.....			1,663	
Fertilizers <sup>11</sup> .....	63	118	418	183
Fish, salted or dry-cured.....	2		3	
Fish meal.....	31		31	1,363
Floor coverings.....	1,811	1,141	2,103	1,458
Flour.....	179	21,918	1,054	25,995
Fruit, dried.....	60	12,379	101	21,988
Fruit, fresh <sup>11</sup> .....	1,411	360	1,731	35,438
Furniture and household goods.....	141	56	198	79
General.....	15,851	2,907	41,462	8,305
Glass and glassware.....	2,366	14	4,487	463
Glue.....	55	57	61	67
Grains <sup>11</sup> .....				150
Groceries.....	1,163	622	1,710	1,204
Guano.....			370	
Gums.....			31	58
Hair, all kinds.....	20	11	22	57
Hay.....		67		67
Hemp, unmanufactured.....			25	1,208
Honey.....		89		245
Hops.....	11		111	313
Horns and hoofs.....			43	30
Infusorial earth.....	90	416	170	732
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.).....	56,867	174	125,902	549
Ivory nuts.....			75	1,040
Lard substitute.....	957	12	957	39
Lime.....			86	
Liquors.....	2,625	235	4,070	469
Lumber (including manufactured mill products).....	1,922	75,514	2,873	209,073
Machinery.....	2,504	1,021	15,648	1,455
Malt.....			461	137
Manufactured goods <sup>11</sup> .....	4,886	442	12,132	1,581
Marble and granite.....	130		420	16
Matches.....	389	158	403	165
Metals:				
Antimony.....			108	
Copper.....	222	3,560	2,648	29,310
Gold and silver.....				43
Iron.....	800		16,385	
Lead.....	7	1,313	110	15,194
Tin.....	51	44	378	2,463
Zinc.....	32		330	6,550
Other and unclassified.....	85	4	1,363	168
Milk, powdered.....		303	10	1,315
Molasses and syrups.....	132	30	188	30
Nitrates.....	2,528		10,371	160,276
Nuts, edible (including meats).....	350	272	410	439
Oats.....	44	1,465	70	12,725
Oils, mineral:				
Crude.....		10,360	10,919	66,428
Gas and fuel.....			29,281	32
Gasoline, benzine and naphtha.....	2	24,543	3,358	79,915
Kerosene.....			228	5,501
Lubricating and greases.....	18,095	584	31,277	1,783
Other and unclassified.....	48		48	
Oils, vegetable:				
Coconut.....			108	4,300
Cottonseed.....	64		1,245	
Linseed.....			1,055	
Olive.....	74		478	
Peanut.....				201
Rapeseed.....			12	
Teaseed.....				18
Wood.....		148		1,795
Other and unclassified.....	462	90	739	887
Oil, fish.....	80	454	171	2,506
Oil, whale.....		890		890
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.).....		36	3,452	439
Oilseed cake and meal.....	1,230		1,230	4,536
Ores:				
Antimony.....				260
Chrome.....	130		153	20,450
Copper.....			1,188	9,466
Gold and silver.....				478
Iron.....	44		126	131,111
Lead.....				3,155
Magnesite.....	22		22	
Manganese.....	23	47	23	7,541

<sup>11</sup> Except as otherwise classified.



Commodity	United States intercoastal		Total for all trade routes, including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Ores—Continued:				
Tin.....			230	4,601
Zinc.....			83	8,338
Other and unclassified.....			128	668
Paints and varnishes.....	44	64	2,486	252
Paper and paper products <sup>11</sup> .....	1,454	89	7,884	15,914
Peanuts.....	9,387	35	1,431	35
Peas, dry.....	1,431			231
Peatmoss.....			1,290	
Phosphates.....	628		52,436	
Plaster.....			54	
Porcelainware.....	387	181	1,031	2,040
Potash.....		1,156	129	1,156
Pyrethrum flowers.....				645
Rags and waste.....	98	148	200	659
Railroad material.....	3,248		10,361	
Rice.....	1,353	1,147	2,770	8,626
Rope and twine.....	678		1,079	17
Rosin.....	2,095	41	2,693	43
Rubber:				
Manufactured.....	765	465	1,157	486
Raw.....		9	47	4,931
Scrap.....		29	48	44
Salt.....	291	90	2,325	2,909
Sand.....	40		2,038	3
Scrap metal.....	62	83	92,452	510
Seeds (except oil seeds).....	33	434	369	904
Sewer pipe (concrete and terracotta).....			30	
Shells, oyster.....	116	175	116	307
Silk, raw.....		21	24	1,488
Skins and hides.....	7	4,493	769	7,091
Slag.....	182		10,745	383
Slate.....	306		306	
Soaps and products.....	1,439	75	1,806	233
Soda and sodium compounds:				
Soda ash.....	252		1,265	724
Soda, caustic.....	355		1,336	
Miscellaneous and unclassified.....	503		682	
Soya beans.....	225		225	75
Sugar.....	93	6,178	11,870	136,414
Sulphur.....	12,483	33	16,726	233
Talc.....	26	42	34	92
Tallow.....	74	462	191	3,182
Tea.....	40	77	90	407
Textiles <sup>12</sup> .....	4,024	44	8,453	1,682
Tinplate.....	3,192	41	26,319	41
Tobacco and manufactures.....	444	15	7,987	55
Toilet preparations.....	105		116	
Turpentine.....	143		739	
Vegetables, dry <sup>11</sup> .....			43	2,223
Wall board.....			467	1,284
Wax, paraffin.....	481		1,642	82
Wheat.....		10,996	2	107,411
Wines.....	69	1,216	869	2,233
Wood pulp.....	244	14,154	6,166	21,016
Wool.....	113	817	381	16,977
Total, March 1938.....	192,834	298,342	787,862	1,480,686
Total, March 1937.....	387,352	530,746	1,048,337	1,968,081
Total, March 1936.....	265,211	439,240	813,099	1,821,051

<sup>11</sup> Except as otherwise classified. <sup>12</sup> Cotton, silk, wool, rayon goods.

### Current Net Prices on Fuel Oil and Diesel Oil

Bunker fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal. Prices will be furnished on application.

Bunker fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Fuel oil, \$1.05 per barrel at Cristobal and Balboa; Diesel oil, \$1.95 per barrel at Cristobal and Balboa.

### Tanker Traffic

The following tabulation shows, according to trade route, the tanker traffic through the Canal during the month of March 1938:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	10	57,648	9,714	3	17,730	34,859
East coast United States and:						
Phillipine Islands.....	1	4,047				
Far East.....	1	4,403	9,619			
East coast Canada and South America				1	7,406	14,150
East coast Central America and South America.....	1	4,069	7,369	1	4,069	
South American intercoastal.....	1	1,570	2,208			
East coast South America and Central America.....				1	1,570	
West Indies and:						
United States.....	2	13,686		1	5,824	11,406
South America.....	3	17,877	21,729	3	11,653	11,022
Europe and:						
United States.....	2	14,067		2	13,147	25,148
South America.....	2	10,926		4	26,595	54,726
Total.....	23	128,293	50,639	16	87,994	151,311

### Comparison of Canal Traffic in March 1938, with March Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of March			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1915 <sup>13</sup> .....	136	(000 omitted)	(000 omitted)	1915.....	<sup>14</sup> 100	(000 omitted)	(000 omitted)
1916 <sup>15</sup> .....		476	607	1916.....	60	361	466
1917.....	139	458	571	1917.....	145	199	258
1918.....	171	583	661	1918.....	165	483	588
1919.....	151	478	505	1919.....	162	547	627
1920.....	226	819	894	1920.....	199	510	576
1921.....	251	1,113	1,084	1921.....	232	712	781
1922.....	231	975	960	1922.....	222	950	966
1923.....	403	1,988	1,941	1923.....	292	951	907
1924.....	424	2,136	2,272	1924.....	325	1,550	1,631
1925.....	393	1,904	2,104	1925.....	429	2,179	2,249
1926.....	496	2,397	2,606	1926.....	382	1,904	1,996
1927.....	490	2,413	2,533	1927.....	424	2,064	2,169
1928.....	525	2,439	2,427	1928.....	441	2,184	2,311
1929.....	526	2,566	2,742	1929.....	521	2,453	2,468
1930.....	505	2,505	2,557	1930.....	524	2,485	2,554
1931.....	427	2,210	1,914	1931.....	502	2,497	2,502
1932.....	348	1,864	1,643	1932.....	447	2,314	2,089
1933.....	369	1,987	1,737	1933.....	364	1,968	1,650
1934.....	508	2,702	2,465	1934.....	347	1,900	1,513
1935.....	455	2,398	2,210	1935.....	436	2,379	2,059
1936.....	526	2,715	2,634	1936.....	432	2,317	2,109
1937.....	536	2,770	3,016	1937.....	449	2,335	2,209
1938.....	506	2,312	2,269	1938.....	467	2,404	2,507
				( <sup>16</sup> ).....	459	2,319	2,297

<sup>13</sup> Canal opened August 15, 1914. <sup>14</sup> Average for 10½ months of fiscal year ended June 30, 1915. <sup>15</sup> Canal closed on account of slides. <sup>16</sup> Average for 9 months of fiscal year 1938.

### Terminal Activities

Ships which completed repairs during the month of March 1938, numbered 64. Vessels released from drydock numbered 9. Fuel oil in the quantity of 273,643 barrels was delivered as bunkers to 128 commercial ships. Bunker coal amounting to 8,567 tons was delivered to 27 commercial ships. Sales of commissary supplies to ships aggregated \$43,400.50.

## Cargo Handled at Terminal Ports, March 1938

	Cristobal	Balboa	Total
Local cargo arriving..... tons	22,593	11,282	33,875
Local cargo shipped..... tons	1,801	618	2,419
Cargo received for transshipment..... tons	44,830	223	45,053
Cargo transhipped..... tons	41,078	164	41,242
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	7	5	12
Number of releases issued.....	45	18	63
Tons received.....	22	17	39
Tons withdrawn.....	46	11	57

## All Vessels Entering and Clearing Port, March 1938

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal..	584	3,525,424	2,114,643	529	3,011,069	1,815,722
Vessels entering port but not transiting Canal.	73	500,137	287,705	8	18,455	11,559
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	134	806,332	490,573	104	712,435	418,535
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	588	3,577,653	2,148,687	532	3,006,932	1,814,674
Vessels clearing port but not transiting Canal.	75	536,893	315,771	11	25,292	16,676
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	135	804,298	485,409	104	703,680	414,317

## Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight March 10, 1938, to midnight April 10, 1938. Figures after names of vessels show, respectively, tons discharged and tons laden:

## CRISTOBAL

Santa Clara, 44, 90	Caribia, 86, 1,017½	Gatun, 91, 217	Nero, 160, 0	Lochgoil, 263, 25
Sanyo Maru, 491, 78	Chile, 128, 913	Pereira, 843, 689	Pasajero, 0, 3	Oakland, 64, 204
Tolosa, 699, 536	Clio, 354, 127½	Santa Clara, 126, 53	Balboa, 78, 347	Dillywyn, 11,813, 0
Fella, 392, 328	Ancon, 3,825, 739	R. L. Hustler, 1½, 0	Phoenicia, 34, 676	Magician, 220, 196
Kunikawa Maru, 563, 0	Lochkatrine, 269, 74	Trois Ilets, 165, 15	Limon, 462, 521	Hagen, ½, 0
Nero, 267, 12	Cuba, 0, 792	Weser, 158, 59	Santa Marta, 763, 98	Osnabruck, 91, 404
Darien, 701, 137	Anubis, 5, 351	Oropesa, 65, 364	Nero, 0, 80	Bennekom, 0, 209
Ino, 141, 45	Crawford Ellis, 0, 170	Nuernberg, 105, 408	Antigua, 253, 148	Arica, 394, 0
Buenaventura, 1,650,	Santa Inez, 407, 93	Ino, 188, 163	Wisconsin, 126, 260	Triton, 289, 0
559	Istmo, 787, 218	Helder, 0, 111	Port Halifax, 812, 4	Lagarta, 4, 182
Durazzo, 1,257, 265	Sixaoia, 456, 111	San Jose, 668, 0	Durazzo, 219, 444½	Vancouver, 287, 264
Caymanian, 4, 0	Tivities, 479, 64	Ulna, 504, 257	Cristobal, 0, 760	Kirisima Maru, 83, 1
Istmo, 0, 154	West Nilus, 23, 381	Olney, 970, 0	Axel Johnson, 63, 369	Clio, 167, 79
Chiriqui, 288, 90	Marie Leonhardt, 115,	Guayaquil, 1,847, 473	Durazzo, 1,211, 344	Buenaventura, 2,256,
Jamaica, 139, 930	435	San Felipe, 842, 0	Roda, 101, 586	564
Ruth Lykes, 1,258, 367	Nammburg, 9, 0	Quirigua, 201, 25	Goslar, 1,825, 0	Acasta, 7,882, 0
KoIn, 18, 570	Nero, 291, 144	Istmo, 642, 125	Nuevo Panama, 0, 78	Santa Rita, 265, 196
Kongo Maru, 229, 0	Breda, 193, 1,100	Yamazaki Maru, 301, 0	Ino, 276, 207	Sta. Maria, 465, 2 pkgs.
Simon Bolivar, 59, 50	Saarland, 80, 323	Manizales, 338, 186	Knute Nelson, 5, 0	Laurits Swenson, 37,
Trois Ilets, 78, 62	Cerigo, 925, 156	Haiti, 87, 800	Ciss, 40, 0	409
Orbita, 76, 18	Benj. Franklin, 242, 0	Ward, 132, 0	Crynsen, 200 lbs., 822	Gansfjord, 0, 99
Ciss, 977, 0	Talamanca, 171, 240	Naruto Maru, 538, 0	Trois Ilets, 137, 41	Kimikawa Maru, 537, 0
Ville de Strasbourg, 0,	Nuevo Panama, 0, 126	Dinteldijk, 285, 152	Ordnua, 133, 6	Tolosa, 922, 95
61	West Cactus, 630, 7	Clio, 322, 56	Istmo, 737, 171	Damsterdijk, 246, 134
San Antonio, 130, 402	Colombia, 171, 1,412	Portland, 232, 661	Cordillera, 291, 58	Colombia, 59, 38
Tacoma, 321, 323	Akaroa, 171, 0	Santa Paula, 200, 6	Boskoop, 192, 1,781	Nero, 176, 99
Musa, 60, 0	Simon Bolivar, 0, 830	Santa Lucia, 597, 180	Dusseldorf, 106, 185	Veragua, 337, 138
Mayan, 0, 872	Cadmus, 0, 203	De La Salle, 147, 0	Nienburg, 598½, 214	Metapan, 622, 149
Santa Barbara, 292, 93	Ionia, 0, 397	Crynsen, 145, 1	Schwaben, 49, 1,741	Helga, 0, 53
Santa Elena, 311, 4	Muenchen, 61, 9	Cefalu, 553, 287	Canadian, 113, 1	Niel Maersk, 380, 0
Europa, 28, 97	Darian, 181, 0	Acajutla, 669, 0	Acajutla, 0, 25	Nagara Maru, 178, 0
Cuba, 89, 17	Pastores, 193, 0	Tasmania, 708, 0	Virginia, 219, 0	Cerigo, 666, 638
San Bernardino, 1,220,	Hokkai Maru, 517, 27	San Francisco, 208, 134	Harboe Jensen, 0, 1,122	San Diego, 124, 418
9	Celina, 225, 23	San Simeon, 354, 10	Santa Elena, 96, 34	Colombia, 78, 182½
Oregon, 50, 494	Pennsylvania, 130, 0	Cristobal, 3,695, 0	Amerika, 0, 38	Istmo, 727, 231
Granada, 185, 232	Santa Rita, 34, 8	Santa Barbara, 190, 117	Virgilio, 15, 150	Nucvo Panama, 0, 80
Nansenville, 0, 903	Santa Rosa, 41, 1	Almeria Lykes, 1,612,	Kwanto Maru, 309, 319	
Salvador, 636, 650	Mantilla, 8,834, 0	459	Contessa, 181, 873	
Rhakotis, 58, 4	Washington, 337, 217	De La Salle, 0, 262	Mayan, 867, 694	

BALBOA

Virginia, 10, 147	Benj. Franklin, 0, 75	Santa Clara, 122, 17	Santa Barbara, 107, 7	K. R. Kingsbury,
Florida Maru, 143, 0	Akaroa, 97, 0	Nitro, 10, 12	Knud Rasmussen, 0, 3	11,041, 0
Mayan, 0, 32	Pennsylvania, 144, 0	Ward, 94, 0	Republic, 203, 26	Canadian, 132, 0
Santa Barbara, 3, 2	Emma Bakke, 667, 0	Ludington, 121, 71	Durazzo, 1, 0	Lochgoil, 0, 108
Durazzo, 0, 50	Cerigo, 0, 2	Santa Lucia, 67, 19	Martin Bakke, 152, 0	Triton, 51, 0
Floriania, 275, 0	Vermont, 1,131, 0	Sirius, 54, 40	Nako Maru, 0, 55	Santa Maria, 8, 29
Santa Inez, 128, 2	Weser, 128, 0	Acajutla, 2, 0	Virginia, 193, 34	Santa Rita, 230, 122
West Cactus, 701, 0	California Express, 0, 2	Pereira, 0, 3		Niel Maersk, 82, 0

NOTE.—Figures shown represent short tons of 2,000 pounds.

Passengers

Ocean ship passengers disembarking at Canal ports during March 1938 numbered 1,828 at Cristobal and 1,054 at Balboa; embarking 2,602 at Cristobal and 1,096 at Balboa. Passengers passing through the Canal numbered 5,346 from the Atlantic to the Pacific, and 3,888 from the Pacific to the Atlantic. Aircraft numbering 46 entered Cristobal and 217 passengers disembarked; clearances were 45, with 227 passengers embarking. At Balboa, entries of aircraft numbered 56, with 132 passengers disembarking; clearances were 56, with 108 passengers embarking.

Comparison of Traffic at the Suez and Panama Canals for the First Eight Months of the Fiscal Years 1937 and 1938

The following is a comparison of traffic at the Suez and Panama Canals for the first eight months of the fiscal years 1937 and 1938:

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1936-7	1937-8	Increase	Decrease	1936-7	1937-8	Increase	Decrease
July	466	551	18.2		456	457	0.2	
August	471	532	13.0		473	505	6.8	
September	479	522	9.0		466	444		4.7
October	490	557	13.7		482	461		4.4
November	511	525	2.7		368	435	11.8	
December	508	541	6.5		341	439	28.7	
January	575	544		5.4	399	444	11.3	
February	524	508		3.1	377	436	15.6	
Total	4,024	4,280	6.3		3,362	3,621	7.7	

Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices, including the 20 percent surcharge, to individuals and companies, as of February 28, 1938:

Commodities	Unit	Price
Brass, bar, average	Lb.	\$0.23
Brass, sheet, average	Lb.	.30
Bronze, Tobin, average	Lb.	.22
Gasoline, motor grade	Gal.	1.05
Metal, yellow	Lb.	.26
Oakum, Navy, spun	Lb.	.19
Oakum, Navy, unspun	Lb.	.18
Oil, gun and ice machine	Gal.	.28
Oil, burning, Colza	Gal.	1.02
Oil, engine, gas, light, in drums, No. 2135	Gal.	.24
Oil, engine, gas, extra heavy, in cases, No. 2250	Gal.	.32
Oil, engine, gas, extra heavy, in drums, No. 2250	Gal.	.28
Oil, kerosene, in drums	Gal.	.10
Oil, marine, engine	Gal.	.38
Paint, lead, white, dry	Lb.	.11
Paint, lead, white, in oil	Lb.	.12
Paint, zinc oxide, dry	Lb.	.08
Paint, zinc oxide, in oil	Lb.	.12
Grease, gear, chain and wire rope, lubricating	Lb.	.05
Grease, yellow, cup, No. 3, medium	Lb.	.06
Grease, yellow, cup, No. 5, hard	Lb.	.07
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.12
Waste, cotton, white	Lb.	.13



## Movements of Ocean Vessels Through the Panama Canal

From midnight March 10, 1938, to midnight April 10, 1938

## ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Nienburg	10	11	Ger...	North German Lloyd	Hamburg, Ger...	Champ'ico, Guat.	General	883
Astoria <sup>2</sup>	10	11	Dan...	Anglo-Can. S. S. Co.	Antwerp, Belgium	Vancouver, B. C.	General	1,595
Virginia	11	11	Amer.	Panama-Pacific Line	New York, N. Y.	Los Angeles, Cal.	General	2,385
H. D. Collier <sup>1</sup>	10	12	Amer.	Standard Oil of Calif.	Bayonne, N. J.	Los Angeles, Cal.	Lub. oil	9,714
Moldanger <sup>2</sup>	10	11	Nor.	Interocean S. S. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
President de Vogue, <sup>1 2</sup>	11	14	Nor.	Comp.des Prod.Chim. et Raff. de Berre.	Pt. de Boue, Fr.	Talara, Peru	Ballast	
American Robin	11	11	Amer.	Amer.-For. S. S. Corp.	Baltimore, Md.	S. Francisco, Cal.	Sulphur	7,200
Bonneville <sup>2</sup>	11	11	Nor.	Isbrandtsen Moller.	Baltimore, Md.	Manila, P. I.	General	4,696
Delftdijk <sup>2</sup>	10	11	Neth.	N. Pac. Coast Line	Rotterdam, Neth.	Vancouver, B. C.	General	3,904
Glenmoor <sup>2</sup>	11	11	Brit.	Runciman Ship. Co.	Rotterdam, Neth.	Brit. Columbia	Ballast	
Sambu <sup>2</sup>	11	11	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		25
Ohioan	11	12	Amer.	Amer.-Hawaiian Line	Ponce, P. R.	San Diego, Calif.	General	2,993
Gracia	11	12	Brit.	Donaldson Brothers	Glasgow, Scot.	Portland, Oreg.	General	723
Lewis Luckenbach	11	12	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,300
Embassage	11	12	Brit.	Anglo-Can. S. S. Co.	N. Shields, Eng.	Vancouver, B. C.	Ballast	
Prince Rupert City	12	12	Brit.	Mitsubishi Line	Boca Grande, Fla	Kobe, Japan	Phosphate	8,000
Noro <sup>2</sup>	11	12	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	10
Kentuckian	12	12	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,981
Istmo	7	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	340
Annie Johnson <sup>2</sup>	10	12	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B. C.	( <sup>14</sup> )	2,412
Pirate <sup>3</sup>	12	12	Nor.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		20
Chas. R. McCormick	12	13	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General	4,705
Pennmar	12	13	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,689
Moorby <sup>2</sup>	12	13	Brit.	Sir R. Ropner & Co.	Hull, England	Vancouver, B. C.	Ballast	
Deroche <sup>1</sup>	13	13	Amer.	Union Oil of Calif.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Gypsum Prince	13	13	Brit.	Chile Nit. Sales Corp.	Baltimore, Md.	Tocopilla, Chile	Ballast	
Ino <sup>2</sup>	11	13	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	41
Carica Milica	13	13	J-Slav	Seaboard Ship. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Millais	13	13	Brit.	Blue Star Line	Rio Gr'de, Brazil	Vancouver, B. C.	Ballast	
Keisho Maru <sup>2</sup>	13	13	Jap	Mitsui & Co.	Philadelphia, Pa.	Yokohama, Japan	Steel, rosin	8,224
City of Glasgow	13	14	Brit.	Mont-Aust.-N.Z.Line	St. Johns, N. B.	Adelaide, Aust.	General	3,975
Otao <sup>2</sup>	13	14	Brit.	N. Z. Shipping Co.	Liverpool, Eng.	Bluff, N. Z.	General	8,658
British Columbia Express, <sup>2</sup>	12	13	Nor.	Fruit Express Line	Glasgow, Scot.	Seattle, Wash.	Ballast	
Coloradan	13	13	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,340
Real <sup>2</sup>	12	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu <sup>2</sup>	12	12	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		25
J-26 <sup>2</sup>	12	12	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Breckenridge <sup>6</sup>	12	12	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Ruahine	14	15	Brit.	N. Z. Shipping Co.	London, England	Bluff, N. Z.	General	3,354
Kohn	12	14	Ger.	North German Lloyd	Bremen, Ger.	Corral, Chile	Gen., cement	4,803
Huruni	13	14	Brit.	N. Z. Shipping Co.	Cardiff, Wales	Fremantle, Aust.	General	6,174
S-45 <sup>7</sup>	12	14	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Nanman Maru	13	14	Jap.	Yamashita Line	Buenos Aires, Arg.	Kobe, Japan	Wool, oil	2,941
Aakre <sup>2</sup>	13	14	Nor.	Continental Grain Co.	Philadelphia, Pa.	Kobe, Japan	Machinery	6,920
Athelduke <sup>1 2</sup>	14	14	Brit.	Mitsubishi & Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Tropic Star <sup>2</sup>	14	14	Nor.	Chile Nit. Sales Corp.	Baltimore, Md.	Tocopilla, Chile	Ballast	
Pacific Exporter <sup>2</sup>	14	14	Brit.	Furness-Pacific Line	Glasgow, Scot.	Vancouver, B. C.	General	896
Framlington Court	11	14	Brit.	Seaboard Ship. Co.	Barry, England	Pacific coast.	Ballast	
Santos Maru <sup>2</sup>	14	15	Jap.	Osaka Shosen Kaisha	Buenos Aires, Arg.	Kobe, Japan	Timplate, etc.	3,705
Noto Maru <sup>2</sup>	14	14	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Kobe, Japan	( <sup>15</sup> )	7,849
Ville de Strasbourg	14	15	Fr.	Messageries Marit'es	Marseille, France	Noumea, N. Caled	General	1,712
Frank <sup>3</sup>	12	15	Pan.	E. J. Hooper	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Aras <sup>6</sup>	12	15	Amer.	H. J. Chisholm	Miami, Fla.	Puntarenas, C. R.	Ballast	
Wichita <sup>2</sup>	14	15	Amer.	Roosevelt S. S. Co.	New York, N. Y.	Australia	General	4,136
Musa	14	15	Pan.	United Fruit Co.	New York, N. Y.	Pto. Arm'les, R.P.	Ballast	
Cubore	14	15	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Nicoline Maersk <sup>2</sup>	14	15	Dan.	A. P. Moller	Tampa, Fla.	San Diego, Calif	Ballast	
Fairfield City	15	15	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Honolulu, T. H.	General	6,949
San Antonio	14	15	Fr.	French Line	Havre, France	Vancouver, B. C.	General	3,631
Europa <sup>2</sup>	15	15	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	( <sup>16</sup> )	753
Mayan	8	16	Amer.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	841
Baldhill <sup>1</sup>	15	15	Amer.	Shell Terminal Corp.	Perth Amboy, N.J.	Los Angeles, Cal.	Ballast	
Canadian Reefer <sup>2</sup>	15	15	Dan.	J. Lauritzen	Antwerp, Belgium	Valparaiso, Chile	Ballast	
Porto Bello <sup>2</sup>	15	15	Pan.	A. Tagarapulos	Cristobal, C. Z.	Real, R. P.	General	3
Ida F. <sup>6</sup>	15	15	Pan.	Dan McAllister	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Trienza	15	16	Brit.	British Phos. Corp.	Glasgow, Scot.	Ocean Island	( <sup>17</sup> )	1,520
Ardangorm	15	16	Brit.	Anglo-Can. S. S. Co.	New Orleans, La.	Puget Sd., Wash.	Ballast	
Fernlane <sup>2</sup>	15	16	Nor.	Fearnley & Eger	New Orleans, La.	Kamaishi, Japan.	Scrap steel	7,097

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Yacht. <sup>6</sup> Submarine. <sup>7</sup> For bananas and return to Cristobal. <sup>8</sup> Paper, coffee, general. <sup>9</sup> Scrap steel, general. <sup>10</sup> Peat moss, general. <sup>11</sup> Constructing material, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Alabaman	16	16	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General	2,309
Vitus Bering	16	18	Dan.	United Fruit Co.	Avonmouth, Eng.	Pto. Arm'les, R.P.	Ballast	
Dolius <sup>2</sup>	16	16	Brit.	Alfred Holt & Co.	New York, N. Y.	Japan	Ballast	
Trois Ilets	13	16	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	64
Durazzo	11	17	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecu.	General	241
Elisabeth Bakke <sup>2</sup>	16	16	Nor.	Knutson Line	Cardiff, Wales	Vancouver, B. C.	Ballast	
Oregon <sup>2</sup>	15	16	Fr.	French Line	Havre, France	Valparaiso, Chile.	(15)	1,655
Tuira <sup>2</sup>	15	15	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
San Bernardino	15	17	Amer.	States S. S. Co.	New York, N. Y.	Seattle, Wash.	General	2,839
Chile <sup>2</sup>	16	17	Swed.	Johnson Line	Malmö, Sweden.	Valparaiso, Chile.	General	4,263
Tweedbank <sup>2</sup>	16	17	Brit.	Bank Line	Boston, Mass.	Shanghai, China	General	3,327
Point Chieo	16	17	Amer.	Swayne & Hoyt	Brownsville, Tex.	Tacoma, Wash.	General	4,516
Camden <sup>1</sup>	16	17	Amer.	Kell Oil of St. Louis	Sewaren, N. J.	Los Angeles, Cal.	Ballast	
Arlington Court	17	18	Brit.	Sherriff Gifford	Barry, England	Portland, Oreg.	Ballast	
Austvard <sup>2</sup>	17	17	Nor.	L. Kloster	Nuevitas, Cuba	Yokohama, Japan	Serap iron	6,513
Titanian <sup>2</sup>	17	18	Nor.	Mitsubishi Shoji K.	Tampa, Fla.	Yawata, Japan	Serap iron	7,860
Vinni <sup>2</sup>	17	17	Nor.	Kawasaki K. Kaisha	Tampa, Fla.	Kobe, Japan	Phos. cotton	8,175
Kaia Knudsen <sup>1 2</sup>	17	18	Nor.	Knut Knudsen	Aruba, N. W. I.	Talara, Peru	Ballast	
Firmore	17	18	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Peru <sup>13</sup>	17	19	Amer.	Gohagan Const. Co.	Newp't News, Va.	Callao, Peru	Ballast	
Point Lobos	18	18	Amer.	Swayne & Hoyt	Houston, Tex.	Tacoma, Wash.	General	5,000
Anubis <sup>2</sup>	17	18	Ger.	Hamburg-Amer. Line.	Tampa, Fla.	Hongkong, China	Gen. cotton	7,591
J. L. Luckenbach	18	18	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,550
Steel Inventor	17	18	Amer.	Isthmian S. S. Lines.	Mobile, Ala.	S. Francisco, Cal.	Steel	4,062
Herman F. Whiton	18	18	Amer.	Texas Gulf Sulphur Co.	Galveston, Tex.	Everett, Wash.	Crude sulph.	4,650
Nancy Moran <sup>4</sup>	17	19	Amer.	Moran Tow. & Transp	Newp't News, Va.	Callao, Peru	Ballast	
Santa Inez <sup>2</sup>	17	19	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile	General	2,260
Tuli <sup>6</sup>	18	19	Pan.	Max Bilgray	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Babbitt <sup>9</sup>	19	19	Amer.	U. S. Navy	Pt. Limon, C. R.	Balboa, C. Z.	Ballast	
Sessa	19	19	Dan.	Wessel, Duval & Co.	Philadelphia, Pa.	Talcahuano, Chile	General	2,165
Naumburg	18	19	Ger.	Hamburg-Amer. Line.	New Orleans, La.	Sydney, Australia	(16)	7,969
West Nilus	18	19	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Vancouver, B. C.	General	3,913
Rossington Court	18	19	Brit.	Canadian Transp. Co.	Barry, England	Vancouver, B. C.	Ballast	
Pan Norway <sup>1 2</sup>	18	19	Nor.	Standard Oil of N. Y.	Nyborg, Den.	Los Angeles, Cal.	Ballast	
Pennsylvania	19	19	Amer.	Weyerhaeuser S. S. Co.	New York, N. Y.	Seattle, Wash.	General	3,373
Corrientes	19	19	Brit.	Donaldson Brothers	Glasgow, Scot.	Vancouver, B. C.	General	576
St. Stephen	19	19	Fin.	Overworld Trad. & Ship	Nordenham, Ger.	Los Angeles, Cal.	Coke	4,021
Rangitane <sup>2</sup>	19	20	Brit.	N. Z. Shipping Co.	London, England	Auekland, N. Z.	General	4,900
Siamese Prince <sup>2</sup>	18	19	Brit.	Furness-Prince Line	Halifax, N. S.	Moji, Japan	(17)	5,363
Benjamin Franklin <sup>2</sup>	19	20	Nor.	Fred Olsen Line	Oslo, Norway	Vancouver, B. C.	Nitrate, gen.	4,835
Montanan	19	19	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	3,233
Nero <sup>2</sup>	18	19	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	1,310
Pirate <sup>2</sup>	18	18	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>		20
Breda	18	20	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	2,803
Saarland	18	20	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Talcahuano, Chile	General	3,726
Fortuna <sup>3</sup>	20	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
King Mariner	19	20	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Hilo, T. H.	Steel, gen.	5,193
Steel Arthur <sup>2</sup>	19	20	Brit.	J. J. Moore & Co.	Manchester, Eng.	Brit. Columbia	Ballast	
Timber Rush	20	20	Amer.	Shepard S. S. Co.	New York, N. Y.	Tacoma, Wash.	General	2,396
Port Saint John <sup>2</sup>	19	20	Brit.	Mont.-Aust.-N.Z. Line	Sunderland, Eng.	N. Plym'th, N. Z.	General	5,662
Dagmar Salen	20	20	Swed.	Rederi A/B Pulp	Landskrona, Swed	Los Angeles, Cal.	Ballast	
Nuevo Panama <sup>2</sup>	19	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General	180
Real <sup>2</sup>	19	19	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu <sup>2</sup>	19	19	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>		25
Frank <sup>2</sup>	19	19	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>		25
Ridley <sup>2</sup>	21	21	Brit.	Dant & Russell	Hull, England	Los Angeles, Cal.	Ballast	
Appledore	20	21	Brit.	Seaboard Ship. Co.	Cardiff, Wales	West coast U.S.A.	Ballast	
Marchen Maersk <sup>2</sup>	21	21	Dan.	A. P. Moller	New York, N. Y.	Cebu, P. I.	General	5,594
Berganer <sup>2</sup>	21	21	Nor.	Intercean S. S. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Minaerva <sup>2</sup>	21	21	Nor.	Chile Nit. Sales Corp.	Charleston, S. C.	Tocopilla, Chile	Ballast	
Istmo	17	21	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	250
Hokuroku Maru <sup>2</sup>	21	21	Jap.	Osaka Shosen Kaisha	New York, N. Y.	Kobe, Japan	General	7,565
Jacob Luckenbach	21	21	Amer.	Luckenbach Line	Houston, Tex.	Tacoma, Wash.	General	4,906
Salvador	15	22	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	650
Atutasan Maru <sup>2</sup>	21	22	Japan.	Mitsui Bussan Kaisha	New York, N. Y.	Moji, Japan	Steel, tin.	8,258
Tornus <sup>1 2</sup>	21	22	Brit.	Shell Oil Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
West Cape	22	22	Amer.	McCormick S. S. Co.	New York, N. Y.	Tacoma, Wash.	General	5,370
Riley <sup>2</sup>	22	22	Brit.	Mont.-Aust.-N.Z. Line	Halifax, N. S.	Melbourne, Aust.	Newsprint	5,652
Port Hunter	22	22	Brit.	Port Line	Antwerp, Belgium	Auekland, N. Z.	(18)	6,194
Maravi	22	22	Pan.	United Fruit Co.	Savannah, Ga.	Pto. Arm'les, R.P.	R.R. material	3,406
Texan	22	22	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,700
Cellina <sup>2</sup>	22	22	Ital.	Italia S. A.	Trieste, Italy	Vancouver, B. C.	General	771
Clio <sup>2</sup>	16	22	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	116
Emma Bakke <sup>2</sup>	22	23	Nor.	Knut Knudsen O.A.S.	Goth'burg, Swed.	Valparaiso, Chile.	General	2,381

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Yacht. <sup>6</sup> Destroyer. <sup>7</sup> Dredge. <sup>8</sup> For bananas and return to Cristobal. <sup>9</sup> Ammunition, general. <sup>10</sup> General. <sup>11</sup> oil, sulphur, etc. <sup>12</sup> Serap iron, general. <sup>13</sup> Basie slag, oranges.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Port Townsville 2.	22	23	Brit.	Port Line	Glasgow, Scot.	Adelaide, Aust.	General	6,370
Texas Sun 1 2.	23	23	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	
Cerigo	18	23	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecua.	General	141
El Oso 1.	23	23	Brit.	C. T. Bowring & Co.	Curacao, N. W. I.	Guayaquil, Ecua.	Bulk oil	8,499
Mobiloil 1.	23	23	Amer.	Socony-Vac. Oil Co.	Philadelphia, Pa.	Los Angeles, Cal.	Ballast	
Chattanooga City	23	23	Amer.	Isthmian S. S. Lines.	Portland, Me.	Seattle, Wash.	General	5,164
Tuira 2.	22	23	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Lila 2.	22	22	Pan.	Manuel Lopez.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Wind Rider 13.	23	23	Pan.	B. G. Tydeman	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Porto Bello 3.	23	23	Pan.	A. Tagaropoulos.	Cristobal, C. Z.	Real, R. P.	General	3
Peter Lassen	23	25	Dan.	United Fruit Co.	Avonmouth, Eng.	San Francisco, Cal.	Ballast	
Cape Nelson	23	24	Brit.	Chile Nit. Sales Corp.	Baltimore, Md.	Chanaral, Chile.	Coke	1,530
Wanaka 2.	24	24	Brit.	Union S. S. of N. Z.	Antwerp, Belgium	Wellington, N. Z.	Basic slag.	2,396
Kiyosumi Maru 2.	24	24	Jap.	Kokusai Kisen Kaisha	New York, N. Y.	Kobe, Japan	Pig iron.	8,322
Kosei Maru 2.	24	24	Jap.	Hiroumi Shoji Co.	Mobile, Ala.	Yokohama, Japan	Scrap iron.	7,200
Westmoreland.	24	24	Brit.	Federal Steam Nav. Co.	Liverpool, Eng.	New Zealand	Ballast	
Kaipara 2.	23	24	Brit.	Amer. & Aust. Line.	Glasgow, Scot.	Sydney, Australia	General	4,493
Thurland Castle 2.	24	24	Brit.	Barber Line	New York, N. Y.	Shanghai, China.	General	2,723
Bethore	24	24	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Olympia Maru 2.	24	24	Jap.	Mitsubishishi Shoji K.	Pt. Tampa, Fla.	Yokohama, Japan	Phosphate	8,395
Winslow 5.	7	7	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Santa Clara.	24	25	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,694
Nitro 14.	24	25	Amer.	U. S. Navy	Norfolk, Va.	Mare Is., Calif.	Navy stores.	3,119
California.	25	26	Amer.	Panama-Pacific Line.	New York, N. Y.	San Francisco, Cal.	(15)	2,448
Caasin 9.	25	28	Amer.	U. S. Navy	Philadelphia, Pa.	San Diego, Calif.	Ballast	
California Ex- press. 2.	24	25	Nor.	Fruit Express Line.	Glasgow, Scot.	Seattle, Wash.	Ballast	
Wellington Court.	24	25	Brit.	Canadian Transp. Co.	Baltimore, Md.	Vancouver, B. C.	Ballast	
Winona	25	25	Amer.	Pac. Coast Dir. Line.	Philadelphia, Pa.	Seattle, Wash.	General	2,326
Empire Star 2.	25	25	Brit.	Blue Star Line.	Swansea, England	Duenden, N. Z.	General	6,463
Weser 2.	25	26	Ger.	North German Lloyd.	Hamburg, Ger.	Vancouver, B. C.	General	2,332
Oropesa.	25	26	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile.	General	2,251
Nurnberg 2.	25	26	Ger.	North German Lloyd.	Hamburg, Ger.	Corral, Chile	General	4,225
Besholt 2.	25	26	Nor.	S. Holter Sorensen.	Philadelphia, Pa.	Yokohama, Japan	Scrap iron.	8,230
Andrea F. Luck- bach.	25	26	Amer.	Luckenbach Line.	Providence, R. I.	Seattle, Wash.	General	3,629
Hawaii.	26	26	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,959
San Jose.	25	27	Amer.	United Fruit Co.	Boston, Mass.	Pto. Arm'les, R.P.	Ballast	
Kamschatnetfj.	25	26	Rus.	U. S. S. R.	Baltimore, Md.	Vladiv'k, U.S.S.R.	Const. steel	2,200
Olney 1.	25	26	Amer.	Shell Pet. Corp.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
E. J. Hooper, No. 1. 5.	25	26	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Talaralie 1.	24	27	Brit.	International Pet. Co.	Barranquilla, Col.	B'ventura, Col.	(16)	2,208
Thistlegarth	26	27	Brit.	Bank Line	New York, N. Y.	Yokohama, Japan	Scrap iron.	7,616
Gypsum Queen.	26	27	Brit.	Chile Nit. Sales Corp.	Wilmington, N. C.	Chile	Ballast	
Trois Ilets	24	27	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	13
Trimountain 1.	27	27	Amer.	Shell Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	
Vittorio Emman- uele III.	27	27	Brit.	Wheelocks, Ltd.	Norfolk, Va.	Los Angeles, Cal.	Ballast	
Ino 2.	25	27	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Tumaco, Colom.	General	148
San Felipe	25	27	Amer.	Quaker Line	Norfolk, Va.	Tacoma, Wash.	(17)	3,831
Istmo	26	27	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	290
Manizales	26	27	Ger.	North German Lloyd.	Cristobal, C. Z.	Guayaquil, Ecua.	General	169
West Notus.	27	27	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	Steel gen.	2,461
Tuira 2.	26	26	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu 2.	26	26	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Nancy 5.	26	26	Amer.	S. F. Donaldson	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
S-43 7.	26	26	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-44 7.	26	26	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-46 7.	26	26	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-47 7.	26	26	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Massmar	27	28	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel gen.	8,418
Mallard 10.	27	28	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Gen. Wm. M. Graham. 11	18	28	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Sirius	26	31	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	General	2,972
Memphis City	29	29	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Hilo, T. H.	Steel gen.	6,370
Arkansan	29	29	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General	4,484
Chr. Knudsen 2.	28	29	Nor.	Canadian Transp. Co.	Demerara, B. W. I.	Vancouver, B. C.	Sugar	8,000
Clio 2.	28	29	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	51
King Edwin 2.	28	29	Brit.	Anglo-Can. S. S. Co.	Cardiff, Wales.	Vancouver, B. C.	Ballast	
Northleigh.	29	29	Brit.	Seaboard Ship. Co.	Barry, England.	Vancouver, B. C.	Ballast	
Binna	29	30	Nor.	Holta	Galveston, Tex.	Yokohama, Japan	Scrap iron.	10,028
Stirlingville 2.	29	30	Nor.	Continental Grain Co.	Philadelphia, Pa.	Moji, Japan.	Scrap rails	8,756
Pereira	22	30	Pan.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	689
Porto Bello 3.	29	29	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
J-47 5.	29	29	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	

1 Tanker. 2 Motor ship. 3 Motor schooner. 5 Launch. 7 Submarine. 9 Destroyer. 10 Mine sweeper. 11 Mine planter. 13 Sailboat. 14 Auxiliary. 15 General, machinery, etc. 16 Diesel oil, gasoline. 17 Pipe, general, steel.



ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
City of Brisbane.	29	30	Brit.	Amer. & Aust. Line.	Philadelphia, Pa.	Adelaide, Aust.	(14)	4,988
Point Caleta.	30	30	Amer.	Swayne & Hoyt.	New Orleans, La.	Seattle, Wash.	General.	4,794
King Edgar.	30	30	Brit.	Anglo-Can. S. S. Co.	S. Shields, Eng.	Los Angeles, Cal.	Ballast.	
Columbia Maru.	30	30	Jap.	Mitsubishi Shoji K.	Pt. Tampa, Fla.	Yokohama, Japan	Phosphate.	8,337
Sons.	29	29	Pan.	Elliot Ship. & Land Co.	Cristoba, C. Z.	Balboa, C. Z.	Ballast.	36
Pirate.	30	31	Amer.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>		20
San Simeon.	30	31	Pan.	Quaker Line	New York, N. Y.	Tacoma, Wash.	Steel, gen.	3,059
Cielon.	28	1	Ger.	Heinecke & Co.	Hamburg, Ger.	Callao, Peru	Ballast.	
Leticia.	31	1	Pan.	A. Tagaropulos	Cristobal, C. Z.	Aguadulce, R. P.	Ballast.	
Knud Rasmussen	30	1	Dan.	United Fruit Co.	Avonmouth, Eng.	S. Francisco, Cal.	Ballast.	
Gen. Wm. M. Graham.	29	29	Amer.	U. S. Army	Cristobal, C. Z.	Ped. Miguel, C. Z.	Tow barges.	
Nebraskan	31	31	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General.	2,720
City of Yokohama	31	1	Brit.	Mont.-Aust.-N.Z. Line	Louisburg, N. S.	Sydney, Australia	General.	5,275
Santa Barbara.	31	1	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General.	2,132
Republic.	31	2	Amer.	U. S. Army	New York, N. Y.	Honolulu, T. H.	General.	2,599
President Harrison.	1	1	Amer.	Dollar Line	New York, N. Y.	S. Francisco, Cal.	General.	3,388
Lillian Luckenbach.	1	1	Amer.	Luckenbach Line.	Boston, Mass.	Tacoma, Wash.	General.	3,415
Rignor.	31	1	Nor.	Anglo-Saxon Pet. Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast.	
Arawa.	1	1	Brit.	Shaw, Savill & Albion	London, England	Wellington, N. Z.	General.	5,050
Hoyanger.	1	2	Nor.	Westfal, Larsen & Co.	Buenos Aires, Arg.	Vancouver, B. C.	General.	4,250
Tento.	1	2	Nor.	E. B. Asby Rederi.	Baltimore, Md.	Osaka, Japan.	Scrap iron.	6,814
Geddington Court	1	2	Brit.	Canadian Transp. Co.	Cardiff, Wales.	N. Pacific port.	Ballast.	
Antigone.	1	2	Brit.	Mersey Paper Co.	Liverpool, N. S.	Dunedin, N. Z.	Paper.	4,253
Marina.	1	2	Dan.	West Coast Line	New York, N. Y.	Talcahuano, Chile	General.	2,300
Puerto Rican.	2	2	Amer.	Chile Nit. Sales Corp.	Lake Charles, La.	Tocopilla, Chile.	Ballast.	
Silverwainut.	2	2	Brit.	Silver Line, Ltd.	Boston, Mass.	Hongkong, China	General.	3,945
City of Derby.	1	2	Brit.	Norton, Lilly & Co.	Baltimore, Md.	Dalny, China.	General.	7,442
Nero.	31	2	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Tumaco, Colom.	General.	73
Wisconsin.	2	2	Fr.	French Line	Havre, France.	Vancouver, B. C.	General.	3,951
Knute Nelson.	2	3	Nor.	Fred Olsen Line	Oslo, Norway.	Vancouver, B. C.	General.	5,850
City of Rayville.	2	3	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Yokohama, Japan	Gen., autos.	5,692
Dakotan.	2	3	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	3,755
Ferdale.	2	3	Nor.	Fearnley & Eger	Pt. Tampa, Fla.	Kobe, Japan	Phos. rock.	7,205
Nako Maru.	3	3	Jap.	Nippon Yusen Kaisha	Boston, Mass.	Kobe, Japan	(15)	7,572
Dirigo.	2	3	Amer.	The Texas Co.	Pt. Arthur, Tex.	Los Angeles, Cal.	Lub. oil.	9,126
Ino.	2	3	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General.	188
Emergency Aid.	3	3	Amer.	McCormick S. S. Co.	Chester, Pa.	Seattle, Wash.	General.	3,682
Mundelta.	3	4	Brit.	Whelocks & Co.	Philadelphia, Pa.	Los Angeles, Cal.	Ballast.	
Nuevo Panama.	2	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General.	175
Patricia.	3	4	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Champ'ico, Guat.	Ballast.	
Pirate.	3	4	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>		20
Nordpol.	3	4	Dan.	States Marine Corp.	New York, N. Y.	Kobe, Japan	Scrap iron.	7,650
Darlington Court.	4	4	Brit.	Canadian Transp. Co.	London, England	Vancouver, B. C.	Ballast.	
S-45.	3	4	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Brimanger.	3	4	Nor.	Interocean S. S. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.	
Pacific.	4	4	Amer.	Weyerhaeuser S. S. Co.	New York, N. Y.	Seattle, Wash.	Steel, gen.	2,668
Marisa.	4	4	Neth.	Shell Oil Co.	Curacao, N. W. I.	Los Angeles, Cal.	General.	
Dorie Star.	4	4	Brit.	Shaw, Savill & Albion	Antwerp, Belgium	N. Plymouth, N. Z.	General.	6,636
Franz Klasen.	4	4	Pan.	W. Tankerschiff Rhed'i.	Hamburg, Ger.	Talara, Peru	Ballast.	
Frimaire.	4	4	Fr.	Anglo-Saxon Pet. Co.	Berre, France.	Talara, Peru	Ballast.	
Lebore.	4	4	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.	
Roda.	2	4	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General.	5,675
Axel Johnson.	2	4	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B. C.	Gen., cement	4,237
Istmo.	3	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	360
Modavia.	4	4	Brit.	Donaldson Brothers	Glasgow, Scot.	Vancouver, B. C.	General.	1,472
Durazzo.	4	4	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecu.	General.	313
Trois Ilets.	3	4	Fr.	French Line	Cristobal, C. Z.	Manta, Ecuador.	General.	38
Acajutla.	29	5	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General.	510
Carolinian.	4	5	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Tacoma, Wash.	Steel, gen.	1,540
Asbjorn.	4	5	Dan.	Isbrandtsen Moller.	New York, N. Y.	Kobe, Japan	General.	6,583
Asakasan Maru.	4	5	Jap.	Mitsui Bussan Kaisha	Baltimore, Md.	Yokohama, Japan	General.	6,123
Beaconstar.	5	5	Amer.	Standard Oil of N. J.	Baltimore, Md.	Talara, Peru	Ballast.	
Mathew Luckenbach.	5	5	Amer.	Luckenbach-Gulf Co.	Houston, Tex.	Seattle, Wash.	General.	6,286
Gerassimos Vergottis.	5	5	Greek	Adelphi Vergatti, Ltd.	Boston, Mass.	Yokohama, Japan	Scrap iron.	8,527
Itukushima Maru.	5	5	Jap.	Kyodo Gyogyo K. Kaisha.	Tuxpan, Mexico.	Yokohama, Japan	Crude oil.	11,410
Boskoop.	4	5	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General.	4,393
Germa.	5	5	Nor.	Hasegama & Co.	Texas City, Tex.	Osaka, Japan.	Scrap iron.	6,896
Porto Bello.	5	5	Pan.	A. Tagaropulos	Cristobal, C. Z.	Real, R. P.	General.	3
Canadian.	4	6	Amer.	Grace Line	Philadelphia, Pa.	Valparaiso, Chile.	General.	5,093
Erviken.	5	6	Nor.	Polaris S. S. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast.	
Charles Christenson.	5	6	Amer.	Arrow Line	New York, N. Y.	Seattle, Wash.	General.	2,473

1 Tanker. 2 Motor ship. 3 Motor schooner. 7 Submarine. 8 Transport. 11 Mine planter. 13 Machinery, general. 14 For bananas and return to Cristobal. 15 Gasoline, oil, etc.



## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Rabaul <sup>2</sup>	6	6	Brit.	N. Z. Shipping Co.	London, England	Wanguanui, N. Z.	Sulphur, gen.	7,623
Pan Aruba <sup>1 2</sup>	6	6	Nor.	Huasteca Pet. Co.	Rotterdam, Neth.	Talara, Peru	Ballast	
Pyrrhus	6	6	Brit.	Alfred Holt & Co.	Liverpool, Eng.	Portland, Oreg.	Ballast	
Aldington Court <sup>2</sup>	6	6	Brit.	Anglo-Can. S. S. Co.	Antwerp, Belgium	Vancouver, B. C.	Ballast	
Torvanger	5	6	Nor.	Chile Nit. Sales Corp.	Hamburg, Ger.	Chile	Ballast	
Troma <sup>2</sup>	5	6	Nor.	L. Mowinkel Rederi	Liverpool, Eng.	Los Angeles, Cal.	Ballast	
Tolten <sup>2</sup>	6	6	Brit.	TrinderAnderson & Co.	Liverpool, Eng.	Vancouver, B. C.	Ballast	
Kunikawa Maru <sup>2</sup>	6	6	Jap.	Kawasaki K. Kaisha.	Philadelphia, Pa.	Kobe, Japan	(15)	7,112
Oakland <sup>2</sup>	6	6	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B. C.	General.	2,799
Lochgoil <sup>2</sup>	6	7	Brit.	Royal Mail Lines	Rotterdam, Neth.	Portland, Oreg.	General.	4,296
Real <sup>2</sup>	6	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona <sup>2</sup>	5	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Pirate <sup>2</sup>	6	7	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>	Ballast	20
Trontolite <sup>1 2</sup>	6	7	Brit.	Imperial Oil Co.	St. John, N. B.	Talara, Peru	Ballast	
Bordeaux Maru	6	7	Jap.	K. Line	New York, N. Y.	Moji, Japan	(16)	7,708
Sanyo Maru <sup>2</sup>	6	7	Jap.	Osaka Shosen Kaisha.	Portland, Me.	Kobe, Japan	General.	7,459
Kate	6	7	Greek.	W. D. Lykiardopulo.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Osnabruk <sup>2</sup>	6	7	Ger.	North German Lloyd.	Hamburg, Ger.	Valparaiso, Chile.	(17)	2,945
Ekatontarchos	7	7	Greek.	Dracoulis Brothers.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Dracoulis.								
La Union <sup>2</sup>	5		Pan.	A. Valdes	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
J-26 <sup>5</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Sambu <sup>2</sup>	6		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>		25
Heina <sup>2</sup>	7	8	Nor.	Seaboard Ship. Co.	Hull, England	Vancouver, B. C.	Ballast	
Mersington Court	7	8	Brit.	Chile Nit. Sales Corp.	Genoa, Italy	Chile	Ballast	
Kaimata <sup>2</sup>	7	8	Brit.	Mont.-Aust.-N.Z. Line	St. John, N. B.	Adelaide, Aust.	General.	5,115
Washington Express. <sup>2</sup>	8	8	Nor.	Fruit Express Line.	Glasgow, Scot.	Los Angeles, Cal.	Ballast	
Nairnbank <sup>2</sup>	8	8	Brit.	Bank Line, Ltd.	Galveston, Tex.	Adelaide, Aust.	Gen., cotton.	4,458
African Reefer <sup>2</sup>	8	8	Dan.	J. Lauritzen	Hook of Holland.	Los Angeles, Cal.	Ballast	
Snestad <sup>2</sup>	8	8	Nor.	Fern Line.	New Orleans, La.	Yokohama, Japan	(18)	6,388
Lagarto <sup>2</sup>	7	8	Brit.	Pacific Steam Nav. Co.	Hull, England	Valparaiso, Chile.	General.	2,893
Santa Rita <sup>2</sup>	8	9	Amer.	Graec Line	New York, N. Y.	Chanaral, Chile.	General.	2,379
Loke <sup>13</sup>			Amer.	O. Peterson	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Hobo <sup>13</sup>			Amer.	M. C. Dunn	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Hi-Wini <sup>13</sup>			Amer.	H. Rose	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Toulouse <sup>2</sup>	8	9	Nor.	Barber Wilhelmsen	New York, N. Y.	Osaka, Japan.	(19)	7,769
Kansan	9	9	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	3,675
Atlantic <sup>1 2</sup>	9	9	Nor.	Standard Oil of N. J.	Caripito, Venez.	Tocopilla, Chile.	Fuel oil.	10,900
Daylight <sup>1 2</sup>	9	9	Amer.	Seoony-Vac. Oil Co.	London, England	Los Angeles, Cal.	Ballast	
Marore	9	9	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Primer <sup>2</sup>	8	9	Nor.	Ataka & Co.	New York, N. Y.	Osaka, Japan.	Scrap iron.	7,285
Thalatta <sup>2</sup>	8	9	Nor.	Maersk Line	Norfolk, Va.	Yokohama, Japan	General.	6,818
Walter A. Luckenbach.	9	9	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General.	4,814
Chickasaw City	9	9	Amer.	Isthmian S. S. Lines.	New York, N. Y.	Seattle, Wash.	Steel, gen.	3,073
Leo Dawson	9	9	Brit.	Chile Nit. Sales Corp.	Newport, Eng.	Chile	Ballast	
Clio <sup>2</sup>	7	9	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.	72
Nero <sup>2</sup>	8	9	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Tumaco, Colom.	General.	90
Yamabiko Maru.	9	9	Jap.	Yamashita Kisen K.	Buenos Aires, Arg.	Yokohama, Japan	(20)	2,755
Grover J. <sup>13</sup>			Amer.	Grover Gravatt	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sea Deer <sup>13</sup>			Amer.	Babby Patchett	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Me-an-Pop <sup>13</sup>			Amer.	Fred Hauss	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Salvus	9	10	Brit.	Freeport Sulphur Co.	Freeport, Tex.	Fremantle, Aust.	Sulphur	8,032
Yorkmar	9	10	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	8,231
Theofano Livanos	10	10	Greek.	S. Livanos & Co.	New York, N. Y.	Kamatsi, Japan	Scrap iron.	7,714
El Aleto <sup>1 2</sup>	10	10	Brit.	C. T. Bowring & Co.	Ellesmere, Eng.	Cabo Bl'co, Peru	Ballast	
San Amado	10	10	Nor.	Eagle Oil & Ship. Co.	London, England	Los Angeles, Cal.	Ballast	
Risanger	10	10	Nor.	States Marine Corp.	Boston, Mass.	Yokohama, Japan	(21)	7,132
Pacific Enterprise. <sup>2</sup>	10	10	Brit.	Furness, Withy & Co.	Glasgow, Scot.	Vancouver, B. C.	General.	952
Santa Maria <sup>6</sup>	9		Pan.	J. A. Sexton	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Col. Riche <sup>5</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	

## PACIFIC TO ATLANTIC

Remuera	10	11	Brit.	N. Z. Shipping Co.	Auckland, N. Z.	London, England	Frozen, gen.	4,835
Leme <sup>2</sup>	9	11	Ital.	Italia S. A.	N. West'mer, B. C.	Trieste, Italy	General.	8,967
Harry Luckenbach	10	11	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,486
Nicolaou Ourania.	10	11	Greek.	Canadian-Pac. Line	Pt. Alberni, B. C.	London, England	(22)	9,000
Sanyo Maru <sup>2</sup>	11	11	Jap.	Osaka Shosen Kaisha.	Kobe, Japan	Baltimore, Md.	General.	1,913
Ino <sup>2</sup>	10	13	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	General.	129
Australian Reefer <sup>2</sup>	11	11	Dan.	J. Lauritzen	Seattle, Wash.	Haifa, Palestine.	Fruit.	1,631
Santa Clara	7	11	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General.	3,649
Kunikawa Maru <sup>2</sup>	11	12	Jap.	Kawasaki K. Kaisha.	Pulupandan, P. I.	New York, N. Y.	Sugar, gen.	5,251

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>6</sup> Yacht. <sup>13</sup> Sailboat. <sup>14</sup> For bananas and return to Cristobal. <sup>15</sup> Scrap iron, copper. <sup>16</sup> Pig iron and cotton. <sup>17</sup> General, iron, cement, etc. <sup>18</sup> Cotton, scrap iron. <sup>19</sup> Scrap iron, general. <sup>20</sup> Oil, wool, hides, etc. <sup>21</sup> Scrap iron, steel. <sup>22</sup> Lumber, barley, wheat.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Chateau Thierry <sup>8</sup>	9	12	Amer.	U. S. Army	Balboa, C. Z.	New York, N. Y.	Army stores.	24
Mount Helikon	11	11	Greek.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>13</sup> .	Nitrate.	8,275
Koryu Maru <sup>2</sup>	10	11	Jap.	United Ocean Transp.	Iloilo, P. I.	New York, N. Y.	Sugar, gen.	8,933
Nero <sup>2</sup>	11	12	Neth.	Royal Neth. S. S. Co.	Tumaco, Colomb.	Cristobal, C. Z.	Coffee, gen.	243
Tismaren <sup>2</sup>	11	12	Swed.	Burns, Philip S. S. Co.	Port Pirie, Aust.	Newcastle, Eng.	(14)	8,748
Fella <sup>2</sup>	11	12	Ital.	Italian Line.	Vancouver, B. C.	Trieste, Italy.	General.	6,506
Durazzo	11	16	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecua.	Cristobal, C. Z.	General.	1,150
Maine	11	12	Amer.	Calif.-Eastern Line.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,930
Peter Kerr.	11	12	Amer.	Seaboard Ship. Co.	Pt. Alberni, B. C.	New York, N. Y.	Lumber.	8,925
Helm No. 388 <sup>9</sup>	12	12	Amer.	U. S. Navy.	Balboa, C. Z.	Cristobal, C. Z.	(15)	9,040
Anglo Peruvian.	11	13	Brit.	Anglo-Can. S. S. Co.	Powell Riv., B. C.	London, England	(15)	1,192
Platano	11	12	Pan.	United Fruit Co.	Pto. Arm'les, R. P.	New York, N. Y.	Bananas.	9,202
Puerto Rican.	12	12	Amer.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Mobile, Ala.	Nit. of soda.	6,900
Asakasan Maru <sup>2</sup>	12	12	Jap.	Mitsui Bussan Kaisha	Manila, P. I.	Philadelphia, Pa.	General.	8,560
Northampton Court	12	12	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	London, England	Grain, lum.	8,297
Kahuku	12	12	Brit.	Matson Nav. Co.	Honolulu, T. H.	Philadelphia, Pa.	Raw sugar.	5,279
Anniston City.	12	12	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Baltimore, Md.	(16)	7,648
Nevadan	12	12	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General.	13
Maria Cristina <sup>2</sup>	12	12	Pan.	A. Tagaropoulos	Darien, R. P.	Cristobal, C. Z.	(17)	19
Rear 2	12	13	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	30
Frank <sup>2</sup>	12	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	1,550
Vibrant <sup>2</sup>	12	13	Nor.	Knutson Line.	Portland, Oreg.	London, England	Fruit.	7,470
Kongo Maru <sup>2</sup>	12	13	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	New York, N. Y.	Silk, gen.	70
Trois Ilets.	13	16	Fr.	French Line.	B'ventura, Col.	Cristobal, C. Z.	Coffee	5,053
Christiansborg.	13	13	Dan.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Wilmington, N. C.	Nitrate.	11,406
Firenze <sup>2 6</sup>	13	14	Amer.	M. R. Guggenheim.	Long Beach, Cal.	Miami, Fla.	Ballast	7,263
Orbita	13	14	Brit.	Pacific Steam Nav. Co.	Talcahuano, Chile	Liverpool, Eng.	General.	11,031
Tornus <sup>1 2</sup>	14	14	Brit.	Curacaosche Pet. Ind.	S. Francisco, Cal.	Curacao, N. W. I.	Gasoline	7,031
Hindanger <sup>2</sup>	14	14	Nor.	Interocean S. S. Co.	Los Angeles, Cal.	Havre, France	Lumber, gen.	886
Ciss	14	15	Nor.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	8,014
Tacoma	14	15	Ger.	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	Lumber, gen.	6,265
Point Judith.	15	15	Amer.	Swayne & Hoyt.	Portland, Oreg.	New Orleans, La.	Lumber, gen.	8,073
Forbes Hauptman	15	15	Amer.	Bulk Carriers Corp.	Portland, Oreg.	Houston, Tex.	Wheat	4,872
Santa Barbara <sup>2</sup>	15	15	Amer.	Grace Line.	San Antonio, Chile	New York, N. Y.	General.	635
Salvador.	15	22	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	General.	7,554
Arizona.	15	15	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	2,568
Frida.	15	15	Dan.	West Coast Line.	Talcahuano, Chile	New York, N. Y.	Nitrate, gen.	7,329
Gannet <sup>4</sup>	15	16	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	General.	7,400
Nansenville <sup>2</sup>	15	16	Neth.	Fred Olsen.	Vancouver, B. C.	Oslo, Norway.	General.	10,270
Rolling Stone <sup>2 5</sup>	15	16	Pan.	R. Wilcox.	Balboa, C. Z.	Cristobal, C. Z.	Ballast	38
Taira <sup>2</sup>	15	16	Pan.	Julio Lafargue.	Darien, R. P.	Cristobal, C. Z.	Bananas	7,715
Rhakotis <sup>2</sup>	15	16	Ger.	Hamburg-Amer. Line.	Corral, Chile.	Hamburg, Ger.	General.	9,922
Frederic R. Kellogg. <sup>1</sup>	15	16	Amer.	Standard Oil of N. J.	Talara, Peru.	Aruba, N. W. I.	(18)	8,790
Pacific Ranger <sup>2</sup>	15	16	Brit.	Furness, Withy & Co.	Victoria, B. C.	Glasgow, Scot.	General.	9,150
Jutland	15	16	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	Hull, England.	Grain, lum.	8,600
Rupert De Larrinaga.	16	16	Brit.	Chile Nit. Sales Corp.	Iquique, Chile.	Azores <sup>13</sup> .	Nitrate.	322
Clio <sup>2</sup>	16	22	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	General.	7,371
L-53 <sup>5</sup>	16	16	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	General.	6,561
M-101 <sup>5</sup>	16	16	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	General.	7,400
Missourian <sup>2</sup>	16	17	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General.	6,561
Helen Whittier.	17	17	Amer.	Matson Nav. Co.	Honolulu, T. H.	Baltimore, Md.	General.	7,400
W. R. Kever.	17	17	Amer.	Dutton Lumber Corp.	Portland, Oreg.	New York, N. Y.	Lumber.	10,270
Alva <sup>2 6</sup>	16	20	Amer.	W. K. Vanderbilt.	Miami, Fla.	Miami, Fla.	Ballast	8,025
Lochkatrine <sup>2</sup>	17	18	Brit.	Royal Mail Lines.	Victoria, B. C.	Rotterdam, Neth.	General.	8,612
Talarakite <sup>1</sup>	17	17	Brit.	International Pet. Co.	Corinto, Nic.	Barranquilla, Col.	Ballast	6,217
Robert Luckenbach.	17	17	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	General.	700
Bolton Castle.	17	17	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Alexandria, Egypt	Nit. of soda.	6,183
Surrey	17	18	Brit.	N. Z. Shipping Co.	New Zealand.	London, England	Frozen, gen.	21,300
Istmo	17	21	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee.	265
Valparaiso <sup>2</sup>	17	18	Swed.	Johnson Line.	San Antonio, Chile	Goth'burg, Swed.	General.	1,150
Crawford Ellis.	17	18	Nor.	United Fruit Co.	Los Angeles, Cal.	New Orleans, La.	Ballast	862
Lebore.	18	18	Amer.	Ore S. S. Corp.	Cruz Gr de, Chile	Baltimore, Md.	Iron ore.	8,150
Nero <sup>2</sup>	17	19	Neth.	Royal Neth. S. S. Co.	Tumaco, Colomb.	Cristobal, C. Z.	Coffee, hides	6,595
Marie Leonhardt.	17	20	Ger.	North German Lloyd.	Champ'ico, Guat.	Hamburg, Ger.	(19)	2,597
San Tiburcio <sup>1</sup>	18	18	Brit.	Eagle Oil & Ship. Co.	Talcahuano, Chile	Tampico, Mexico	Ballast	862
Vermar	18	18	Amer.	Calmar S. S. Corp.	Portland, Oreg.	Baltimore, Md.	Lumber.	8,150
Cerigo.	18	23	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecua.	Cristobal, C. Z.	(20)	8,150
Hoegh Carrier <sup>2</sup>	18	19	Nor.	Skip. Arnstein.	Nasugbu, P. I.	U. S. A. Atl. ports	Sugar	7,793
General W. M. Graham. <sup>11</sup>	18	19	Amer.	U. S. Army.	Balboa, C. Z.	Cristobal, C. Z.	General.	7,129
Marian Otis Chandler. <sup>1</sup>	18	19	Amer.	Matson Nav. Co.	Hilo, T. H.	Galveston, Tex.	Sugar	5,574
John Bakke <sup>2</sup>	18	19	Nor.	Scand. S. Pac. Line.	Antofagasta, Chile	Oslo, Norway	General.	7,129
F. J. Luckenbach.	19	19	Amer.	Luckenbach Line.	Seattle, Wash.	Mobile, Ala.	General.	5,574

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>6</sup> Yacht. <sup>8</sup> Transport. <sup>9</sup> Destroyer. <sup>11</sup> Mine planter. <sup>13</sup> For orders. <sup>14</sup> Copra, lead, zinc. <sup>15</sup> Lumber, grain, pulp. <sup>16</sup> Pulp, lumber, general. <sup>17</sup> Plantains, lumber. <sup>18</sup> Blending naphtha. <sup>19</sup> Coffee, cotton, lumber. <sup>20</sup> Coffee, hides, nuts.

## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Musa	19	19	Pan...	United Fruit Co. . . . .	Pto. Arm'les, R. P.	New York, N. Y.	Bananas . . . . .	1,500
Nuevo Panama <sup>2</sup>	19	20	Pan...	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas . . . . .	51
Daldorch	19	20	Brit...	Anglo-Can. Ship. Co.	Brit. Columbia	London, England	Grain, lum. . . . .	8,050
West Cactus	18	20	Amer.	McCormick S. S. Co.	Coos Bay, Oreg.	Buenos Aires, Arg.	General . . . . .	6,127
Willmoto <sup>2</sup>	19	19	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen. . . . .	7,115
Frank <sup>2</sup>	19	20	Pan...	E. J. Hooper	Darien, R. P.	Cristobal, C. Z.	Bananas . . . . .	33
Real <sup>2</sup>	19	20	Pan...	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas . . . . .	35
Kent	19	20	Brit...	Federal Steam Nav. Co.	Dunedin, N. Z.	Glasgow, Scot.	Frozen, gen. . . . .	6,327
Munchen <sup>2</sup>	19	20	Ger.	North German Lloyd.	Corral, Chile	Hamburg, Ger.	General . . . . .	7,060
Oregon Express <sup>2</sup>	20	20	Nor.	Fruit Express Line . . .	Seattle, Wash.	Glasgow, Scot.	Fresh fruit . . . . .	1,900
Kaikoura <sup>2</sup>	20	21	Brit.	Trinder Anderson Co.	Napier, N. Z.	Halifax, N. S.	General . . . . .	1,198
New Westminster City.	20	20	Brit.	Reardon Smith Line . .	Vancouver, B. C.	Avonmouth, Eng.	Wheat, cot. . . . .	6,000
Akaroa	20	21	Brit.	Shaw, Savill & Albion	Wellington, N. Z.	London, England	Frozen, gen. . . . .	6,528
Porto Bello <sup>5</sup>	20	20	Pan...	A. Tagaropoulos . . . . .	Darien, R. P.	Colon, R. P.	(14)	43
Gothic Star	20	21	Brit.	Blue Star Line . . . . .	N. Westminster, B. C.	Newcastle, Eng.	Frozen, gen. . . . .	4,961
Hokkai Maru <sup>2</sup>	20	21	Jap.	Osaka Shosen Kaisha.	Iloilo, P. I.	New York, N. Y.	General . . . . .	5,500
Edward Luckenbach.	21	21	Amer.	Luckenbach Line . . . .	Seattle, Wash.	Boston, Mass.	General . . . . .	8,613
Panama	21	21	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General . . . . .	5,806
Socony Vacuum <sup>1</sup>	21	21	Amer.	Socony-Vac. Oil Co. . .	Los Angeles, Cal.	Providence, R. I.	Gasoline . . . . .	14,010
Uffington Court.	21	21	Brit.	Seaboard Shipping Co.	Vancouver, B. C.	London, England	Wheat, lum. . . . .	8,610
President de Vogue, <sup>1 2</sup>	21	21	Nor.	Cia. Des. Prod. Chim.	Talara, Peru . . . . .	Pt. de Bouc, Fr.	Crude oil . . . . .	13,701
San Gabriel	21	21	Amer.	Pacific-Atl. S. S. Co.	S. Francisco, Cal.	Philadelphia, Pa.	General . . . . .	2,801
Stenshy <sup>2</sup>	21	21	Dan.	Canadian Transp. Co.	Vancouver, B. C.	Avonmouth, Eng.	Lum., grain . . . . .	6,678
Benledi	21	22	Brit.	G. H. Seales, Ltd. . . . .	Townsville, Aust.	Dunkerque, Fr.	(15)	6,580
Pennsylvania	21	22	Amer.	Panama-Pacific Line . .	S. Francisco, Cal.	New York, N. Y.	Fruit, gen. . . . .	7,639
Marore	22	22	Amer.	Ore S. S. Corp. . . . .	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore . . . . .	22,500
Trongate	21	22	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>13</sup>	Nitrate . . . . .	6,800
Washington	22	22	Amer.	Weyerhaeuser S. S. Co.	Los Angeles, Cal.	Baltimore, Md.	Lumber, gen. . . . .	7,532
Santa Rita <sup>2</sup>	22	22	Amer.	Grace Line . . . . .	Chanaral, Chile.	New York, N. Y.	Copper, gen. . . . .	2,298
Pereira	22	23	Fr.	Grace Line . . . . .	Champ'co, Guat.	Cristobal, C. Z.	General . . . . .	751
Washington <sup>2</sup>	22	23	Pan.	Franch Line . . . . .	Vancouver, B. C.	Havre, France.	General . . . . .	8,571
Tuira <sup>2</sup>	22	23	Pan.	Julio Lafargue . . . . .	Darien, R. P.	Cristobal, C. Z.	Bananas . . . . .	48
Lila <sup>2</sup>	22	23	Pan.	Manuel Lopez . . . . .	Chepo, R. P.	Cristobal, C. Z.	Bananas . . . . .	25
Hoxbar <sup>1</sup>	23	23	Amer.	Petrol Corp. . . . .	Pt. Petrol, Calif.	Perth Amboy, N. J.	Crude oil . . . . .	10,360
Oregonian	22	23	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General . . . . .	5,407
Temple Bar	22	23	Brit.	Anglo-Canadian Co. . .	Pt. Alberni, B. C.	Hull, England . . .	Wheat, lum. . . . .	7,500
Elwood <sup>1</sup>	22	23	Amer.	Shell Oil Co. . . . .	Los Angeles, Cal.	Providence, R. I.	(16)	10,458
Koyei Maru <sup>2</sup>	23	23	Jap.	United Ocean Trans. Co.	Iloilo, P. I.	New York, N. Y.	Silk, sugar . . . . .	8,800
Manocran <sup>2</sup>	23	23	Neth.	Pac.-Java-Bengal Line	Belawan, Sum.	Calcutta, India.	General . . . . .	8,438
Hird <sup>2</sup>	23	24	Nor.	States Marine Corp. . .	Manila, P. I.	New Orleans, La.	Sugar . . . . .	8,250
Langeford	23	24	Brit.	Louis Dreyfus & Co.	Portland, Oreg.	Lisbon, Portugal.	Wheat . . . . .	7,086
Trois Ilets.	24	27	Fr.	French Line . . . . .	B'ventura, Col.	Cristobal, C. Z.	Coffee . . . . .	1,159
Copapo <sup>2</sup>	24	25	Chile.	Cia. Sud Amer. de Vap.	Corral, Chile . . . .	Hamburg, Ger.	General . . . . .	3,057
S-45 <sup>7</sup>	24	25	Amer.	U. S. Navy . . . . .	Balboa, C. Z.	Cristobal, C. Z.		
Temple Mead	24	24	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Liverpool, Eng.	Lum., grain . . . . .	7,327
Chlore	25	25	Amer.	Ore S. S. Corp. . . . .	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore . . . . .	22,000
Yomachichi <sup>2</sup>	24	25	Amer.	Roosevelt S. S. Co.	Adelaide, Aust.	Baltimore, Md.	General . . . . .	6,037
Ino	24	27	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecuac.	Cristobal, C. Z.	Coffee, gen. . . . .	171
Honomu	24	25	Amer.	Matson Nav. Co. . . . .	Hilo, T. H.	N. of Hatteras.	Sugar . . . . .	8,482
Karmt <sup>2</sup>	24	25	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Savannah, Ga.	(17)	8,872
Nyhorn <sup>2</sup>	24	25	Nor.	Knutsen Line . . . . .	Vancouver, B. C.	Belfast, Ireland.	Wheat, gen. . . . .	7,124
Ferncliff <sup>2</sup>	25	25	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	New Orleans, La.	Nitrate . . . . .	7,740
Helder	25	26	Neth.	Royal Neth. S. S. Co.	Corral, Chile . . . .	Hamburg, Ger.	General . . . . .	5,735
Vermont	24	26	Amer.	Calif.-Eastern Line . . .	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen. . . . .	7,310
Athina Livanos.	25		Greek.	Bunge Corp. . . . .	Portland, Oreg.	Lisbon, Portugal.	Wheat . . . . .	8,125
Temple Yard.	25	26	Brit.	Canadian Transp. Co.	Portland, Oreg.	London, England	Wheat, lum. . . . .	8,618
Harboe Jensen <sup>2</sup>	25	27	Nor.	United Fruit Co. . . . .	Pto. Arm'les, R. P.	Pto. Cortez, Hond.	Ballast . . . . .	
Manizales	26	27	Ger.	North German Lloyd.	Guayaquil, Ecuac.	Cristobal, C. Z.	Coffee, gen. . . . .	761
Kaia Knudsen <sup>1 2</sup>	25	26	Nor.	H. P. Drewry . . . . .	Cabo B'co, Peru.	Donges, France.	Crude oil . . . . .	13,919
William Luckenbach.	26	26	Amer.	Luckenbach Line . . . .	Tacoma, Wash.	Boston, Mass.	(18)	7,175
Absaroka	26	26	Amer.	McCormick S. S. Co.	Townsend, Wash.	Philadelphia, Pa.	Lumber, gen. . . . .	7,500
Moveria <sup>2</sup>	26	26	Brit.	Donaldson Line . . . . .	Vancouver, B. C.	Glasgow, Scot.	General . . . . .	5,764
Yamazuki Maru <sup>2</sup>	26	27	Jap.	Yamashita K. Kaisha	Kobe, Japan . . . . .	Buenos Aires, Arg.	General . . . . .	961
Point Estero	26	26	Amer.	Gulf-Pacific Line . . . .	Powell Riv., B. C.	Houston, Tex.	Gen., lumber . . . . .	5,080
Istmo	26	27	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee . . . . .	559
Frank <sup>2</sup>	25		Pan.	E. J. Hooper . . . . .	Darien, R. P.	Cristobal, C. Z.	Ballast . . . . .	
Tuira <sup>2</sup>	26	27	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas . . . . .	38
Ward <sup>2</sup>	26	27	Amer.	Roosevelt S. S. Co. . . .	Santo Nino, P. I.	Baltimore, Md.	Sugar, gen. . . . .	7,954
Celtic Monarch.	27	27	Brit.	Canadian Transp. Co.	Nehoue, N. Caled	Baltimore, Md.	Chrome ore . . . . .	8,200
Borgstad <sup>2</sup>	27	27	Nor.	Canadian Transp. Co.	Vancouver, B. C.	Pt. of Spain, Tr.	Lumber, gen. . . . .	6,230
Miss C. B. <sup>2</sup>	26	28	Brit.	Sanabria Mines, Ltd.	Tumaco, Colom.	Sta. Maria, Col.	Ballast . . . . .	
Queen Victoria <sup>2</sup>	27	27	Brit.	Thomas Dunlop Sons.	Philippine Is. . . . .	New York, N. Y. <sup>13</sup>	Sugar . . . . .	8,800
Porto Bello <sup>2</sup>	27	27	Pan.	A. Tagaropoulos . . . . .	Darien, R. P.	Colon, R. P.	(14)	9
Steele	28	28	Amer.	Ore S. S. Corp. . . . .	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore . . . . .	21,500

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>5</sup> Launch. <sup>7</sup> Submarine. <sup>13</sup> For orders. <sup>14</sup> Plantains, lumber. <sup>15</sup> Wool, zinc, concentrates. <sup>16</sup> Iso-octane, kerosene. <sup>17</sup> Nitrate, salt cake. <sup>18</sup> Lumber, canned goods.



PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Portland <sup>2</sup>	28	29	Ger	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	General	6,397
Naruto Maru <sup>2</sup>	27	28	Jap	Nippon Yusen Kaisha	Hilo, P. I.	New York, N. Y.	Silk, gen.	6,775
Trondanger <sup>2</sup>	28	28	Nor	Intercean S. S. Co.	Seattle, Wash.	Rotterdam, Neth.	Grain, gen.	8,263
Dinteldijk <sup>2</sup>	28	29	Neth	Holland-Amer. Line.	Victoria, B. C.	Rotterdam, Neth.	Wheat, gen.	8,662
Clio <sup>2</sup>	28	29	Neth	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	General	393
Point Palmas	28	28	Amer	Swayne & Hoyt	Portland, Oreg.	Panama City, Fla.	Lumber, gen.	5,492
Maranon	27	28	Peru	C. P. V. D.	Callao, Peru.	Iquitos, Peru	General	1,246
Marit <sup>1</sup>	28	29	Nor	Jorgen P. Jensen.	Tocopilla, Chile.	Aruba, N. W. I.	Ballast	
Utahan	29	29	Amer	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	5,874
Thorshovdi <sup>1 2</sup>	29	29	Nor	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Lands End <sup>13</sup>	(14)	14,090
Oklahoman	29	29	Amer	Grace Line.	Tocopilla, Chile.	Norfolk, Va.	Nitrate	8,302
Acajutla	29	5	Brit	Pacific Steam Nav. Co	Champ'ico, Guat.	Cristobal, C. Z.	General	669
Santa Lucia	29	30	Amer	Grace Line.	San Antonio, Chile	New York, N. Y.	General	5,829
San Rafael	29	30	Amer	Quaker Line.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,436
Ludington <sup>8</sup>	28	30	Amer	U. S. Army	Honolulu, T. H.	New York, N. Y.	Supplies	869
Elin K.	29	29	Nor	Chile Nit. Sales Corp.	Tocopilla, Chile.	Wilmington, N.C.	Nitrate	8,315
Sona <sup>2</sup>	29	30	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
Rangitiki <sup>2</sup>	29	30	Brit.	N. Z. Shipping Co.	Wellington, N. Z.	London, England	General	6,602
Tasmania <sup>2</sup>	29	30	Dan.	Kawasaki K. Kaisha	Manila, P. I.	New York, N. Y.	Sugar, gen.	5,720
San Francisco	30	31	Fr.	French Line.	Vancouver, B. C.	Havre, France.	General	4,373
Tuscaloosa City	30	31	Amer	Isthmian S. S. Lines.	Vancouver, B. C.	Avonmouth, Eng.	General	6,566
Alaskan	30	30	Amer	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	5,156
Haxby	30	30	Brit.	Acoje Mining Co.	Santa Cruz, P. I.	Philadelphia, Pa.	Chrome ore	8,250
San Jose	30	30	Amer	United Fruit Co.	Pto. Arm'les R.P.	Mobile, Ala.	Bananas	1,200
Blairaug	30	30	Brit.	Seaboard Ship. Co.	Nanocoe, B. C.	Newport, Eng.	Lumber	6,756
Mauna Kea	30	30	Amer	Matson Nav. Co.	Honolulu, T. H.	New York, N. Y.	Sugar, gen.	7,679
Laila	30	31	Dan.	Wessel, Duval & Co.	Tocopilla, Chile.	New York, N. Y.	(15)	2,680
Amerikaland <sup>2</sup>	30	31	Swed	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore.	22,250
L. A. Christensen <sup>2</sup>	30	31	Nor.	Chile Nit. Sales Corp.	Ant'fagasta, Chile	Pensacola, Fla.	Nit. of soda	7,727
Zealandic <sup>2</sup>	29	31	Brit.	Shaw, Savill & Albion	Sydney, N. S. W.	Glasgow, Scot.	Frozen, gen.	7,966
Chelsea <sup>2</sup>	30	31	Brit.	Chile Nit. Sales Corp.	Iquique, Chile.	Azores <sup>13</sup>	Nit. of soda	7,820
Tosca <sup>2</sup>	30	31	Nor.	Knutsen Line.	Valparaiso, Chile.	Lands End <sup>13</sup>	(16)	6,923
K. I. Lukenbach	31	31	Amer.	Lukenbach Line.	Seattle, Wash.	Boston, Mass.	General	6,150
Cornwall	30	31	Brit.	Federal Steam Nav. Co.	Dunedin, N. Z.	Glasgow, Scot.	Frozen, gen.	6,740
Nero <sup>2</sup>	31	2	Neth	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	136
Kaldonn <sup>1 2</sup>	31	31	Nor.	Standard Oil of N. J.	Lobitos, Peru.	Halifax, N. S.	Crude oil	14,150
Mathilde Maersk S-43 <sup>7</sup>	1	1	Dan.	A. P. Moller.	Guayamas, Mex.	London, England	Rice, coffee.	3,107
Mallard <sup>4</sup>	1	1	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Florence Lukenbach.	1	1	Amer.	Lukenbach Line.	Balboa, C. Z.	Cristobal, C. Z.		
Balboa <sup>2</sup>	1	1	Swed.	Johnson Line.	Vancouver, B. C.	Stockholm, Swed.	General	6,809
Paula	1	1	Dan.	West Coast Line.	Tocopilla, Chile.	New York, N. Y.	Nit. of soda	2,400
Heranger <sup>2</sup>	1	1	Nor.	Intercean S. S. Co.	Seattle, Wash.	Rotterdam, Neth.	General	7,432
Port Halifax <sup>2</sup>	2	3	Brit.	M. A. N. Z. Line.	Adelaide, Aust'lia	Montreal, Can.	General	1,966
Kongsdal <sup>1 2</sup>	2	2	Nor.	Standard Oil of N. J.	Talara, Peru	Aruba, N. W. I.	(17)	13,929
Ino <sup>2</sup>	2	3	Neth	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee, skins.	244
Nuevo Panama <sup>2</sup>	2	3	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	99
Oakmar.	2	2	Amer	Calmar S. S. Corp.	Astoria, Oreg.	Baltimore, Md.	Lum., copper	6,600
Goslar	2	4	Ger.	North German Lloyd.	Wellington, N. Z.	Baltimore, Md.	(18)	7,255
Durazzo	2	4	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	1,104
Honolulan.	2	3	Amer	Chile Nit. Sales Corp.	Tocopilla, Chile.	Pensacola, Fla.	Nitrate	10,700
L-41 <sup>5</sup>	2	3	Auer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Porto Bello <sup>2</sup>	2	2	Pan.	A. Tagaropoulos.	Darien, R. P.	Colon, R. P.	(19)	24
Fernbank <sup>2</sup>	2	3	Nor.	Fern Line.	Legaspi, P. I.	Baltimore, Md.	General	7,605
Martin Bakke <sup>2</sup>	2	3	Nor.	Knutsen Line.	Antof'gasta, Chile	Goth'burg, Swed.	General	7,325
Californian <sup>2</sup>	2	3	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	4,742
Trois Ilets.	3	4	Fr.	French Line.	B'ventura, Col.	Cristobal, C. Z.	Coffee.	124
Istmo.	3	4	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee.	659
Orduna.	3	4	Brit.	Pacific Steam Nav. Co	Talcahuano, Chile	Liverpool, Eng.	Copper, gen.	5,916
Santore.	3	3	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,500
Maravi.	3	3	Pan.	United Fruit Co.	Pto. Arm'les R.P.	Boston, Mass.	Ballast	
Steel Exporter.	3	4	Amer.	Isthmian S. S. Lines.	Honolulu, T. H.	Baltimore, Md.	(20)	7,508
Leticia <sup>2</sup>	3	4	Pan.	A. Tagaropoulos.	Aguadulee, R. P.	Cristobal, C. Z.	Sugar	99
Duba.	3	4	Y-Slav	Chile Nit. Sales Corp.	Iquique, Chile.	Azores <sup>13</sup>	Nitrate	6,560
Dusseldorf <sup>2</sup>	3	4	Ger.	North German Lloyd.	Corral, Chile	Hamburg, Ger.	General	5,789
Turriaba.	4	4	Amer.	United Fruit Co.	Englewood, B. C.	New York, N. Y.	Lumber	2,650
Illinois	4	4	Amer.	States S. S. Co.	Portland, Oreg.	Vera Cruz, Mex.	Wheat.	7,015
Sofa.	3	5	Greek.	Nomicos & Co.	Long Beach, Cal.	Piraeus, France.	Ballast	
Ville d'Amiens.	4	5	Fr.	Messageries Marit'es.	Noumea, N. Caled	Marseilles, Fr.	Coffee, gen.	5,324
Ingersk.	4	4	Nor.	Chile Nit. Sales Corp.	Antof'gasta, Chile	Wilmington, N.C.	Nitrate	7,875
Nienburg.	4	6	Ger.	North German Lloyd.	Pto. Angel	Hamburg, Ger.	Coffee, gen.	3,250
Schwaben.	4	6	Ger.	North German Lloyd.	Victoria, B. C.	Bremen, Ger.	General	6,980
Virgilio <sup>2</sup>	4	6	Ital.	Societa Italia.	Valparaiso, Chile.	Genoa, Italy	General	2,661
Herman Frasch.	4	5	Amer.	Dutton Lum. Corp.	Tacoma, Wash.	New York, N. Y.	Lumber	5,400
Virginia.	4	5	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	6,261

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Tug. <sup>4</sup> Launch. <sup>5</sup> Submarine. <sup>6</sup> Transport. <sup>7</sup> For orders. <sup>8</sup> Gasoline, kerosene. <sup>9</sup> Nitrate, copper ore. <sup>10</sup> Manganese ore, general. <sup>11</sup> Naphtha, gasoline, kerosene. <sup>12</sup> Wool, manganese ore. <sup>13</sup> Plantains, lumber. <sup>14</sup> Sugar, pineapples, cane.



## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Edda	4	5	Ital	Lloyd Triestino	Comox	Rotterdam, Neth.	Fruit, gen.	3,995
Mayan	4	12	Amer.	Grace Line	Champ'co, Wash.	Cristobal, C. Z.	General	809
American Reefer	4	5	Dan.	J. Lauritzen	Seattle, Wash.	Haifa, Palestine	Fruit, gen.	2,094
Ramon de Larrinaga	4	5	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Hull, England	General	4,457
Kwanto Maru	4	6	Jap.	Osaka Shosen Kaisha	Manila, P. I.	Baltimore, Md.	Sugar, gen.	5,283
Atenas	4	6	Amer.	United Fruit Co.	Cowichan, B. C.	Philadelphia, Pa.	Lumber	2,605
Akagi Maru	5	5	Jap.	Nippon Yusen Kaisha	Yokohama, Japan	Hamburg, Ger.	General	6,134
Olympia	5	5	Dan.	Continental Grain Co.	Manila, P. I.	Baltimore, Md.	Sugar	7,725
Abangarez	5	6	Amer.	Seaboard Ship. Co.	N. West'er, B. C.	Boston, Mass.	Lumber	2,442
La Union	5	5	Pan.	A. A. Valdes	Darien, R. P.	Cristobal, C. Z.	Bananas	32
Real	5	6	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	34
Sona	5	6	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	31
Rasma	5	5	Latv.	Chile Nit. Sales Corp.	Iquique, Chile	Azores <sup>12</sup>	Nit. of soda	4,900
America	5	5	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den	Fruit, gen.	9,206
Uruguay	5	6	Swed.	Johnson Line	Valparaiso, Chile	Stockholm, Swed.	Salt, general	5,987
Cubore	5	6	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,000
Nancy Moran	5	7	Amer.	Moran Tow. & Transp.	Callao, Peru.	New York, N. Y.	Ballast	
D. G. Scofield	5	6	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Baltimore, Md.	( <sup>14</sup> )	11,110
Liberty Glo.	5	6	Amer.	Amer. Foreign S.S. Corp	Olympia, Wash.	New York, N. Y.	Lumber	6,780
San Ubaldo	5	6	Brit.	Eagle Oil & Ship. Co.	Valparaiso, Chile	Pto. Mexico	Ballast	
Hagen	5	7	Ger.	Hamburg-Amer. Line	Pto. Montt, Chile	Hamburg, Ger.	General	7,628
El Oso	5	7	Brit.	C. T. Bowring & Co.	Cabo Bl'co, Peru	Ellesmere, Eng.	Oil	10,256
Vancouver	5	8	Ger.	Hamburg-Amer. Line	Vancouver, B. C.	Hamburg, Ger.	Wheat, gen.	8,516
Gypsum Prince	5	7	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile	Lake Charles, La.	Nit. of soda	6,418
S-47	5	7	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Pacific Reliance	5	7	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Glasgow, Scot.	General	8,817
Aobasan Maru	5	7	Jap.	Mitsui Bussan Kaisha	Moilo, P. I.	Baltimore, Md.	Silk, general	8,226
S-46	5	7	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Lebec	5	7	Amer.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N. W. I.	Stove oil	10,124
Heffron	5	7	Amer.	Pac. Coast S. R. Line	Portland, Oreg.	Norfolk, Va.	Lumber, gen.	8,993
Bennekom	5	8	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	7,907
Arica	5	8	Fr.	French Line	Valparaiso, Chile	Havre, France	General	7,717
Calmar	5	7	Amer.	Calmar S. S. Corp.	Seattle, Wash.	Baltimore, Md.	Copper, lum.	6,600
Kirishima Maru	5	8	Jap.	Kokusai Line	Manila, P. I.	New York, N. Y.	General	6,801
Triton	5	8	Nor.	Barber Wilhelmsen	San Carlos, P. I.	New York, N. Y.	General	4,739
Indianan	5	7	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Baltimore, Md.	General	5,747
Clio	5	7	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	General	152
Santa Maria	5	8	Amer.	Grace Line	Valparaiso, Chile	New York, N. Y.	General	5,227
Damsterdijk	5	7	Neth.	Holland-Amer. Line	Victoria, B. C.	Rotterdam, Neth.	General	8,880
Iowan	5	8	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	5,472
Paul Luckenbach	5	8	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	6,200
Firmore	5	8	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,550
Nero	5	8	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee	160
Sternerborg	5	8	Dan.	C. K. Hansen	Pt. Alberm, B. C.	New York, N. Y.	Lumber	7,463
Laurits Swenson	5	9	Nor.	Fred Olsen & Co.	Vancouver, B. C.	Norway	General	7,904
Kimikawa Maru	5	9	Jap.	Kawasaki K. Kaisha	Manila, P. I.	Baltimore, Md.	Silk, general	8,011
S-45	5	8	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
S-47	5	8	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Dumedin Star	5	9	Brit.	Blue Star Line	N. Plymouth, N.Z.	London, England	Forzen, gen.	9,093
Nagara Maru	5	9	Jap.	Nippon Yusen Kaisha	Keelung, Japan.	Baltimore, Md.	Sugar, gen.	4,682
Cerigo	5	12	Ger.	Hamburg-Amer. Line	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	605
Baldhill	5	9	Amer.	Shell Terminal Corp.	Los Angeles, Cal.	Curacao, N. W. I.	( <sup>15</sup> )	9,325
Helga	5	9	Dan.	J. Lauritzen	San Antonio, Chile	New York, N. Y.	General	2,590
Niel Maersk	5	10	Dan.	A. P. Moller	Manila, P. I.	Baltimore, Md.	General	6,708
Tregenna	5	9	Brit.	Balfour, Guthrie Co.	Portland, Oreg.	Cobh, Ireland <sup>13</sup>	Wheat	7,430
Santa Maria	5	9	Pan.	James A. Sexton	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Winslow	5	9	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Bounty	5	9	Amer.	H. L. Phillips	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Porto Bello	5	9	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	( <sup>18</sup> )	12
Anglo Indian	5	10	Brit.	Canadian Transp. Co.	Victoria, B. C.	St. John, N. B.	Lumber, gen.	9,355
Tropic Star	5	10	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile	Gulfport, Miss.	Nit. of soda	8,281
Pennsylvanian	5	10	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	5,621
Canadian Reefer	5	9	Dan.	J. Lauritzen	Valparaiso, Chile	Hamburg, Ger.	Fresh fruit	1,300
Istmo	5	11	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	( <sup>17</sup> )	653
Camden	5	10	Amer.	Shell Oil Co.	Los Angeles, Cal.	Fall River, Mass.	Gasoline	8,617
Dimitrios Inglesis	5	10	Greek.	Chile Nit. Sales Corp.	Iquique, Chile	Azores <sup>12</sup>	Nitrate	7,500
Nuevo Panama	5	10	Pan.	Elliot Ship. & Land Co.	Panama, R. P.	Cristobal, C. Z.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>5</sup> Launch. <sup>7</sup> Submarine. <sup>13</sup> For orders. <sup>14</sup> Petrolastic asphalt. <sup>15</sup> Kerosene distillate. <sup>16</sup> Plantains, lumber. <sup>17</sup> Coffee, machinery.

## Ships' Chandlery Supplies

Panama Canal Storehouses carry a complete line of ships' chandlery supplies available for sale to ships at stock price cost plus 20 percent surcharge which covers local freight, handling, and other costs.

**Official Publications of Interest to Shipping**

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of the Panama Canal and Adjacent Waters," and the current tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C.Z.; or, when more convenient, to The Panama Canal, Washington, D.C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa, a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.

**Provisions Required by Ships**

Commissary Division, Panama Railroad Company, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats (including native beef), ice, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes and tobacco, which are for sale to ships at reasonable prices. A modern laundry service is also available.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery, or for delivery at the other terminal after transit.

**Facilities for Shipping**

The Panama Canal is equipped with all the facilities for the fueling, supply, and repairs of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from ample stocks at both ends of the Canal. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as ice, meats (including native beef), fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes and tobacco, which are for sale to ships at reasonable prices. A modern laundry service is also available. Orders may be placed in advance by radio for prompt delivery on arrival at either terminal, or for delivery at the other terminal after transiting the Canal.

A 1,000-foot drydock, a smaller drydock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide means of making practically any kind of marine repairs.

Ample space exists at either terminal of the Canal for the berthing of vessels, as well as large, covered piers for the storage of cargo. These are modern structures: fireproof, rat proof, in splendid condition, well lighted and maintained in a clean and orderly condition.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal during the years of operation

**Density of Water in Balboa and Cristobal Harbors**

Place.	Weight of sea water in ounces per cubic ft.			Rainy season. Average tempera- ture. Degrees F.
	Average.	Maximum.	Minimum.	
Cristobal (between docks 8 and 9).....	1018	1020	1013	84.0
Balboa (dock 18).....	1011	1021	1005	83.0

(NOTE.—The above is based on two months' observations at Cristobal and Balboa. Average taken at 12-foot depth. Minimum occurred after heavy rain at 3-foot depth at Cristobal and 12-foot depth at Balboa. The weight of a cubic foot of fresh water at 85° F. is 995 ounces.

## Coal

Coal, bunker, U. S. Navy Standard Pool No. 1, run-of-mine, Pocahontas, or New River, is supplied to steamships, including warships of all nations, trimmed in bunkers at the following prices, per ton of 2,240 pounds: Cristobal, first 250 tons, \$7.75 per ton; second 250 tons, \$7 per ton; balance over 500 tons, \$6.50 per ton. Balboa, first 250 tons, \$10.75 per ton; second 250 tons, \$10 per ton; balance over 500 tons, \$9.50 per ton.

Extra charges are made in accordance with a published tariff for special trimming at the request of the officers of the ship, for galley, lump, or run-of-mine coal in sacks, and for delivery, when coal is furnished from lighters or launches away from the coaling piers.

Coal can be bunkered by bunkering machines at any rate up to 1,500 tons per hour, regulated by the amount of necessary trimming.

Coal for cargo is sold under the same conditions and at prices quoted for sale of coal for bunkers.

## Lubricating Oils

The following is a list of the different kinds of lubricating oil carried in stock at Panama Canal storehouses, and a brief description of each of the oils with a statement of the purpose for which it is generally used.

Requisitions and orders for oils placed with the storekeepers should state the name (including number, if any) of the oil desired exactly as given on the following list:

### STATEMENT OF STANDARD LUBRICATING OILS AND THEIR USES

#### OILS, FORCE FEED AND MOTOR CYLINDER

*Medium, No. 2135.*—A medium oil for the lubrication of main turbines not driving through reduction gears, dynamos, and small internal combustion engines. Not to be used for steam cylinder lubrication.

*Heavy, No. 2190.*—A heavy oil that will separate quickly from water. For the lubrication of turbines with reduction gears, medium size internal combustion engines, and forced feed on main engines. A heavy bodied oil for use on auxiliary equipment.

*Extra heavy, No. 2250.*—An extra heavy oil for the lubrication of medium size internal combustion engines, power cylinders, air compressors, and bearings of Diesel engines.

*Ultra heavy, No. 2310.*—An ultra heavy oil for the lubrication of power cylinders, air compressors, and bearings of large Diesel engines.

*Tractor, heavy, No. 3100.*—A very heavy body oil for aircraft engines, high speed gasoline engines, motor trucks, motor boats, motor cycles, and Diesel engines S. A. E.-50.

*Diesel engine lubricating.*—For Diesel engines.

#### OILS, MISCELLANEOUS

*Ammonia cylinder (gun and ice machine grade No. 125).*—A refined petroleum oil without the admixture of fatty oils, resins, soap, or other compounds not derived from petroleum. For the lubrication of the cylinders of ice machines, pneumatic tools, and hydraulic systems.

*Car and locomotive.*—A lubricant on journals of all cars, passenger coaches, steam and electric locomotives.

*Castor.*—Grade "A." Used for lubricating purposes of the highest grade.

*Cutrie, soluble cutting.*—A mixture of soluble alkali soap in mineral and fixed saponifiable oils. For use in turret lathes and bolt machines.

*Fish.*—Used as a rust preventative and for tempering.

*Lard.*—For use on pipe cutting and threading machines.

*Insulating.*—Switch (Electrical Division).

*Insulating.*—Transformer (Electrical Division).

*Lubricant (gear, chain and wire rope).*—For lubrication and protection of chains, wire rope, and gears of cranes, dredges, steamshovels, etc.

*Machine, odress.*—For use on typewriters.

*Marine engine, No. 4065, compounded.*—A compound of mineral with vegetable oil for the lubrication of reciprocating engines and auxiliaries where oiling is done by hand or through wick feed or drop oilers, also for thrust bearings. Must not be used for circulating of forced feed systems.

*Mineral steam cylinder, No. 5150.*—For use on reciprocating steam engines using dry saturated steam. For noncondensing steam engine cylinder lubrication (valve oil).

*Mineral steam cylinder, superheated.*—For use on reciprocating steam engines using superheated steam.

*Neatsfoot.*—For softening and preserving leather.

*Solvent.*—Rust-preventing lubricant, for general use.

*Sperm.*—Used principally by U. S. Navy.

## Trips Through the Canal

The following lines operating passenger vessels through the Canal carry local passengers from one terminal to the other: Dollar Line, Grace Line, Hamburg-American Line, Johnson Line, Navigazione Generale Italiana, North German Lloyd, Pacific Steam Navigation Co., Panama Mail Steamship Co. The Panama-Pacific Line

carries such passengers from Balboa to Cristobal only. The Hamburg-American Line, North German Lloyd, Panama Mail Line, Dollar Line, Grace Line, and Johnson Line, charge \$6 for the trip, the others \$10 for first-class passage. The Panama-Pacific Line has also a rate of \$6 for tourist class. The several services together afford about 4 transits of the Canal each way every week.



# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.



*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXI

Balboa Heights, C. Z., May 15, 1938

No. 10

## Traffic Through the Panama Canal in April 1938

The total vessels of all kinds transiting the Panama Canal during the month of April 1938, and for the same month in the two preceding years, are shown in the following tabulation:

	April 1936	April 1937	April 1938		
			Atlantic to Pacific	Pacific to Atlantic	Total
Ocean-going commercial traffic.....	482	473	268	219	487
Small commercial vessels <sup>1</sup> .....	44	76	50	41	91
Noncommercial vessels:					
United States Government.....	33	38	13	15	28
Colombian Government.....		1			
For repairs.....	2	1	2	1	3
Total.....	561	589	333	276	609

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC<sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the 12 months ended April 30, 1938, as compared with the previous 12 months:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8
May.....	488	544	2,504,215	2,839,127	2,419,652	2,950,925	\$2,081,103.73	\$2,376,706.36
June.....	481	472	2,449,127	2,450,018	2,459,752	2,670,466	2,073,359.39	2,070,337.89
July.....	456	457	2,364,539	2,395,306	2,450,324	2,476,366	1,999,105.18	2,029,642.45
August.....	473	505	2,398,306	2,597,119	2,396,331	2,780,603	2,051,540.28	2,195,308.87
September.....	466	444	2,428,317	2,312,725	2,526,366	2,385,142	2,045,440.82	1,935,673.78
October.....	482	461	2,499,678	2,359,406	2,463,069	2,438,788	2,081,758.23	1,981,087.87
November.....	368	435	1,768,738	2,280,565	1,747,368	2,185,283	1,488,054.25	1,893,462.00
December.....	341	439	1,655,501	2,238,271	1,538,503	2,046,170	1,366,388.58	1,845,048.20
January.....	399	444	1,915,787	2,219,496	1,855,937	2,065,402	1,598,323.51	1,837,894.72
February.....	377	436	1,940,611	2,154,222	1,839,788	1,998,827	1,602,306.30	1,786,611.45
March.....	536	506	2,770,451	2,311,526	3,016,418	2,268,548	2,355,149.04	2,015,585.34
April.....	473	487	2,460,549	2,258,836	2,652,880	2,279,235	2,067,026.68	1,961,456.58
Total.....	5,340	5,630	27,155,819	28,416,617	27,366,388	28,575,755	22,809,555.99	23,928,815.51

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 net tons (Panama Canal measurement), which transited the Panama Canal during the month of April 1938. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	50	1,943	\$1,733.24	963
Pacific to Atlantic.....	41	2,080	1,765.08	1,643
Total.....	91	4,023	3,498.32	2,606



Traffic by Nationality of Vessels<sup>3</sup> for April 1938

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
British.....	116	614,695	\$524,758.32	537,840
Chilean.....	1	5,014	4,512.60	1,426
Danish.....	24	85,347	76,494.42	97,075
French.....	11	61,791	54,351.18	59,164
German.....	30	113,818	101,319.66	111,130
Greek.....	9	35,677	30,446.28	46,378
Italian.....	5	28,282	25,453.80	15,209
Japanese.....	31	178,630	160,767.00	213,237
Latvian.....	1	2,707	2,436.30	4,900
Netherlands.....	26	57,291	50,506.92	41,716
Norwegian.....	64	300,156	254,313.18	314,462
Panamanian.....	15	32,892	27,852.12	43,922
Swedish.....	9	39,290	33,719.58	36,804
United States.....	142	696,342	608,623.74	747,394
Venezuelan.....	2	3,468	2,809.08	2,018
Yugoslav.....	1	3,436	3,092.40	6,560
Total.....	487	2,258,536	1,961,456.58	2,279,235

<sup>3</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## Traffic by Trade Routes for April 1938

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table, the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo frequently is laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	44	219,472	158,561	38	206,484	269,258
East coast United States and:						
Canada.....				5	17,514	21,358
Central America.....	1	2,087		1	2,087	950
South America.....	23	95,063	22,366	22	85,698	195,771
Hawaiian Islands.....	3	14,408	12,155	5	23,470	38,386
Australasia.....	6	29,930	35,967	1	5,197	7,255
Philippine Islands.....	9	49,291	59,084	25	137,606	167,723
Far East.....	36	177,281	281,134			
Total.....	1	4,964	8,600	1	5,339	9,355
Canadian intercoastal.....						
East coast Canada and:						
South America.....	2	6,223	406	4	18,808	35,895
Australasia.....	6	30,472	29,577	2	10,623	4,203
Far East.....	2	11,610	15,680			
East coast Central America and:						
United States.....				1	4,286	7,105
South America.....				1	4,069	
Far East.....	1	6,849	11,410			
Total.....	1	2,982				
Central American intercoastal.....						
East coast South America and:						
United States.....				1	4,551	6,623
Canada.....	2	8,485	7,185			
Balboa.....				1	1,734	
Philippine Islands.....	1	5,457	2,755			
Far East.....	3	15,736	21,131	1	5,399	6,663
Total.....	1	5,220	10,900			
South American intercoastal.....						
Cristobal and:						
Central America.....	4	3,166	2,540	5	4,386	3,348
South America.....	16	8,700	4,197	18	10,645	10,060
West Indies and:						
United States.....	4	20,654		3	15,470	30,964
Central America.....				1	1,581	
Balboa.....	2	7,280	14,242			
South America.....				1	7,411	13,929
Far East.....	1	5,068	9,987			
Europe and:						
United States.....	22	98,917	10,181	8	28,090	44,225
Canada.....	36	187,117	55,292	36	186,415	259,870
Central America.....	2	8,644	3,506	2	6,568	5,235
South America.....	25	127,715	44,820	24	129,714	189,070
Australasia.....	10	76,379	53,693	9	70,007	58,334
Far East.....				1	5,332	6,134

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
Egypt and South America	1	5,434		1	2,675	2,094
Asia and west coast United States						
Foreign vessels in ballast (United States intercoastal)	2	9,520				
Around the world	1	7,399	3,388	1	5,954	6,670
Total	268	1,251,523	878,757	219	1,007,313	1,400,478

### Origin and Destination of Cargo by Major Areas

The following table summarizes the origin of cargo passing through the Canal in April 1938, and its destination by major geographical trade areas:

#### ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North American:						
United States	165,861	19,056	353,526	21,018	35,967	595,428
Other North America	2,093	26,111	29,428	16,100	29,680	103,412
Europe	49,471	15,560		34,730	52,992	152,753
Miscellaneous	8,850	316	6,331	11,069	598	27,164
Total	226,275	61,043	389,285	82,917	119,237	878,757

#### PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	268,629	48,549	162,306	7,948	487,432
Canada	16,042	13,350	136,343	853	166,588
Other North America	39,336	3,646	6,258		49,240
South America	193,801	63,247	187,640	66	444,754
Australasia	7,088	6,504	56,200		69,792
Asia	174,290	2,176	6,024	182	182,672
Total	699,186	137,472	554,771	9,049	1,400,478

### Principal Commodities

Commodities in transit through the Canal which aggregated 10,000 or more tons either during April 1938 or April 1937 are listed below:

Commodity	April		Commodity	April	
	1937	1938		1937	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Automobiles and parts	21,019	22,297	Canned food products	115,877	52,273
Canned food products	12,082	9,742	Coffee	11,442	16,420
Cement	14,670	19,295	Cold storage (food products) <sup>5</sup>	30,673	31,528
Chemicals <sup>4</sup>	14,047	9,329	Copra	7,411	11,635
Coal and coke	9,474	12,851	Cotton, raw	14,090	5,419
Cotton, raw	7,274	26,958	Flour	21,862	15,860
Creosote	22	10,277	Fruit, dried	15,406	17,767
Iron and steel	232,753	127,643	Fruit, fresh <sup>6</sup>	15,804	39,593
Machinery	16,411	16,454	Lumber	207,814	222,853
Metals, various	24,822	67,006	Metals, various	69,775	69,392
Oils, mineral	84,665	88,804	Molasses and syrups	18,853	345
Paper	33,039	45,004	Nitrates	191,083	106,367
Phosphates	21,038	30,672	Oats	4,831	11,811
Scrap metal	221,050	121,123	Oils, mineral	280,764	224,768
Sugar	21,130	6,832	Oils, vegetable	16,607	15,289
Sulphur	24,635	26,058	Ores	194,172	139,433
Textiles	11,529	7,707	Paper	11,377	6,193
Tinplate	27,652	24,462	Rice	10,715	2,622
			Sugar	121,537	151,687
<i>Pacific to Atlantic</i>			Wheat	73,146	77,072
Asphalt and tar	154	20,807	Wood pulp	12,523	19,057
Barley	29,905	19,750	Wool	15,922	15,894
Beans, edible, dry	12,032	12,518			

<sup>4</sup> Except as otherwise classified.

<sup>5</sup> Except fresh fruit.

<sup>6</sup> Except bananas.

## Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of April 1938, as reported in the cargo declarations showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo"; the statistics are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts		136	15	232
Agricultural implements	325	100	3,774	300
Alfalfa meal		588		1,071
Ammonium compounds	530		1,828	
Animal foods	50	71	50	327
Apparel, wearing (hats, shoes, clothing, etc.)	65		65	17
Asbestos	393		6,070	164
Asphalt and tar	110	20,612	1,800	20,807
Automobiles (and autotrucks)	1,477	273	13,047	334
Automobile parts and accessories	476	142	9,250	178
Bags and bagging, textile	95	49	323	269
Bamboo and products				345
Bananas				3,830
Barks, miscellaneous	10	48	10	365
Barley		224		19,750
Beans, edible, dry	48	2,461	48	12,518
Beer	83		148	
Beverages, nonalcoholic	104		140	9
Blood and tankage				85
Bones and bone meal		42	97	42
Books and printed matter	39		50	
Borax	200	72	624	7,981
Bran and pollards			25	2,808
Bricks and tile	44		856	104
Camphor, crude				22
Canned and preserved goods:				
Fish	253	9,131	728	14,261
Fruit	899	13,650	949	24,542
Meat	40	758	1,335	965
Milk		381	687	1,140
Soup	2,597	150	2,717	305
Vegetables	877	4,160	953	4,270
Miscellaneous and unclassified	1,916	4,522	2,373	6,790
Carbon black	8		1,030	
Cellite		762		762
Cement	501		19,295	
Chalk			1,459	
Charcoal	35	29		29
Chemicals	3,844	1,457	9,329	1,801
Clay, china and fire	743	337	972	361
Clay, filtering	70		70	
Coal	1,621		5,505	
Cocoa and cacao beans	422		805	3,130
Coconuts and products	45	480	55	3,299
Coffee	209	120	6,408	16,420
Coke			7,346	
Cold storage and refrigerated products:				
Dairy products	55		343	14,009
Eggs		195		195
Fish	254	320	258	959
Lard	371	227	399	363
Meats		262	250	14,150
Poultry		320		401
Vegetables	12	495	21	1,202
Other and unclassified	47		53	249
Confectionery	1,334		1,349	
Copra				11,635
Corn				315
Cotton, raw	13	1,139	26,958	5,419
Creosote	6		10,277	
Drugs and medicines	2,202	178	2,343	314
Dyes	15		30	
Earthenware	22		161	55
Electrical apparatus and appliances	1,706	160	2,475	210
Enamelware and metalware	133		141	112
Explosives	142		595	15
Extract, quebracho			907	
Fertilizers	560	73	3,307	123

<sup>7</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Fish meal				1,552
Floor coverings	2,087	865	2,202	1,043
Flour	278	12,468	735	15,860
Fruit, dried	24	6,843	50	17,767
Fruit, fresh <sup>7</sup>		19		39,593
Furniture and household goods	233	41	239	119
Gallnuts				25
General	17,357	3,932	53,127	13,986
Glass and glassware	2,392	208	5,619	485
Glue	45	51	45	59
Grains <sup>7</sup>				60
Groceries	2,276	531	3,450	702
Gums				17
Hair, all kinds	44	55	46	105
Hay		229		239
Hemp, unmanufactured		11	15	616
Honey		222		376
Hops			1	3
Horns and hoofs				4
Infusorial earth		352		899
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	49,967	524	127,643	610
Ivory nuts			117	1,361
Lard substitute	290		292	
Lime	20		220	
Liquors	2,989	134	4,358	157
Lumber (including manufactured mill products)	1,079	91,174	2,926	222,853
Machinery	2,261	694	16,454	828
Malt			1,016	72
Manufactured goods <sup>7</sup>	6,157	527	14,394	1,923
Marble and granite	139		343	
Matches	115	38	246	50
Metals:				
Antimony				56
Copper	211	4,148	3,798	43,784
Gold and silver				31
Iron	1,933		56,418	33
Lead	49	4,036	818	15,595
Tin		93	1,400	2,016
Zinc	77		2,070	7,389
Other and unclassified	325		2,446	544
Milk, powdered		270		4
Molasses and syrups	391			585
Nitrate			5,633	106,367
Nuts, edible (including meats)		246	132	352
Oats	59	141	84	11,811
Oils, mineral:				
Crude		3	25,608	66,860
Gas and fuel			23,209	21,442
Gasoline, benzine, and naphtha	45	47,211	4,347	117,092
Kerosene			10,055	19,040
Lubricating and greases	14,170	314	25,585	334
Oils, vegetable:				
Coconut			56	7,948
Cottonseed		11	1,201	11
Linseed	286		427	
Olive	25		659	
Peanut				305
Rapeseed			20	25
Teaseed				125
Wood	24	748	24	2,007
Other and unclassified	220	11	380	4,868
Oil, fish		446		48
Oil, whale	1,801		1,801	49
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)		50	2,028	2,409
Oilseed cake and meal	50		50	3,344
Ores:				
Antimony				631
Chrome	109		109	4,950
Copper			2,469	282
Gold and silver				1,120
Iron			3,544	100,154
Lead			2	3,218
Magnesite		305		4,913
Manganese		39	762	12,483
Tin		33	30	4,979
Zinc	23		23	5,772
Other and unclassified			41	931
Paints and varnishes	962	180	2,402	504
Paper and paper products <sup>7</sup>	8,941	5,134	45,004	6,193

<sup>7</sup> Except as otherwise classified.



Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Peanuts.....	1,476		1,476	4
Peas, dry.....			3	309
Peatmoss.....			962	
Phosphates.....	361		30,672	25
Plaster.....			132	
Porcelainware.....	188	85	987	2,398
Potash.....			5,284	718
Pyrethrum flowers.....				16
Rags and waste.....	110	136	299	361
Railroad material.....	19		2,505	108
Rice.....	641	122	2,784	2,622
Rope and twine.....	1,028	13	2,221	349
Rosin.....	683	25	3,759	25
Rubber:				
Manufactured.....	560	281	899	412
Raw.....	12		41	2,871
Scrap.....			25	99
Salt.....	136	150	1,667	150
Sand.....	41		1,670	25
Scrap metal.....	451	312	121,123	1,154
Seeds (except oilseeds).....		171	92	789
Shells, oyster.....	354	50	354	357
Silk, raw.....		116	57	1,792
Skins and hides.....	147	1,703	1,534	4,104
Slag.....			2,546	26
Slate.....	1,342		1,342	
Soaps and products.....	1,892	75	2,044	160
Soda and sodium compounds:				
Soda ash.....	86		739	245
Soda, caustic.....	160		301	
Miscellaneous and unclassified.....	710		926	3,259
Soy beans.....	114		114	
Sugar.....	2,927	1,159	6,832	151,687
Sulphur.....	4,896		26,058	
Talc.....		30		198
Tallow.....	41	153	90	1,586
Tea.....	36	58	73	430
Textiles <sup>8</sup> .....	2,530	27	7,707	1,628
Tinplate.....	1,048		24,462	12
Tobacco and manufactures.....	117	51	6,398	713
Toilet preparations.....	220		326	
Turpentine.....	137		613	
Vegetables, dry <sup>7</sup> .....	21	240	84	3,232
Wall board.....	230	486	715	1,524
Wax, paraffin.....	487		1,399	27
Wheat.....		1,020	31	77,072
Wines.....	62	750	792	1,641
Wood pulp.....	142	13,396	8,376	19,057
Wool.....	1	1,559	994	15,894
Total, April 1938.....	165,861	268,629	878,757	1,400,478
Total, April 1937.....	325,775	385,549	1,001,081	1,651,799
Total, April 1936.....	259,955	450,825	701,703	1,728,431

<sup>7</sup> Except as otherwise classified<sup>8</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade route, the tanker traffic through the Canal during the month of April 1938:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	8	45,474	9,126	6	35,197	*67,825
East coast United States and:						
South America.....	1	5,344				
Far East.....	1	7,156	14,124			
East coast Canada and South America.....	1	4,359		4	18,808	35,895
East coast Central America and:						
South America.....				1	4,069	
Far East.....	1	6,849	11,410			

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
South American intercoastal.....	1	5,220	10,900			
East coast South America and Balboa				1	1,734	
West Indies and:						
United States.....	4	20,654		3	15,470	30,964
South America.....				1	7,411	13,929
Balboa.....	2	7,280	14,242			
Far East.....	1	5,063	9,987			
Europe and:						
United States.....	6	35,805	10,181	3	15,694	31,648
South America.....	5	33,126		5	31,596	64,545
Total.....	31	176,335	79,970	24	129,979	244,806

\* Includes 20,612 tons asphalt.

### Comparison of Canal Traffic in April 1938, with April Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of April			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1915.....	9 116	(000 omitted) 404	(000 omitted) 521	1915.....	10 100	(000 omitted) 361	(000 omitted) 466
1916.....	69	233	366	1916.....	60	199	258
1917.....	146	524	628	1917.....	145	483	588
1918.....	168	542	627	1918.....	165	547	627
1919.....	158	481	507	1919.....	162	510	576
1920.....	207	821	867	1920.....	199	712	781
1921.....	222	955	908	1921.....	232	950	966
1922.....	225	974	1,046	1922.....	222	951	907
1923.....	399	2,007	2,187	1923.....	325	1,550	1,631
1924.....	395	2,052	2,159	1924.....	429	2,179	2,249
1925.....	372	1,840	1,951	1925.....	382	1,904	1,996
1926.....	417	2,047	2,237	1926.....	424	2,064	2,169
1927.....	449	2,223	2,429	1927.....	441	2,184	2,311
1928.....	510	2,382	2,473	1928.....	521	2,453	2,468
1929.....	532	2,487	2,718	1929.....	524	2,485	2,554
1930.....	479	2,478	2,456	1930.....	502	2,497	2,502
1931.....	437	2,291	2,009	1931.....	447	2,314	2,089
1932.....	347	1,862	1,442	1932.....	364	1,968	1,650
1933.....	337	1,838	1,526	1933.....	347	1,900	1,513
1934.....	469	2,493	2,291	1934.....	436	2,379	2,059
1935.....	432	2,259	2,079	1935.....	432	2,317	2,109
1936.....	482	2,484	2,430	1936.....	449	2,335	2,209
1937.....	473	2,461	2,653	1937.....	467	2,404	2,507
1938.....	487	2,259	2,279	(11).....	461	2,313	2,295

<sup>9</sup> Canal opened August 15, 1914.

<sup>10</sup> Average for 10½ months.

<sup>11</sup> Average for 10 months fiscal year 1938.

### Terminal Activities

Ships which completed repairs during the month of April 1938, numbered 60. Vessels released from drydock numbered 14. Fuel and Diesel oil amounting to 238,749 barrels was delivered as bunkers to 120 commercial ships. Bunker coal amounting to 10,986 tons was delivered to 29 commercial ships. Sales of commissary supplies to ships aggregated \$47,153.

### Cargo Handled at Terminal Ports, April 1938

	Cristobal	Balboa	Total
Local cargo arriving.....	21,459	7,647	29,106
Local cargo shipped.....	2,389	505	2,894
Cargo received for transshipment.....	46,565	197	46,762
Cargo transhipped.....	50,229	207	50,436
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	9	4	13
Number of releases issued.....	61	17	78
Tons received.....	45	8	53
Tons withdrawn.....	55	9	64

## All Vessels Entering and Clearing Port, April 1938

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal..	557	3,265,370	1,951,332	520	2,957,908	1,791,770
Vessels entering port but not transiting Canal.	61	369,289	203,773	6	29,719	18,261
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	128	791,228	469,526	108	679,408	403,088
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	550	3,246,723	1,947,916	522	2,966,543	1,798,020
Vessels clearing port but not transiting Canal.	57	339,026	189,253	8	30,379	18,745
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	134	794,571	475,756	110	692,663	409,810

## Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight April 10, 1938, to midnight May 10, 1938. Figures after names of vessels show, respectively, tons discharged and tons laden:

## CRISTOBAL

Bogota, 29, 278	Pereira, 563, 826	Este, 202, 103	Komaki Maru, 273, 0	Istmo, 801, 483
Santa Inez, 45, 2 pkgs.	Barneveld, 0, 55	Chisone, 330, 0	Nuevo Panama, 243, 70	Buenaventura, 1,993, 806
Cefalu, 211, 656	Harboe Jensen, 0, 390	Tai Shan, 212, 0	Fulda, 193, 613	Anhalt, 2,240, 0
Rialto, 435, 84	Patricia, 74, 681	Abraham Lincoln, 30, 0	Cerigo, 1,278, 0	Quirigua, 136, 1,068
San Marcos, 28, 0	Lochmonar, 76, 368	Trois Ilets, 204, 27	Veragua, 738, 901½	Turrialba, 469, 447
Hermionthis, 88, 255	Santos, 402 1/2, 180	Reina del Pacifico, 48, 618	Erria, 30, 341	Toloo, 830, 74
Colombie, 128, 1	Santa Clara, 316, 124	Oropesa, 80, 31	Aconagua, 0, 20	Tacoma, 122, 239
Ruth Lykes, 823, 346	Nuevo Panama, 0, 52	San Mateo, 102, 104	Nero, 477, 106	Ulm, 0, 1
Santa Rosa, 152, 4	California, 360, 0	Annie Johnson, 179, 6	Venezuela, 4, 1,375	Celina, 362, 110
Havelland, 3, 339	Santa Paula, 135, 0	Santa Barbara, 377, 101	Bretagne, 181, 733	Clio, 596, 165
Orazio, 155, 77	Dramatist, 138, 0	Taketoyo Maru, 21½, 0	Daytonian, 175, 31	Costa Rica, 73, 9
Salvador, 949, 493	Contessa, 130, 733	Real, 0, 47	Mayan, 616½, 84	Benj. Franklin, 178, 640
Canada, 7, 35	Maine, 144, 0	Peter Kerr, 177, 1	Laguna, 0, 39	Margaret Johnson, 54, 171
Cordillera, 24, 1,449	San Lucas, 0, 5 cases	Pasajero, 0, 1	West Ivis, 63, 560	Chiriqui, 296, 224
Itauri, ½, 421	Kinka Maru, 276, 0	Venezuela, 106, 10	San Gabriel, 220, ½	Nero, 467½, 42
Ancon, 3,419, 660	Siljestad, 7, 0	Drechdijk, 197, 20	Durazzo, 8, 281	Saarland, 106, 457
Tokai Maru, 280, 0	Dresden, 156, 218	Cefalu, 189, 822	San Anselmo, 32, 0	Pasajero, 22, 0
Santa Lucia, 340, 119	Sagua, 158, 0	Almeria Lykes, 1,196, 172	Santa Rita, 269, 0	Kinai Maru, 302, 64
Wyoming, 240, 230	San Vincente, 909, 3 pkgs.	Acayutla, 526, 1,104	Santa Rosa, 123, 41	Santa Paula, 42, 1
Colombie, 0, 512	Ojeda, 316, 0	Santa Elena, 121, 0	Sona, 0, 44	Osnabruck, 43, 211
Trois Ilets, 290, 67	Guayaquil, 2,068, 419	Arminda, 149, 57	Frank, 0, 65	Cerigo, 0, 145
Quirigua, 112, 818	Clio, 525, 122	Cristobal, 2,046, 856	Contessa, 448, 696	Salvador, 935½, 0
Montilla, 4,721, 0	Antigua, 103, 939	Friesland, 86, 0	Nuernberg, 211, 234	Orazio, 1, 9
Sagua, 250, 144	Yamaura Maru, 164, 0	Santa Inez, 250, 132	Trois Ilets, 204, 16	Meton, 5,405, 0
Sixacola, 1,065, 263	Ulna, 822, 399	Istmo, 776, 96	San Antonio, 555, 84	Santa Lucia, 253, 0
Frida, 0, 83	Tampa, 76, 0	Ino, 462, 24	Peter Maersk, 592, 0	Antiochia, 118½, 23
Karnak, 34, 303	Seattle, 195, 259	Phrygia, 34, 1,690	Smargod, 0, 551	Caribia, 27, 692½
Ino, 292, 244	Nero, 130, 114	Baar, 157, 1,301	Delftdijk, 428, 180	Muenchen, 63, 292
Nero, 299, 10	Darien, 588, 232	Talamanca, 67, 650½	Canada, 299, 98	Breda, 76, 43
Manizales, 987, 542	Kiyokawa Maru, 484, 0	Santa Marta, 716, 137	Nozima Maru, 215, 0	Real, 0, 5
Chiriqui, 133, 153	Durazzo, 1,214, 157	Oklahoman, 290, 452	Santa Clara, 295, 1	Cefalu, 131, 976
Elbe, 196, 454	Jamaica, 315, 167	Canadian Constructor, 598, 26	Rhakotis, 159, 270	
Alkmaar, 44, 215	Oregon, 224, 28	Iriona, 494, 148	Slemmestad, 4, 0	
Colombia, 200 lbs., 643	Malayan Prince, 1, 37		Bogota, 1,400, 397	
Lima, 261, 147	Bachaquero, 7,007, 0			
Alabama, 6, 1,215	Eridan, 0, 39			
Istmo, 783, 275				

## BALBOA

Horn Shell, 12,224, 0	San Lucas, 1,386, 0	Tampa, 96, 0	Heiyo Maru, 3, 0	Celina, 442, 24
St Mibiél, 61, 88	Lochmonar, 0, 82	Ojeda, 2,021, 0	Tainui, 74, 0	St. Mibiél, 921, 0
Salvador, 1, 0	Santa Clara, 9, 2	Tai Shan, 128, 0	Acayutla, 3, 0	Chaumont, 1, 0
Santa Lucia, 128, 0	Dresden, 251, 13	Vega, 2, 0	Drechtdijk, 0, 61	Santa Clara, 178, 3
Cuba Maru, 139, 0	Azumasan Maru, 73, 0	Este, 115, 95	Optomist, 415, 0	Tacoma, 24, 0
Sofa Bakke, 2,301, 4	Chateau Thierry, 105, 35	Abraham Lincoln, 468, 0	President Polk, 9, 13	Horn Shell, 11,899, 0
Alkmaar, 51, 69	Sagua, 1, 0	Pereira, 0, 59	Oklahoman, 81, 2	Norway Maru, 59, 0
California, 274, 0		Santa Barbara, 33, 1	Ludington, 349, 19	Santa Lucia, 16, 0
				Santa Inez, 124, 0

NOTE.—Figures shown represent short tons of 2,000 pounds.

## Passengers

Ocean-ship passengers disembarking at Canal ports during April 1938 numbered 1,824 at Cristobal and 512 at Balboa; embarking, 2,426 at Cristobal and 879 at Balboa. Passengers passing through the Canal numbered 3,062 from the Atlantic to the Pacific, and 4,250 from the Pacific to the Atlantic. Aircraft numbering 43 entered Cristobal and 217 disembarked; clearances were 45, with 201 embarking. At Balboa, entries of aircraft numbered 54, with 106 passengers disembarking; clearances were 54, with 124 embarking.

Movements of Ocean Vessels Through the Panama Canal

From midnight April 10, 1938, to midnight May 10, 1938

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
San Diego	9	11	Fr.	French Line	Dunkerque, Fr.	Vancouver, B. C.	General	2,741
President Herrenschmidt <sup>1 2</sup>	10	11	Nor.	Pechebronnn	Donges, France.	Talara, Peru	Ballast	
Fordsdale	10	11	Brit.	Shaw, Savill & Albion	Glasgow, Scot.	Auckland, N. Z.	General	5,973
Enley City	10	11	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Hilo, T. H.	General	6,477
Beldagny	11	11	Nor.	Chile Nit. Sales Corp.	Calais, France	Chile	Ballast	
Horn Shell <sup>1 2</sup>	11	11	Brit.	Anglo-Saxon Pet. Co.	Curacao, N. W. I.	Balboa, C. Z.	Fuel oil	12,224
Chilore	11	11	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr de, Chile	Ballast	
Nuevo Panama <sup>2</sup>	10	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Aguadulee, R. P.	General	300
Istmo	10	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	525
Cerigo	10	12	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecu.	General	579
Hoxbar <sup>1</sup>	12	12	Amer.	CitiesSer.AsphaltProd	New York, N. Y.	Pt. Petrol, Calif.	Ballast	
Silverash <sup>2</sup>	12	12	Brit.	Silver Line, Ltd.	New York, N. Y.	S. Francisco, Cal.	Ballast	
Mayan	5	12	Amer.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	709
Athelqueen <sup>1 2</sup>	12	12	Brit.	United Molasses Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Karmat <sup>2</sup>	12	14	Nor.	Chile Nit. Sales Corp.	Wilmington, N.C.	Tocopilla, Chile.	Ballast	
Pirate <sup>2</sup>	12	14	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>	Ballast	20
Taira <sup>2</sup>	11	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	11	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu <sup>2</sup>	12	12	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>	Ballast	25
Gannet <sup>10</sup>	12	12	Amer.	U. S. Navy	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Porto Bello <sup>3</sup>	12	12	Pan.	A. Tagaropolos	Cristobal, C. Z.	Real, R. P.	General	3
Orazio <sup>2</sup>	12	13	Ital.	Societa Italia	Genoa, Italy	Valparaiso, Chile.	General	814
Hylton <sup>2</sup>	12	13	Brit.	Aust. Dispatch Line.	Birkenhead, Eng.	S. Francisco, Cal.	Ballast	
Chilean Reefer <sup>2</sup>	12	13	Dan.	J. Lauritzen	St. John, N. B.	Talcahuano, Chile <sup>(15)</sup>	Ballast	406
Forthbank	12	13	Brit.	Bank Line, Ltd.	Liverpool, Eng.	Los Angeles, Cal.	Ballast	
New Orleans <sup>2</sup>	13	13	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Adelaide, Aust'lia	General	6,306
Neবাদan	12	13	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	3,383
Eskdalegate	13	13	Brit.	Chile Nit. Sales Corp.	Marseilles, Fr.	Chile	Ballast	
Canada <sup>2</sup>	13	13	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General	169
Havelland <sup>2</sup>	12	13	Ger.	Hamburg-Amer. Line.	Mobile, Ala.	Yokohama, Japan	General	8,784
Nercliff <sup>2</sup>	12	13	Nor.	Chile Nit. Sales Corp.	Mobile, Ala.	Tocopilla, Chile.	Ballast	
Pearlstone	13	13	Brit.	Nav. & Coal Trade Co.	Rotterdam, Neth.	Long Beach, Cal.	Ballast	
Steelmaker	13	13	Amer.	Isthmian S. S. Lines.	Baltimore Md.	Seattle, Wash.	Steel, gen.	3,930
Point Brava	13	13	Amer.	Swayne & Hoyt	Tampa, Fla.	Seattle, Wash.	General	6,007
Northval <sup>2</sup>	13	13	Dan.	W. I. Trading Co.	Pt. Arthur, Tex.	Yawata, Japan	Scrap iron	7,627
Myoko Maru <sup>2</sup>	13	13	Jap.	Mitsui Line	New Orleans, La.	Yokohama, Japan	Rosin, cotton	7,698
Elg <sup>2</sup>	13	14	Nor.	Anglo-Can. S. S. Co.	Antwerp, Belgium	Vancouver, B. C.	General	1,239
Kongo Maru <sup>2</sup>	14	14	Jap.	Kokusai Kisen Kaisha	Philadelphia, Pa.	Kobe, Japan	Wood pulp	8,000
Santa Lucia	14	15	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	3,097
Steelore	14	15	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr de, Chile	Ballast	
Sage Brush	15	15	Amer.	Shepard S. S. Co.	Albany, N. Y.	Seattle, Wash.	General	5,025
Koryu Maru <sup>2</sup>	15	15	Jap.	United Ocean Transp.	Mobile, Ala.	Yokohama, Japan	Pig iron	7,300
Lossiebank <sup>2</sup>	15	15	Brit.	Bank Line, Ltd.	Boston, Mass.	Shanghai, China.	General	5,746
Dolores <sup>2</sup>	14	15	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Phantom <sup>5</sup>	15	16	Amer.	E. G. Willett	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Devon City <sup>2</sup>	15	16	Brit.	Mitsubishi Shoji K.	Tampa, Fla.	Yokohama, Japan	Phosphate	8,815
Bradglen	16	16	Brit.	Mitsubishi Shoji K.	Baltimore, Md.	Dairen, China.	Steel	7,797
Lebec <sup>1</sup>	16	16	Amer.	General Pet. Corp.	Aruba, N. W. I.	Hongkong, China	Diesel oil	9,987
Bretagne <sup>13</sup>	16	16	Neth.	L. Smit	Rotterdam, Neth.	B'ventura, Col.	Ballast	
Ganges <sup>4</sup>	15	16	Neth.	L. Smit	Rotterdam, Neth.	B'ventura, Col.	Ballast	
Amerikaland <sup>2</sup>	16	16	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr de, Chile	Ballast	
Steel Navigator	16	16	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Manila, P. I. <sup>(16)</sup>	General	8,520
Frida	15	16	Dan.	West Coast Line	New York, N. Y.	Talcahuano, Chile	General	1,874
Manizales	15	16	Ger.	North German Lloyd.	Cristobal, C. Z.	Balboa, C. Z.	Drydocking	
Sofie Bakke <sup>2</sup>	16	16	Nor.	Knut Knutsen O.A.S.	Malmö, Sweden	Punatarens, C. R.	Cement, gen.	3,506
Sheaf Crown <sup>2</sup>	16	17	Brit.	Mitsui & Co.	Philadelphia, Pa.	Moji, Japan.	General	8,100
Karnak	15	16	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General	4,296
Ino <sup>2</sup>	15	16	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	
Bogota <sup>2</sup>	10	16	Ger.	North German Lloyd.	Bremen, Ger.	Guayaquil, Ecu.	General <sup>(17)</sup>	1,072
Tennesseean	16	17	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General	4,140
Winslow <sup>5</sup>	15	17	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Arizonan	16	17	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	3,995
Horace Luckenbach	16	17	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	4,430
Seven Seas <sup>6</sup>	3-11	17	Amer.	Wm. T. Murnan	Miami, Fla.	South Seas	Ballast	
Nero <sup>2</sup>	15	17	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	42
Everleigh	17	17	Brit.	Atl. Ship. & Trad. Co.	Barry, England.	Vancouver, B. C.	Ballast	
Baldhill <sup>1</sup>	17	17	Amer.	Shell Terminal Corp.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
Wildwood	17	17	Amer.	McCormick S. S. Co.	Chester, Pa.	Seattle, Wash.	General	3,555
Alkmaar	16	18	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	2,116
Huguenot <sup>1</sup>	17	17	Amer.	Richfield Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Shakespear	17	17	Brit.	Canadian Transp. Co.	Barry, England.	Vancouver, B. C.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>6</sup> Yacht. <sup>10</sup> Mine sweeper. <sup>13</sup> Dredge. <sup>14</sup> For bananas and return to Cristobal. <sup>15</sup> Newspaper rolls. <sup>16</sup> General, ammonia, etc. <sup>17</sup> General, cement, beer, etc.



ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Captain C. M. Condon. <sup>11</sup>	...	...	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	(15)	.....
Elin K. <sup>2</sup>	17	18	Nor.	Chile Nit. Sales Corp.	Charleston, S. C.	Chile	Ballast	.....
Rotorua	18	18	Brit.	N. Z. Shipping Co.	London, England	Wellington, N. Z.	Gen., iron	5,224
Vihran	18	18	Nor.	Knutsen Line	Glasgow, Scot.	Los Angeles, Cal.	Ballast	.....
Hokkai Maru <sup>2</sup>	18	18	Jap.	Osaka Shosen Kaisha.	New York, N. Y.	Kobe, Japan	Gen., auto.	7,354
Baxtergate	17	18	Brit.	Turnbull Scott & Co.	Cardiff, Wales	Seattle, Wash.	Ballast	.....
Alabama	17	18	Fr.	French Line	Havre, France	Valparaiso, Chile.	General	2,455
Fortuna <sup>3</sup>	18	18	Pan.	Standard Fruit Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Mount Helmos	18	18	Greek.	Rethymnis & Kulukis	New York, N. Y.	Yokohama, Japan	Scrap iron	8,000
Norbryn <sup>2</sup>	18	18	Nor.	Seaboard Ship. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	.....
Lancaster Castle	18	19	Brit.	Chile Nit. Sales Corp.	Alexandria, Egypt	Iquique, Chile	Ballast	.....
F. J. Luckenbach	18	19	Amer.	Luckenbach Line	New Orleans, La.	Seattle, Wash.	Sugar, gen.	8,522
Trois Hets	14	19	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	52
Tatsuno Maru	18	19	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Kobe, Japan	Cotton, gen.	8,045
Salvador	12	19	Brit.	Pacific Steam Nav.Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	493
Salacia <sup>2</sup>	19	19	Brit.	Donaldson Brothers.	Glasgow, Scot.	Vancouver, B. C.	General	1,177
Lochmonar <sup>2</sup>	18	20	Brit.	Royal Mail Lines	Rotterdam, Neth.	Vancouver, B. C.	General	4,819
Santos <sup>2</sup>	19	19	Swed.	Johnson Line	Goth'burg, Swed.	Valparaiso, Chile.	(16)	5,467
Kabuku	19	19	Amer.	Matson Nav. Co.	Baltimore, Md.	Honolulu, T. H.	Steel, gen.	2,998
Porto Bello <sup>3</sup>	19	19	Pan.	A. Tagaropoulos.	Cristobal, C. Z.	Real, R. P.	General	3
Baldbutte <sup>1</sup>	20	20	Amer.	Shell Oil Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	.....
Antiochia	20	20	Ger.	Hamburg-Amer. Line.	Pt. Limon, C. R.	Champ'ico, Guat.	Ballast	.....
Eidsvold <sup>2</sup>	20	20	Nor.	Kawasaki K. Kaisha.	Santos, Brazil.	Yokohama, Japan	General	6,502
Ann Stathatos.	20	20	Greek.	Commercial Metals Co.	Pensacola, Fla.	Yokohama, Japan	Scrap steel	7,837
Maine	19	20	Amer.	Calif. Eastern Line	Norfolk, Va.	Seattle, Wash.	General	5,285
Nuevo Panama <sup>2</sup>	19	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	190
La Union <sup>2</sup>	19	19	Pan.	A. Valdes.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Real <sup>2</sup>	19	19	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
San Vincente.	20	21	Amer.	Quaker Line	New York, N. Y.	Seattle, Wash.	General	4,753
Dresen <sup>2</sup>	20	21	Ger.	North German Lloyd.	Hamburg, Ger.	Corral, Chile	General	3,871
Port Jackson <sup>2</sup>	21	21	Brit.	Port Line, Ltd.	London, England	Lyttleton, N. Z.	General	5,221
Tarangar <sup>2</sup>	21	21	Nor.	Interocan S. S. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	.....
Anna Maersk <sup>2</sup>	21	21	Dan.	A. P. Moller	Boston, Mass.	Manila, P. I.	General	6,704
Sagua	20	21	Amer.	United Fruit Co.	Boston, Mass.	Pto. Arml's, R.P.	Ballast	.....
Gargoyle <sup>1</sup>	21	21	Amer.	Socony-Vac. Oil Co.	Boston, Mass.	Los Angeles, Cal.	Ballast	.....
Chateau Thierry <sup>8</sup>	21	22	Amer.	U. S. Army	New York, N. Y.	Honolulu, T. H.	General	1,500
Monkleigh	21	21	Brit.	Seaboard Ship. Co.	Barry, England.	Vancouver, B. C.	Ballast	.....
Pirate <sup>3</sup>	21	21	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	(14)	20
Frank <sup>2</sup>	21	21	Pan.	Standard Fruit Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Sambu <sup>2</sup>	21	21	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>	(14)	25
Nathan <sup>2</sup>	21	21	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>	(14)	20
J-55 <sup>5</sup>	21	21	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....
Ojeda <sup>1</sup>	21	21	Venez.	Shell Oil Co.	Curacao N.W.I.	Balboa, C. Z.	(17)	2,018
Acacia <sup>13</sup>	16	16	Amer.	U. S. Government.	San Juan, P. R.	Balboa, C. Z.	Ballast	.....
Tornus <sup>1 2</sup>	21	22	Brit.	Anglo-Saxon Pet. Co.	Curacao, N.W.I.	Los Angeles, Cal.	Ballast	.....
Anglo Canadian <sup>2</sup>	21	22	Brit.	Lawther, Latta & Co.	Halifax, N. S.	Sydney, Australia	Newsprint	5,468
Santore	21	22	Amer.	Ore S. S. Corp	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Pukkastan	22	22	Brit.	Anglo-Can. S. S. Co.	Newcastle, Eng.	Vancouver, B. C.	Ballast	.....
City of Mobile	22	22	Brit.	Ellerman & Bucknall.	New York, N. Y.	Sydney, Australia	General	3,186
Edwin Christenson.	22	22	Amer.	Sudden & Christenson	Baltimore, Md.	Seattle, Wash.	General	1,770
Asuka Maru <sup>2</sup>	22	22	Jap.	Nippon Yusen Kaisha	Will'stad, N.W.I.	Kobe, Japan	(15)	9,460
Rio de Janeiro Maru. <sup>2</sup>	22	22	Jap.	Osaka Shosen Kaisha	Buenos Aires, Arg.	Kobe, Japan	(19)	4,869
Samuel Bakke <sup>2</sup>	22	22	Nor.	Knut Knutsen Line.	Cardiff, Wales.	Vancouver, B. C.	Ballast	.....
Robert Luckenbach.	22	22	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	4,079
Adventure <sup>5</sup>	21	21	Pan.	R. O. Shuey	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Hollywood	22	23	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General	2,133
Olaf Berg.	22	23	Nor.	Polaris S. S. Co.	New York, N. Y.	Osaka, Japan.	Scrap iron	8,100
D. G. Scofield <sup>1</sup>	22	23	Amer.	Standard Oil of Calif.	Baltimore, Md.	S. Francisco, Cal.	Ballast	.....
Seattle <sup>2</sup>	22	23	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B. C.	General	3,330
Istmo	17	23	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	600
Nero <sup>2</sup>	22	23	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Tumaco, Col.	General	148
Clio <sup>2</sup>	21	23	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	111
Australind.	23	24	Brit.	Australasian S. S. Co.	Philadelphia, Pa.	Adelaide, Aust.	General	4,854
Manizales	22	23	Ger.	North German Lloyd.	Cristobal, C. Z.	Guayaquil, Ecu.	General	492
Missourian <sup>2</sup>	23	23	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	4,414
Southern Cross <sup>6</sup>	20	20	Amer.	K. M. Schmidt	Baltimore, Md.	Round the world.	Ballast	.....
Winslow <sup>5</sup>	22	22	Amer.	U. S. Army	Cristobal, C. Z.	Gambo, C. Z.	Ballast	.....
Eridan <sup>2</sup>	23	24	Fr.	Messageries Marit'ies	Marseille, France	Noumea, N.Caled	Gen., iron	1,729
Bachaquero <sup>1</sup>	23	23	Brit.	Standard Oil of N. J.	Aruba, N. W. I.	Balboa, C. Z.	Drydocking	.....
Este	23	25	Ger.	North German Lloyd.	Hamburg, Ger.	Portland, Oreg.	General	3,537
Portmar	23	24	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,961
Anniston City.	23	24	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	4,645

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Yacht. <sup>6</sup> Transport. <sup>7</sup> Mine planter. <sup>8</sup> Lighthouse tender. <sup>9</sup> For bananas and return to Cristobal. <sup>10</sup> Towing barge No. 45. <sup>11</sup> Sugar, iron, general, etc. <sup>12</sup> Gasoline, lubricating oil. <sup>13</sup> Tinplate, potash, etc. <sup>14</sup> Bone, coffee, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Hird <sup>2</sup>	23	24	Nor	Mitsui & Co.	Mobile, Ala.	Kobe, Japan...	(14)	8,500
Texas Sun <sup>1 2</sup>	24	24	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	
Abraham Lincoln <sup>2</sup>	24	25	Nor	Fred Olsen Line	Oslo, Norway	Vancouver, B. C.	General	3,654
Koyei Maru <sup>2</sup>	24	24	Jap.	United Ocean Trsp. Co.	Tampa, Fla.	Yokohama, Japan	Phosphate	7,402
Chisone <sup>2</sup>	23	24	Ital	Italian Line	Trieste, Italy	Vancouver, B. C.	General	1,022
Carmen <sup>13</sup>	24	25	Pan	J. S. Diez	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Hegira	24	25	Amer.	Pac. Coast Dir. Line	New York, N. Y.	Seattle, Wash.	Steel, gen.	5,934
Anten	24	25	Swed.	Transatlantic S. S. Co.	Goth burg, Swed.	Los Angeles, Cal.	Ballast	
Vinland <sup>2</sup>	24	25	Nor	Knut Knutsen Line	Oslo, Norway	Talcahuano, Chile	General	1,240
City of Kimberley	24	25	Brit.	Ellerman Lines, Ltd.	New York, N. Y.	Osaka, Japan...	(15)	7,680
Hadleigh	24	25	Brit.	Atl. Ship. & Trad. Co.	Barry, England	Vancouver, B. C.	Ballast	
Leikanger	25	25	Nor	Westfal, Larsen & Co.	Buenos Aires, Arg.	Vancouver, B. C.	General	2,806
Cumberland	25	26	Brit.	Federal Steam Nav. Co.	Swansea, Eng.	Pt. Chalmers, N.Z.	General	8,262
Pereira	17	26	Pan	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	828
Matakana	25	26	Brit.	Shaw, Savill & Albion	Newcastle, Eng.	Oamaru, N. Z.	Ballast	
Reina del Pacifico <sup>2</sup>	25	25	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile	General	3,366
San Mateo...	25	26	Fr.	French Line	Antwerp, Belgium	Vancouver, B. C.	General	4,677
Trois Ilets	24	26	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	28
Firmore	26	26	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Rugeley <sup>2</sup>	26	26	Brit.	Mont.-Aust.-N.Z. Line	St. John, N. B.	Melbourne, Aust.	Newsprint	5,556
Naruto Maru <sup>2</sup>	26	26	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Osaka, Japan...	Steel, gen.	8,400
Peter Kerr	26	26	Amer.	States S. S. Co.	Philadelphia, Pa.	Tacoma, Wash.	General	4,135
Pirate <sup>3</sup>	26	26	Pan	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>16</sup>		20
Porto Bello <sup>3</sup>	26	26	Pan	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Willmoto <sup>2</sup>	26	27	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Seattle, Wash.	General	2,920
Welsh City	27	27	Brit.	Mitsubishi Line	Houston, Tex.	Yawata, Japan	Scrap steel	8,827
Panaman	27	27	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	3,608
Drechtijk <sup>2</sup>	26	28	Neth.	N. Pac. Coast Line	Rotterdam, Neth.	Vancouver, B. C.	General	6,142
A'tor <sup>1 2</sup>	27	27	Pan	Brun V. D. Lippe	Corpus Ch'ti, Tex.	Yokohama, Japan	Crude oil	14,124
Taira <sup>2</sup>	26	26	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	26	27	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm's, R. P.	General	40
Nathan <sup>2</sup>	26	26	Pan	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>16</sup>		20
Sambu <sup>2</sup>	26	26	Pan	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>16</sup>		25
Sona <sup>2</sup>	26	26	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Breckenridge <sup>3</sup>	27	28	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Queen Maud <sup>2</sup>	27	28	Brit.	Westralian Farmers	Freeport, Tex.	Australia	Sulphur	8,501
Honomu	28	28	Amer.	Matson Nav. Co.	Baltimore, Md.	Hilo, T. H.	Gen., autos.	2,680
Cubore	28	28	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Oregon Express <sup>2</sup>	28	28	Nor	Fruit Express Line	Glasgow, Scot.	Los Angeles, Cal.	Ballast	
Magnolia <sup>1</sup>	28	28	Amer.	Socony-Vac. Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Gefion <sup>1</sup>	28	28	Nor	Eiv. Evensen	Liverpool, Eng.	Los Angeles, Cal.	Ballast	
Paula	28	28	Dan.	West Coast Line	New York, N. Y.	Talcahuano, Chile	General	1,180
Vito <sup>2</sup>	28	28	Nor	Kawasaki K. Kaisha	Mobile, Ala.	Kobe, Japan	(17)	8,100
W. R. Keever	28	28	Amer.	Tex. & Freeport Sul.	Galveston, Tex.	Everett, Wash.	Sulphur	4,850
Jew Baby <sup>3</sup>	29	29	Amer.	Wm. Zacharamko	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
President Polk	29	29	Amer.	Dollar Line	Boston, Mass.	Penang, Str. Sett.	Gen., autos.	5,808
Sawokla <sup>2</sup>	28	29	Amer.	Roosevelt S. S. Co.	New York, N. Y.	Shanghai, China	General	6,447
Olympos	28	29	Greek	Mitsui Line	Houston, Tex.	Osaka, Japan	Scrap iron	6,800
Cape Horn <sup>2</sup>	28	29	Brit.	Anglo-Can. Ship. Co.	Avonmouth, Eng.	Brit. Columbia	Ballast	
Port Montreal <sup>2</sup>	29	30	Brit.	Mont.-Aust.-N.Z. Line	Halifax, N. S.	Dunedin, N. Z.	Gen., paper	3,961
Merchant Royal	29	29	Brit.	Seaboard Ship. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Mataroa	28	29	Brit.	Shaw, Savill & Albion	London, England	Auckland, N. Z.	General	7,975
William Luckenbach	29	29	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,895
San Cipriano <sup>1 2</sup>	29	29	Brit.	Eagle Oil & Ship. Co.	Tyne, England	Los Angeles, Cal.	Ballast	
Thorstrand <sup>2</sup>	28	29	Nor	Fred Olsen Line	Sandefjord, Nor.	Los Angeles, Cal.	Ballast	
Santa Inez <sup>2</sup>	28	30	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile	General	1,580
Jersey City	29	29	Brit.	Mitsubishi Shoji K.	New York, N. Y.	Yawata, Japan	Scrap steel	8,815
Thorshavn <sup>1 2</sup>	29	29	Nor	Bernuth Lembek Co.	Grangem'th, Eng.	Oakland, Calif.	Creosote	10,181
Bethore	29	29	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Frank <sup>3</sup>	26	29	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Baarn	28	30	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	2,791
Laila	29	30	Dan.	Wessel, Duval & Co.	New York, N. Y.	Talcahuano, Chile	General	1,616
Forbes Hauptman	29	30	Amer.	McCormick S. S. Co.	Philadelphia, Pa.	Seattle, Wash.	General	3,786
Tilstoning Court	29	30	Brit.	Canadian Transp. Co.	Louisburg, Can.	Vancouver, B. C.	General	8,600
Loch Ranza	30	30	Brit.	Canadian Transp. Co.	Barry, England	Vancouver, B. C.	Ballast	
Oklahoman	29	30	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	3,236
Ino <sup>2</sup>	28	30	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	22
Trowellard	30	30	Brit.	Mont.-Aust.-N.Z. Line	St. John, N. B.	Sydney, Australia	Newsprint	5,224
Oregonian	30	30	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	3,032
Istmo	28	30	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	360
Aconagua <sup>2</sup>	30	30	Chile	Cia. Sud. Amer. de Vap.	Nakskov, Den.	Valparaiso, Chile	General	1,426
Erria <sup>2</sup>	30	30	Dan.	East Asiatic Co.	Copenhagen, Den	Vancouver, B. C.	General	694
Hopecrest	30	30	Brit.	Hopemount Ship. Co.	Newcastle, Eng.	Los Angeles, Cal.	Ballast	
Fulda <sup>2</sup>	29	1	Ger.	North German Lloyd.	Hamburg, Ger.	Corral, Chile	General	3,055
Willamette Vallev. <sup>2</sup>	30	1	Brit.	Mitsubishi Shoji K.	Tampa, Fla.	Yokohama, Japan	Phosphate	8,000

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>13</sup> Cayuco. <sup>14</sup> Pig iron, rosin. <sup>15</sup> Asbestos, scrap iron. <sup>16</sup> For bananas and return to Cristobal. <sup>17</sup> Cotton, pig iron, etc.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Nuevo Panama 2	29	1	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Aguadulee, R. P.	General	1,240
Casarco No. 5 4	5	1	Brit.	N. C. Rice.	N. Brunswick, N. J.	Balboa, C. Z.	Ballast	
Laguna 2	30	1	Brit.	Pacific Steam Nav. Co.	Hull, England	Valparaiso, Chile.	General	3,379
Lenda 1	1	1	Nor.	Mitsubishi Shoji K.	Mobile, Ala.	Kobe, Japan	General	6,214
Cromarty 2	1	1	Brit.	Canadian Transp. Co.	Newcastle, Eng.	Vancouver, B. C.	Ballast	
Tekoa 1	1	1	Brit.	N. Z. Shipping Co.	Glasgow, Scot.	Bluff, N. Z.	Ballast	
Point Palmas 1	1	1	Amer.	Gulf-Pacific Line.	Corpus Christi, Tex.	Tacoma, Wash.	General	6,304
Nero 2	30	1	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	98
Cerigo 29			Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Balboa, C. Z.	Drydocking	
S-43 7			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Helen Whittier 1	2	2	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	S. Francisco, Cal.	Steel, gen.	2,740
Silverteak 2	2	2	Brit.	Silver Line, Ltd.	New York, N. Y.	Hongkong, China	General	4,677
King John 2	2	2	Brit.	Canadian Transp. Co.	Hull, England	Los Angeles, Cal.	Ballast	
San Gabriel 1	2	2	Amer.	Pac-Atl. S. S. Co.	Albany, N. Y.	Tacoma, Wash.	General	2,813
Germania 1 2	2	2	Ger.	Elbe	Hamburg, Ger.	Talara, Peru	Ballast	
West Ivis 1	2	2	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Vancouver, B. C.	Gen., coffee	4,692
Zannis L. Cambanis 2	2	2	Greek.	L. Z. Cambanis	Boston, Mass.	Japan	Scrap iron	7,246
Beloit 2	30	2	Hond.	Albion Mining Co.	Tampa, Fla.	Tumaco, Colom.	Machinery	45
Durazzo 1	2	2	Ger.	Hamburg-Amer. Line.	Pto. Colombia	Guayaquil, Ecua.	Gen., salt	462
Mallard 10			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Kanto Maru 2	2	3	Jap.	Osaka Shosen Kaisha	Portland, Oreg.	Kobe, Japan	Gen., steel	7,674
Celtic Monarch 2	3	3	Brit.	Canadian Transp. Co.	Tampa, Fla.	N. Westminster, B. C.	Phosphate	1,000
Silda 1 2	2	3	Nor.	Standard Oil of N. J.	La Guayra, Venez.	Tocopilla, Chile	Fuel oil	10,639
Washington 2	3	3	Amer.	Weyerhaeuser S. S. Co.	Norfolk, Va.	Los Angeles, Cal.	General	2,930
Hindanger 2	3	3	Nor.	Interocean S. S. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Greystoke Castle 3	3	3	Brit.	Barber Line	New York, N. Y.	Hongkong, China	General	3,080
Port Bowen 3	3	3	Brit.	Port Line, Ltd.	England	Adelaide, Aust.	General	5,493
Utahan 3	3	3	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General	3,202
Anglo African 3	3	3	Brit.	Seaboard Ship. Co.	S. Shields, Eng.	Vancouver, B. C.	Ballast	
Acajutla 4	26	4	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champico, Guat.	General	1,104
Porto Bello 3	3	3	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Papote 1	3	4	Amer.	Shell Petroleum Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Florence Luckenbach 3	4	4	Amer.	Luckenbach Line	Houston, Tex.	Seattle, Wash.	General	6,239
Alaskan 4	4	4	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	3,083
Gunda 4	4	4	Nor.	Trans. & Gulf Co.	Habana, Cuba	Guaymas, Mex.	Ballast	
President de Vogue, 1 2	4	4	Nor.	Comp.de Prod.Chem. Raffinerias de Berre	Pt. de Bouc, Fr.	Talara, Peru	Ballast	
Trois Dets 3	5	5	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	17
Nathan 5	1	5	Amer.	U. S. Army	New York, N. Y.	Honolulu, T. H.	General	5,200
Nathan 2	3	3	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	General	20
Sambu 2	3	3	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	General	25
Sona 2	3	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General	40
J-26 5			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow, barge	
R. J. Hanna 1	5	5	Amer.	Standard Oil of Calif.	Baltimore, Md.	S. Francisco, Cal.	Ballast	
Corinthic 5	5	5	Brit.	Cockerline & Co.	Mobile, Ala.	Japan	General	7,304
Tropic Star 2	5	5	Nor.	Chile Nit. Sales Corp.	Mobile, Ala.	Tocopilla, Chile	Ballast	
Navarino 5	5	5	Brit.	Canadian Transp. Co.	London, England	Vancouver, B. C.	Ballast	
Pirate 2	5	6	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	General	20
Santa Clara 5	6	6	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,602
Rhakotis 2	5	6	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General	2,747
Hoehg Carrier 2	5	6	Nor.	Mitsubishi Shoji K.	New York, N. Y.	Kobe, Japan	Scrap iron	8,004
Kimikawa Maru 2	5	6	Jap.	Kawasaki K. Kaisha	Boston, Mass.	Dairen, China	General	7,782
Aobasan Maru 2	6	6	Japan	Mitsui Bussan Kaisha	Baltimore, Md.	Moji, Japan	General	7,068
Marian Otis Chandler 6	6	6	Amer.	Matson Nav. Co.	Mobile, Ala.	Honolulu, T. H.	General	7,034
Queen Victoria 2	6	6	Brit.	Dunlop & Sons	Providence, R. I.	Osaka, Japan	Scrap iron	8,600
Gretavale 6	6	6	Brit.	Chile Nit. Sales Corp.	Genoa, Italy	Chile	Ballast	
K. I. Luckenbach 6	6	6	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	4,162
Cingalese Prince 2	6	6	Brit.	Mitsui & Co.	Norfolk, Va.	Moji, Japan	Scrap iron	9,270
St. Mihiel 5	6	6	Amer.	U. S. Army	Brooklyn, N. Y.	Balboa, C. Z.	General	585
Patrick Henry 6	7	7	Amer.	Lykes Bros.-Ripley.	Mobile, Ala.	Yawata, Japan	General	9,565
Popeye 5			Pan.	J. E. Baxendale	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Frank 3	5	6	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Aguadulee, R. P.	General	60
J-62 5			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Tacoma 6	8	7	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B. C.	Iron, gen.	3,455
Ulm 2	6	7	Ger.	North German Lloyd.	Bremen, Ger.	Los Angeles, Cal.	General	384
Mount Pera 6	7	7	Greek	Long. Is. Mach. & Eq.	Norfolk, Va.	Yokohama, Japan	Scrap iron	7,008
Fortuna 3	7	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Rokos Vergotis 6	7	7	Greek	R. Vergotis	Rotterdam, Neth.	Yawata, Japan	Scrap iron	7,523
Matros 2	7	7	Pan.	Chile Nit. Sales Corp.	Charleston, S. C.	Tocopilla, Chile.	Ballast	
Triton 2	7	7	Nor.	Barber-Wilhelmssen.	New York, N. Y.	Osaka, Japan	General	5,765
Hoeppeak 2	6	7	Brit.	Hopemount Ship. Co.	Newcastle, Eng.	Far East.	General	7,514
Texmar 7	7	7	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	6,209
San Francisco Maru 7	8	8	Jap.	Yamashita Ship. Co.	Hamburg, Ger.	Los Angeles, Cal.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Yacht. <sup>6</sup> Yacht. <sup>7</sup> Submarine. <sup>8</sup> Transport. <sup>9</sup> Mine sweeper. <sup>10</sup> Mine sweeper. <sup>11</sup> Steel, scrap iron. <sup>12</sup> Pipe, rosin, and general. <sup>13</sup> For bananas and return to Cristobal. <sup>14</sup> Pig iron and scrap. <sup>15</sup> Iron, steel, oil. <sup>16</sup> General iron, lubricating oil. <sup>17</sup> Scrap iron, general.



ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Margaret Johnson <sup>2</sup>	7	7	Swed.	Johnson Line.....	Goth'burg, Swed.	Vancouver, B. C.	General.....	3,544
Clio <sup>2</sup>	6	7	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General.....	150
Istmo	19	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.....	575
Montgomery City	7	8	Amer.	Isthmian S. S. Lines.	Portland, Me.	Seattle, Wash.	General.....	4,454
Justitia	7	8	Brit.	Bank Line.....	Baltimore, Md.	Kobe, Japan.	Scrap steel	5,323
Wind Rush	7	8	Amer.	Shepard S. S. Co.	New York, N. Y.	Tacoma, Wash.	General.....	4,091
Trondanger <sup>2</sup>	7	8	Nor.	Interocean S. S. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.....	
Kaikoura <sup>2</sup>	8	8	Brit.	Mont.-Aust.-N.Z. Line	St. John, N. B.	Adelaide, Aust.	General.....	4,972
Californian <sup>2</sup>	8	8	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General.....	3,400
Myrmidon	8	8	Brit.	Ocean S. S. Corp.	New York, N. Y.	Osaka, Japan.	General.....	5,656
Roxen	8	8	Swed.	Transatlantic S. S. Co.	Antwerp, Belgium	S. Francisco, Cal.	Chalk, sand	2,000
Turakina	8	8	Brit.	N. Z. Shipping Co.	Liverpool, Eng.	Auckland, N. Z.	General.....	6,450
Pacific Pioneer <sup>2</sup>	8	8	Brit.	Furness, Withy & Co.	Glasgow, Scot.	Vancouver, B. C.	General.....	1,077
Nero <sup>2</sup>	7	8	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.....	80
S-44 <sup>7</sup>			Amer.	U. S. Navy.....	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
S-45 <sup>7</sup>			Amer.	U. S. Navy.....	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
S-46 <sup>7</sup>			Amer.	U. S. Navy.....	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
S-47 <sup>7</sup>			Amer.	U. S. Navy.....	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Surrey	8	9	Brit.	N. Z. Shipping Co.	London, England	Napier, N. Z.	Ballast.....	
Evita <sup>2</sup>	9	9	Nor.	J. M. Uglund	Grangem'th, Eng.	Los Angeles, Cal.	Ballast.....	
Santa Isabel <sup>3</sup>	7	9	Nic.	Bernabe Guerrero...	Bluff, Nicaragua	Corinto, Nic.	Iron.....	40
Illinois	8	9	Amer.	Mitsui & Co.	Mobile, Ala.	Yokohama, Japan	Pig iron...	6,787
Thorshovdi <sup>1 2</sup>	9	9	Nor.	Anglo-Saxon Pet. Co.	London, England	S. Francisco, Cal.	Ballast.....	
Cerigo	8	9	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecu.	General.....	132
Port Wyndham <sup>2</sup>	9	9	Brit.	Port Line.....	New York, N. Y.	Dunedin, N. Z.	(15)	2,641
Smaragd	3	9	Nor.	Grace Line.....	Habana, Cuba.	Champ'ico, Guat.	General.....	603
Petrofina <sup>1 2</sup>	5	10	Nor.	Comp. Fin. Belge Pet.	Dunkerque, Fr.	Talara, Peru	Ballast.....	
City of Manila	9	10	Brit.	Ellerman-Hall Line.	New York, N. Y.	Brisbane, Aust.	General.....	5,230
Montevideo Maru	10	11	Jap.	Osaka Shosen Kaisha.	Buenos Aires, Arg.	Kobe, Japan	General.....	3,987
Absaroka	10	10	Amer.	McCormick S. S. Co.	Norfolk, Va.	Seattle, Wash.	General.....	3,920
Lebore	10	10	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.....	
Nagara Maru <sup>2</sup>	10	10	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Kobe, Japan	(16)	7,867
Barrhill	10	10	Brit.	States Marine Corp.	Chester, Pa.	Osaka, Japan	Scrap steel	7,013
Molda <sup>2</sup>	10	10	Nor.	Mitsui Line.....	Mobile, Ala.	Osaka, Japan	(17)	3,520
Porto Bello <sup>2</sup>	10	10	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General.....	3
Dolores <sup>3</sup>			Amer.	U. S. Army.....	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	

PACIFIC TO ATLANTIC

Texas Sun <sup>1 2</sup>	10	11	Amer.	Sun Oil Co.....	Los Angeles, Cal.	Chester, Pa.	Gasoline.....	14,971
Rialto <sup>2</sup>	11	12	Ital.	Italia S. A. Di Nav.	S. Francisco, Cal.	Trieste, Italy.	General.....	6,717
Helgoy <sup>2</sup>	11	11	Nor.	Co. Graal De Tab De Filipinas.	Cebu, P. I.	East coast, U.S.A.	Sugar.....	9,080
Fortuna <sup>2</sup>	11	18	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Colon, R. P.	Bananas.....	75
Santa Inez <sup>2</sup>	11	11	Amer.	Grace Line.....	Chanaral, Chile.	New York, N. Y.	General.....	2,794
Vera <sup>1 2</sup>	11	11	Nor.	Shell Oil Co.	Los Angeles, Cal.	Lands End <sup>14</sup>	Gasoline.....	9,319
Point Ancha	11	11	Amer.	Swayne & Hoyt.	Seattle, Wash.	New Orleans, La.	General.....	5,233
Jane Christenson	11	11	Amer.	Arrow Line.....	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	6,597
Taira <sup>2</sup>	11	12	Pan.	Laffargue Bros.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	53
Real <sup>2</sup>	11	12	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	29
Franz Klasen <sup>1 2</sup>	12	12	Pan.	W. Tankschiff Rhed'.	Talara, Peru	Hamburg, Ger.	Mineral oil.	17,407
Hermouthis <sup>2</sup>	11	12	Ger.	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger.	General.....	5,229
Knoxville City	12	12	Amer.	Isthmian S. S. Lines.	Kahului, T. H.	New York, N. Y.	Sugar, gen.	7,405
San Marcos	12	12	Amer.	Quaker Line.....	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,045
King Idwal	12	12	Brit.	Canadian Transp. Co.	Brit. Columbia	Liverpool, Eng.	(18)	7,880
St. Mihiel <sup>8</sup>	11	13	Amer.	U. S. Army.....	S. Francisco, Cal.	Brooklyn, N. Y.	Army stores.	246
Blairlogie	12	13	Brit.	Seaboard Ship. Co.	Nanaimo, B. C.	Garston, England	Lumber.....	6,775
Salvador	12	19	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	Coffee, gen.	949
Bethore	13	13	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,500
Winkleigh	12	13	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	London, England	Grain, lum.	8,850
Itauri	12	14	Ger.	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger.	General.....	7,892
Mobiloi <sup>1</sup>	12	13	Amer.	Socony-Vac. Oil Co.	Los Angeles, Cal.	Providence, R. I.	Gasoline.....	14,967
Frimaire <sup>1</sup>	13	14	Fr.	Raffineries De Berre.	Talara, Peru	Berre, France	Crude oil	13,025
Queen Adelaide <sup>2</sup>	13	13	Brit.	Anglo-Can. S. S. Co.	S. Francisco, Cal.	Grangem'th, Scot	(19)	8,067
Columbian	13	13	Amer.	Amer.-Hawaiian Line.	Los Angeles, Cal.	Baltimore, Md.	General.....	5,561
British Columbia Express <sup>2</sup>	13	13	Nor.	Fruit Express Line.	Seattle, Wash.	London, England	Apples, pears	2,042
Deborah <sup>2</sup>	13	13	Pan.	Limits Commission, Colon and Panama.	Panama, R. P.	Colon, R. P.	Ballast.....	
Loke <sup>13</sup>	13		Amer.	O. G. Paterson	Balboa, C. Z.	Cristobal, C. Z.	Ballast.....	
Hi. Winj <sup>13</sup>	13		Amer.	Milton Dunn	Balboa, C. Z.	Cristobal, C. Z.	Ballast.....	
Grover J. <sup>12</sup>	13		Amer.	G. Gravatt	Balboa, C. Z.	Cristobal, C. Z.	Ballast.....	
Sea Deer <sup>13</sup>	13		Amer.	Bobbie Patchett.	Balboa, C. Z.	Cristobal, C. Z.	Ballast.....	
Hobo <sup>13</sup>	13		Amer.	H. Rose	Balboa, C. Z.	Cristobal, C. Z.	Ballast.....	
Me'n Pop <sup>13</sup>	13		Amer.	F. Hauss	Balboa, C. Z.	Gatun, C. Z.	Ballast.....	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Submarine. <sup>6</sup> Transport. <sup>7</sup> Sailboat. <sup>8</sup> For orders. <sup>9</sup> General, lubricating oil, etc. <sup>10</sup> Steel, iron, oil, etc. <sup>11</sup> Pig iron, cotton, cloth. <sup>12</sup> Lumber, wood pulp. <sup>13</sup> Lumber, lead, barley.



## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Calgarolite <sup>1 2</sup>	13	14	Brit.	Imperial Oil Ship Co.	Talara, Peru	Halifax, N. S.	Crude oil	16,613
Matros (ex Olympe)	21	14	Pan.	Chile Nit. Sales Corp.	Iquique, Chile	Jacksonville, Fla.	(13)	6,500
Tornus <sup>1 2</sup>	14	14	Brit.	Curacaoese Pet. Ind.	Los Angeles, Cal.	Curacao, N.W.I.	Benzine	11,515
Trois Ilets	14	19	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	(14)	263
Tokai Maru <sup>2</sup>	14	14	Jap.	Osaka Syosen Kaisya	Manila, P. I.	Baltimore, Md.	General	3,954
West Camargo	14	14	Amer.	McCormick S. S. Co.	Seattle, Wash.	Buenos Aires, Arg.	General	6,623
Wyoming	14	15	Fr.	French Line	Vancouver, B. C.	Rotterdam, Neth.	Wheat, gen.	7,340
Edgar F. Luckenbach	14	14	Amer.	Luckenbach-Gulf Co.	Portland, Oreg.	Mobile, Ala.	Lumber, gen.	3,762
Winslow	14	16	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow. barge	.....
Ino <sup>2</sup>	14	16	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	266
Nero <sup>2</sup>	15	17	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee, hides	272
Chastine Maersk <sup>2</sup>	14	16	Dan.	A. P. Moller	Manila, P. I.	New Orleans, La.	Sugar	7,600
Gannett <sup>4</sup>	15	15	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	.....	.....
Minerva <sup>2</sup>	15	15	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Norfolk, Va.	Nit. of soda	9,350
Villager <sup>2</sup>	15	15	Nor.	Intercean S. S. Corp.	Vancouver, B. C.	Rotterdam, Neth.	(15)	7,365
Manizales	15	16	Ger.	North German Lloyd.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	894
Talaralite <sup>1 2</sup>	7	15	Brit.	Imperial Oil Ship Co.	Talara, Peru	Halifax, N. S.	Crude oil	3,292
Pan Norway <sup>1 2</sup>	15	15	Nor.	Standard Oil of N. J.	El Segundo, Cal.	Hull, England	Benzine	13,219
Johilla	15	16	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Garston, England	(16)	6,743
Arimasan Maru <sup>2</sup>	15	16	Jap.	Mitsui Senpakubu	Manila, P. I.	New York, N. Y.	General	7,247
Hanley	16	16	Amer.	Weyerhaeuser S. S. Co.	Portland, Oreg.	Baltimore, Md.	(17)	11,240
Elbe <sup>2</sup>	16	17	Ger.	North German Lloyd	Vancouver, B. C.	Bremen, Ger.	General	5,974
Santa Isabel <sup>2</sup>	16	17	Nic.	B. Guerrero	Corinto, Nic.	Bluefields, Nic.	Sugar	20
Harpoon	16	16	Amer.	Shepard S. S. Co.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,565
Porto Bello <sup>2</sup>	15	19	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(18)	11
Huntingdon	16	17	Brit.	Federal Steam Nav. Co.	Nelson, N. Z.	Newcastle, Eng.	Frozen, gen.	7,388
Port Auckland	16	18	Brit.	Port Line	New Zealand	Hamburg, Ger.	Frozen, gen.	7,197
Steel Age	16	17	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Avonmouth, Eng.	Lumber, gen.	4,291
Lima <sup>2</sup>	16	18	Swed.	Johnson Line	Vancouver, B. C.	Stockholm, Swed.	General	5,447
Labaina	17	17	Amer.	Matson Nav. Co.	Honolulu, T. H.	Galveston, Tex.	Sugar	7,466
Huenlife	16	17	Brit.	Dingwall, Cotts & Co.	Vancouver, B. C.	London, England	Lum., wheat	7,141
Dorothy Luckenbach	17	17	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,552
Parthenia	17	17	Brit.	Donaldson Bros.	Victoria, B. C.	Glasgow, Scot.	General	5,844
Perreira	17	25	Pan.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General	482
Moldanger <sup>2</sup>	17	18	Nor.	Intercean S. S. Co.	Vancouver, B. C.	Rotterdam, Neth.	Grain, gen.	8,320
Istmo	17	23	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	668
Barneveld	18	18	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	7,916
Jersey <sup>2</sup>	17	18	Brit.	Morrel, Ltd.	Manila, P. I.	N. of Hatteras	Sugar	8,925
R. J. Hanna <sup>1</sup>	18	18	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Baltimore, Md.	Asphalt	9,502
Patricia <sup>2</sup>	18	19	Ger.	Hamburg-Amer. Line.	Champ'ico, Guat.	Hamburg, Ger.	Coffee, gen.	1,955
Port Melbourne	18	19	Brit.	Port Line	Auckland, N. Z.	London, England	Frozen, gen.	6,766
Golden Cloud	18	18	Amer.	Matson Nav. Co.	Honolulu, T. H.	New York, N. Y.	Sugar	7,554
Mexican	18	18	Amer.	Amer.-Hawaiian Line.	Los Angeles, Cal.	Boston, Mass.	Lumber, gen.	9,277
Phantom <sup>5</sup>	18	18	Amer.	E. G. Willett	Balboa, C. Z.	Cristobal, C. Z.	Ballast	.....
California	18	20	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	4,780
Beaconstar <sup>1</sup>	18	19	Amer.	Imperial Oil Co.	Talara, Peru	Montreal, Canada	Gasoline	8,434
Babbitt <sup>9</sup>	18	20	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	.....	.....
Gypsum Queen	19	19	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Jacksonville, Fla.	Nitrates	6,430
President Herenschmidt <sup>1 2</sup>	18	19	Nor.	Pechelbronn	Talara, Peru	Antwerp, Belgium	Crude oil	13,283
Sidney M. Hauptman	19	19	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	9,038
Mobile City	19	19	Amer.	Isthmian S. S. Lines.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	6,198
Nuevo Panama <sup>2</sup>	19	20	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	100
Stonagate	19	19	Brit.	Seaboard Ship. Co.	N. Westm'er, B. C.	London, England	Lum., cereals	7,200
Santa Clara	19	19	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	(19)	5,032
American	19	19	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	4,233
Clarence M. Condon <sup>11</sup>	19	19	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow. barge	.....
Real <sup>2</sup>	19	20	Pan.	Elliot Ship. & Land Co.	Balboa, C. Z.	Cristobal, C. Z.	Bananas	34
La Union <sup>2</sup>	19	20	Pan.	A. A. Valdes	Bayano, R. P.	Cristobal, C. Z.	Bananas	15
Siljestad <sup>2</sup>	19	20	Nor.	Fernley & Eger	Manila, P. I.	New York, N. Y.	(20)	7,183
Northumberland	19	20	Brit.	N. Z. Shipping Co.	Wanganui, N. Z.	London, England	Frozen, gen.	7,282
El Aleto <sup>1 2</sup>	19	20	Brit.	C. T. Bowring & Co.	Cabo Bl'co, Peru.	Ellesmere, Eng.	Crude oil	10,574
Kinka Maru <sup>2</sup>	19	20	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	Baltimore, Md.	(21)	6,298
San Lucas	18	20	Amer.	States S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	8,797
Oakworth	20	20	Brit.	Canadian Transp. Co.	Vancouver, B. C.	S'ampton, Eng.	Lumber, gen.	6,400
Chile <sup>2</sup>	20	20	Swed.	Johnson Line	Valparaiso, Chile.	Stockholm, Swed.	General	6,324
Alnmoor	21	21	Brit.	Anglo-Can. S. S. Co.	N. Westm'er, B. C.	London, England	Lum., barley	9,378
Azumasan Maru <sup>2</sup>	21	21	Jap.	Mitsui Bussan Kaisha	Yokohama, Japan	New York, N. Y.	(22)	8,150
Clio <sup>2</sup>	21	23	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	General	478
Tuli <sup>5</sup>	21	21	Amer.	Max Bilgray	Balboa, C. Z.	Cristobal, C. Z.	Ballast	.....
Adventure <sup>5</sup>	21	22	Amer.	R. O. Shuey	Balboa, C. Z.	Cristobal, C. Z.	(23)	.....
Manizales	16	23	Ger.	North German Lloyd.	Balboa, C. Z.	Cristobal, C. Z.	Ballast	.....

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>9</sup> Destroyer. <sup>11</sup> Mine planter. <sup>13</sup> Potash, nitrate. <sup>14</sup> Coffee, ivory nuts. <sup>15</sup> Grain, lumber, general. <sup>16</sup> Lumber, grain, pulp. <sup>17</sup> Lumber, copper, pulp. <sup>18</sup> Plantains, lumber. <sup>19</sup> Coffee, copper. <sup>20</sup> Chromite, copper, general. <sup>21</sup> Coconut oil, general. <sup>22</sup> Silk, coconut oil, general. <sup>23</sup> Towing launch Tuli.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Nero <sup>2</sup>	22	23	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee, hides	119
Yamaura Maru.	21	22	Jap.	Yamashita K. Kaisha	Dairen, China.	Buenos Aires, Arg.	(15)	6,663
Timountain 1	21	22	Amer.	Shell Terminal Co.	Los Angeles, Cal.	Sewaren, N. J.	Petroleum...	8,658
Benvenue	22	22	Brit.	W. Seales & Co.	Timaru, N. Z.	London, England	(16)	3,908
Kensington Court	22	22	Brit.	Seaboard Ship. Co.	Portland, Ore.	Liverpool, Eng.	Grain, lum.	7,250
Durazzo.	22	25	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	1,104
Kiyokawa Maru <sup>2</sup>	22	23	Jap.	Kawasaki K. Kaisha	Manila, P. I.	Baltimore, Md.	General...	2,305
Kozui Maru <sup>2</sup>	22	22	Jap.	United Ocean Transp.	Bais, P. I.	Boston, Mass.	Sugar, gen.	8,717
Tampa <sup>2</sup>	22	23	Amer.	Roosevelt S. S. Co.	Hongkong, China	New York, N. Y.	Lumber, gen.	7,782
King Egbert <sup>2</sup>	22	23	Brit.	King Line, Ltd.	Vancouver, B. C.	Hull, England.	Lumber	7,425
California Ex-press <sup>2</sup>	22	23	Nor.	Fruit Express Line.	Seattle, Wash.	Rotterdam, Neth.	Fresh fruit.	1,757
Malayan Prince <sup>2</sup>	23	23	Brit.	Prince Line, Ltd.	Hongkong, China	New York, N. Y.	Sugar, gen.	7,475
Ganges.	22	25	Neth.	L. Smit & Co.	B'ventura, Col.	Rotterdam, Neth.	Ballast	.....
Silverwillow <sup>2</sup>	23	23	Brit.	Silver Line.	Vancouver, B. C.	Calcutta, India.	(17)	6,670
Oregon <sup>2</sup>	23	24	Fr.	French Line.	Corral, Chile.	Antwerp, Belgium	Copper, gen.	9,807
Ojeda <sup>1</sup>	22	23	Venez.	Shell Oil Co.	Balboa, C. Z.	Maracaibo, Venez	Ballast.	.....
Point Salinas.	23	23	Amer.	Gulf-Pacific Line.	Portland, Ore.	Panama City, Fla.	General...	5,365
Tai Shan <sup>2</sup>	23	24	Nor.	Barber-Wilhelmsen.	Pt. Lamou, P. I.	Boston, Mass.	Lumber, gen.	3,648
Porto Bello <sup>2</sup>	22	23	Pan.	A. Tagaropoulos.	Darien, R. P.	Colon, R. P.	(18)	15
Lebore.	24	24	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Sagua	24	24	Amer.	United Fruit Co.	Boston, Mass.	Mobile, Ala.	Bananas	950
Aldebaran <sup>2</sup>	24	24	Amer.	Francis Taylor	Balboa, C. Z.	Gatun, C. Z.	.....	.....
Minnesota.	24	24	Amer.	Amer.-Hawaiian Line.	Portland, Ore.	Boston, Mass.	General...	3,740
Trois Ilets.	24	26	Fr.	French Line.	B'ventura, Col.	Cristobal, C. Z.	Coffee	185
Warkworth.	24	25	Brit.	Anglo Can. S. S. Co.	Victoria, B. C.	Liverpool, Eng.	Wheat, lum.	7,200
Cape Nelson.	24	24	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	New Orleans, La.	Nitrate	6,250
Washingtonian.	24	24	Amer.	Amer.-Hawaiian Line.	Portland, Ore.	Baltimore, Md.	General...	6,553
Trontolite <sup>1</sup>	24	25	Brit.	Imperial Oil Ship. Co.	Talara, Peru	Montreal, Canada	Gasoline...	7,556
Annie Johnson <sup>2</sup>	24	25	Swed.	Johnson Line.	Vancouver, B. C.	Stockholm, Swed.	Wheat, gen.	2,563
Oropesa.	25	26	Brit.	Pacific Steam Nav. Co.	San Antonio, Chile	Liverpool, Eng.	Copper, gen.	8,352
Rigmor <sup>1</sup>	25	25	Nor.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Lands End <sup>14</sup> .	Gasoline	9,110
Golden Horn.	25	25	Amer.	Matson Nav. Co.	Honolulu, T. H.	U. S. Atl. ports.	(19)	8,453
Acacia <sup>13</sup>	25	27	Amer.	U. S. Government	Balboa, C. Z.	Cristobal, C. Z.	Ballast	.....
Imperial Monarch	25	25	Brit.	Anglo-Can. S. S. Co.	N. Westm'er, B. C.	London, England	(20)	8,600
Rangitara <sup>2</sup>	25	26	Brit.	N. Z. Shipping Co.	Wellington, N. Z.	London, England	Frozen, gen.	6,453
Vega.	24	27	Amer.	U. S. Navy.	Mare Island, Cal.	Norfolk, Va.	Navy stores	9,162
Puerto Rican.	25	26	Amer.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Savannah, Ga.	Nit. of soda	6,724
Taketoyo Maru	25	26	Jap.	Nippon Yusen Kaisha	Manila, P. I.	New Orleans, La.	Sugar, gen.	7,690
Santa Barbara <sup>2</sup>	26	26	Amer.	Grace Line.	San Antonio, Chile	New York, N. Y.	Copper, gen.	3,795
Julia Luckenbach.	25	26	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	6,274
Acajutla.	26	3	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	General...	525
Frank <sup>2</sup>	26	29	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	34
Real <sup>2</sup>	26	27	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	32
Taira <sup>2</sup>	26	27	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	50
Sona <sup>2</sup>	26	27	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	27
Tainui.	26	27	Brit.	Shaw, Savill & Albion	Wellington, N. Z.	London, England	Frozen, gen.	4,923
Pacific President <sup>2</sup>	27	27	Brit.	Furness, Withy & Co.	Vancouver, B. C.	London, England	General...	8,927
Friesland <sup>2</sup>	27	28	Ger.	Hamburg-Amer. Line.	Manila, P. I.	New Orleans, La.	Copra, sugar	8,112
Elisabeth Bakke <sup>2</sup>	27	28	Nor.	Knutsen Line.	Vancouver, B. C.	Belfast, Ireland.	Lumber, gen.	7,702
Sessa.	28	28	Dan.	Wessel, Duval & Co.	Antof gasta, Chile	New York, N. Y.	Ores, nitrate	2,727
Marconi <sup>2</sup>	28	28	Pan.	D. Campodonico.	Panama, R. P.	Covenas, Colom.	Livestock	3
Berganger <sup>2</sup>	28	28	Nor.	Interocean Line.	Vancouver, B. C.	Rotterdam, Neth.	Lumber, gen.	8,391
Istmo.	28	30	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	(21)	666
Ino <sup>2</sup>	28	30	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	420
Marore.	29	29	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,500
Canadian Con-structor.	28	30	Brit.	M. A. N. Z. Line.	Adelaide, Aust.	Montreal, Canada	General...	2,237
Lena Luckenbach	28	29	Amer.	Luckenbach Gulf Co.	Portland, Ore.	Mobile, Ala.	General...	3,322
Pomona.	29	29	Amer.	Weyerhaeuser S. S. Co.	Portland, Ore.	Norfolk, Va.	Lumber, gen.	9,367
Cerigo.	29	2	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	1,162
Nuevo Panama <sup>2</sup>	29	1	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	221
Komaki Maru <sup>2</sup>	29	30	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	Montreal, Canada	(22)	3,744
Europa <sup>2</sup>	30	30	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den.	Lumber, gen.	9,111
Mayan.	29	1	Amer.	Grace Line.	Champ'ico, Guat.	San Juan, P. R.	General...	583
Alabama.	29	30	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General...	5,482
Emma Bakke <sup>2</sup>	30	30	Nor.	Knut Knutsen	Valparaiso, Chile.	Oslo, Norway.	General...	7,507
Nero <sup>2</sup>	30	1	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee, gen.	4,504
African Reefer <sup>2</sup>	30	30	Dan.	J. Lauritzen	Los Angeles, Cal.	Oslo, Norway	Fruit.	1,348
Porto Bello <sup>2</sup>	30	30	Pan.	A. Tagaropoulos.	Darien, R. P.	Colon, R. P.	(18)	17
Azuma Maru <sup>2</sup>	30	1	Jap.	Nippon Yusen Kaisha	Kusiro, Japan.	Hamburg, Ger.	General...	7,925
Marija Raicic.	30	1	Y-slav.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>14</sup>	Nitrate	6,650
Graicia.	1	1	Brit.	Donaldson Bros.	Vancouver, B. C.	Glasgow, Scot.	Grain, gen.	6,137
Arlington Court	1	1	Brit.	Kerr Gifford Co.	Portland, Ore.	Dublin, Ireland.	Wheat	7,367
Millais.	1	1	Brit.	Blue Star Line.	Vancouver, B. C.	Newcastle, Eng.	General...	5,606
Chlore.	2	2	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,000
Embassage.	1	2	Brit.	Anglo-Can. S. S. Co.	Pt. Alberni, B. C.	London, England	Grain, lum.	8,250

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>6</sup> Yacht. <sup>13</sup> Lighthouse tender. <sup>14</sup> For orders. <sup>15</sup> Ore, oil, general. <sup>16</sup> Grain, flour, wool. <sup>17</sup> Coconut oil, general. <sup>18</sup> Plantains, lumber. <sup>19</sup> Sugar, awa root. <sup>20</sup> Lumber, concentrates. <sup>21</sup> Coffee, empty cylinders. <sup>22</sup> Cotton goods, general.

## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
San Anselmo.....	2	3	Amer.	Quaker Line.....	Portland, Ore...	Philadelphia, Pa.	Lumber, gen.	8,735
Santa Rita <sup>2</sup> .....	2	2	Amer.	Grace Line.....	Chanaral, Chile..	New York, N. Y.	General.....	2,968
Jeff Davis <sup>2</sup> .....	2	2	Amer.	Roosevelt Line..	Whyalla, S. A.	Montreal, Canada	Ore, gen.....	6,884
Flomar.....	2	2	Amer.	Calmar S. S. Corp.	Marshfield, Ore.	Baltimore, Md.	Lumber.....	7,500
Montanan.....	2	2	Amer.	Amer.-Hawaiian Line.	Portland, Ore...	Boston, Mass...	General.....	6,008
Georgios G.....	2	2	Greek.	Chile Nit. Sales Corp.	Iquique, Chile..	Azores <sup>14</sup> .....	Nitrate.....	7,204
Trois Ilets.....	2	4	Fr.	French Line.....	B'ventura, Col..	Cristobal, C. Z.	Coffee.....	185
San Antonio.....	3	4	Fr.	French Line.....	Vancouver, B. C.	Rotterdam, Neth.	General.....	7,220
Nurnberg <sup>2</sup> .....	3	4	Ger.	North German Lloyd.	Corral, Chile.....	Hamburg, Ger...	General.....	6,712
Fortuna <sup>2</sup> .....	3	3	Pan.	Elliot Ship & Land Co.	Darien, R. P.....	Colon, R. P.....	Bananas.....	68
Peter Maersk <sup>2</sup> .....	3	4	Dan.	Maersk Line.....	Manila, P. I.....	New York, N. Y.	General.....	6,410
Lobos <sup>2</sup> .....	3	3	Brit.	Pacific Steam Nav. Co.	Talcahuano, Chile	Swansea, Eng...	General.....	8,428
Framlington Court	3	3	Brit.	Seaboard Ship. Co.	N. Westm'r, B.C.	Sharpness, Eng.	Lumber.....	6,550
Bachaquero <sup>1</sup> .....	4	24	Brit.	Standard Oil of N. J.	Balboa, C. Z.....	Aruba, N. W. I.	Ballast.....	.....
Kentuckian.....	3	3	Amer.	Amer.-Hawaiian Line.	Astoria, C. O.....	Baltimore, Md.	General.....	5,048
Frank <sup>2</sup> .....	3	4	Pan.	Elliot Ship & Land Co.	Darien, R. P.....	Cristobal, C. Z.	Bananas.....	36
Sona <sup>2</sup> .....	3	4	Pan.	Elliot Ship & Land Co.	Darien, R. P.....	Cristobal, C. Z.	Bananas.....	30
Delftdijk <sup>2</sup> .....	3	5	Neth.	N. Pac. Coast Line..	Victoria, B. C.....	Rotterdam, Neth.	General.....	7,491
Canada <sup>2</sup> .....	4	4	Swed.	Johnson Line.....	Vancouver, B. C.	Stockholm, Swed.	Wheat, gen.	6,597
Niceto De Lar-rinaga.	4	4	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Montreal, Canada	Lumber, gen.	7,461
Moorby <sup>2</sup> .....	4	4	Brit.	Ropner Ship. Co....	Victoria, B. C.....	Hull, England...	Lum., wbeat.	8,286
Brynje <sup>2</sup> .....	4	4	Nor.	Canadian Transp. Co.	Pt. Alberni, B. C.	W. Hartlep, Eng.	Lumber.....	6,130
Real <sup>2</sup> .....	4	4	Pan.	Elliot Ship & Land Co.	Panama, R. P.....	P. Miguel, C. Z. <sup>15</sup>	Ballast.....	.....
Steele.....	5	5	Amer.	Ore S. S. Corp.....	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore.....	21,800
Pan Aruba <sup>1</sup> .....	4	5	Nor.	Huasteca Pet. Co....	Talara, Peru.....	Aruba, N. W. I.	(16)	14,008
Daylight <sup>1</sup> .....	4	5	Amer.	Shell Oil Co.....	Los Angeles, Cal.	Curacao, N. W. I.	(17)	13,934
Bogota <sup>2</sup> .....	4	7	Ger.	North German Lloyd.	Guayaquil, Ecu..	Cristobal, C. Z.	Coffee, gen.	1,273
Ardangorm.....	5	5	Brit.	Anglo-Can. S. S. Co.	N. Westm'r, B.C.	Antwerp, Belgium	(18)	7,760
Nozima Maru <sup>2</sup> .....	5	5	Jap.	Nippon Yusen Kaisha	Keelung, Japan..	Baltimore, Md.	General.....	5,647
Torvanger.....	5	6	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile..	Azores <sup>14</sup> .....	Nitrate.....	10,160
Leo Dawson.....	5	5	Brit.	Chile Nit. Sales Corp.	Iquique, Chile..	Azores <sup>14</sup> .....	Nitrate.....	6,840
Slemmestad <sup>2</sup> .....	5	5	Nor.	Fern Line.....	Sabang, P. I.....	New York, N. Y.	General.....	7,098
Anhalt.....	5	8	Ger.	North German Lloyd.	Pagoue, N. Caled.	Philadelphia, Pa.	(19)	7,031
Istimo.....	5	7	Pan.	Elliot Ship & Land Co.	B'ventura, Col..	Cristobal, C. Z.	Coffee.....	7,129
Sea Thrush.....	5	5	Amer.	Shepard S. S. Co....	Seattle, Wash...	Boston, Mass...	Lumber, gen.	7,327
Benjamin Frank- lin <sup>2</sup> .....	5	7	Nor.	Fred Olsen & Co....	Vancouver, B. C.	Oslo, Norway...	Wheat, gen.	7,804
Selma City.....	5	6	Amer.	Isthmian S. S. Lines..	Olympia, Wash..	Baltimore, Md.	Gen., lumber	6,578
Clio <sup>2</sup> .....	5	7	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu..	Cristobal, C. Z.	Cacao, gen.	542
Celina.....	5	7	Ital.	Italia Line.....	Vancouver, B. C.	Trieste, Italy.....	General.....	2,286
Birmingham City.	5	6	Amer.	Isthmian S. S. Lines..	Honolulu, T. H.	Baltimore, Md.	Sugar, gen.	7,639
Troubadour.....	5	6	Nor.	Chile Nit. Sales Corp.	Montevideo, Uru.	Charleston, S. C.	Fit. of soda	8,200
Midbexx.....	6	6	Brit.	Federal Steam Nav. Co.	Opua.....	Glasgow, Scot...	Nitrogen, gen.	6,532
Mersington Court	6	6	Brit.	Chile Nit. Sales Corp.	Iquique, Chile..	Gibraltar <sup>14</sup> .....	Fit. of soda	7,550
Lewis Luckenbach	6	6	Amer.	Luckenbach Line....	Seattle, Wash...	New York, N. Y.	General.....	12,650
San Amado <sup>1</sup> .....	6	7	Brit.	Eagle Oil & Ship. Co.	S. Francisco, Cal.	Lizard, England.	Gas., keros'e	10,325
Washington Ex- press <sup>2</sup> .....	6	7	Nor.	Fruit Express Line..	Vancouver, B. C.	London, England	Fresh fruit..	1,500
Steel Mariner.....	7	7	Amer.	Isthmian S. S. Lines..	Kanapali, T. H.	Baltimore, Md.	Sugar, gen.	8,011
Penelope.....	7	7	Greek.	Chile Nit. Sales Corp.	Iquique, Chile..	Alexandria, Egypt	Nitrate.....	9,750
Saarland.....	7	8	Ger.	Hamburg-Amer. Line.	Corral, Chile.....	Hamburg, Ger...	General.....	7,613
Nero <sup>2</sup> .....	6	7	Amer.	Shell Oil Co.....	Los Angeles, Cal.	Houston, Tex...	Gas., keros'e	10,137
Cap Pilar <sup>13</sup> .....	1	1	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom..	Cristobal, C. Z.	Coffee, hides	425
Golden Sun.....	7	7	Amer.	Adrian Seligman	London, England	Kingston, Jam...	Ballast.....	.....
Porto Bello <sup>2</sup> .....	7	7	Pan.	Matson Nav. Co....	Pt. Allen, T. H.	Philadelphia, Pa.	(20)	6,748
Amerikaland.....	8	8	Swed.	A. Tagaropulos.....	Darien, R. P.....	Colon, R. P.....	Lum., plant'n	23
Chaumont <sup>2</sup> .....	6	9	Amer.	Ore S. S. Corp.....	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore.....	22,250
Cerigo.....	2	9	Ger.	U. S. Navy.....	S. Francisco, Cal.	Norfolk, Va.....	General.....	272
Kinai Maru <sup>2</sup> .....	7	8	Jap.	Hamburg-Amer. Line.	Balboa, C. Z.....	Cristobal, C. Z.	Ballast.....	.....
Ferneliff <sup>2</sup> .....	8	8	Nor.	Osaka Shosen Kaisha.	Hilo, P. I.....	Baltimore, Md.	General.....	4,810
Lihue.....	8	8	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile..	Wilmington, N.C.	Nitrate.....	7,772
Vibrant.....	8	8	Amer.	Matson Nav. Co....	Kahului, T. H.	Galveston, Tex.	Sugar.....	8,916
Point Clear.....	8	8	Nor.	Knutsen Line.....	Los Angeles, Cal.	Lands End <sup>14</sup> .....	Fresh fruit..	1,588
Cambridge.....	8	8	Amer.	Swayne & Hoyt.....	Portland, Ore...	Tampa, Fla.....	(21)	5,460
Beldagny.....	8	9	Brit.	Federal Steam Nav. Co.	Pt. Chalmers, N.Z.	London, England	Frozen, gen.	7,275
Hallanger <sup>1</sup> .....	8	9	Nor.	Chile Nit. Sales Corp.	Antof'gasta, Chile	Azores <sup>14</sup> .....	Nitrate.....	6,601
Karnt <sup>2</sup> .....	9	9	Nor.	Anglo-Saxon Pet. Co.	S. Francisco, Cal.	Curacao, N.W. I.	Gasoline.....	12,842
Tairoa.....	9	9	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile..	Pensacola, Fla..	Nitrate.....	8,850
Dalfram.....	9	9	Brit.	Shaw, Savill & Albion	Omaru, N. Z.....	London, England	Frozen, gen.	5,649
Athabascourt <sup>1</sup> .....	9	9	Brit.	Brit. Phosphate Com.	Nauru Island.....	Avonmouth, Eng.	Phosphate...	7,850
Onesabruck <sup>2</sup> .....	9	10	Brit.	United Molasses Co.	Hilo, T. H.....	Hull, England...	Molasses.....	13,428
Appledore.....	9	10	Brit.	North German Lloyd.	Talcahuano, Chile	Bremen, Ger.....	General.....	5,650
Germania <sup>1</sup> .....	9	10	Brit.	Seaboard Ship. Co....	Vancouver, B. C.	London, England	Wheat, lum.	9,465
Rossington Court.	9	10	Brit.	Standard Oil of N. J.	Talara, Peru.....	Rotterdam, Neth.	Gasoline.....	13,024
				Haldin & Philipps...	Pt. Alberni, B. C.	Garston, England	Lum., pulp.	9,065

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Transport. <sup>13</sup> Sailboat. <sup>14</sup> For orders. <sup>15</sup> And return to Panama, R. P.  
<sup>16</sup> Gasoline, petroleum. <sup>17</sup> Gas oil, kerosene distillate. <sup>18</sup> Lumber, zinc concentrates. <sup>19</sup> Chrome ore, general. <sup>20</sup> Raw sugar, canned pineapples. <sup>21</sup> Sugar, lumber, general.



PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Texan	9 10	10	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	6,300
American Robin	9 10	10	Amer.	Amer.-Foreign Corp.	Tacoma, Wash.	New York, N. Y.	Lumber	6,800
Chilean Reefer <sup>2</sup>	9 10	10	Dan.	J. Lauritzen	Valparaiso, Chile.	Hamburg, Ger.	Fresh fruit	1,400
Antiochia	10 11	11	Ger.	Hamburg-Amer. Line.	Punatarenas, C. R.	Hamburg, Ger.	General	3,154
Fortuna <sup>2</sup>	10	11	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	75
St. Mihiel <sup>8</sup>	6 11	11	Amer.	U. S. Army	Balboa, C. Z.	Brooklyn, N. Y.	Army stores	40
Santa Lucia	10 11	11	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	5,779
Corrientes	10 11	11	Brit.	Donaldson Line.	Vancouver, B. C.	Glasgow, Scot.	Fruit, gen.	4,842
Breda	10 11	11	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	8,625
La Union <sup>2</sup>	10 11	11	Pan.	A. A. Valdes	Bayano, R. P.	Cristobal, C. Z.	Bananas	24
Tuira <sup>2</sup>	10 11	11	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	58
Sona <sup>2</sup>	10 11	11	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
Real <sup>2</sup>	10 11	11	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	38
Salvador	10	11	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	Coffee, gen.	936
Hoxbar <sup>1</sup>	10 10	10	Amer.	Cities Service Asphalt	Pt. Petrol, Calif.	Warner, N. J.	Crude oil	9,975
Orazio <sup>2</sup>	10 11	11	Ital.	S. A. N.	Valparaiso, Chile	Genoa, Italy	General	2,768
Southern Cross <sup>6</sup>	10 11	11	Swed.	A. L. Wenner-Gren	Los Angeles, Cal.	Stockholm, Swed.	Ballast	.....

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>6</sup> Yacht. <sup>8</sup> Transport.

**Comparison of Traffic at the Suez and Panama Canals for the First Nine Months of the Fiscal Years 1937 and 1938**

The following is a comparison of traffic at the Suez and Panama Canals for the first nine months of the fiscal years 1937 and 1938:

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1936-37	1937-38	Increase	Decrease	1936-37	1937-38	Increase	Decrease
July	466	551	18. 2	.....	456	457	0. 2	.....
August	471	532	13. 0	.....	473	505	6. 8	.....
September	479	522	9. 0	.....	466	444	.....	4. 7
October	490	557	13. 7	.....	482	461	.....	4. 4
November	511	525	2. 7	.....	368	435	11. 8	.....
December	508	541	6. 5	.....	341	439	28. 7	.....
January	575	544	.....	5. 4	399	444	11. 3	.....
February	524	508	.....	3. 1	377	436	15. 6	.....
March	580	578	.....	0. 4	536	506	.....	5. 6
Total	4, 604	4, 858	5. 52	.....	3, 898	4, 127	5. 87	.....

**Official Publications of Interest to Shipping**

Masters may obtain from the office of the Captain of the Port, at either Cristobal or Balboa, without charge, the "Rules and Regulations Governing Navigation of the Panama Canal and Adjacent Waters," and the current tariff of charges at the Canal for supplies and services.

Requests for Canal publications sent by mail should be addressed to: The Panama Canal, Balboa Heights, C.Z.; or, when more convenient, to The Panama Canal, Washington, D.C.

The Hydrographic Office at Cristobal maintains at all times a complete stock of navigational charts and books, including charts of all parts of the world, sailing directions of the world, nautical tables, light lists, tide tables, nautical almanacs, etc.

At the office of the Port Captain in Balboa, a limited stock of navigational charts, books, etc., is also carried, and this office is in a position to fill practically any order in this connection that a ship might place.

Copies of current issues of Pilot Charts, Notices to Mariners, and Hydrographic Bulletins may be obtained in return for marine information.

Observations of weather, ocean currents, and other marine data collected, and blanks, instructions, barometer comparisons, etc., furnished.

Correct time is maintained and chronometers rated.



### Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices, including the 20 percent surcharge, to individuals and companies, as of May 12, 1938:

Commodities	Unit	Price
Brass, bar, average	Lb.	\$0.23
Brass, sheet, average	Lb.	.34
Bronze, Tobin, average	Lb.	.23
Gasoline, motor grade	Gal.	.105
Metal, yellow	Lb.	.26
Oakum, Navy, spun	Lb.	.18
Oakum, Navy, unspun	Lb.	.18
Oil, gun and ice machine	Gal.	.31
Oil, burning, Colza	Gal.	1.02
Oil, engine, gas, light, in drums, No. 2135	Gal.	.25
Oil, engine, gas, extra heavy, in cases, No. 2250	Gal.	.32
Oil, engine, gas, extra heavy, in drums, No. 2250	Gal.	.28
Oil, kerosene, in drums	Gal.	.10
Oil, marine, engine	Gal.	.38
Paint, lead, white, dry	Lb.	.11
Paint, lead, white, in oil	Lb.	.12
Paint, zinc oxide, dry	Lb.	.08
Paint, zinc oxide, in oil	Lb.	.12
Grease, gear, chain and wire rope, lubricating	Lb.	.05
Grease, yellow, cup, No. 3, medium	Lb.	.06
Grease, yellow, cup, No. 5, hard	Lb.	.07
Soda, ash	Lb.	.03
Waste, cotton, colored	Lb.	.12
Waste, cotton, white	Lb.	.13

### Lubricating Oils

The following is a list of the different kinds of lubricating oil carried in stock at Panama Canal storehouses, and a brief description of each of the oils with a statement of the purpose for which it is generally used.

Requisitions and orders for oils placed with the storekeepers should state the name (including number, if any) of the oil desired exactly as given on the following list:

#### STATEMENT OF STANDARD LUBRICATING OILS AND THEIR USES

##### OILS, FORCE FEED AND MOTOR CYLINDER

*Medium, No. 2135.*—A medium oil for the lubrication of main turbines not driving through reduction gears, dynamos, and small internal combustion engines. Not to be used for steam cylinder lubrication.

*Heavy, No. 2190.*—A heavy oil that will separate quickly from water. For the lubrication of turbines with reduction gears, medium size internal combustion engines, and forced feed on main engines. A heavy bodied oil for use on auxiliary equipment.

*Extra heavy, No. 2250.*—An extra heavy oil for the lubrication of medium size internal combustion engines, power cylinders, air compressors, and bearings of Diesel engines.

*Ultra heavy, No. 2310.*—An ultra heavy oil for the lubrication of power cylinders, air compressors, and bearings of large Diesel engines.

*Tractor, heavy, No. 3100.*—A very heavy body oil for aircraft engines, high speed gasoline engines, motor trucks, motor boats, motor cycles, and Diesel engines S. A. E.-50.

*Diesel engine lubricating.*—For Diesel engines.

##### OILS, MISCELLANEOUS

*Ammonia cylinder (gun and ice machine grade No. 125).*—A refined petroleum oil without the admixture of fatty oils, resins, soap, or other compounds not derived from petroleum. For the lubrication of the cylinders of ice machines, pneumatic tools, and hydraulic systems.

*Car and locomotive.*—A lubricant on journals of all cars, passenger coaches, steam and electric locomotives.

*Castor.*—Grade "A." Used for lubricating purposes of the highest grade.

*Curite, soluble cutting.*—A mixture of soluble alkali soap in mineral and fixed saponifiable oils. For use in turret lathes and bolt machines.

*Fish.*—Used as a rust preventative and for tempering.

*Lard.*—For use on pipe cutting and threading machines.

*Insulating.*—Switch (Electrical Division).

*Insulating.*—Transformer (Electrical Division).

*Lubricant (gear, chain and wire rope).*—For lubrication and protection of chains, wire rope, and gears of cranes, dredges, steamshovels, etc.

*Machine, odorless.*—For use on typewriters.

*Marine engine, No. 4065, compounded.*—A compound of mineral with vegetable oil for the lubrication of reciprocating engines and auxiliaries where oiling is done by hand or through wick feed or drop oilers, also for thrust bearings. Must not be used for circulating of forced feed systems.

*Mineral steam cylinder, No. 5150.*—For use on reciprocating steam engines using dry saturated steam. For noncondensing steam engine cylinder lubrication (valve oil).

*Mineral steam cylinder, superheated.*—For use on reciprocating steam engines using superheated steam.

*Neatsfoot.*—For softening and preserving leather.

*Solvent.*—Rust-preventing lubricant, for general use.

*Sperm.*—Used principally by U. S. Navy.

## Coal

Coal, bunker, U. S. Navy Standard Pool No. 1, run-of-mine, Pocahontas, or New River, is supplied to steamships, including warships of all nations, trimmed in bunkers at the following prices, per ton of 2,240 pounds: Cristobal, first 250 tons, \$7.75 per ton; second 250 tons, \$7 per ton; balance over 500 tons, \$6.50 per ton. Balboa, first 250 tons, \$10.75 per ton; second 250 tons, \$10 per ton; balance over 500 tons, \$9.50 per ton.

Extra charges are made in accordance with a published tariff for special trimming at the request of the officers of the ship, for galley, lump, or run-of-mine coal in sacks, and for delivery, when coal is furnished from lighters or launches away from the coaling piers.

Coal can be bunkered by bunkering machines at any rate up to 1,500 tons per hour, regulated by the amount of necessary trimming.

Coal for cargo is sold under the same conditions and at prices quoted for sale of coal for bunkers.

---

## Current Net Prices on Fuel Oil and Diesel Oil

Bunker fuel oil is delivered to vessels at either Cristobal or Balboa, from tanks of The Panama Canal. Prices will be furnished on application.

Bunker fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Fuel oil, \$1.05 per barrel at Cristobal and Balboa; Diesel oil, \$1.85 per barrel at Cristobal and Balboa.

---

## Provisions Required by Ships

Commissary Division, Panama Railroad Company, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as meats (including native beef), ice, fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes and tobacco, which are for sale to ships at reasonable prices. A modern laundry service is also available.

Orders may be placed in advance by radio for delivery on arrival, or at either terminal for prompt delivery, or for delivery at the other terminal after transit.

---

## Facilities for Shipping

The Panama Canal is equipped with all the facilities for the fueling, supply, and repairs of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from ample stocks at both ends of the Canal. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storerooms carry a wide variety of marine supplies and spare parts. The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as ice, meats (including native beef), fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes and tobacco, which are for sale to ships at reasonable prices. A modern laundry service is also available. Orders may be placed in advance by radio for prompt delivery on arrival at either terminal, or for delivery at the other terminal after transiting the Canal.

A 1,000-foot drydock, a smaller drydock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide means of making practically any kind of marine repairs.

Ample space exists at either terminal of the Canal for the berthing of vessels, as well as large, covered piers for the storage of cargo. These are modern structures: fireproof, rat proof, in splendid condition, well lighted and maintained in a clean and orderly condition.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal during the years of operation

---

## Information from American Consuls

The Consular officers of the United States at seaports all over the world are *ex officio* representatives of The Panama Canal for the purpose of furnishing information to shipping and allied interests as to conditions, charges, etc., at the Panama Canal affecting the operation of ships. The current publications of The Panama Canal of interest to shipping are furnished to the Consular officers and filed for reference.

It is not desired that inquiries of a general nature be addressed to the Consular officers, or that they be burdened with requests which should be made direct to The Panama Canal; but ships' operators who may not be sufficiently advised as to charges, supplies, facilities, etc., at the Canal will often save time by applying to the nearest American Consul.

**Location of Patients and Visiting Hours at Gorgas Hospital**

The following table shows the distribution of patients in the Gorgas Hospital buildings and the visiting hours for the various wards and sections:

Section and Ward	Visiting Hours
Section "A:"	Wards: Tuesdays, Thursdays, and Saturdays, 2:30 to 4:30 p. m.; 6:30 to 7:30 p. m. Sundays and holidays, 9:30 to 11:30 a. m.; 2:00 to 4:00 p. m. Private rooms: Same as Section "B."
Ward 2.....	
Ward 3.....	
Ward 4, Private rooms.....	
Section "B:"	Daily, 9:30 to 11:00 a. m.; 2:00 to 4:30 p. m.; 6:30 to 8:00 p. m. No visitors permitted in nursery.
Ward 5, Male, private rooms, American boys.....	
Ward 6, Foreign, male and female, private rooms, American girls.....	
Ward 7, White female, private rooms.....	
Ward 8, Obstetrical department, white females.....	
Nursery.....	
Section "C:"	Colored wards: Wednesdays, Fridays, Sundays, and holidays, 1:00 to 2:30 p. m. Visitors from Atlantic Side may remain until 3:00 p. m. Tuesdays, Thursdays, Saturdays, 2:30 to 4:30 p. m.; 6:30 to 7:30 p. m. Sundays and holidays, 9:30 to 11:00 a. m.; 2:30 to 4:30 p. m.; 6:30 to 7:30 p. m.
Ward 9, Colored, male.....	
Ward 10, White foreign, male.....	
Ward 11, Colored, male (surgical).....	
Ward 12, Colored, male (medical).....	
Ward 13, Colored, male, G. U.....	
Ward 14, White, male, G. U.....	
Section "D:"	Tuesdays, Thursdays, Saturdays, 2:30 to 4:30 p. m.; 6:30 to 7:30 p. m. Sundays and holidays, 9:30 to 11:00 a. m.; 2:30 to 4:30 p. m.; 6:30 to 7:30 p. m. Wednesdays, Fridays, Sundays, and holidays, 1:30 to 3:00 p. m. Daily, 9:30 to 11:00 a. m.; 2:00 to 4:30 p. m. Wednesdays, Fridays, Sundays and holidays, 1:00 to 2:30 p. m. Visitors from Atlantic Side may remain until 3:00 p. m. No visitors permitted except adults to visit tuberculosis patients, Thursdays, Sundays and holidays, 1:30 to 3:00 p. m.
Ward 15, American, male (surgical).....	
Ward 16, American, male (medical).....	
Ward 17, Colored children.....	
Ward 18, White children.....	
Ward 19, Colored, female (medical).....	
Ward 20, Colored, female, surgical, obstetrical.....	
Isolation section.....	

Permission to visit outside of visiting hours may be granted upon application to the Superintendent's office. Immediate relatives of seriously ill patients will be admitted at any time by and in the discretion of the attending physician, section nurse, and in her absence, the nurse in charge.

**Postal and Telegraphic Address of The Panama Canal**

The postal address is, "The Panama Canal, Balboa Heights, Canal Zone," or "The Panama Canal, Washington, D. C." Mail for ships passing through the Canal or touching at either of the terminal ports should be addressed to "Cristobal, Canal Zone." The cable and radio address of The Panama Canal, on the Isthmus, is "Pan canal, Panama;" in the United States, "Pan canal, Washington."

**Density of Water in Balboa and Cristobal Harbors**

Place.	Weight of sea water in ounces per cubic ft.			Rainy season. Average temperature. Degrees F.
	Average.	Maximum.	Minimum.	
Cristobal (between docks 8 and 9).....	1018	1020	1013	84.0
Balboa (dock 18).....	1011	1021	1005	83.0

(NOTE.—The above is based on two months' observations at Cristobal and Balboa. Average taken at 12-foot depth. Minimum occurred after heavy rain at 3-foot depth at Cristobal and 12-foot depth at Balboa. The weight of a cubic foot of fresh water at 85° F. is 995 ounces.

**Trips Through the Canal**

The following lines operating passenger vessels through the Canal carry local passengers from one terminal to the other: Dollar Line, Grace Line, Hamburg-American Line, Johnson Line, Navigazione Generale Italiana, North German Lloyd, Pacific Steam Navigation Co., Panama Mail Steamship Co. The Panama-Pacific Line carries such passengers from Balboa to Cristobal only. The Hamburg-American Line, North German Lloyd, Panama Mail Line, Dollar Line, Grace Line, and Johnson Line, charge \$6 for the trip, the others \$10 for first-class passage. The Panama-Pacific Line has also a rate of \$6 for

tourist class. The several services together afford about 4 transits of the Canal each way every week.

**Hours of Departure of Passenger Trains**

Following are the hours of departure of the regular passenger trains of the Panama Railroad running between the Atlantic and the Pacific sides: From Colon: Daily, 7:25 a. m.; 11 a. m.; 5 p. m.; 10 p. m. From Panama: Daily, 7:10 a. m.; 1:10 p. m.; 5 p. m.; 7:55 p. m. The time required for passage from one terminal to the other is 1 hour and 25 minutes.

# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL

PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.



*Certificate.*—By direction of the Governor of The Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXI

Balboa Heights, C. Z., June 15, 1938

No. 11

## Traffic Through the Panama Canal in May 1938

The total vessels of all kinds transiting the Panama Canal during the month of May 1938, and for the same month in the two preceding years, are shown in the following tabulation:

	May 1936	May 1937	May 1938		
			Atlantic to Pacific	Pacific to Atlantic	Total
Ocean-going commercial traffic.....	488	544	248	217	465
Small commercial vessels <sup>1</sup> .....	64	70	47	34	81
Noncommercial vessels:					
United States Government.....	81	44	22	20	42
Colombian Government.....		4			4
For repairs.....	4	2	3	4	7
Total.....	637	664	320	275	595

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC<sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the 12 months ended May 31, 1938, as compared with the previous 12 months:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8
June.....	481	472	2,449,127	2,450,018	2,459,752	2,670,466	\$2,073,359.39	\$2,070,337.89
July.....	456	457	2,364,539	2,395,306	2,450,324	2,476,366	1,999,105.18	2,029,642.45
August.....	473	505	2,398,306	2,597,119	2,396,331	2,780,603	2,051,540.28	2,195,308.87
September.....	466	444	2,428,317	2,312,725	2,526,366	2,385,142	2,045,440.82	1,935,673.78
October.....	482	461	2,499,678	2,359,406	2,463,069	2,438,788	2,081,755.23	1,981,087.87
November.....	368	435	1,768,738	2,280,565	1,747,368	2,185,283	1,488,054.25	1,893,462.00
December.....	341	439	1,655,501	2,238,271	1,538,503	2,046,170	1,366,388.58	1,845,048.20
January.....	399	444	1,915,787	2,219,496	1,855,937	2,095,402	1,598,323.51	1,837,894.72
February.....	377	436	1,940,611	2,154,222	1,839,788	1,998,827	1,602,306.30	1,786,611.45
March.....	536	506	2,770,451	2,311,526	3,016,418	2,268,548	2,355,149.04	2,015,585.34
April.....	473	487	2,460,549	2,258,836	2,652,880	2,279,235	2,067,026.68	1,961,456.58
May.....	544	465	2,839,127	2,150,228	2,950,925	2,309,171	2,376,706.36	1,886,825.66
Total..	5,396	5,551	27,490,731	27,727,718	27,897,661	27,934,001	23,105,158.62	23,438,934.81

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 net tons (Panama Canal measurement), which transited the Panama Canal during the month of May 1938. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	47	2,135	\$1,804.14	1,467
Pacific to Atlantic.....	34	1,986	1,718.10	2,051
Total.....	81	4,121	3,522.24	3,518



Traffic by Nationality of Vessels<sup>3</sup> for May 1938

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
British	113	617,814	\$538,675.68	559,880
Chilean	1	5,018	4,516.20	737
Danish	15	61,844	55,659.60	72,670
French	8	33,468	33,835.70	41,238
German	37	146,597	130,439.16	136,172
Greek	12	51,857	46,671.30	93,919
Honduran	2	3,254	2,635.74	844
Italian	4	24,877	22,389.30	7,644
Japanese	20	113,618	100,642.68	118,140
Netherland	22	47,357	42,621.30	40,924
Norwegian	67	306,342	258,898.68	346,331
Panamanian	13	19,877	16,963.20	22,185
Swedish	11	43,990	37,884.96	55,703
United States	138	665,497	587,055.96	797,434
Yugoslav	2	8,818	7,936.20	15,350
Total	465	2,150,228	1,886,825.66	2,309,171

<sup>3</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

## Traffic by Trade Routes for May 1938

The movement of vessels over the various trade routes contributory to the Canal is summarized in the table below. In connection with this table, the traffic passing through the Canal has been segregated according to the primary origin and ultimate destination of the voyage and the cargo listed is the total aboard at the time of transit. As cargo frequently is laden or discharged at ports en route, the cargo tonnage figures shown opposite each trade route do not necessarily show the actual cargo tonnage passing through the Canal between the two terminal areas indicated by the trade route:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	46	223,337	157,734	38	192,852	285,698
East coast United States and:						
Canada	3	13,463	9,743			
Central America	5	12,204		4	9,101	5,842
South America	17	75,289	13,732	22	93,840	229,186
Balboa	1	4,950	6,614			
Hawaiian Islands	3	13,427	12,055	8	38,615	64,071
Australasia	5	32,516	25,676			
Philippine Islands	8	43,731	36,149	18	94,289	126,058
Far East	49	238,217	363,610	2	9,865	9,439
Canadian intercoastal				1	5,402	7,461
East coast Canada and:						
South America				1	6,332	13,100
Australasia	1	5,580	4,972	2	11,175	13,592
Far East	1	6,379	7,032			
South American intercoastal	6	21,518	37,358			
East coast South America and:						
United States	1	5,848				
Canada	2	8,381	8,983			
Far East	1	4,949	3,987			
Cristobal and:						
Central America	4	2,601	2,788	3	1,946	2,352
South America	15	8,752	4,078	15	9,271	11,106
West Indies and:						
United States	1	6,499		4	22,798	46,057
Central America	1	1,519				
South America	2	6,749	3,200	1	6,666	14,008
Balboa	1	5,900	4,229			
Far East	2	6,068	12,154			
Europe and:						
United States	16	74,372	2,384	10	35,897	53,745
Canada	25	134,748	30,218	35	177,419	260,029
Central America	1	2,278	3,232	1	2,982	3,154
South America	22	114,811	40,851	27	139,171	220,409
Hawaiian Islands				1	6,186	13,428
Australasia	8	57,971	32,711	13	94,645	82,915
Far East				1	5,743	7,925
Egypt and South America				1	4,692	9,750
Around the world				4	42,967	6,356
Foreign vessels in ballast (U. S. intercoastal)	1	4,643				
Vessels not engaged in commerce				45	1,784	
Total	248	1,136,520	823,490	217	1,013,708	1,485,681

<sup>4</sup> Three naval vessels, 10,477 displacement tons; two yachts.

### Origin and Destination of Cargo by Major Areas

The following table summarizes the origin of cargo passing through the Canal in May 1938, and its destination by major geographical trade areas:

#### ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States .....	164,575	27,807	397,560	12,758	29,776	632,476
Other North America .....	2,448	7,871	15,272	24,811	4,972	55,374
Europe .....	22,909	11,785	.....	28,797	28,611	92,102
Miscellaneous .....	8,365	334	3,965	30,874	.....	43,538
Total .....	198,297	47,797	416,797	97,240	63,359	823,490

#### PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States .....	282,511	52,252	160,168	2,246	497,177
Canada .....	.....	9,913	145,613	1,018	156,544
Other North America .....	70,542	3,058	19,606	.....	93,206
South America .....	226,439	41,737	219,527	9,856	497,559
Australasia .....	.....	11,728	6,898	77,881	96,507
Asia .....	133,817	2,893	7,495	483	144,688
Total .....	725,037	116,751	630,290	13,603	1,485,681

### Principal Commodities

Commodities in transit through the Canal which aggregated 10,000 or more tons either during May 1938 or May 1937 are listed below:

Commodity	May		Commodity	May	
	1937	1938		1937	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Asphalt and tar .....	11,075	5,516	Canned food products .....	94,428	55,740
Automobiles and parts .....	22,729	17,516	Coffee .....	18,442	17,284
Canned food products .....	11,241	8,337	Cold storage food products <sup>5</sup> .....	23,165	34,734
Cement .....	18,332	9,395	Copra .....	20,786	15,512
Chemicals .....	12,093	10,385	Cotton, raw .....	11,306	6,860
Coal and coke .....	15,382	2,298	Flour .....	38,231	11,975
Cotton, raw .....	12,412	5,448	Fruit, dried .....	15,746	16,569
Iron and steel .....	208,474	131,374	Fruit, fresh <sup>6</sup> .....	9,559	37,914
Machinery .....	14,438	11,516	Lumber .....	288,694	219,831
Metals, various .....	87,565	41,468	Metals, various .....	56,882	49,205
Oils, mineral .....	82,584	71,656	Molasses and syrups .....	1,040	13,840
Paper .....	33,214	24,029	Nitrates .....	122,300	153,183
Phosphates .....	70,699	32,922	Oats .....	12,665	6,855
Scrap metal .....	387,929	236,718	Oils, mineral .....	272,746	237,230
Sulphur .....	52,706	7,588	Oils, vegetable .....	16,031	11,926
Tinplate .....	37,111	20,323	Ores .....	124,369	188,784
Wood pulp .....	8,820	10,674	Paper .....	16,406	5,892
<i>Pacific to Atlantic</i>			Phosphates .....	7,606	15,300
Asphalt and tar .....	10,750	11,209	Skins and hides .....	10,243	3,451
Barley .....	2,369	14,084	Sugar .....	162,069	156,855
Beans, edible, dry .....	14,361	12,243	Wheat .....	79,797	59,795
Borax .....	18,408	6,591	Wood pulp .....	20,198	21,363
			Wool .....	23,468	18,086

<sup>5</sup> Except fresh fruit. <sup>6</sup> Does not include bananas.

### Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of May 1938, as reported in the cargo declarations showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations from which these commodity statistics are compiled, small items are frequently grouped under the designation of "general cargo"; the statistics

are accordingly not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts.....		59	52	196
Agricultural implements.....	525	7	2,654	27
Alfalfa meal.....		547		934
Ammonium compounds.....	261	5	5,494	5
Animal foods ?.....	14	70	14	70
Apparel, wearing (hats, shoes, clothing, etc.).....	23		23	18
Asbestos.....	1,140	25	2,606	25
Asphalt and tar.....	496	10,945	5,516	11,209
Automobiles (and autotrucks).....	1,528		11,308	35
Automobile parts and accessories.....	263	32	6,208	47
Bags and bagging, textile.....	192		277	
Bamboo and products.....				428
Bananas.....				7,251
Barks, miscellaneous.....	30	66	35	418
Barley.....	5		5	14,084
Beans, edible, dry.....	22	2,843	25	12,243
Beer.....	26		129	
Beverages, nonalcoholic.....	39		62	3
Blood and tankage.....			285	81
Bones and bone meal.....			37	203
Books and printed matter.....	94		163	
Borax.....		183		6,591
Bran and pollards.....	20		20	1,275
Bricks and tile.....	41		503	7
Camphor, crude.....				37
Canned and preserved goods:				
Fish.....	204	5,026	416	12,103
Fruit.....	813	13,796	1,097	30,836
Meat.....	46	385	1,469	800
Milk.....		95	737	279
Soup.....	1,864		1,966	16
Vegetables.....	331	4,261	352	4,391
Miscellaneous and unclassified.....	2,064	4,575	2,300	7,315
Carbon black.....	69		670	
Celite.....		549		549
Cement.....	406	93	9,395	93
Chalk.....	135		700	
Charcoal.....	77	30	78	30
Chemicals ?.....	4,868	469	10,385	1,754
Clay, china and fire.....	536	516	538	1,200
Clay, filtering.....	485	84	512	164
Coal.....			505	
Cocoa and cacao beans.....	329		1,170	3,470
Cocoanuts and products ?.....	92	1,145	978	2,038
Coffee.....	287	3	7,110	17,284
Coke.....			1,793	199
Cold storage and refrigerated products:				
Dairy products.....			236	13,179
Eggs.....				607
Fish.....			35	728
Lard.....	550		620	74
Meats.....			185	19,792
Vegetables.....		35	1	254
Other and unclassified.....			22	100
Confectionery.....	381		408	
Copra.....				12,512
Copra meal and cake.....				3,000
Corn.....	112		160	
Cotton, raw.....	67	225	5,448	6,860
Creosote.....	25		61	
Drugs and medicines.....	1,861	50	2,125	54
Earthenware.....	6		6	
Eggs, dried.....	28		28	
Electrical apparatus and appliances.....	1,251	74	2,162	193
Enamelware and metalware.....	14		133	218
Explosives.....	103		713	
Extract, quebracho.....			795	
Fertilizers ?.....	62	491	1,634	665
Fish, salted or dry cured.....				2
Fish meal.....		56		147
Floor coverings.....	1,400	577	1,487	1,132
Flour.....	85	9,010	661	11,975
Fruit, dried.....		5,729	2	16,569
Fruit, fresh ?.....			1	37,914
Furniture and household goods.....	53	183	127	185
Gallnuts.....				35

<sup>7</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
General	17,445	10,994	46,689	17,519
Glass and glassware	2,887	42	4,446	647
Glue	51	18	61	77
Grains <sup>7</sup>				300
Groceries	1,253	665	1,578	1,265
Gums				301
Hair, all kinds	40	53	40	162
Hay		45	20	112
Hemp, unmanufactured	102		149	895
Honey		156		1,243
Hops			80	
Horns and hoofs				36
Infusorial earth		786		1,146
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	60,556	296	131,374	660
Ivory nuts			443	1,564
Jute, unmanufactured			63	
Lard substitute	577		577	13
Lime			54	
Liquors	3,475	307	4,614	315
Lumber (including manufactured mill products)	2,120	92,621	3,001	219,831
Machinery	1,823	110	11,516	335
Malt			207	
Manufactured goods <sup>7</sup>	4,722	200	8,825	876
Marble and granite			350	
Matches	138	199	235	199
Metals:				
Antimony			89	
Copper	156	4,030	3,415	30,039
Gold and silver				169
Iron	940		34,764	
Lead	18	786	1,172	14,956
Tin	172	139	406	366
Zinc	36		1,037	3,561
Other and unclassified	412		585	84
Milk, powdered		333	25	524
Molasses and syrups	175		220	13,840
Nitrates	608		2,858	153,183
Nuts, edible (including meats)		254	150	326
Oats	54	178	72	6,855
Oils, mineral:				
Crude		9,975	1,703	77,768
Gas and fuel			38,968	13,878
Gasoline, benzine, and naphtha	62	44,590	9,741	104,596
Kerosene		9,235	1,156	40,015
Lubricating and greases	8,053	645	20,088	973
Oils, vegetable:				
Coconut		450	18	7,035
Cottonseed			470	
Linseed	43		119	
Olive	67		591	
Peanut				79
Rapeseed			26	
Teaseed			45	285
Wood	84		90	2,601
Other and unclassified	613	750	809	1,926
Oil, fish	51		114	537
Oil, whale	801		801	
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)			676	220
Oilseed cake and meal	1,228		1,231	1,475
Ores:				
Antimony			27	191
Chrome				13,000
Copper				5,539
Gold and silver				4,576
Iron			7,400	149,800
Lead				3,086
Magnesite		161	35	161
Manganese		244		1,186
Tin	54		54	5,036
Zinc	40		41	4,364
Other and unclassified		12	568	1,845
Paints and varnishes	1,124	99	2,995	157
Paper and paper products	11,672	5,049	24,029	5,892
Peanuts	980	36	996	171
Peas, dry				1,269
Peatmoss			952	
Phosphates	398		32,922	15,300
Plaster			89	
Porcelainware	255	54	966	1,536
Potash	33	735	33	735
Rags and waste	30	14	96	147

<sup>7</sup> Except as otherwise classified.



Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Railroad material	20		1,296	9
Rice	1,598	68	2,452	832
Rope and twine	397	31	470	45
Rosin	1,178		2,787	
Rubber:				
Manufactured	514	302	809	399
Raw			45	6,111
Scrap			123	8
Salt	285	177	2,095	2,933
Sand	1,016		2,516	25
Scrap metal	587	168	236,718	1,441
Seeds (except oilseeds)		180	236	790
Sewer pipe (concrete and terra cotta)			48	
Shells, oyster	990		1,145	127
Silk, raw		1		1,194
Skins and hides	4	1,510	803	3,451
Slag			2,000	
Slate	1,579		1,579	
Soaps and products	1,433		1,548	73
Soda and sodium compounds:				
Soda ash	219		419	
Soda, caustic	495		1,216	
Miscellaneous and unclassified	388		94	58
Soy beans	25		25	
Sugar	172	9,973	8,670	156,855
Sulphur	108		7,588	50
Talc	59	61	65	242
Tallow		211		3,014
Tea	467	15	626	417
Textiles <sup>8</sup>	2,053		5,401	2,035
Tinplate	3,559		20,323	
Tobacco and manufactures	382	58	5,617	1,124
Toilet preparations	48	8	100	8
Turpentine	192		409	
Vegetables, dry <sup>7</sup>			21	332
Wallboard	99		224	2,041
Wax, paraffin	352	500	1,842	568
Wheat		185	36	59,795
Wines	44	514	226	1,544
Wood pulp	136	16,981	10,674	21,363
Wool	5	5,068	823	18,066
Total, May 1938	164,575	282,511	823,490	1,485,681
Total, May 1937	307,813	452,292	1,325,674	1,625,251
Total, May 1936	254,554	432,914	716,525	1,703,127

<sup>7</sup> Except as otherwise classified.<sup>8</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows, according to trade route, the tanker traffic through the Canal during the month of May 1938:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	Panama Canal net tonnage	Tons of cargo	No. of ships	Panama Canal net tonnage	Tons of cargo
United States intercoastal	5	28,245		8	45,332	<sup>9</sup> 75,692
East coast United States and:						
South America	1	7,595				
Balboa	1	4,950	6,614			
South American intercoastal	4	19,551	36,170			
East coast South America and United States	1	5,848				
West Indies and:						
United States	1	6,499		4	22,798	46,057
South America	1	5,136		1	6,666	14,008
Balboa	1	5,900	4,229			
East coast Canada and South America				1	6,332	13,100
Europe and:						
United States	7	42,110		3	16,160	30,677
South America	3	21,695		5	35,016	67,717
Hawaiian Islands and Europe				1	6,186	<sup>10</sup> 13,428
Total	25	147,529	47,013	23	138,490	260,679

<sup>9</sup> Includes 10,925 tons petrolastic asphalt.<sup>10</sup> Molasses.

### Comparison of Canal Traffic in May 1938, with May Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of May			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1915.....	11 137	(000 omitted) 475	(000 omitted) 584	1915.....	12 100	(000 omitted) 361	(000 omitted) 466
1916.....	123	385	480	1916.....	60	199	258
1917.....	140	468	596	1917.....	145	483	588
1918.....	193	658	758	1918.....	165	547	627
1919.....	166	566	642	1919.....	162	510	576
1920.....	219	852	975	1920.....	199	712	781
1921.....	206	864	793	1921.....	232	950	966
1922.....	236	1,032	1,158	1922.....	222	951	907
1923.....	415	2,128	2,265	1923.....	325	1,550	1,631
1924.....	410	2,085	2,354	1924.....	429	2,179	2,249
1925.....	366	1,847	1,823	1925.....	382	1,904	1,996
1926.....	456	2,242	2,416	1926.....	424	2,064	2,169
1927.....	447	2,247	2,378	1927.....	441	2,184	2,311
1928.....	498	2,273	2,496	1928.....	521	2,453	2,468
1929.....	515	2,496	2,536	1929.....	524	2,485	2,554
1930.....	470	2,418	2,261	1930.....	502	2,497	2,502
1931.....	411	2,183	1,924	1931.....	447	2,314	2,089
1932.....	345	1,956	1,676	1932.....	364	1,968	1,650
1933.....	342	1,882	1,628	1933.....	347	1,900	1,513
1934.....	459	2,566	2,302	1934.....	436	2,379	2,059
1935.....	424	2,366	2,292	1935.....	432	2,317	2,109
1936.....	488	2,504	2,420	1936.....	449	2,335	2,209
1937.....	544	2,839	2,951	1937.....	467	2,404	2,507
1938.....	465	2,150	2,309	(1 <sup>2</sup> ).....	462	2,298	2,297

<sup>11</sup> Canal opened August 15, 1914. <sup>12</sup> Average for 10½ months. <sup>13</sup> Average for 11 months of fiscal year 1938.

### Terminal Activities

Ships which completed repairs during the month of May 1938 numbered 65. Vessels released from drydock numbered 13. Fuel and Diesel oil amounting to 204,763 barrels was delivered as bunkers to 121 commercial ships. Bunker coal amounting to 9,499 tons was delivered to 29 commercial ships. Sales of commissary supplies to ships aggregated \$42,793.

### Cargo Handled at Terminal Ports, May 1938

	Cristobal	Balboa	Total
Local cargo arriving..... tons	17,005	6,434	23,439
Local cargo shipped..... tons	3,367	931	4,298
Cargo received for transshipment..... tons	48,429	489	48,918
Cargo transhipped..... tons	48,624	451	49,075
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	5	4	9
Number of releases issued.....	67	12	79
Tons received.....	4	16	20
Tons withdrawn.....	84	13	97

### All Vessels Entering and Clearing Port, May 1938

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal.....	541	3,231,451	1,931,967	510	2,927,749	1,765,466
Vessels entering port but not transiting Canal.....	57	345,583	191,839	7	22,324	15,036
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	141	840,905	500,289	106	698,433	416,285
<i>Ships clearing</i>						
All vessels, including those transiting Canal.....	547	3,227,738	1,925,552	507	2,903,603	1,748,657
Vessels clearing port but not transiting Canal.....	59	379,851	210,208	7	22,284	14,996
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	142	820,045	486,513	104	680,009	405,535

**Cargo Discharged and Laden at Terminal Ports**

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight May 10, 1938, to midnight June 10, 1938. Figures after names of vessels show, respectively, tons discharged and tons laden:

**CRISTOBAL**

San Angelo, 8, 0	Pasajero, 0, 7	Steelore, 8,743, 0	Simon Bolivar, 11,	Trois Ilets, 348, 0
Orbita, 11, 909	Salvador, 0, 416	Alaska, 73, 369	1,119	Veragua, 318, 181
Vermont, 2,24, 24	Real, 0, 23	Boskoop, 0, 159	Helder, 90, 794	Elbe, 115, 376
Ancon, 2,418, 973	Contessa, 289, 1,007	Sambu, 51, 0	Pasajero, 53, 12	Ville d'Amiens, 1, 92
Trois Ilets, 295, 38	Istmo, 1,165, 55	El Oso, 11,970, 0	Cordillera, 204, 44	Nuevo Panama, 253,
Santa Barbara, 240,	Port Antonio, 1, 286	Caymanian, 63, 0	Canada, 0, 43	53
201	Munsterland, 111, 0	Annetta I, 0, 42	Margaret Lykes, 686,	Santa Elena, 179, 14
Deroche, 1,308, 0	Loreto, 2, 211	Suecia, 7, 314	172	Cordillera, 10, 1,016
Norden, 306, 0	Kiyokawa Maru, 0, 35	Nuevo Panama, 0, 100	Senator, 220, 85	Pasajero, 53, 10
Manizales, 1,183, 561	Portland, 29, 733	Cefalu, 315, 990	De La Salle, 147, 812	Este, 77, 2,088
Ino, 469, 199	Bogota, 8, 251	Acajutla, 427, 594	San Diego, 203, 86	Santa Barbara, 153, 3
Mantilla, 3,936, 0	Guayaquil, 2,016, 680	Duesseldorf, 55, 330	Vinni, 601, 130	San Clemente, 9, 0
Cuba, 60, 1	Fella, 56, 0	Mantilla, 6,296, 0	Santa Paula, 104, 1	Salvador, 955, 626
Jamaica, 172, 746	Reina del Pacifico, 93,	Pereira, 1,217, 665	Keiyo Maru, 510, 0	Alkmaar, 0, 88
Sixaola, 590, 69	10	Cristobal, 2,198, 946	Santa Clara, 264, 21	Gansfjord, 0, 688
Misoa, 6,047, 0	Veragua, 60, 1,125	Alabama, 1, 12	Amerika, 9, 90	Crynssen, 75, 4
Davision, 151, 0	Durazzo, 1,315, 0	Santa Lucia, 320, 100	City of Delhi, 289, 260	Cefalu, 207, 865
Weser, 463, 484	Ulua, 1,272, 469	Axel Johnson, 64, 197	Orduña, 36, 1,111	Leipzig, 49, 737
Chiriqui, 333, 188	Santa Rita, 390, 313	Ino, 374, 137	Contessa, 396, 755	Friesland, 7, 128
San Gil, 560, 0	Quirigua, 142, 93	R. L. Hustler, 13, 0	Lagarto, 175, 0	West Cactus, 63, 46
Talamanca, 191, 58	Troja, 26, 291	Cerigo, 1,436, 1,024	Gansfjord, 0, 524	Wyoming, 598, 339
San Rafael, 556, 0	Clio, 617, 577	Durazzo, 1,290, 0	Santa Maria, 270, 170	Lochmonar, 460, 335
Costa Rica, 34, 1,212	Yamazato Maru, 313, 0	Chiriqui, 108, 2,040	Grete Maersk, 510, 0	Bethore, 9,783, 0
Bodegraven, 90, 1,674	Wiconsin, 519, 0	Santa Marta, 1,332,	Hermonthis, 63, 294	Oklahoman, 64, 0
Nero, 430, 67	Virgilio, 91, 6	130	Nero, 605, 21	Bogota, 1,376, 258
Maniticoek, 10,456, 0	Trois Ilets, 31, 61	Metapan, 469, 0	Laurits Swenson, 23,	Dessau, 2,022, 0
San Jose, 331, 218	Zacapa, 525, 0	Sesostris, 58, 1,381	50	Ancon, 3,685, 1,119
Cuba, 0, 176	Knute Nelson, 264, 406	Oakland, 344, 295	Buenaventura, 1,837,	Santa Inez, 290, 56
John Worthington,	Geisha, 341, 24	Nero, 298, 47	410	Quirigua, 63, 1,755
1,493, 0	Buenos Aires, 50, 210	Dinteldijk, 765, 138	Manizales, 1,187, 389	Kano Maru, 242, 0
Chester Valley, 1,171,	Illinois, 1,290, 0	Fernglen, 3, 0	Smaragd, 546, 550	Ino, 388, 38
529	Gertrude Maersk, 221,	Tai Yin, 504, 0	Talamanca, 135, 1,028	Bennekom, 346, 614
Santa Elena, 36, 43	0	Istmo, 501, 169	Tolca, 1,020, 576	Tropic Sea, 3, 0
Roda, 70, 85	Ammon, 27, 385	Jamaica, 275, 63	Darien, 485, 0	Saxela, 1,053, 353
Goslar, 0, 3	Simon Bolivar, 67, 80	City of Dalhart, 166, 0	Istmo, 799, 296	Damsterdijk, 212, 51
Palatia, 0, 591	San Marcos, 332, 37	Lochgoil, 288, 232	City, 575, 347	Istmo, 788, 173
Hindenburg, 0, 902	San Inez, 65, 39	Vancouver, 338, 511	Nankai Maru, 458, 143	Nero, 450, 180
Kansai Maru, 282, 63	Santa Rosa, 98, 55		San Lucas, 688, 0	Abangere, 470, 0

**BALBOA**

Mcton, 4,633, 0	Gertrude Maersk, 157,	Acajutla, 2, 0	Chateau Thierry, 93, 48	West Nilus, 1,259, 0
Santa Barbara, 147, 28	0	Dresden, 157, 0	Santa Clara, 6, 0	West Cape, 1,687, 59
John Worthington,	Brazos, 7,852, 0	Tai Yen, 95, 0	Grete Maersk, 171, 0	Sirius, 30, 0
3,665, 0	Santa Rita, 161, 0	Santa Lucia, 81, 0	Vega, 183, 33	Snaragd, 0, 4
Bodegraven, 84, 0	Geisha, 1,739, 0	City of Dalhart, 94, 0	Santa Maria, 143, 0	Santa Barbara, 16, 0
Chiriqui, 331, 0	Zacapa, 0, 1	Nitro, 4, 0	St. Mihiel, 124, 3	Salvador, 2, 0
Portland, 257, 0	Republic, 845, 348	Rangitane, 16, 0	Takaka Maru, 27, 0	Vinland, 60, 0
	Pereira, 0, 8	Helder, 209, 0	Laurits Swensen, 0, 65	Santa Inez, 140, 0

NOTE.—Figures shown represent short tons of 2,000 pounds.

**Passengers**

Ocean-ship passengers disembarking at Canal ports during May 1938 numbered 2,454 at Cristobal and 687 at Balboa; embarking, 2,534 at Cristobal and 767 at Balboa. Passengers passing through the Canal numbered 1,914 from the Atlantic to the Pacific, and 6,487 from the Pacific to the Atlantic. Aircraft numbering 55 entered Cristobal and 227 disembarked; clearances were 51, with 190 embarking. At Balboa, entries of aircraft numbered 54, with 136 disembarking; clearances were 54, with 91 embarking.

**Comparison of Traffic at the Suez and Panama Canals for the First Ten Months of the Fiscal Years 1937 and 1938**

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1936-37	1937-38	Increase	Decrease	1936-37	1937-38	Increase	Decrease
July	466	551	18.2	.....	456	457	0.2	.....
August	471	532	13.0	.....	473	505	6.8	.....
September	479	522	9.0	.....	466	444	.....	4.7
October	490	557	13.7	.....	482	461	.....	4.4
November	511	525	2.7	.....	368	435	11.8	.....
December	508	541	6.5	.....	341	439	28.7	.....
January	575	544	.....	5.4	399	444	11.3	.....
February	524	508	.....	3.1	377	436	15.6	.....
March	580	578	.....	0.4	536	506	.....	5.6
April	621	516	.....	16.9	487	473	3.0	.....
Total	5,225	5,374	2.9	.....	4,371	4,614	5.6	.....

## Movements of Ocean Vessels Through the Panama Canal

### From midnight May 10, 1933, to midnight June 10, 1933

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Munchen <sup>2</sup>	10	11	Ger	North German Lloyd	Hamburg, Ger.	Corral, Chile	General	2,699
Meton <sup>1</sup>	10	12	Amer.	Shell-East. Pet. Co.	Houston, Tex.	Balboa, C. Z.	Diesel oil	6,614
Point Estero	11	11	Amer.	Swayne & Hoyt	Mobile, Ala.	Seattle, Wash.	General	4,424
Iowan	11	11	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,627
Tasmania <sup>2</sup>	11	11	Dan.	Kawasaki K. Kaisha	New Orleans, La.	Kobe, Japan	(14)	5,853
Minerva <sup>2</sup>	11	11	Nor.	Chile Nit. Sales Corp.	Newp't News, Va.	Tocopilla, Chile	Ballast	
Honolulu	11	11	Amer.	Amer.-Hawaiian Line	Jacksonville, Fla.	S. Francisco, Cal.	General	2,084
Taira <sup>2</sup>	10		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
La Union <sup>2</sup>	10		Pan.	A. A. Valdes	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Dolores <sup>2</sup>	10		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Sona <sup>2</sup>	10		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	10	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Aguadulce, R. P.	General	23
Pirate <sup>2</sup>	6		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		25
Sambu <sup>2</sup>	10		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		20
Nathan <sup>2</sup>	10		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		20
Orbita	11	12	Brit.	Electric Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile	General	1,803
Dr. Brinkley <sup>6</sup>	11	14	Amer.	Dr. J. R. Brinkley	Galveston, Tex.	Galapagos Is.	Ballast	
Lahaina	12	12	Amer.	Matson Nav. Co.	Galveston, Tex.	S. Francisco, Cal.	Ballast	
Santa Barbara <sup>2</sup>	12	13	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,774
Arimasan Maru <sup>2</sup>	12	13	Jap.	Mitsui Line	Philadelphia, Pa.	Moji, Japan	General	4,604
Tokai Maru <sup>2</sup>	13	13	Jap.	Osaka Shosen Kaisha	Boston, Mass.	Kobe, Japan	General	5,443
Paul Luckenbach	13	13	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	3,800
Steel Seafarer	13	13	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Batavia, Java	General	8,068
Helga	13	13	Dan.	J. Lauritzen	New York N. Y.	Valparaiso, Chile	General	1,289
Daylight <sup>1</sup>	12	13	Amer.	Socony-Vac. Oil Co.	Curacao, N.W.I.	Los Angeles, Cal.	Ballast	
Thorsbov <sup>1</sup>	13	13	Nor.	Union S.S. Co. of N.Z.	Liverpool, Eng.	Los Angeles, Cal.	Ballast	
Point Ancha	13	13	Amer.	Swayne & Hoyt	Mobile, Ala.	Seattle, Wash.	General	5,542
Langletarrn	13	13	Brit.	W. Rountree, Inc.	Philadelphia, Pa.	Dairen, China	(15)	8,147
Mount Taurus	13	14	Greek	Hasegawa Co.	New York, N. Y.	Kaimashi, Japan	Scrap iron	8,500
Bradford City <sup>2</sup>	14	14	Brit.	Mitsubishi Line	Tampa, Fla.	Yokohama, Japan	Phosphate	9,024
Vermont	11	14	Amer.	Calif. & Eastern Line	New York, N. Y.	Tacoma, Wash.	General	3,577
Heffron	14	14	Amer.	Pac. Coast Dir. Line	New York, N. Y.	Seattle, Wash.	(16)	4,934
Dionysios Stathatos	14	14	Greek	D. Stathatos & Co.	Baltimore, Md.	Osaka, Japan	Scrap iron	7,522
Foylebark <sup>2</sup>	14	14	Brit.	Bank Line, Ltd.	Boston, Mass.	Shanghai, China	General	2,750
Ino <sup>2</sup>	12	14	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	
Misca <sup>1</sup>	13		Brit.	West India Oil Co.	Aruba, N. W. I.	Balboa, C. Z.	Drydocking	
Atenas	14	15	Amer.	United Fruit Co.	Chester, Pa.	Pto. Arm'les, R. P.	Ballast	
Mostun <sup>2</sup>	14	14	Nor.	Neptune Shipping Co.	Goth'burg, Swed.	Los Angeles, Cal.	Ballast	510
Manizales	12	14	Ger.	North German Lloyd	Cristobal, C. Z.	Talara, Peru	General	3,993
Chiriqui <sup>2</sup>	13	14	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	350
Pennsylvania	14	15	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	3,902
Bernhard <sup>2</sup>	14	15	Nor.	A. Garson & Co.	Habana, Cuba	Yokohama, Japan	Scrap iron	5,690
Sambu <sup>2</sup>	13		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>12</sup>		25
San Gil	13	15	Pan.	United Fruit Co.	Boston, Mass.	Pto. Arm'les, R. P.	Ballast	
Steel Exporter	14	15	Amer.	Isthmian S. S. Lines	Portland, Me.	Tacoma, Wash.	Steel, gen.	3,393
Remuera	15	16	Brit.	N. Z. Shipping Co.	London, England	Pt. Ch'mers, N.Z.	General	4,483
Queen City	15	15	Brit.	Reardon-Smith Line	Pt. Arthur, Tex.	Yawata, Japan	Scrap iron	7,824
San Rafael	14	15	Amer.	Quaker Line	Albany, N. Y.	Seattle, Wash.	General	3,779
Nero <sup>2</sup>	14		Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Balboa, C. Z.	Drydocking	
Liberty Glo	15	15	Amer.	McCormick S. S. Co.	Philadelphia, Pa.	James Is., B. C.	General	4,289
Dalhanna	15	15	Brit.	Seaboard Shipping Co.	Barry, England	N. Pac. Coast	Ballast	
Grogalia	15	15	Brit.	Donaldson Line	Glasgow, Scotland	Vancouver, B. C.	General	880
Trojan Star	16	16	Brit.	Blue Star Line	London, England	Auckland, N. Z.	General	5,508
Heranger <sup>2</sup>	16	16	Nor.	Interocean Line	Rotterdam, Neth.	Portland, Oreg.	Ballast	
Svealand <sup>2</sup>	16	16	Swed.	Ore S. S. Corp.	Goth'burg, Swed.	Cruz Gr'de, Chile	Ballast	
Edw. R. Brown <sup>1</sup>	15	16	Brit.	Stand.-Vac. Oil Co.	Rotterdam, Neth.	S. Francisco, Cal.	Ballast	
San Jose	15	16	Fr.	French Line	Havre, France	Vancouver, B. C.	General	4,202
Trois Ilets	11	16	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	38
Marore	16	16	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Thrush <sup>10</sup>	16	16	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Salvador	10	17	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'co, Guat.	General	416
John Worthington <sup>1</sup>	15	18	Amer.	Standard Oil of N. J.	Baton Rouge, La.	Talara, Peru	Refined oil	(17)
Edgar F. Luckenbach	16	17	Amer.	Luckenbach Line	Houston, Tex.	Tacoma, Wash.	General	5,616
Goslar	16	17	Ger.	North German Lloyd	New Orleans, La.	Brisbane, Aust'lia	(18)	7,424
Bodegraven	14	18	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Valparaiso, Chile	General	2,356
Daldorch	17	17	Brit.	Anglo-Can. S. S. Co.	London, England	Vancouver, B. C.	General	1,600
Chastine Maersk <sup>2</sup>	17	17	Dan.	States Marine Corp.	Texas City, Tex.	Yokohama, Japan	Cotton, phos.	7,361
Porto Bello <sup>3</sup>	17	17	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Hindenburg	16	18	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Hongkong, China	Cotton, oil	9,893
Heleni <sup>1</sup>	17	18	Greek	Hyman Nichels Co.	Pensacola, Fla.	Yawata, Japan	Scrap iron	7,036
Mauna Kea	15	18	Amer.	Matson Nav. Co.	Baltimore, Md.	Honolulu, T. H.	General	2,172
Janeta	15	18	Brit.	Anglo-Can. S. S. Co.	Barry, England	Vancouver, B. C.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Launch. <sup>5</sup> Yacht. <sup>10</sup> Mine sweeper. <sup>13</sup> For bananas and return to Cristobal. <sup>14</sup> Steel, cotton, etc. <sup>15</sup> Steel plates, nitrate. <sup>16</sup> Oil, steel, general. <sup>17</sup> 28,254 barrels of oil to be discharged at Balboa, C. Z. <sup>18</sup> General, fuel oil, etc.



## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Marina <sup>1 2</sup>	18	18	Nor.	Standard Oil of N. J.	New York, N. Y.	Talara, Peru	Ballast	
Real <sup>2</sup>	17	18	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Agua dulce, R. P.	General	50
Tuira <sup>2</sup>	17	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Frank <sup>2</sup>	17	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona <sup>2</sup>	17	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Pirre <sup>2</sup>	17	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu <sup>2</sup>	17	17	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		25
J-52 <sup>5</sup>	17	17	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Isthmian	19	19	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	3,046
Fernbank <sup>2</sup>	19	19	Nor.	Fern Line	Mobile, Ala.	Nagoya, Japan	Fig iron	7,200
Loreto <sup>2</sup>	19	19	Brit	Pacific Steam Nav. Co	Hull, England	Valparaiso, Chile	General	3,176
Gryfevale	19	19	Brit	Chile Nit. Sales Corp.	Tyne, England	Tocopilla, Chile	Ballast	
Chilore	19	20	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Pirate <sup>3</sup>	19	20	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.		20
Lt. Col. H. C. Schumm <sup>4</sup>	19	20	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z. <sup>13</sup>	Tow barge	
Kiyokawa Maru <sup>3</sup>	19	20	Jap.	Kawasaki K. Kaisha.	Philadelphia, Pa.	Kobe, Japan	Cotton, iron	3,857
Harpagon	20	20	Brit.	States Marine Corp.	Baltimore, Md.	Yokohama, Japan	Scrap iron	8,253
Portland <sup>2</sup>	19	21	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B. C.	General	3,862
Athelechief <sup>1 2</sup>	20	21	Brit.	Brit.BitumenRef.,Ltd	Liverpool, Eng.	Richmond, Calif.	Ballast	
Fella <sup>2</sup>	20	20	Ital.	Italian Line	Trieste, Italy	Vancouver, B. C.	General	1,859
Harry Luckenbach	20	20	Amer.	Luckenbach Line	Boston, Mass.	Portland, Oreg.	General	3,566
Jutland	20	20	Brit	Seaboard Ship. Co.	Hull, England	Vancouver, B. C.	Ballast	
Flo <sup>3</sup>	20	20	Pan.	W. L. Stilson	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
British Columbia Express <sup>2</sup>	20	21	Nor.	Fruit Express Line	London, England	Los Angeles, Cal.	Ballast	
Nero <sup>2</sup>	20	21	Neth	Royal Neth. S. S. Co.	Cristobal, C. Z.	Tumaco, Colom.	General	61
Loch Lomond	20	21	Brit.	Maclay & McIntyre.	Barry, England.	Vancouver, B. C.	Ballast	
Anglo Peruvian.	21	21	Brit.	J. J. Moore	Tyne, England	Puget S'd, Wash.	Ballast	
Columbian	20	21	Amer.	Amer.-Hawaiian Line.	Savannah, Ga.	Seattle, Wash.	General	2,670
Niel Maersk <sup>2</sup>	21	21	Dan.	A. P. Moller	Boston, Mass.	Cebu, P. I.	General	5,840
Troja	21	21	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	La Union, Sal'dor	General	3,232
Durazzo	20	21	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	B'ventura, Col.	Ballast	
Bogota <sup>2</sup>	19	21	Ger.	North German Lloyd.	Manaure, Colom.	Guayaquil, Ecu.	Gen., salt	
Kozu Maru <sup>2</sup>	21	21	Jap.	United Ocean Transp.	Pt. Tampa, Fla.	Osaka, Japan	Phos. rock	7,062
Istmo	17	21	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	180
Virgilio <sup>2</sup>	22	22	Ital.	Societa Italia.	Genoa, Italy	Valparaiso, Chile.	General	731
Astra	21	22	Nor.	N. Atl. Gulf S. S. Co.	New Orleans, La.	Guayaquil, Ecu.	Sugar	3,200
Yomachichi <sup>2</sup>	21	22	Amer.	Roosevelt S. S. Co.	Philadelphia, Pa.	Adelaide, Aust'lia	General	4,888
Jane Christensen.	21	22	Amer.	Arrow Line	Baltimore, Md.	Seattle, Wash.	General	3,550
Mexican.	22	22	Amer.	Amer.-Hawaiian Line.	New York, N. Y.	Los Angeles, Cal.	General	3,000
Karnt <sup>2</sup>	22	22	Nor.	Chile Nit. Sales Corp.	Pensacola, Fla.	Chile	Ballast	
Knoxville City	22	22	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Seattle, Wash.	General	1,836
Kirishima <sup>2</sup>	22	22	Jap.	Kokusai Line.	Philadelphia, Pa.	Kobe, Japan	General	7,677
Santa Rita <sup>2</sup>	20	22	Amer.	Grace Line	New York, N. Y.	Antof'gasta, Chile	( <sup>14</sup> )	1,523
Clio <sup>2</sup>	21	23	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	525
Zacapa	22	23	Amer.	United Fruit Co.	New York, N. Y.	Pto. Arm'les, R.P.	Ballast	
Port Hardy	22	23	Brit.	Pacific Steam Nav. Co	Glasgow-Eng.	Timaru, N. Z.	Gen., steel	6,650
E. W. Niles <sup>11</sup>	23	26	Amer.	U. S. Army	Pensacola, Fla.	S. Francisco, Cal.	Mineanchors	
Calmar	22	23	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	General	7,718
Buenos Aires <sup>2</sup>	22	23	Swed.	Johnson Line	Goth'burg, Swed.	Vancouver, B. C.	General	3,123
Goisha <sup>2</sup>	22	24	Nor.	Knut Knutsen O.A.S.	Goth'burg, Swed.	Valparaiso, Chile.	General	2,845
Malayan Prince <sup>3</sup>	23	23	Brit.	Prince Line, Ltd.	New York, N. Y.	Osaka, Japan	General	6,039
Pacific Ranger <sup>2</sup>	23	23	Brit.	Furness, Withy & Co.	Glasgow-Eng.	Vancouver, B. C.	General	778
Kinka Maru <sup>2</sup>	23	23	Jap.	Kokusai K. Kaisha.	New York, N. Y.	Kobe, Japan	Scrap metal	7,032
Nordbo <sup>2</sup>	18	23	Dan.	Hasegawa & Co.	New York, N. Y.	Yawata, Japan	Scrap iron	7,645
Rio Novo	23	23	Nor.	ChiavoneBonomoCor.	Portsmouth, N.H.	Osaka, Japan	Scrap steel	4,226
San Marcos	22	23	Amer.	Quaker Line	Albany, N. Y.	Seattle, Wash.	General	3,155
Ammon	22	23	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General	4,711
Col. Riche <sup>5</sup>	23	24	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow barge	
Alaska	23	24	Fr.	French Line	Havre, France	Talcahuano, Chile	Iron, gen.	1,551
Socony Vacuum <sup>1</sup>	23	24	Amer.	Socony Vac. Oil Co.	Albany, N. Y.	Los Angeles, Cal.	Ballast	
Temple Yard	23	24	Brit.	Seaboard Ship. Co.	Hull, England	Vancouver, B. C.	Ballast	
Perera	20	24	Pan.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	665
Tancred <sup>2</sup>	23	24	Nor.	Mitsubishi S. Kaish	New York, N. Y.	Osaka, Japan	Scrap iron	8,790
Fernchiff <sup>2</sup>	24	24	Nor.	Chile Nit. Sales Corp.	Wilmington, N.C.	Tocopilla, Chile.	Ballast	
San Cirilo <sup>2</sup>	24	24	Brit.	Eagle Oil & Ship. Co.	Manchester, Eng.	Los Angeles, Cal.	Ballast	
Norseman <sup>2</sup>	24	24	Pan.	Godager	Pto. Padre, Cuba	Yokohama, Japan	Scrap iron	6,464
Steeleor	23	24	Amer.	Ore S. S. Corp.	Newp't News, Va.	Cruz Gr'de, Chile	General	
L-53 <sup>5</sup>	24	24	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
M-238 <sup>5</sup>	24	24	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Porto Bello <sup>3</sup>	24	24	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Suecia <sup>2</sup>	24	25	Swed.	Johnson Line	Goth'burg, Swed.	Valparaiso, Chile.	General	5,353
Bidwell <sup>1 2</sup>	24	25	Amer.	Union Oil Co.	New York, N. Y.	Pt. San Luis, Calif.	Ballast	
American.	25	25	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	Gen., steel	2,321
Telde	25	25	Hond.	United Fruit Co.	Galveston, Tex.	Pto. Arm'les, R.P.	Ballast	
Sambu <sup>2</sup>	23	25	Pan.	Elliot Ship. & Land Co.	Sabine, Tex.	B'ventura, Col.	Gasoline, gen	52

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>11</sup> Mine planter. <sup>13</sup> For bananas and return to Cristobal, C. Z. <sup>14</sup> General, explosives.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Penrith Castle <sup>2</sup>	25	25	Brit.	Barber Line	Baltimore, Md.	Hongkong, China	General	2,018
Brazos <sup>1</sup>	22	25	Amer.	U. S. Navy	Cristobal, C. Z.	Los Angeles, Cal.	Ballast	
Nuevo Panama <sup>2</sup>	24	25	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Armles, R. P.	General	160
Col. Riche <sup>5</sup>	23		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Sambu <sup>2</sup>	24		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>	Tow. barge.	
Real <sup>2</sup>	24		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	( <sup>14</sup> )	
Tuira <sup>2</sup>	24		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
El Oso <sup>1</sup>	23	26	Brit.	Arrow Oil Co.	Curacao, N. W. I.	Peru	Ballast	
Mount Olympus	25	26	Greek	Rethymnis Kuluk/dis.	New York, N. Y.	Yawata, Japan	Serap iron	8,466
Ringar <sup>2</sup>	25	26	Nor.	Mitsubishi S. Kaisha	Philadelphia, Pa.	Dairen, China	Steel	8,350
San Calisto <sup>1 2</sup>	26	26	Brit.	Anglo-Mex. Pet. Co.	Pernambuco, Bra.	Martinez, Calif.	Ballast	
Temple Mead	26	26	Brit.	Chile Nit. Sales Corp.	Liverpool, Eng.	Toeopila, Chile.	Ballast	
St. Jerneborg <sup>2</sup>	25	26	Dan.	C. K. Hansen	Norfolk, Va.	Moji, Japan	Serap iron	7,873
Amerikaland <sup>2</sup>	26	27	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr de, Chile	Ballast	
California Express <sup>2</sup>	26	26	Nor.	Fruit Express Line	Hook of Holland	Los Angeles, Cal.	Ballast	
Dusseldorf <sup>2</sup>	25	26	Ger.	North German Lloyd	Hamburg, Ger.	Corral, Chile	General	3,639
Pirate <sup>3</sup>	26		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		20
Santa Lucia	26	27	Amer.	Grace Line	New York, N. Y.	SanAntonio, Chile	General	3,737
Golden Cloud	26	27	Amer.	Matson Nav. Co.	Baltimore, Md.	Hilo, T. H.	Tinplate, gen	2,849
Venice Maru	27	27	Jap.	Kawasaki K. Kaisha	Wilmington, Del.	Los Angeles, Cal.	Ballast	
Heimvard <sup>2</sup>	27	27	Nor.	Mitsubishi S. Kaisha	Texas City, Tex.	Yawata, Japan	Serap iron	8,185
Ontariolite <sup>1 2</sup>	27	27	Brit.	Imperial Oil Co.	Caripito, Venez.	Iquique, Chile	Fuel oil	12,004
Akaroa	27	28	Brit.	Shaw, Savill & Albion	London, England	Auckland, N. Z.	General	5,480
Siljestad <sup>2</sup>	27	27	Nor.	Fern Line	Mobile, Ala.	Kobe, Japan	Pig iron	7,200
P-14 <sup>5</sup>	27		Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sessa	27	28	Dan.	Wessel, Duval & Co.	Baltimore, Md.	Taleahuano, Chile	General	2,031
Edward Luckenbach	27	28	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	4,900
Harpoon	27	28	Amer.	Shepard Line	Albany, N. Y.	Seattle, Wash.	General	4,709
Trois Ilets	21	28	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	55
Trontolite <sup>1 2</sup>	27	28	Fr.	Imperial Oil Co.	Barranquilla, Col.	B'ventura, Col.	Gasoline	3,957
American Oriole	28	28	Amer.	McCormick S. S. Co.	Norfolk, Va.	Seattle, Wash.	General	2,841
Point Salinas	28	28	Amer.	Gulf-Pacific Line	Corpus Ch'ti, Tex.	Tacoma, Wash.	General	6,089
Metapan	27	29	Amer.	United Fruit Co.	Boston Mass.	Pto. Armles, R. P.	Ballast	
Ino <sup>2</sup>	26	28	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	123
Minnesota	28	28	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	3,243
Texas Sun <sup>1 2</sup>	28	28	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	
Dinteldijk <sup>2</sup>	27	29	Neth.	Holland-Amer. Line	Rotterdam, Neth.	Vancouver, B. C.	General	1,825
Nero <sup>2</sup>	27	28	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	42
Frank <sup>2</sup>	28		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu <sup>2</sup>	27		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		25
Olga E. Embiricos	28	29	Greek	C. Embiricos	New Orleans, La.	Kamaishi, Japan.	Serap	7,520
Istmo	27	29	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	490
City of Singapore	28	29	Brit.	Ellerman & Bucknall	New York, N. Y.	Dairen, China	General	6,323
Sveve <sup>1 2</sup>	28	29	Nor.	Wilb. & Paul Jbsen.	Liverpool, Eng.	Los Angeles, Cal.	Ballast	
Nicolaou Virginia	28	29	Greek	George Nicolaou	Houston, Tex.	Kobe, Japan	Serap iron	8,551
Evanger	29	29	Nor.	Westfal, Larsen & Co.	Buenos Aires, Arg.	Vancouver, B. C.	General	4,291
Nordnes <sup>2</sup>	29	29	Nor.	Can-Gulf Line	New Orleans, La.	Kobe, Japan	Serap steel	7,626
Vancouver	28	30	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Vancouver, B. C.	General	2,702
Moveria <sup>2</sup>	29	29	Brit.	Donaldson Line	Glasgow-England	Vancouver, B. C.	General	716
Helder	28	30	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Talcahuano, Chile	General	1,893
Nemea	29	30	Greek	Stathatos & Co.	Boston, Mass.	Yawata, Japan	Serap	7,503
Golden Horn	30	30	Amer.	Isthmia S. S. Lines.	Baltimore, Md.	S. Francisco, Cal.	Steel, gen	2,774
Villanger <sup>2</sup>	30	30	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	General	
Salamaua <sup>2</sup>	30	30	Brit.	Carpenter Line	Galveston, Tex.	Vancouver, B. C.	Sulphur, gen	4,140
Brarena <sup>1 2</sup>	30	30	Nor.	L. G. Broten	Caripito, Venez.	SanAntonio, Chile	Fuel oil	9,570
Hanley	30	30	Amer.	Weyerhaeuser S. S. Co.	Boston, Mass.	Seattle, Wash.	Steel, gen	5,557
Cerigo	29	30	Ger.	Hamburg-Amer. Line	Cristobal, C. Z.	Callao, Peru.	General	931
Copiapo <sup>2</sup>	30	31	Chile.	Cia. Sud. Amer. de Vap.	Nakskov, Den.	Valparaiso, Chile.	General	737
Lena Luckenbach	31	31	Amer.	Luckenbach Line	Houston, Tex.	Seattle, Wash.	General	4,913
Amerika <sup>2</sup>	31	31	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General	353
Porto Bello <sup>2</sup>	31	31	Pan.	A. Tagaropulos	Cristobal, C. Z.	Real, R. P.	General	3
Antares <sup>15</sup>	31	6-2	Amer.	U. S. Navy	Philadelphia, Pa.	San Diego, Calif.	General	28
Acajutla	24	1	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	594
Anglo Indian	31	1	Brit.	Can. Transp. Co.	Montreal, Canada	Victoria, B. C.	General	5,272
Nicolaou Ourania	31	2	Greek	G. Nicolaou	New York, N. Y.	Kobe, Japan	Serap iron	9,020
Loosdrecht <sup>1 2</sup>	31	1	Neth.	Phs. VanOmmersen Co	Avonmouth, Eng.	S. Francisco, Cal.	Ballast	
Henry D. Whiton	1	1	Amer.	Union Sulphur Co.	Galveston, Tex.	Everett, Wash.	Sulph., rosin	4,550
Stensby <sup>2</sup>	1	1	Dan.	Canadian Transp. Co.	Galveston, Tex.	Woodfibre, B. C.	Sulphur	2,250
Deroche <sup>1</sup>	1	1	Amer.	Union Oil Co. of Cal.	Chester, Pa.	Los Angeles, Cal.	Ballast	
Orduna	31	1	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile.	General	3,511
Tregarthen	1	3	Brit.	Norton, Lilly & Co.	Newp't News, Va.	Brisbane, Aust'lia	General	4,921
Tuira <sup>2</sup>	31		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu <sup>2</sup>	31		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	31		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>13</sup> For bananas and return to Cristobal, C. Z. <sup>14</sup> Towing motor ship Tuira. <sup>15</sup> Auxiliary.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Sambu <sup>2</sup>	31		Pan	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		25
Barge, No. 5441	31		Pan	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.		
Pirate <sup>3</sup>	6-1		Pan	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		20
Vega <sup>8</sup>	1	3	Amer.	U. S. Navy	Norfolk, Va.	Bremerton, Wash.	General.	3,476
Steel Mariner	1		Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Hilo, T. H.	Steel, gen.	2,880
Berganger <sup>2</sup>	12	12	Nor.	Interocean S. S. Line.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Alabaman	12	12	Amer.	Amer.-Hawaiian Line.	New York, N. Y.	Portland, Oreg.	General.	2,995
Goviken	12	12	Nor.	Wallen & Co	Baltimore, Md.	Moji, Japan.	(14)	6,498
Victoria City	12	12	Brit.	Mitsubishi S. Kaisha.	Mobile, Ala.	Yawata, Japan.	(15)	8,048
Santa Maria	12	12	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile.	General.	2,825
Goodyear <sup>5</sup>	13		Amer.	Goodyear Rubber Co.	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Snapper <sup>7</sup>	30		Amer.	U. S. Navy	Guantanamo, Cuba	Valparaiso, Chile.	Ballast	
Laurits Swenson <sup>2</sup>	2	3	Nor.	Fred Olsen Line	Oslo, Norway	Vancouver, B. C.	General.	3,038
Hope castle <sup>2</sup>	12	3	Brit.	Isbrandtsen-Moller Co.	Newcastle, Eng.	Yokohama, Japan	General.	5,729
Kinai Maru <sup>2</sup>	12	3	Jap.	Osaka Shosen Kaisha.	Boston, Mass.	Kobe, Japan	Scrap, gen.	4,362
St. Mibel <sup>8</sup>	12	4	Amer.	U. S. Army	Brooklyn, N. Y.	S. Francisco, Cal.	Supplies	369
Komaki Maru <sup>2</sup>	12	3	Jap.	Kokusai Kisen Kaisha	New York, N. Y.	Kobe, Japan	Scrap rails	5,544
Hermionthis <sup>2</sup>	12	3	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Corral, Chile	General.	3,896
Hoxbar <sup>1</sup>	12	3	Amer.	Petrol Corp. of L. A.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Harpalycus	12	3	Brit.	H. L. E. Meyer & Co.	Newcastle, Eng.	S. Francisco, Cal.	Coke	5,706
Nero <sup>2</sup>	12	3	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Tunaco, Colom.	General.	64
Indianan	12	3	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General.	2,723
Darien	12	5	Pan.	United Fruit Co.	Boston, Mass.	Pto. Arm'les, R.P.	Ballast	
Brazilian Reefer <sup>2</sup>	4	4	Dan.	J. Lauritzen	Hamburg, Ger.	Los Angeles, Cal.	Ballast	
Essex <sup>2</sup>	4	4	Brit.	N. Z. Shipping Co.	Liverpool, Eng.	Auckland, N. Z.	General.	8,170
Montanan	4	4	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General.	3,196
Julia Luckenbach.	4	4	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General, oil	3,764
Manizales	4	4	Ger.	North German Lloyd.	Cristobal, C. Z.	Guayaquil, Ecua.	General.	490
Elbe <sup>2</sup>	4	4	Ger.	North German Lloyd.	Hamburg, Ger.	Vancouver, B. C.	General.	3,305
Clio <sup>2</sup>	4	4	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.	315
Frank <sup>2</sup>	4	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Trois Ilets	3	5	Fr.	French Line	Cristobal, C. Z.	Manta, Ecuador.	Ballast	
Istmo	3	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Bventura, Col.	General.	460
San Lucas	3	5	Amer.	States S. S. Line	Jacksonville, Fla.	Seattle, Wash.	Gen., steel	3,826
Port Halifax	4	5	Brit.	Mont.-Aust.-N.Z. Line	Montreal, Canada	Dunedin, N. Z.	General.	5,988
Zealandia	4	5	Brit.	Shaw, Savill & Albion	London, England	Nelson, N. Z.	General.	6,493
Phemius	5	5	Brit.	Alfred Holt & Co.	New York, N. Y.	Hongkong, China	General.	4,756
British Monarch.	5	5	Brit.	Canadian Transp. Co.	Sydney, C. B.	Vancouver, B. C.	Steel	1,382
Vermar	5	5	Amer.	Calmar Line	Philadelphia, Pa.	Los Angeles, Cal.	Steel, gen.	7,250
Trehatu	5	5	Brit.	Hain S. S. Co.	New York, N. Y.	Sydney, Australia	General.	3,626
Pacific Grove <sup>2</sup>	5	5	Brit.	Furness-Pacific Line	Glasgow-England	Vancouver, B. C.	General.	379
Ville d'Amiens	5	6	Fr.	Messageries Marit'es.	Marseilles, France	Noumea, N. Caled.	General.	2,339
Gannet <sup>10</sup>			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Tow, launch.	
Rambler <sup>5</sup>			Amer.	F. V. Barker	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Hororata	5	6	Brit.	N. Z. Shipping Co.	Liverpool, Eng.	Wellington, N. Z.	Ballast	
Nozima Maru <sup>2</sup>	6	6	Jap.	Nippon Yusen Kaisha	Philadelphia, Pa.	Kobe, Japan	General.	5,382
Brilliant <sup>1</sup>	6	6	Amer.	Socony Vac. Oil Co.	Albany, N. Y.	Los Angeles, Cal.	Ballast	
Tuscaloosa City.	6	6	Amer.	Isthmian S. S. Lines.	Portland, Me.	Seattle, Wash.	General.	3,483
Columbia <sup>2</sup>	6	6	Dan.	Dampskibsselskabet.	London, England	Los Angeles, Cal.	Ballast	
Nuevo Panama <sup>2</sup>	6	6	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General.	180
Porto Bello <sup>3</sup>	6	6	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General.	3
Mobile City	7	7	Amer.	Isthmian S. S. Lines.	Mobile, Ala.	Seattle, Wash.	(16)	4,789
Smaragd	7	7	Nor.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General.	579
Westralia <sup>2</sup>	7	7	Dan.	Westralian Farmers.	Galveston, Tex.	Yarraville, Aust.	Sulphur	7,300
Kingfisher <sup>10</sup>			Amer.	U. S. Navy	Gatun, C. Z.	Balboa, C. Z.	Ballast	
Ousebridge	7	8	Brit.	Crosby, Son & Co.	S. Shields, Eng.	Vancouver, B. C.	Ballast	
Canadian Cruiser	7	8	Brit.	Mont.-Aust.-N.Z. Line	Three Riv, Can.	Melbourne, Aust.	Paper	4,620
Azumasan Maru <sup>2</sup>	7	8	Jap.	Mitsui Bussan Kaisha	New York, N. Y.	Dairen, China	Steel, mach.	7,000
City of Elwood <sup>2</sup>	8	8	Amer.	Roosevelt S. S. Line.	Baltimore, Md.	Kobe, Japan	General.	6,470
Barrgrove	8	8	Brit.	Commercial Metals Co.	New Orleans, La.	Kobe, Japan	Scrap iron.	7,035
West Cactus	8	8	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Vancouver, B. C.	General.	3,166
Friesland <sup>2</sup>	7	8	Ger.	Hamburg-Amer. Line.	Galveston, Tex.	Manila, P. I.	General.	7,752
Leipzig <sup>2</sup>	7	8	Ger.	North German Lloyd.	Hamburg, Ger.	San Antonio, Chile	General.	3,342
Taira <sup>2</sup>	7		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona <sup>2</sup>	7		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
La Union <sup>2</sup>	7		Pan.	A. Valdes.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu <sup>2</sup>	7		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	7		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu <sup>2</sup>	8		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		
Barge, No. 5441	7		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.		
Pirate <sup>3</sup>	8		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>		20
Nisshin Maru, No. 2, <sup>2</sup>	8	9	Jap.	Mitsubishi Co.	Rotterdam, Neth.	Yokohama, Japan	Ballast	
Edda	9	9	Ital.	Blue Star Line	Newcastle, Eng.	Los Angeles, Cal.	Ballast	
Washingtonian	9	9	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	2,729
Vibran <sup>2</sup>	9	9	Nor.	Knutson Line.	Cardiff, England.	Los Angeles, Cal.	Ballast	
Cubore	9	9	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>7</sup> Submarine. <sup>8</sup> Transport. <sup>10</sup> Mine sweeper. <sup>13</sup> For bananas and return to Cristobal, C. Z. <sup>14</sup> Steel plates and bars. <sup>15</sup> Cotton and scrap metal. <sup>16</sup> Tinplate, steel.



ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Bethore	8	9	Amer.	Ore S. S. Corp.	Newp't News, Va.	Cruz Gr'de, Chile	Ballast	.....
Pomona	9	9	Amer.	Pac. Coast Dir. Line	New York, N. Y.	Seattle, Wash.	General	3,840
Rangitiki <sup>2</sup>	9	10	Brit.	N. Z. Shipping Co.	London, England	Auekland, N. Z.	General	5,016
Stlemmestad <sup>2</sup>	9	9	Nor.	Fern Line	Mobile, Ala.	Osaka, Japan.	Pig iron	7,200
Wyoming	9	9	Fr.	French Line	Dunkerque, Fr.	Vancouver, B. C.	Sand, steel	3,215
Indigirka	9	11	Russ.	Amotrg Trading Corp.	New York, N. Y.	Vlad'ok, U.S.S.R.	Tinplate	1,054
Santa Inez <sup>2</sup>	10	11	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile.	General	2,077
Chief <sup>5</sup>	10	11	Amer.	Edward Fraser	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....
Frank <sup>3</sup>	10	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Nathan <sup>2</sup>	10	10	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>13</sup>	.....	20

PACIFIC TO ATLANTIC

Empress of Britain	10	11	Brit.	Can. Pac. Steamships.	New York, N. Y.	New York, N. Y. <sup>14</sup>	Passengers	.....
Pacific Exporter <sup>2</sup>	11	11	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Glasgow, Scot.	Gen., lumber	8,813
Eskdalegate	11	11	Brit.	Chile Nit. Sales Corp.	Taltal, Chile.	Azores <sup>14</sup>	Nitrate	7,428
Carica Milica	11	11	J-Slav.	Seaboard Shipping Co.	Pt. Alberni, B. C.	Hull, England.	Lum., grain	8,700
Charles R. McCormick	11	11	Amer.	McCormick S. S. Co.	Tacoma, Wash.	Philadelphia, Pa.	Lumber, gen.	8,111
San Angelo	11	11	Amer.	Quaker Line	Marshfield, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,447
Baldhill	11	11	Amer.	Shell Terminal Corp.	Los Angeles, Cal.	Curacao, N. W. I.	( <sup>15</sup> )	9,378
Trois Ilets	11	16	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	268
Marna	11	11	Dan.	West Coast Line	Valparaiso, Chile.	New York, N. Y.	General	2,500
Deroche <sup>1</sup>	10	13	Amer.	Union Oil of Calif.	Los Angeles, Cal.	Paulsboro, N. J.	( <sup>16</sup> )	5,571
Skeena <sup>9</sup>	8	12	Brit.	Canadian Govt.	Esquimalt, B. C.	Halifax, N. S.	.....	.....
Saguenay <sup>9</sup>	8	12	Brit.	Canadian Govt.	Esquimalt, B. C.	Halifax, N. S.	.....	.....
Elin K. <sup>2</sup>	11	12	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Savannah, Ga.	Nit. of soda	8,310
President de Vogue <sup>1, 2</sup>	11	12	Nor.	Cia. Des. Prod. Chim. Et. Raffineries.	Talara, Peru.	Port de Bouc, Fr.	Crude oil	13,731
Pontypridd	11	12	Brit.	Andrew Weir & Co.	Ocean Island	Gaddviken, Swed.	Phosphate	7,450
Susan V. Luckenbach	12	12	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Gen., lumber	6,777
Norden <sup>2</sup>	12	13	Dan.	Kawasaki K. Kaisha.	Manila, P. I.	New Orleans, La.	General	4,530
Manizales	12	14	Ger.	North German Lloyd.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	1,080
Ino <sup>2</sup>	12	14	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	427
Brisbane Star <sup>2</sup>	13	13	Brit.	Blue Star Line	Pt. Chalmers, N.Z.	Glasgow, Scot.	Frozen, gen.	8,027
Texas Sun <sup>1, 2</sup>	13	13	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	14,977
Mahana	13	13	Brit.	Shaw, Savill & Albion	Auckland, N. Z.	London, England	Frozen, gen.	7,285
Chiriqui <sup>2</sup>	13	14	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	302
Nebraskan	13	13	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	6,088
Beloit <sup>2</sup>	13	16	Hond.	W. M. Eden	Tumaco, Colom.	La Ceiba, Hond.	Ballast	.....
Weser <sup>2</sup>	13	14	Ger.	North German Lloyd.	Vancouver, B. C.	Bremen, Ger.	General	7,278
Jacob Luckenbach	13	14	Amer.	Luckenbach Line	Portland, Oreg.	Mobile, Ala.	General	5,258
Nero <sup>2</sup>	14	15	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee	391
Uyo Maru <sup>2</sup>	14	14	Jap.	Mitsui Line	Hiloilo, P. I.	New York, N. Y.	Silk, gen.	8,358
Lancaster Castle	14	14	Brit.	Chile Nit. Sales Corp.	Iquique, Chile.	Azores <sup>17</sup>	Nitrate	8,740
Santore	14	14	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,500
Steel Inventor	14	14	Amer.	Isthmian S. S. Lines.	Port Allen, T. H.	New York, N. Y.	Sugar	8,534
Alamar	14	14	Amer.	Calmar S. S. Corp.	Seattle, Wash.	Baltimore, Md.	Lumber	7,587
Porto Bello <sup>2</sup>	14	14	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	Fruit, lum.	12
Mamari	15	15	Brit.	Shaw, Savill & Albion	Auckland, N. Z.	London, England	Frozen, gen.	5,926
Roda <sup>2</sup>	16	16	Ger.	Hamburg-Amer. Line.	Taleahuano, Chile	Hamburg, Ger.	General	7,702
Herman F. Whiton	16	16	Amer.	Dutton Lumber Corp.	Portland, Oreg.	New York, N. Y.	Lumber	7,300
Gen. M. H. Sherman	15	16	Amer.	Matson Nav. Co.	Honolulu, T. H.	New Orleans, La.	( <sup>18</sup> )	7,429
Tamara	16	17	Brit.	Shaw, Savill & Albion	Timaru, N. Z.	London, England	Frozen, gen.	3,469
Gargoyle <sup>1</sup>	17	17	Amer.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N. W. I.	Gas oil	9,903
Petrofina <sup>1, 2</sup>	17	17	Nor.	A/S Petrofina	Talara, Peru	Dunkerque, Fr.	Crude oil	14,933
Firmore	17	17	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,850
Pennsylvania	17	17	Amer.	Weyerhaeuser S. S. Co.	Tacoma, Wash.	Philadelphia, Pa.	Lumber, gen.	6,795
Istmo	17	21	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	( <sup>19</sup> )	733
Kansai Maru <sup>2</sup>	17	17	Jap.	Osaka Shosen Kaisha.	San Carlos, P. I.	New York, N. Y.	Silk, gen.	5,161
Rygia	17	17	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Norfolk, Va.	Nit. of soda	6,068
Reliance	17	17	Ger.	Hamburg-Amer. Line.	New York, N. Y. <sup>13</sup>	New York, N. Y.	Passengers	.....
Real <sup>2</sup>	17	18	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	34
Tuira <sup>2</sup>	17	18	Pan.	Julio Lafargue	Darien, R. P.	Cristobal, C. Z.	Bananas	56
Sona <sup>2</sup>	17	18	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	33
Frank <sup>2</sup>	17	18	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	33
Pirre <sup>2</sup>	17	18	Pan.	Julio Lafargue	Darien, R. P.	Cristobal, C. Z.	Bananas	44
Northleigh	17	18	Brit.	Seaboard Ship. Co.	N. Westm'r, B. C.	Liverpool, Eng.	Lum., doors	8,341
Jeanne D'Arc <sup>12</sup>	15	23	Fr.	French Government.	Marquesas Is.	Fort de France	.....	.....
Brimanger <sup>2</sup>	17	18	Nor.	Interocean S. S. Corp.	Seattle, Wash.	Havre, France.	( <sup>20</sup> )	7,646
Chattanooga City	17	18	Amer.	Isthmian S. S. Lines.	Vancouver, B. C.	Avonmouth, Eng.	Lumber, gen.	8,131
El Mirlo <sup>1, 2</sup>	17	18	Brit.	C. T. Bowring & Co.	La Libertad, Ecua.	Ellesmere, Eng.	Crude oil	11,857

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>9</sup> Destroyer. <sup>12</sup> Cruiser. <sup>13</sup> For bananas and return to Cristobal, C. Z. <sup>14</sup> Around the world. <sup>15</sup> Kerosene distillate. <sup>16</sup> Petroleum, solvent. <sup>17</sup> For orders. <sup>18</sup> Sugar, pineapples, cane. <sup>19</sup> Coffee, empty bottles. <sup>20</sup> Wheat, lumber, general.



PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Florida	18	18	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General.	6,107
Munsterland <sup>2</sup>	17	19	Ger	Hamburg-Amer. Line.	Cebu, P. I.	New Orleans, La.	Copra, gen.	6,033
Atenas	18	18	Amer.	United Fruit Co.	Pto. Arm'les, R.P.	Boston, Mass.	Bananas	1,341
Coloradan	19	19	Amer.	Amer.-Hawaiian Line.	Astoria	Baltimore, Md.	General.	6,750
Mallard <sup>4</sup>	19	19	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Thorstrand <sup>2</sup>	19	19	Nor.	Fred Olsen & Co.	Los Angeles, Cal.	Liverpool, Eng.	Citrus fruit.	1,730
Oregon Express <sup>2</sup>	19	19	Nor.	Fruit Express Line.	Los Angeles, Cal.	London, England	Fresh fruit.	1,092
J. L. Luekenbaeh	19	19	Amer.	Luekenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,618
Magnolia <sup>1</sup>	19	19	Amer.	Socony Vac. Oil Co.	Los Angeles, Cal.	Providence, R. I.	Gasoline	14,254
San Gil	19	19	Pan.	United Fruit Co.	Pto. Arm'les, R.P.	New Orleans, La.	Bananas	1,957
Thrush <sup>10</sup>	19	19	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Lieut. Col. H. C. Schumm <sup>4</sup>	19	19	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Richmond <sup>12</sup>	19	26	Amer.	U. S. Navy	San Diego, Calif.	Norfolk, Va.		
Durazzo	20	21	Ger	Hamburg-Amer. Line.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	1,151
Pereira	20	24	Pan.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General.	1,001
Reina del Pacifico <sup>2</sup>	19	20	Brit.	Pacific Steam Nav. Co	San Antonio, Chile	Liverpool, Eng.	General.	5,732
S-43 <sup>7</sup>	20	20	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
S-46 <sup>7</sup>	20	20	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
S-47 <sup>7</sup>	20	20	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
S-44 <sup>7</sup>	20	20	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Memphis City	20	20	Amer.	Isthmian S. S. Lines.	Kahului, T. H.	Baltimore, Md.	Sugar, gen.	8,401
Nero <sup>2</sup>	15	21	Neth.	Royal Neth. S. S. Co.	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
S-45 <sup>7</sup>	20	21	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Point Lobos	20	20	Amer.	Swayne & Hoyt	Seattle, Wash.	Panama City, Fla.	General.	5,469
Bethore	20	21	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,500
Nourmahal <sup>2 6</sup>	20	21	Amer.	Vineent Astor	Honolulu, T. H.	New York, N. Y.	Ballast	
Clio <sup>2</sup>	21	22	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	Cacao, gen.	561
D. G. Schofield <sup>1</sup>	20	21	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Providence, R. I.	(12)	10,925
Cubore	20	21	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,600
Larebank <sup>2</sup>	20	21	Brit.	Chile Nit. Sales Corp.	Iquique, Chile.	Azores <sup>13</sup>	Nit. of soda	8,600
Wisconsin	21	22	Fr.	French Line	Vancouver, B. C.	Havre, France.	General.	8,610
Darlington Court <sup>2</sup>	21	21	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Hull, England	Wheat, lum	8,400
Trois liets.	21	21	Fr.	French Line	B'ventura, Cal.	Cristobal, C. Z.	Coffee	292
Misoa <sup>1</sup>	14	21	Brit.	West India Oil Co.	Balboa, C. Z.	Aruba, N. W. I.	Ballast	
Yamazato Maru <sup>2</sup>	21	22	Jap.	Yamashita Ship. Co.	Cebu, P. I.	Buenos Aires, Arg.	General.	8,270
Canadian	21	22	Amer.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Charleston, S. C.	Nitrate	8,000
Losmar	21	21	Amer.	Calmar Line	Seattle, Wash.	Baltimore, Md.	Lumber	4,482
Winona	21	22	Amer.	Weyerhaeuser S. S. Co.	S. Francisco, Cal.	Baltimore, Md.	(15)	8,252
Knute Nelson <sup>2</sup>	21	23	Nor.	Fred Olsen & Co.	Vancouver, B. C.	Oslo, Norway	General.	8,116
Illinois <sup>1</sup>	22	23	Amer.	The Texas Co.	Los Angeles, Cal.	Pt. Arthur, Tex.	Gasoline	1,195
Brazos <sup>1</sup>	21	25	Amer.	U. S. Navy	Los Angeles, Cal.	Coco Solo, C. Z.	(16)	60
Gertrude Maersk <sup>2</sup>	22	22	Dan.	Isbrandtsen Moller Co.	Manila, P. I.	New York, N. Y.	General.	7,000
Porto Bello <sup>2</sup>	22	24	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(17)	667
San Cipriano <sup>1 2</sup>	22	23	Brit.	Eagle Oil & Ship. Co.	Los Angeles, Cal.	United Kingdom.	(18)	11,662
Heina <sup>2</sup>	22	23	Nor.	Seaboard Ship. Co.	N. West'm'er, B.C.	London, Eng.	Lum., wheat.	6,642
Ronda <sup>2</sup>	23	23	Nor.	Mitsui Bussan Kaisha	Iloilo, P. I.	New York, N. Y.	General.	7,084
San Bernardino.	23	23	Amer.	States S. S. Co.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,642
Santa Inez <sup>2</sup>	23	23	Amer.	Grace Line	Chanaral, Chile.	New York, N. Y.	General.	3,558
Arkansas	23	23	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	New York, N. Y.	General.	6,468
Boskoop	23	24	Neth.	Kon. Ned. Stoomboot	Valparaiso, Chile.	Hamburg, Ger.	General.	7,867
Fox, No. 234 <sup>9</sup>	23	25	Amer.	U. S. Navy	San Diego, Cal.	Philadelphia, Pa.		
Modjokerto <sup>2</sup>	23	23	Neth.	S. & J. Thompson	Calcutta, India.	Calcutta, India.	General.	6,356
Geddington Court	23	23	Brit.	Can. Transp. Co.	Vancouver, B. C.	London, Eng.	Lumber, gen.	10,040
Gilmer, No. 233 <sup>9</sup>	23	25	Amer.	U. S. Navy	San Diego, Calif.	Philadelphia, Pa.		
Brooks, No. 232 <sup>9</sup>	23	25	Amer.	U. S. Navy	San Diego, Calif.	Philadelphia, Pa.		
Childs, No. 241 <sup>9</sup>	23	25	Amer.	U. S. Navy	San Diego, Calif.	Philadelphia, Pa.		
Williamson <sup>9</sup>	23	25	Amer.	U. S. Navy	San Diego, Calif.	Philadelphia, Pa.		
Ambassador	23	24	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Pensacola, Fla.	Nitrate	7,750
Nuevo Panama <sup>2</sup>	24	25	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	115
Acajutla	24	6-1	Brit.	Pacific Steam Nav. Co	Champ'ico, Guat.	Cristobal, C. Z.	General.	415
Frank <sup>2</sup>	24	25	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	37
Real <sup>2</sup>	24	25	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Taira <sup>2</sup>	24	25	Pan.	Julio Lafargue	Darien, R. P.	Cristobal, C. Z.	Bananas	55
Western Explorer <sup>2</sup>	23	25	Amer.	M. A. Petrich	Los Angeles, Cal.	Gloucester, Mass.	Ballast	
Franconia	25	25	Brit.	Cunard Line	New York, N. Y. <sup>19</sup>	New York, N. Y.	Passengers.	
Emergency Aid.	25	25	Amer.	Bulk Carriers Corp.	Port Angeles	Philadelphia, Pa.	Lumber.	7,250
Marina <sup>1 2</sup>	25	26	Nor.	Standard Oil of N. J.	Talara, Peru	Le Havre, France	Crude oil	14,142
Taylor <sup>9</sup>	26	26	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Sofe Bakke <sup>2</sup>	25	26	Nor.	Knut Knutsen O.A.S.	Vancouver, B. C.	Glasgow, Scot.	General.	7,325
Alabama	25	26	Fr.	French Line	Valparaiso, Chile	Le Havre, France	Lumber, gen.	7,452
Republic <sup>8</sup>	24	27	Amer.	U. S. Army	Honolulu, T. H.	New York, N. Y.	Army stores.	1,009
Zaepa	26	26	Amer.	United Fruit Co.	Pto. Arm'les, R.P.	Boston, Mass.	Bananas	1,700
Durazzo	26	26	Ger.	Hamburg-Amer. Line.	B'ventura, Col.	Cristobal, C. Z.	(20)	1,178
Allende	26	26	Brit.	Morel, Ltd.	Iloilo, P. I.	E. coast U.S.A.	Sugar	8,400
Lillian Luckenbach.	26	26	Amer.	Luckenbach Line.	Pt. Town'd, Wash.	Boston, Mass.	General.	8,550

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>6</sup> Yacht. <sup>7</sup> Submarine. <sup>8</sup> Transport. <sup>9</sup> Destroyer. <sup>10</sup> Mine sweeper. <sup>12</sup> Cruiser. <sup>13</sup> Petrolastic asphalt. <sup>14</sup> For orders. <sup>15</sup> Lumber, pulp, coffee, general. <sup>16</sup> Gasoline, household goods. <sup>17</sup> Lumber, plantains, pigs. <sup>18</sup> Gasoline, kerosene. <sup>19</sup> Around the world. <sup>20</sup> Coffee, empty bottles.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Axel Johnson <sup>2</sup>	26	27	Swed.	Johnson Line	Vancouver, B. C.	Goth'burg, Swed.	Wheat, gen.	6,580
Chr. Knudsen <sup>2</sup>	26	26	Nor.	Can. Transport Co.	Britania Beach	Dunkerque, Fr.	( <sup>14</sup> )	8,125
Ino <sup>2</sup>	26	28	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	3,340
Cerigo	26	30	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	1,306
Oakland <sup>2</sup>	26	28	Ger.	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	General	7,017
Ville De Strasbourg	26	27	Fr.	Messageries Marit'es.	Noumea, N. Caled	Marseilles, Fr.	General	5,019
Bahrein <sup>1</sup>	26	27	Pan.	Anglo-Amer. Oil Co.	Los Angeles, Cal.	London, England	Gasoline	8,600
Ferngen <sup>2</sup>	26	28	Nor.	Fern Line	Iloilo, P. I.	New York, N. Y.	Sugar, gen.	8,556
Istmo	26	29	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	721
Frida	26	27	Dan.	West Coast Line	Arica, Chile	New York, N. Y.	Gen., nitrate	2,636
Cape of Good Hope <sup>2</sup>	23	27	Brit.	Contin'l Grain Corp.	Manila, P. I.	E. coast, U.S.A.	Sugar	7,445
Storstad <sup>1 2</sup>	27	27	Nor.	Standard Oil of N. J.	Talara, Peru	Halifax, N. S.	Crude oil	13,100
Nero <sup>2</sup>	27	28	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee, hides	269
Dresden <sup>2</sup>	26	27	Ger.	North German Lloyd.	Corral, Chile	Bremen, Ger.	General	6,571
Tai Yin <sup>2</sup>	27	28	Nor.	Barber S. S. Lines.	Manila, P. I.	New York, N. Y.	Sugar, gen.	7,142
Nailsea Meadow.	27	28	Brit.	Pampanga Sugar Dev.	Manila, P. I.	E. coast, U.S.A.	Sugar	8,265
Um <sup>2</sup>	28	28	Ger.	North German Lloyd.	Los Angeles, Cal.	Hamburg, Ger.	Oranges	1,660
Lochgoil <sup>2</sup>	28	28	Hond.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	844
City of Dalhart <sup>2</sup>	28	28	Amer.	Roosevelt S. S. Co.	Iloilo, P. I.	New York, N. Y.	Sugar, gen.	8,265
Greaston	28	28	Brit.	Anglo-Can. S. S. Co.	McBride Bay, B.C.	London, England	Lum., lead	7,445
Steel Voyager	28	28	Amer.	Isthmian S. S. Lines.	Belawan, Sumatra	Baltimore, Md.	( <sup>15</sup> )	7,529
Lochgoil <sup>2</sup>	28	30	Brit.	N. Pacific Coast Line.	N. West'm'er, B.C.	Rotterdam, Neth.	General	9,527
Papose <sup>1 2</sup>	28	29	Amer.	Shell Oil Co.	Los Angeles, Cal.	Baltimore, Md.	Gasoline	7,760
Modavia <sup>2</sup>	29	29	Brit.	Donaldson Bros.	Vancouver, B. C.	Glasgow, Scot.	Fruit, gen.	4,624
Kansan	29	29	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	General	4,990
Golden Mountain.	29	29	Amer.	Matson Nav. Co.	Los Angeles, Cal.	Galveston, Tex.	Sugar	8,393
Canada <sup>2</sup>	29	29	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den.	General	9,919
San Diego	29	30	Fr.	French Line	Vancouver, B. C.	Rotterdam, Neth.	General	7,154
Vinni <sup>2</sup>	29	30	Nor.	Kawasaki K. Kaisha.	Kobe, Japan	New York, N. Y.	General	1,910
Porto Bello <sup>2</sup>	29	29	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	( <sup>13</sup> )	7
Gretavale	30	30	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Savannah, Ga.	Nitrate	7,705
Nevadan	30	30	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	7,441
Heiyo Maru <sup>2</sup>	30	31	Jap.	Nippon Yusen Kaisha	Manila, P. I.	New York, N. Y.	General	7,786
Port Caroline	30	31	Brit.	Port Line, Ltd.	Bluff, N. Z.	London, England	Frozen, gen.	5,724
Rangitane <sup>2</sup>	30	30	Brit.	N. Z. Shipping Co.	Wellington, N. Z.	London, England	Frozen, gen.	6,614
Gaviota <sup>2 4</sup>	30	30	Peru	Peruvian Govern'm't.	Gamboa, C. Z.	Lima, Peru	Ballast	5,577
Lebore	31	31	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Elg <sup>2</sup>	31	31	Nor.	Anglo-Can. S. S. Co.	Vancouver, B. C.	S'ampton, Eng.	Lumber	6,208
City of Delhi	31	6-1	Brit.	Mont.-Aust.-N.Z. Line	Pagoumene	Montreal, Canada	General	6,708
Nitro	29	1	Amer.	U. S. Navy	San Diego, Calif.	Norfolk, Va.	Navy stores	715
Santos <sup>2</sup>	31	31	Swed.	Red. A. B. Nordst'jan	Valparaiso, Chile.	Stockholm, Swed.	( <sup>17</sup> )	6,251
Santa Clara	31	31	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	Copper, gen.	4,790
Real <sup>2</sup>	31	1	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
Frank <sup>2</sup>	31	1	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Tura <sup>2</sup>	31	1	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	36
Sambu <sup>2</sup>	31	1	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	57
Ruhine	31	1	Brit.	New Zealand Line	Wellington, N. Z.	London, England	Refrig., gen.	4,673
Lagarto <sup>2</sup>	31	1	Brit.	Pacific Steam Nav. Co.	Talcahuano, Chile	Hull, England	Copper, gen.	6,998
Pacific	31	1	Amer.	Weyerhaeuser S. S. Co.	Everett, Wash.	New York, N. Y.	Lumber, gen.	8,212
Yngaren <sup>2</sup>	31	1	Swed.	Transatlantic S. S. Co.	Apia, Samoa	London, England	Lead, gen.	8,940
Chateau Thierry <sup>3</sup>	31	1	Amer.	U. S. Army	Honolulu, T.H.	New York, N. Y.	Army stores	836
Arizonan	6-1	1	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	6,340
Cathwood <sup>1</sup>	1	1	Amer.	Union Oil Co. of Calif.	Los Angeles, Cal.	Baltimore, Md.	Crude oil	9,445
Mathew Luckenbach.	1	1	Amer.	Luckenbach Line	Los Angeles, Cal.	Mobile, Ala.	General	6,226
Cape York <sup>2</sup>	29	1	Brit.	Lyle Shipping Co.	Manila, P. I.	New York, N. Y.	Sugar	8,610
Metapan	1	1	Amer.	United Fruit Co.	Pto. Arm'les, R.P.	Boston, Mass.	Bananas	1,200
R. G. Dee <sup>13</sup>	1	1	Amer.	W. J. Bartlett	Miraflores, C. Z.	Gatun, C. Z.	Ballast	
Nore <sup>1 2</sup>	1	2	Pan.	Drewry, Paris	Cabo B'eo, Peru	Donges, France	Crude oil	12,353
Teviotbank	1	2	Brit.	Col. Sugar Refin. Co.	Pagoumene	Hamburg, Ger.	Ore, sugar	8,100
Taranger <sup>2</sup>	2	2	Nor.	Interocean S. S. Corp.	Seattle, Wash.	Rotterdam, Neth	Wheat, gen.	7,390
Snaaragd	2	2	Nor.	Grace Line	Champico, Guat.	Cristobal, C. Z.	Coffee, gen.	529
Grete Maersk <sup>2</sup>	2	3	Dan.	Maersk Line	Cebu, P. I.	Baltimore, Md.	Sugar, gen.	6,885
Manizales	2	4	Ger.	North German Lloyd.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	1,087
Nero <sup>2</sup>	2	3	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee	553
Tropic Star	2	3	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Savannah, Ga.	Nitrate	8,300
Ekatontarchos	2	3	Greek	Anglo-Can. S. S. Co.	Angio-Can. S. S. Co.	Rotterdam, Neth	( <sup>13</sup> )	7,583
Dracoulis								
Trois Ilets	3	5	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	316
Nankai Maru <sup>2</sup>	3	4	Jap.	Osaka Shosen Kaisha	Dairen, China	Baltimore, Md.	General	4,101
Istmo	3	5	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	718
Clio <sup>2</sup>	3	4	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	523
Marore	4	4	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,500
Thorsbovdi <sup>1 2</sup>	3	4	Nor.	Anglo-Saxon Pet. Co.	S. Francisco, Cal.	Curacao, N. W. I.	Gasoline	13,607
Horn Shell <sup>1 2</sup>	3	4	Brit.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N. W. I.	Gas oil	12,026
Dallas 199 <sup>3</sup>	4	4	Amer.	United States Navy	Balboa, C. Z.	Cristobal, C. Z.		

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>8</sup> Transport. <sup>13</sup> Motor boat. <sup>14</sup> Ore, lumber, general. <sup>15</sup> Rubber, hemp, sugar. <sup>16</sup> Plantains, lumber. <sup>17</sup> Salteaca, nitrate. <sup>18</sup> Lumber, concentrates.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrival	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Tons
Evita <sup>1</sup> <sup>2</sup>	4	4	Nor.	J. M. Uglund	Los Angeles, Cal.	Lands End, Eng. <sup>14</sup>	Gasoline	8,956
Point Chico	4	4	Amer.	Swayne & Hoyt	Seattle, Wash.	Panama City, Fla.	Lumber, gen.	5,602
Porto Bello <sup>2</sup>	4	4	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	( <sup>15</sup> )	5
Erviken	4	5	Nor.	Polaris, New York	Pt. Alberni, B. C.	Boston, Mass.	Lumber, ore.	10,075
Hagan <sup>1</sup>	5	5	Amer.	Shell Oil Co.	Wilmington, Cal.	Curacao, N. W. I.	Gas oil	9,270
Asosan Maru <sup>2</sup>	5	5	Jap.	Mitsui & Co.	Manila, P. I.	Philadelphia, Pa.	Silk, gen.	6,578
Nuevo Panama <sup>2</sup>	5	6	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	221
Walter A. Luckenbach	5	5	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	7,557
Arima Maru <sup>2</sup>	5	5	Jap.	Nippon Yusen Kaisha	Hakodate, Japan.	Hamburg, Ger.	General	7,828
West Cape	4	5	Amer.	McCormick S. S. Co.	Port Townsend	Philadelphia, Pa.	Lumber, gen.	6,110
Port Sydney	5	6	Brit.	Port Line	Auckland, N. Z.	London, England	Frozen, gen.	6,756
El Oso <sup>1</sup>	5	6	Brit.	C. T. Bowring & Co.	Cabo Bl'co, Peru	Ellesmere, Eng.	Oil	10,255
Steel Maker	5	6	Amer.	Isthmian S. S. Lines	Port Allen, T. H.	Baltimore, Md.	Sugar, gen.	7,331
Shakespear	6	6	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	London, England	Lumber	6,457
Missourian <sup>2</sup>	6	6	Amer.	Amer.-Hawaiian Lines	Seattle, Wash.	Boston, Mass.	General	6,884
Estc	6	6	Ger.	North German Lloyd	Vancouver, B. C.	Hamburg, Ger.	General	7,323
Santa Clara Valley	2	6	Brit.	Continental Grain Co.	Hiloilo, P. I.	E. coast, U. S. A.	Sugar	8,400
Gunda	6	6	Nor.	N. A. & Gulf S. S. Co.	Guaymas, Mexico	Rotterdam, Neth.	Rice	3,000
Mostum <sup>2</sup>	6	6	Nor.	M. Mosvold.	Los Angeles, Cal.	Liverpool, Eng.	Oranges	2,000
Kearsage <sup>13</sup>	6	10	Amer.	U. S. Navy	Bremerton, Wash.	New York, N. Y.		
Kingsfisher <sup>2</sup>	6	7	Amer.	U. S. Navy	Bremerton, Wash.	Gatun, C. Z.		
Svealand <sup>2</sup>	6	7	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,300
Sirius	6	10	Amer.	U. S. Navy	Everett, Wash.	New York, N. Y.	Lumber, gen.	1,482
Woodcock <sup>4</sup>	7	10	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Ewa	6	7	Amer.	Matson Nav. Co.	Hilo, T. H.	New Orleans, La.	Sugar, gen.	7,690
Alkmaar	6	7	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	10,212
R. J. Hanna <sup>1</sup>	6	7	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Baltimore, Md.	Asphalt	9,847
Norbryn <sup>2</sup>	7	7	Nor.	Seaboard Ship. Co.	Pt. Alberni, B. C.	London, England	Lumber, gen.	7,508
Santa Barbara <sup>2</sup>	7	7	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	4,802
Real <sup>2</sup>	7	8	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	37
Sona <sup>2</sup>	7	8	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	34
Frank <sup>2</sup>	7	10	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	30
La Union <sup>2</sup>	7	8	Pan.	A. A. Valdes	Bayano, R. P.	Cristobal, C. Z.	Bananas	19
Tuira <sup>2</sup>	7	8	Pan.	J. Laffarge	Darien, R. P.	Cristobal, C. Z.	Bananas	60
Salvador	7	7	Brit.	Pacific Steam Nav. Co.	Champ'co, Guat.	Cristobal, C. Z.	Coffee, gen.	955
Canadian Challenger	6	7	Brit.	Mont.-Aust.-N. Z. Line	Sydney, Australia	Montreal, Canada	General	2,095
San Clemente	7	7	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,561
Salacia <sup>2</sup>	7	8	Brit.	Donaldson Bros.	Vancouver, B. C.	Glasgow, Scotland	Fruit, gen.	7,192
Samuel Bakke <sup>2</sup>	7	7	Nor.	Knut Knudsen	Vancouver, B. C.	Belfast, Ireland	General	7,330
Pacific Enterprise <sup>2</sup>	7	7	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Glasgow, Scotland	General	9,126
Sambu <sup>2</sup>	7	8	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	49
Lochmonar <sup>2</sup>	8	9	Brit.	Royal Mail Lines	Vancouver, B. C.	Rotterdam, Neth.	General	10,025
Panamian	8	8	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	6,116
Westmoreland	8	8	Brit.	Fed. Steam Nav. Co.	Wellington, N. Z.	London, England	Refriger., gen.	4,931
Cornish City <sup>2</sup>	8	8	Brit.	Readon-Smith Line	Rashin, Korea	Karlshamn, Swed.	Soy beans	9,130
Everleigh	8	8	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Liverpool, Eng.	Lumber	8,227
Fernmoor <sup>2</sup>	8	8	Nor.	Fern Line	Manila, P. I.	New York, N. Y.	( <sup>16</sup> )	7,500
Vinland <sup>2</sup>	8	8	Nor.	Seand.-So. Pac. Line.	Valparaiso, Chile	London, England	General	6,929
Darien	8	8	Pan.	United Fruit Co.	Pto. Arm'les, R. P.	Boston, Mass.	Bananas	1,009
Daylight <sup>1</sup> <sup>2</sup>	8	8	Amer.	Socony-Vac. Oil Co.	Los Angeles, Cal.	Providence, R. I.	Gasoline	13,307
Astra	8	9	Nor.	Stray Christiansen	Guayaquil, Ecua.	Pt. Royal, Jam.	Ballast	
Laila	8	9	Dan.	Wessel, Duval & Co.	Valparaiso, Chile	New York, N. Y.	General	2,237
Minerva	8	9	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile	Savannah, Ga.	Nit. of soda	8,420
Wildwood	8	9	Amer.	Amer.-For. S. S. Corp.	Tacoma, Wash.	New York, N. Y.	Lumber	7,000
Bogota <sup>2</sup>	9	9	Ger.	North German Lloyd	Guayaquil, Ecua.	Cristobal, C. Z.	General	1,251
Dessau	8	9	Ger.	North German Lloyd	Wellington, N. Z.	New York, N. Y.	( <sup>16</sup> )	6,873
Penmar	9	9	Amer.	Calmar Line	Seattle, Wash.	Baltimore, Md.	Lum., copper	5,771
Kabuku	9	9	Amer.	Matson Nav. Co.	Kahului, T. H.	New York, N. Y.	( <sup>17</sup> )	7,200
Arawa	8	9	Brit.	Shaw, Savill & Albion	Wellington, N. Z.	S'hampton, Eng.	Frozen, gen.	5,000
Oklahoman	9	10	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	( <sup>18</sup> )	7,584
Chilore	10	10	Amer.	Ore S.S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,000
Port Hunter	9	10	Brit.	Port Line	Wellington, N. Z.	London, England	Frozen, gen.	6,084
Casargo V <sup>2</sup>	10	10	Brit.	M. C. Rice	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Marisa <sup>1</sup> <sup>2</sup>	9	10	Neth.	Shell Oil Co.	Los Angeles, Cal.	Lands End, Eng. <sup>14</sup>	Gasoline	11,719
Cape Horn <sup>2</sup>	10	10	Brit.	Anglo-Can. S. S. Co.	Brit. Columbia	Antwerp, Belgium	( <sup>19</sup> )	9,700
Istmo	10	10	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	718
Nero <sup>2</sup>	10	10	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee, hides	408
Pellicula <sup>1</sup> <sup>2</sup>	9	10	Brit.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N. W. I.	Gas oil	8,697
Port Denison	10	10	Brit.	Port Line	Lyttelton, N. Z.	London, England	Frozen, gen.	7,218
Robert Luckenbach	10	10	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	8,521
Kano Maru <sup>2</sup>	10	10	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	New York, N. Y.	General	4,775
Ino <sup>2</sup>	10	10	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	353
Barbara <sup>2</sup>	10	10	Pan.	Eduardo Navarette	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Trondanger <sup>2</sup>	10	10	Nor.	Interoceanic Line	Portland, Oreg.	Rotterdam, Neth.	Grain, gen.	8,670

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>4</sup> Tug. <sup>13</sup> Crane boat. <sup>14</sup> For orders. <sup>15</sup> Plantains, lumber. <sup>16</sup> Chrome ore, general. <sup>17</sup> Canned pines, sugar. <sup>18</sup> Zinc concentrates, general. <sup>19</sup> Zinc concentrates, lumber.



# THE PANAMA CANAL RECORD

OFFICIAL PUBLICATION OF THE PANAMA CANAL  
PUBLISHED MONTHLY

Subscription rates, domestic, \$0.50 per year; foreign, \$1.00; address  
The Panama Canal Record, Balboa Heights, Canal Zone,  
or, for United States and foreign distribution,  
The Panama Canal, Washington, D. C.

Entered as second-class matter February 6, 1918, at the Post Office  
at Cristobal, C. Z., under the Act of March 3, 1879.

*Certificate.*—By direction of the Governor of the Panama Canal the matter contained herein is published as statistical information and is required for the proper transaction of the public business.

Volume XXXI

Balboa Heights, C. Z., July 15, 1938

No. 12

## Traffic Through the Panama Canal in June 1938

The total vessels of all kinds transiting the Panama Canal during the month of June 1938, and for the same month in the two preceding years, are shown in the following tabulation:

	June 1936	June 1937	June 1938		
			Atlantic to Pacific	Pacific to Atlantic	Total
Ocean-going commercial vessels.....	481	472	231	214	445
Small commercial vessels <sup>1</sup> .....	56	79	57	36	93
Noncommercial vessels:					
United States Government.....	34	41	18	14	32
Panamanian Government.....				1	1
For repairs.....		3			
<b>Total.....</b>	<b>571</b>	<b>595</b>	<b>306</b>	<b>265</b>	<b>571</b>

<sup>1</sup> Vessels under 300 net tons, Panama Canal measurement.

## OCEAN-GOING COMMERCIAL TRAFFIC<sup>2</sup>

The following tabulation shows the number of vessels, Panama Canal net tonnage, tons of cargo carried, and tolls collected from the ocean traffic transiting the Canal each month of the fiscal year ended June 30, 1938, as compared with the fiscal year ended June 30, 1937:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8
July.....	456	457	2,364,539	2,395,306	2,450,324	2,476,366	\$1,999,105.18	\$2,029,642.45
August.....	473	505	2,398,306	2,597,119	2,396,331	2,780,603	2,051,540.28	2,195,308.87
September.....	466	444	2,428,317	2,312,725	2,526,366	2,385,142	2,045,440.82	1,935,673.78
October.....	482	461	2,499,678	2,359,406	2,463,069	2,438,788	2,081,758.23	1,981,087.87
November.....	368	435	1,788,738	2,280,565	1,747,368	2,185,283	1,488,054.25	1,893,462.00
December.....	341	439	1,655,501	2,238,271	1,538,503	2,046,170	1,366,388.58	1,845,048.20
January.....	399	444	1,915,787	2,219,496	1,855,937	2,095,402	1,598,323.51	1,837,894.72
February.....	377	436	1,940,611	2,154,222	1,839,788	1,998,827	1,602,306.30	1,736,611.45
March.....	536	506	2,770,451	2,511,674	3,016,418	2,268,548	2,355,149.04	2,015,585.34
April.....	473	487	2,460,549	2,438,985	2,652,880	2,279,235	2,067,026.68	1,961,456.58
May.....	544	465	2,839,127	2,322,642	2,950,925	2,309,171	2,376,706.36	1,886,825.66
June.....	472	445	2,450,018	2,227,698	2,670,466	2,122,389	2,070,337.69	1,801,291.78
<b>Total... 5,387</b>	<b>5,524</b>	<b>27,491,622</b>	<b>28,058,109</b>	<b>28,108,375</b>	<b>27,385,924</b>	<b>23,102,137.12</b>	<b>23,169,888.70</b>	

<sup>2</sup> Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

<sup>3</sup> These figures indicate the Panama Canal net tonnage as determined under the rules of measurement in effect prior to March 1, 1938. The Panama Canal net tonnage for these four months as determined under the rules now in effect was as follows: March 1938, 2,311,526; April 1938, 2,258,836; May 1938, 2,150,228; June 1938, 2,064,793.

## SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 net tons (Panama Canal measurement), which transited the Panama Canal during the month of June 1938. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	<sup>4</sup> Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	57	1,948	\$1,553.40	859
Pacific to Atlantic.....	36	1,354	1,210.50	1,716
<b>Total.....</b>	<b>93</b>	<b>3,302</b>	<b>2,763.90</b>	<b>2,575</b>

<sup>4</sup> As measured under the present Panama Canal rules.



## Traffic by Nationality of Vessels for June 1938

Nationality	No. of transits	<sup>e</sup> Panama Canal net tonnage	Tolls	Tons of cargo
British.....	7 115	619,893	\$545,155.30	577,156
Chilean.....	1	5,011	4,509.90	389
Danish.....	17	55,455	48,134.16	58,215
French.....	4	20,900	18,810.00	17,830
German.....	30	115,026	102,032.28	123,512
Greek.....	4	18,004	15,384.24	24,209
Italian.....	5	28,299	24,668.46	12,677
Japanese.....	25	160,635	139,459.32	109,976
Latvian.....	1	2,738	1,971.36	.....
Netherland.....	26	69,988	60,761.34	64,478
Norwegian.....	56	238,213	204,300.18	273,197
Panamanian.....	17	35,029	29,616.84	44,043
Peruvian.....	1	2,259	2,033.10	1,995
Philippine.....	1	5,025	4,522.50	8,441
Swedish.....	13	60,772	51,601.86	96,674
United States.....	128	625,681	546,652.44	705,543
Union of Soviet Socialist Republics.....	1	1,865	1,678.50	1,054
Total.....	445	2,064,793	1,801,291.78	2,122,389

<sup>b</sup> Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

<sup>c</sup> As measured under the present Panama Canal rules.

<sup>d</sup> Includes 1 naval ship of 10,100 displacement tons.

## Traffic by Trade Routes for June 1938

The movement of vessels over trade routes is summarized in the following table. The trade routes are classified according to primary origin and ultimate destination of the voyage through the Canal and the cargo listed is the total aboard at the time of transit. Cargo may be laden or discharged between the terminal areas indicated; hence in the cargo listed below there may be some which had other origin or destination:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	<sup>b</sup> Panama Canal net tonnage	Tons of cargo	No. of ships	<sup>b</sup> Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	44	222,849	164,944	38	188,225	288,221
East coast United States and:						
Canada.....	5	24,010	2,250	2	10,160	17,929
Central America.....	4	11,002	.....	4	11,244	5,314
South America.....	17	72,920	15,304	19	77,592	204,945
Hawaiian Islands.....	3	15,312	7,564	5	24,388	38,528
Australasia.....	8	39,681	49,074	1	4,580	6,873
Philippine Islands.....	9	46,085	40,124	18	97,940	109,390
Far East.....	25	119,969	172,899	1	6,285	2,091
Canada intercoastal.....	3	15,550	10,954	1	4,621	6,769
East coast Canada and:						
United States.....	1	2,965	6,262	.....	.....	.....
Australasia.....	5	28,551	30,158	3	13,590	15,632
Far East.....	1	6,127	5,544	1	6,071	3,175
South America.....	.....	.....	.....	1	4,359	7,522
South American intercoastal.....	3	8,764	14,847	1	975	1,024
East coast South America and:						
United States.....	1	5,761	.....	.....	.....	.....
Canada.....	2	8,986	6,022	1	4,525	8,067
Far East.....	2	10,303	10,258	2	11,138	3,045
Cristobal and:						
Central America.....	5	3,223	2,817	5	3,256	3,590
South America.....	16	8,933	3,907	17	9,385	11,852
West Indies and:						
United States.....	1	4,497	.....	5	26,242	52,868
South America.....	.....	.....	.....	2	7,513	10,792
Europe and:						
United States.....	16	68,086	5,706	13	56,905	91,871
Canada.....	23	122,347	27,937	30	155,013	239,171
Central America.....	1	3,221	2,167	2	3,797	3,903
West coast South America.....	18	101,800	39,225	20	109,833	179,250
Australasia.....	11	76,294	39,646	17	124,178	109,148
Far East.....	2	28,401	.....	3	15,851	24,641
Egypt and South America.....	1	3,766	.....	1	5,257	9,150
Around the world.....	1	7,497	3,611	1	5,919	6,378
Foreign vessels in ballast (United States intercoastal).....	2	9,051	.....	.....	.....	.....
Vessels not engaged in commerce.....	<sup>d</sup> 1	.....	.....	.....	.....	.....
Total.....	231	1,075,951	661,250	214	988,842	1,461,139

<sup>b</sup> As measured under the present Panama Canal rules.

<sup>c</sup> Cruiser.

### Origin and Destination of Cargo by Major Areas

The following table summarizes the origin of cargo passing through the Canal in June 1938, and its destination by major geographical trade areas:

#### ATLANTIC TO PACIFIC

Origin	Tons of cargo destined for—					Total
	United States	Other North America	Asia	South America	Australasia	
North America:						
United States.....	167,389	13,133	212,418	14,604	55,751	463,295
Other North America.....	10,345	11,858	3,789	14,911	23,618	64,521
Europe.....	20,113	12,037	9	28,925	38,437	99,521
Miscellaneous.....	8,222	1,113	8,979	14,497	1,102	33,913
Total.....	206,069	38,141	225,195	72,937	118,908	661,250

#### PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	285,429	58,151	188,149	11,016	542,745
Canada.....	20,129	12,671	136,642	849	170,291
Other North America.....	44,492	4,076	4,132		52,700
South America.....	201,441	35,996	177,818	9,280	424,535
Australasia.....	13,606	9,032	109,015		131,653
Asia.....	114,877	2,485	20,995	858	139,213
Total.....	679,974	122,411	636,751	22,003	1,461,139

### Principal Commodities

Commodities in transit through the Canal which aggregated 10,000 or more tons either during June 1938 or June 1937 are listed below:

Commodity	June		Commodity	June	
	1937	1938		1937	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Asbestos.....	10,570	8,549	Beans, edible, dry.....	8,284	10,414
Automobiles and parts.....	28,723	17,555	Canned goods, various.....	69,493	53,483
Canned goods, various.....	15,476	7,064	Coffee.....	14,687	16,838
Cement.....	24,049	10,334	Cold storage (food products) <sup>10</sup> .....	15,596	52,293
Chemicals.....	13,154	8,069	Copra.....	13,757	14,128
Coal and coke.....	14,285	10,203	Cotton, raw.....	13,389	7,953
Cotton, raw.....	5,683	11,360	Flour.....	33,797	12,312
Iron and steel.....	257,013	111,908	Fruit, dried.....	12,749	21,835
Machinery.....	15,047	12,139	Fruit, fresh <sup>11</sup> .....	7,487	32,821
Manufactured goods.....	13,927	18,938	Lumber.....	321,291	225,821
Metals, various.....	73,635	34,630	Metals, various.....	63,895	60,783
Molasses and syrups.....	14,130	268	Molasses and syrups.....	15,311	700
Oils, mineral.....	61,092	44,164	Nitrates.....	77,006	80,946
Ores.....	4,438	11,994	Oats.....	13,090	6,054
Paper.....	42,004	36,869	Oils, mineral.....	222,002	270,516
Phosphates.....	9,708	13,788	Oils, vegetable.....	21,300	14,578
Scrap metal.....	282,564	93,306	Ores.....	185,776	189,628
Sugar.....	15,969	4,674	Paper.....	42,004	11,963
Sulphur.....	19,503	33,479	Soy beans.....	9,009	13,155
Timplate.....	31,089	25,418	Sugar.....	110,807	136,824
Wood pulp.....	12,706	2,598	Wheat.....	62,913	42,198
<i>Pacific to Atlantic</i>			Wood pulp.....	20,106	18,418
Asphalt and tar.....	11,270	13,579	Wool.....	10,529	20,567
Barley.....	5,824	28,758			

<sup>10</sup> Does not include fresh fruit.<sup>11</sup> Does not include bananas.

### Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of June 1938, as reported in the cargo declarations showing the movement, by directions, in the United States intercoastal trade and in the total traffic. In the cargo declarations, from which these commodity statistics are compiled, small items

are frequently grouped under the designation of "general cargo"; the statistics accordingly are not precise but are indicative of the kinds and quantity of cargo in transit through the Canal. The figures are for tons of 2,240 pounds:

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Aircraft and parts.....			102	117
Agricultural implements.....	410	54	4,424	66
Alfalfa meal.....		176		561
Ammonium compounds.....	162		2,998	4
Apparel, wearing (hats, shoes, clothing, etc.).....	23		25	8
Asbestos.....	585		8,549	7
Asphalt and tar.....	147	9,847	3,067	18,579
Automobiles (and autotrucks).....	1,601	31	9,942	78
Automobile parts and accessories.....	411	2	7,613	14
Bags and bagging, textile.....	186	67	304	67
Bamboo and products.....		2		175
Bananas.....				6,819
Barks, miscellaneous.....		16	5	433
Barley.....		1		28,758
Beans, edible, dry.....		2,882	171	10,414
Beer.....	134		270	
Beverages, nonalcoholic.....	99		140	
Blood and tankage.....			39	133
Bones and bone-meal.....		20	624	20
Books and printed matter.....	53		60	11
Borax.....		473	10	4,626
Bran and pollards.....				1,537
Bricks and tile.....	348		821	
Canned and preserved goods:				
Fish.....	421	8,341	610	12,786
Fruit.....	684	16,583	722	30,324
Meat.....	56		958	418
Milk.....	40	30	394	127
Soup.....	1,676		1,765	226
Vegetables.....	584	6,365	603	6,738
Miscellaneous and unclassified.....	1,086	2,755	2,012	2,864
Carbon black.....			527	
Celite.....		720		720
Cement.....	506		10,334	18
Chalk.....			103	
Charcoal.....	108		148	
Chemicals <sup>12</sup> .....	3,270	1,013	8,069	1,246
Clay, china and fire.....	760	194	1,030	339
Coal.....	2,345		4,099	
Cocoa and cacao beans.....	347	3	860	2,860
Coconuts and products <sup>12</sup> .....	5	1,504	25	4,076
Coffee.....	288	44	6,345	16,838
Coke.....			6,104	
Cold storage and refrigerated products:				
Dairy products.....			238	21,014
Eggs.....		62		321
Fish.....			10	290
Lard.....	258		338	151
Meats.....	25	38	304	30,268
Poultry.....		102	3	129
Vegetables.....				120
Other and unclassified.....	46		73	
Confectionery.....	654	9	680	9
Copra.....				13,213
Copra meal and cake.....				915
Corn.....				2
Cotton, raw.....	15	782	11,360	7,953
Creosote.....	57		57	
Drugs and medicines.....	1,624	92	2,109	159
Dyes.....			373	4
Earthenware.....		14	52	321
Eggs, dried.....	30		30	
Electrical apparatus and appliances.....	869	156	1,832	235
Enamelware and metalware.....	371		389	66
Explosives.....	138		482	44
Extract, quebracho.....			605	
Fertilizers <sup>12</sup> .....		39	159	370
Floor coverings.....	1,689	1,595	1,826	1,776
Flour.....	181	8,929	1,052	12,312
Fruit, dried.....		7,588		21,835
Fruit, fresh <sup>12</sup> .....				12
Furniture and household goods.....	225	189	274	32,832
General.....	15,211	3,887	41,676	10,423
Glass and glassware.....	1,625	53	3,670	289
Glue.....	86	15	103	75

<sup>12</sup> Except as otherwise classified.

Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Grains, unclassified.....	135		135	
Groceries.....	1,014	401	1,523	920
Gums.....	12	31	17	310
Hair, all kinds.....	40	93	44	151
Hay.....		84		311
Hemp, unmanufactured.....	42		54	1,363
Honey.....		241		512
Infusorial earth.....		500		887
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.).....	47,865	95	111,908	721
Ivory nuts.....		24	70	1,528
Jute, unmanufactured.....	4		25	
Lard substitute.....	684		684	
Lime.....			83	31
Liquors.....	4,122	295	5,282	301
Lumber (including manufactured mill products).....	1,333	78,714	4,609	225,821
Machinery.....	2,082	355	12,139	469
Malt.....			378	102
Manufactured goods <sup>12</sup> .....	6,108	584	18,938	2,616
Marble and granite.....	20		249	
Matches.....	252	104	319	104
Metals:				
Copper.....	50	4,540	1,163	37,757
Gold and silver.....				243
Iron.....	194		29,690	
Lead.....		1,039	2,130	15,343
Tin.....	66	53	704	1,130
Zinc.....	91		516	6,270
Other and unclassified.....	303	27	427	40
Milk, powdered.....	6	709	6	1,359
Molasses and syrups.....	183		268	700
Nitrates.....	1,700		2,325	80,946
Nuts, edible (including meats).....		361	319	681
Oats.....	40	200	40	6,054
Oils, mineral:				
Crude.....	13	20,401	23	64,996
Gas and fuel.....	11,013		23,399	49,518
Gasoline, benzine, and naphtha.....		42,556	1,183	154,425
Kerosene.....			50	
Lubricating and greases.....	6,106	1,265	19,500	1,577
Other and unclassified.....			9	
Oils, vegetable:				10,692
Coconut.....				
Cottonseed.....	44		1,293	
Linsced.....			110	
Olive.....	33		464	
Rapeseed.....		38		38
Teaseed.....				49
Wood.....	60	18	76	1,964
Other and unclassified.....	106	64	433	1,835
Oil, fish.....		445	82	1,945
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.).....			656	260
Oilseed cake and meal.....	741		741	3,152
Ores:				
Antimony.....				1,396
Chrome.....				17,000
Copper.....			7,454	5,417
Gold and silver.....			1,700	350
Iron.....				132,350
Lead.....				4,995
Magnesite.....		256	807	256
Manganese.....	61		116	7,253
Tin.....				3,066
Zinc.....			5	14,814
Other and unclassified.....		34	1,912	2,731
Paints and varnishes.....	1,281	194	2,462	336
Paper and paper products <sup>12</sup> .....	9,156	3,211	36,869	11,963
Peanuts.....	544		544	341
Peas, dry.....		30		1,326
Peatmoss.....			316	
Phosphates.....	739		13,788	7,500
Plaster.....			273	
Porcelainware.....	247	87	621	1,641
Potash.....		514	62	514
Pyrethrum flowers.....				5
Rags and waste.....	166	111	291	150
Railroad material.....	200		2,871	
Rice.....	729	112	1,229	4,114
Rope and twine.....	75		1,171	35
Rosin.....	2,179	38	2,802	38

<sup>12</sup> Except as otherwise classified.



Commodity	United States intercoastal		Total for all trade routes including U. S. intercoastal	
	Atlantic to Pacific	Pacific to Atlantic	Atlantic to Pacific	Pacific to Atlantic
Rubber:				
Manufactured.....	1,109	187	1,537	201
Raw.....			20	3,125
Scrap.....		1	274	44
Salt.....	252		3,213	
Sand.....			1,887	
Scrap metal.....	408	235	93,306	978
Seeds (except oilseeds).....	6	66	212	753
Shells, oyster.....	844		844*	246
Silk, raw.....		189		2,132
Skins and hides.....		1,537	751	4,921
Slag.....			800	562
Slate.....	1,279		1,279	
Soaps and products.....	1,684	145	1,790	334
Soda and sodium compounds:				
Soda ash.....	223		2,765	1,734
Soda, caustic.....	369		1,940	
Miscellaneous and unclassified.....	359		1,028	55
Soy beans.....	170		220	13,155
Sugar.....	80	25,497	4,674	136,824
Sulphur.....	3,050	55	33,479	161
Talc.....		43		685
Tallow.....	100	502	139	5,828
Tea.....	41	21	63	278
Textiles <sup>13</sup> .....	4,193	62	7,520	1,493
Tinplate.....	12,682	80	25,418	220
Tobacco and manufactures.....	431	63	3,354	194
Toilet preparations.....	33		47	
Turpentine.....	221		550	
Vegetables, dry <sup>12</sup> .....		99	15	640
Wallboard.....	83		483	1,341
Wax, paraffin.....	94		1,039	43
Wheat.....		34		42,198
Wines.....	125	958	591	1,968
Wood pulp.....	212	16,358	2,598	18,418
Wool.....	63	6,800	436	20,567
Total, June 1938.....	167,389	285,429	661,250	1,461,139
Total, June 1937.....	329,393	386,005	1,168,490	1,501,976
Total, June 1936.....	259,106	437,896	821,420	1,638,332

<sup>12</sup> Except as otherwise classified.<sup>13</sup> Cotton, silk, wool, rayon goods.

### Tanker Traffic

The following tabulation shows the tanker traffic through the Canal during the month of June 1938, classified according to trade routes:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	<sup>14</sup> Panama Canal net tonnage	Tons of cargo	No. of ships	<sup>14</sup> Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	8	47,529	10,998	6	35,686	<sup>15</sup> 72,792
East coast Canada and South America.....				1	4,359	7,522
East coast South America and United States.....	1	5,761				
South American intercoastal.....	1	5,513	12,100			
West Indies and:						
United States.....	1	4,497		5	26,242	52,868
South America.....				1	5,900	10,792
Europe and:						
United States.....	4	24,876		6	34,200	<sup>16</sup> 66,392
South America.....	4	26,033		6	36,817	76,839
Total.....	19	114,209	23,098	25	143,204	287,205

<sup>14</sup> As measured under the present Panama Canal rules.<sup>15</sup> Includes 9,847 tons of asphalt. <sup>16</sup> Includes 8,541 tons of asphalt.

### Comparison of Canal Traffic in June 1938, with June Traffic in Previous Years

(Ocean-going commercial vessels of 300 or more net tons, Panama Canal measurement)

Calendar year	Month of June			Fiscal year	Average per month for fiscal year		
	No. of transits	Panama Canal net tonnage	Tons of cargo		No. of transits	Panama Canal net tonnage	Tons of cargo
1915.....	17 140	498	567	1915.....	18 100	(000 omitted) 361	(000 omitted) 466
1916.....	120	381	453	1916.....	60	199	258
1917.....	165	528	630	1917.....	145	483	588
1918.....	166	574	629	1918.....	165	547	627
1919.....	154	517	586	1919.....	162	510	576
1920.....	190	704	834	1920.....	199	712	781
1921.....	189	761	695	1921.....	232	950	966
1922.....	222	970	977	1922.....	222	951	907
1923.....	412	2,036	2,096	1923.....	325	1,550	1,631
1924.....	374	1,927	2,023	1924.....	429	2,179	2,249
1925.....	365	1,753	1,920	1925.....	382	1,904	1,996
1926.....	401	1,988	2,133	1926.....	424	2,064	2,169
1927.....	433	2,151	2,228	1927.....	441	2,184	2,311
1928.....	473	2,227	2,139	1928.....	521	2,453	2,468
1929.....	494	2,351	2,423	1929.....	524	2,485	2,554
1930.....	468	2,357	2,147	1930.....	502	2,497	2,502
1931.....	384	2,057	1,757	1931.....	447	2,314	2,089
1932.....	318	1,742	1,404	1932.....	364	1,968	1,650
1933.....	341	1,900	1,690	1933.....	347	1,900	1,513
1934.....	366	2,018	1,767	1934.....	436	2,379	2,059
1935.....	405	2,134	2,081	1935.....	432	2,317	2,109
1936.....	481	2,449	2,460	1936.....	449	2,335	2,209
1937.....	472	2,450	2,670	1937.....	449	2,291	2,342
1938.....	445	<sup>17</sup> 2,228	2,122	1938.....	460	<sup>19</sup> 2,338	2,252

<sup>17</sup> Canal opened August 15, 1914. <sup>18</sup> Average for 10½ months. <sup>19</sup> As measured by the Panama Canal rules in effect prior to March 1, 1938.

### Terminal Activities

Ships which completed repairs during the month of June 1938 numbered 59. Vessels released from drydock numbered 13. Fuel and Diesel oil in the quantity of 229,836 barrels was delivered as bunkers to 116 commercial ships. Bunker coal amounting to 10,404 tons was delivered to 24 commercial ships. Sales of commissary supplies to ships aggregated \$42,272.06.

### Cargo Handled at Terminal Ports, June 1938

	Cristobal	Balboa	Total
Local cargo arriving..... tons..	19,832	8,765	28,597
Local cargo shipped..... tons..	2,830	462	3,292
Cargo received for transshipment..... tons..	49,191	467	49,658
Cargo transhipped..... tons..	46,529	588	47,117
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	4	1	5
Number of releases issued.....	11	14	25
Tons received.....	21	2	23
Tons withdrawn.....	6	7	13

### All Vessels Entering and Clearing Port, June 1938

	Port of Cristobal			Port of Balboa		
	No. of ships	Registered gross tonnage	Registered net tonnage	No. of ships	Registered gross tonnage	Registered net tonnage
<i>Ships entering</i>						
All vessels, including those transiting Canal..	503	3,016,207	1,820,490	468	2,711,724	1,644,899
Vessels entering port but not transiting Canal..	59	334,873	187,177	10	31,065	19,498
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	147	813,971	483,331	102	597,862	357,728
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	502	3,024,701	1,827,734	474	2,741,272	1,660,587
Vessels clearing port but not transiting Canal..	55	306,625	173,955	10	31,065	19,498
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	147	835,454	497,678	104	616,286	368,478

### Cargo Discharged and Laden at Terminal Ports

The following is a report of tons of cargo discharged and/or laden at Cristobal and Balboa during the month from midnight June 10, 1938, to midnight July 10, 1938. Figures after names of vessels show, respectively, tons discharged and tons laden:

#### CRISTOBAL

Durazzo, 0, 11	Guayaquil, 1,490, 653	Tai Ping Yang, 855, 0	Bretagne, 87, 0	San Jose, 404, 306
Chiriqui, 126, 43	Istmo, 801, 308	Cerigo, 1,296, 0	Santa Maria, 399, 1	Caribia, 5 pkgs., 400
Lysefjord, 4, 324	Pereira, 847, 517	Istmo, 777, 233	Pastores, 509, 0	Weser, 431, 166
Crynssen, 32, 797	Colombia, 85, 39	Durazzo, 11, 392	Oregon, 210, 0	Smaragd, 0, 1,600
Recorder, 239, 0	Ino, 524, 72	Pasajero, 29, 0	Bogota, 1,108, 0	Nankai Maru, 0, 57
Poseidon, 26, 109	Virgilio, 8, 204	Patricia, 40, 232	Istmo, 809, 0	Tosan Maru, 191, 111
Balboa, 77, 139	Ulua, 740, 327	Santa Marta, 601, 73	Chiriqui, 439, 0	Cefalu, 500, 778
Kronprinsessan Mar- gareta, 0, 647	Hokuroku Maru, 189, 357	Phoenicia, 16, 662½	Smaragd, 959, 0	Alaska, 1,090, 12
Ruth Lykes, 1,051, 311	Tsuyama Maru, 70, 0	Rialto, 77, 220	Pastores, 0, 12	West Ivis, 877, 79
Orbita, 115, 123	Skjoldbred, 261, 0	Noto Maru, 218, 0	Chiriqui, 0, 1,024	Perciles, 281, 4
Colombie, 64, 378	Muenchen, 47, 530	Nero, 548, 73	Bretagne, 0, 607	Nuevo Panama, 0, 346
San Anselmo, 428, 7	Chilean Reefer, 50, 0	Munsterland, 17, 20	Oregon, 0, 626	Sambu, 0, 253
John Bakke, 0, 531	Macabi, 65, 0	Colombia, 17, 1,050	Bogota, 0, 290	Ancon, 2,983, 897
Trois Ilets, 378, 0	Amasis, 44, 286	Kunikawa Maru, 530, 105	Bodegraven, 0, 51	Portland, 252, 232
Sta. Rita, 190, 2 boxes	Santa Paula, 519, 4	Orazio, 134, 46	San Francisco, 144, 284	Platano, 440, 23
Santa Rosa, 155, 112	Talamanca, 136, 128	Tacoma, 295, 433	Steele, 10,132, 0	Breda, 122, 1,764
Erria, ¼, 48	Yamakaze Maru, 181, 0	Laguna, 130, 1 pkg.	Santa Rita, 505, 441½	Salvador, 862, 731
Seattle, 99, 212	Mantilla, 3,830, 0	Margaret Lykes, 1,455, 438	Toloo, 643, 682	Bogota, 28, 311
Troja, 216, 263	Marore, 10,135, 0	Port Antonio, 5, 587	Ino, 346, 73	Suecia, 0, 11
Colombie, 2, 230	Nuevo Panama, 0, 76	Clio, 584, 33	Buenaventura, 1,735, 310	Valparaiso, 4, 524
Fulda, 36, 678	Santa Lucia, 294, 3	Darian, 226, 37	Itauri, 300, 176	Santa Lucia, 448, 113
Contessa, 366, 663	San Mateo, 321, 168	Quirigua, 112, 279	Marchen Maersk, 689, 0	San Bernardino, 1,594, 5
Real, 0, 19	Cefalu, 314, 797	Santa Elena, 323, 2	Cerigo, 670, 224	Talamanca, 234, 643
Abraham Lincoln, 25, 532	Chisone, 261, 13	Caribia, 490, 19	Istmo, 0, 153	Osnabruck, 67, 634
Magister, 1,215, 56	Acajutla, 456, 503	Margaret Johnson, 79, 437	Nako Maru, 210, 0	Clio, 250, 0
Firmore, 12,216, 0	Sanyo Maru, 27, 0	Kiyosumi Maru, 274, 0	Mantilla, 4,875, 0	Skramstad, 100, 0
Lysefjord, 0, 107	Platano, 712, 939	Contessa, 491, 833	Reina del Pacifico, 50, 830	Governor, 143, 0
Santa Clara, 69, 5	Silverplam, 341, 0	City of Glasgow, 292, 337	Gertrude Maersk, 0, 125	Manizales, 548, 187
Anhalt, 0, 10	San Angelo, 221, 256	Sambu, 0, 57	Dusseldorf, 217, 260	Fella, 214, 307
Jamaica, 479, 1,258	Cristobal, 3,155, 762	Chilore, 10,933, 0	Jamaica, 39, 192	Perciles, 281, 772
Oropesa, 34, 391	Sta. Barbara, 410, 111	Benjamin Franklin, 6, 439	Santa Inez, 56, 0	Nero, 594, 34
Rhakotis, 216, 220	Losada, 4, 352	Annie Johnson, 27, 19	Santa Rosa, 84, 12	Istmo, 1,257, 222
Drechttdijk, 383, 40	Katuragi Maru, 113, 0		Orduña, 261, 60	Ruth Lykes, 661, 178
Manizales, 1,285, 684	Veragua, 429, 953		Narenta, 210, 460	West Camargo, 54, 102
Clio, 226, 274	Nuernberg, 125, 835			
	Barneveld, 618, 408			

#### BALBOA

Chiriqui, 331, 0	Republic, 785, 2	Tai Ping Yang, 313, 0	Marchen Maersk, 251, 0	Rotorua, 20, 0
African Reefer, 0, 142	Munchehen, 48, 3	Patricia, 57, 41	Bokuyo Maru, 64, 10	Fella, 256, 0
Floreana, 225, 0	D.G.Schofield, 10,998, 0	President Adams, 20, 0	Santa Rita, 187, 10	Santa Lucia, 170, 1
Balboa, 0, 331	Santa Lucia, 16, 2	St. Mihiel, 309, 108	Kaldfonn, 5,540, 0	Montecristi, 103, 0
Salvador, 0, 2	Thorstrand, 0, 75	Abangarez, 0, 1	Regulus, 14,259, 0	K.R.Kingsbury, 11,041, K.
Abraham Lincoln, 515, 0	Pereira, 0, 1	Benjamin Franklin, 0, 69	Ludington, 229, 5	
John Bakke, 1,796, 0	Acajutla, 1, 0	Chateau Thierry, 902, 725	Narenta, 0, 69	
Santa Clara, 195, 20	Norfolk Maru, 133, 0		Salvador, 3, 0	
	Santa Barbara, 102, 6		Geisha, 72, 0	

NOTE.—Figures shown represent short tons of 2,000 pounds.

### Passengers

Ocean ship passengers disembarking at Canal ports during June 1938 numbered 2,576 at Cristobal and 1,137 at Balboa; embarking 1,968 at Cristobal and 674 at Balboa. Passengers passing through the Canal numbered 4,029 from the Atlantic to the Pacific, and 2,155 from the Pacific to the Atlantic. Aircraft numbering 54 entered Cristobal and 218 passengers disembarked; clearances were 55, with 221 passengers embarking. At Balboa, entries of aircraft numbered 41, with 91 passengers disembarking; clearances were 41, with 89 passengers embarking.

### Current Net Prices on Fuel Oil and Diesel Oil

Bunker fuel oil is delivered to vessels at either Cristobal or Balboa, from the tanks of the Panama Canal. Prices will be furnished on application.

Bunker fuel oil and Diesel oil are also sold by private companies with tanks at the Canal terminals, at prices which will be quoted by them on application. The prices at present are as follows: Fuel oil, \$0.95 per barrel at Cristobal and Balboa; Diesel oil, \$1.75 per barrel at Cristobal and Balboa.

Movements of Ocean Vessels Through the Panama Canal

From midnight June 10, 1938, to midnight July 10, 1938

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Damsterdijk 2...	10 11	11	Neth.	Holland-Amer. Line..	Rotterdam, Neth.	Vancouver, B. C.	General....	3, 630
Tropic Sea 2...	10 11	11	Nor.	Fern Line.....	Mobile, Ala....	Yokohama, Japan	Pig iron....	8, 000
Trentbank.....	10 11	11	Brit.	Bank Line, Ltd....	Baltimore, Md..	Marshfield, Ore.	Ballast.....	
Dallas 9.....	4	11	Amer.	U. S. Navy.....	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Gen. M. H. Sherman.	10 11	11	Amer.	Norton, Lilly & Co.	New Orleans, La.	S. Francisco, Cal.	Ballast.....	
La Plata Maru 2.	11 11	11	Jap.	Osaka Shosen Kaisha.	Buenos Aires, Arg.	Kobe, Japan....	Cotton, gen.	3, 565
Marna.....	11 11	11	Dan.	West Coast Line..	New York, N. Y.	Talcahuano, Chile	General....	2, 200
San Conrado 1 2.	11 11	11	Brit.	Eagle Oil & Ship. Co.	RiodeJaneiro, Br.	Los Angeles, Cal.	Ballast.....	
Elisabeth Bakke 2.	11 11	11	Nor.	Knut Knutsen Line..	Belfast, Ireland.	Vancouver, B. C.	Ballast.....	
Tai Shan 2.....	11 11	11	Nor.	Barber-Wilhelmsen.	Norfolk, Va....	Moji, Japan....	Scrap iron...	8, 331
Ramon de Larinaga.	11 11	11	Brit.	Canadian Transp. Co.	Hull, England..	Vancouver, B. C.	Ballast.....	
Dorothy Luckenbach.	11 11	11	Amer.	Luckenbach Line...	Providence, R. I.	Seattle, Wash...	General....	4, 433
Bogota 2.....	9 11	11	Ger.	North German Lloyd.	Cristobal, C. Z.	Guayaquil, Ecu.	General....	234
Bennekom.....	10 11	11	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger...	Corral, Chile...	General....	1, 369
Istmo.....	10 11	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General....	310
Texan.....	11 12	12	Amer.	Amer.-Hawaian Line.	Boston, Mass...	Tacoma, Wash...	General....	3, 250
Ino 2.....	10 12	12	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General....	32
Sambu 2.....	10	11	Pan.	E. J. Hooper.....	Cristobal, C. Z.	Gatun, C. Z. 13	General....	25
Joan 5.....	11 12	12	Pan.	D. McAlister.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
President Herrenschmidt. 1 2	11 12	12	Nor.	Socomar, Paris.	Antwerp, Belg.	La Libertad, Ecu.	Ballast.....	
Balboa 2.....	11 12	12	Swed.	Johnson Line.....	Stockholm, Swed.	Vancouver, B. C.	General....	4, 576
Yamazuki Maru 2	12 12	12	Jap.	Yamashita K. Kaisha	Buenos Aires, Arg.	Kobe, Japan....	Cotton, gen.	6, 693
Moldanger 2.....	11 12	12	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast.....	
Washington Express. 2	12 12	12	Nor.	Fruit Express Line...	London, England	Los Angeles, Cal.	Ballast.....	
Hagan 1.....	12 12	12	Amer.	Pennsylvania Ship. Co	Curacao, N. W. I.	Wilmington, Cal.	Ballast.....	
Kronprinsessan Margareta. 2	11 12	12	Swed.	Johnson Line.....	Goth'burg, Swed.	Valparaiso, Chile.	Gen., sugar.	5, 030
African Reefer 2.	12 13	13	Dan.	J. Lauritzen.....	Goth'burg, Swed.	Los Angeles, Cal.	Ballast.....	
El Ciervo 1.....	13 13	13	Brit.	Rodolfo P. Peraea...	Manchester, Eng.	La Libertad, Ecu.	Ballast.....	
Reginolite 1 2.....	13 13	13	Brit.	Imperial Oil Ship. Co.	La Guayra, Ven.	Tocopilla, Chile.	(14) 12, 100	
Nero 2.....	10 13	13	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General....	164
Jacob Luckenbach	13 13	13	Amer.	Luckenbach Line...	Houston, Tex...	Tacoma, Wash...	General....	5, 116
Abangarez.....	10 15	15	Amer.	United Fruit Co....	Boston, Mass...	Pto. Arm'les, R.P.	Ballast.....	
Salvador.....	7 14	14	Brit.	Pacific Steam Nav. Co	Cristobal, C. Z.	Champ'ico, Guat.	General....	625
Winkleigh.....	13 14	14	Brit.	W. J. Tatem.....	Barry, England..	Vancouver, B. C.	Ballast.....	
City of Hankow...	13 14	14	Brit.	Ellerman & Bueknall.	Montreal, Canada	Adelaide, Aust'lia	General....	7, 011
Taketoyo Maru...	13 14	14	Jap.	Nippon Yusen Kaisha	Baltimore, Md..	Kobe, Japan....	Cotton, gen.	5, 740
Huntingdon.....	14 14	14	Brit.	Federal Steam Nav. Co.	Newcastle, Eng.	Opua, N. Z....	Ballast.....	
Taybank 2.....	14 14	14	Brit.	Bank Line, Ltd....	Boston, Mass...	Shanghai, China	Steel, gen...	3, 000
Rasma.....	14 14	14	Latv.	Chile Nit. Sales Corp.	Newport, Eng...	Antof gasta, Chile	Ballast.....	
Birmingham City.	14 14	14	Amer.	Isthmian S. S. Lines.	Baltimore, Md..	Tacoma, Wash...	Steel, gen...	3, 422
Sirocco 2.....	9 17	17	Amer.	Errol Leslie Flynn	Miami, Fla....	Los Angeles, Cal.	Ballast.....	
San Anselmo.....	12 14	14	Amer.	Quaker Line.....	New York, N. Y.	Seattle, Wash...	General....	6, 507
John Bakke 2.....	12 16	16	Nor.	Scand.-S. Pacific Line.	Goth'burg, Swed.	Talcahuano, Chile	General....	3, 663
Speybank 2.....	14 14	14	Brit.	Andrew Weir & Co.	Panama City, Fla.	Adelaide, Aust'lia	General....	4, 162
Porto Bello 3	14 14	14	Pan.	A. Tagaropoulos...	Real, R. P....	Real, R. P....	General....	3
M-238 5.....	14 14	14	Amer.	U. S. Army.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
Puerto Rican...	14 15	15	Amer.	Amer.-Hawaian Line.	Jacksonville, Fla.	Tacoma, Wash...	General....	3, 177
Lihue.....	14 15	15	Amer.	Matson Nav. Co....	Baltimore, Md..	Honolulu, T. H.	General....	3, 073
Parthenia.....	15 15	15	Brit.	Donaldson Line...	Glasgow-England	Vancouver, B. C.	General....	496
Sydney M. Hauptman.	15 15	15	Amer.	McCormick S. S. Co.	Norfolk, Va....	Seattle, Wash...	General....	6, 833
Santore.....	15 15	15	Amer.	Ore S. S. Corp....	Baltimore, Md..	Cruz G'de, Chile	Ballast.....	
Kansai Maru 2...	15 15	15	Jap.	Osaka Shosen Kaisha	Boston, Mass...	Moji, Japan....	Gen., maeh.	5, 135
Skagerak 2.....	15 15	15	Nor.	Kawasaki K. Kaisha	Philadelphia, Pa.	Los Angeles, Cal.	Ballast.....	
Pileot.....	15 16	16	Brit.	McCowen & Gross...	Boston, Mass...	Kamashi, Japan	Scrap iron...	6, 654
Triadic 2.....	15 16	16	Brit.	Brit. Phos. Com'ers	Glasgow-England	Nauru, Br. Mand.	General....	990
Kentuckian.....	15 16	16	Amer.	Amer.-Hawaian Line.	Boston, Mass...	Portland, Ore...	General....	2, 636
Pirre 2.....	14 15	15	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Real 2.....	14 15	15	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Agua Dulce, R. P.	General....	33
Sambu 2.....	14 14	14	Pan.	E. J. Hooper.....	Cristobal, C. Z.	Balboa, C. Z.	Tow, barge.	
Barge, No. 5441.	14 14	14	Pan.	E. J. Hooper.....	Cristobal, C. Z.	Gatun, C. Z. 13	General....	19
Winslow 5.....	14 14	14	Amer.	U. S. Army.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
Point Clear.....	16 16	16	Amer.	Gulf-Pacific Line...	Houston, Tex...	Tacoma, Wash...	General....	5, 545
Franz Klases 1 2.	16 16	16	Pan.	W. Tankschiff Rhed'i.	Hamburg, Ger...	Talara, Peru...	Ballast.....	
Anhalt.....	16 16	16	Ger.	North German Lloyd.	New York, N. Y.	Auckland, N. Z.	(15) 6, 729	
Santa Clara.....	16 17	17	Amer.	Grace Line.....	New York, N. Y.	San Antonio, Chile	General....	3, 113
Marlene.....	16 16	16	Brit.	K. S. S. Company...	Savannah, Ga.	Brisbane, Aust.	General....	7, 101
Pirate 3.....	16 16	16	Pan.	E. J. Hooper.....	Cristobal, C. Z.	Gatun, C. Z. 13	General....	20
Oropesa.....	16 17	17	Brit.	Pacific Steam Nav. Co	Liverpool, Eng.	Valparaiso, Chile.	General....	1, 598

1 Tanker. 2 Motor ship. 3 Motor schooner. 4 Launch. 5 Destroyer. 13 For bananas and return to Cristobal, C. Z. 14 Fuel and Diesel oil. 15 Sulphur, ore, general.



ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line Charterer or operator	Port		Cargo	
					From—	For—	Nature	Long tons
Susan V. Luckenbach	17	17	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	3,246
Fernwood <sup>2</sup>	17	17	Brit.	Chesco, Australia	Galveston, Tex.	Geelong, Aust'lia	Sulphur	8,250
Republic <sup>8</sup>	16	18	Amer.	U. S. Army	New York, N. Y.	Honolulu, T. H.	General	1,809
Chelsea	17	17	Brit.	Chile Nit. Sales Corp.	Alexandria, Egypt	Antof'gasta, Chile	Ballast	
Firmore	15	17	Amer.	Ore S. S. Corp.	Newp't News Va.	Cruz Gr'de, Chile	Ballast	
Mount Hymettus	17	17	Greek	Charles Dreifus Co.	New York, N. Y.	Kamaishi, Japan.	Scrap iron	7,604
Col. Riche <sup>5</sup>			Amer.	U. S. Army	Cristobal, C. Z.	P. Miguel, C. Z.	Tow. barge	
Lieut. Col. H. C. Schumm <sup>4</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow. barge	
Frank <sup>3</sup>	17	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Istmo	16	18	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	405
Norviken <sup>2</sup>	17	18	Nor.	Kawasaki K. Kaisha	Landskrona, Swed	Los Angeles, Cal.	Ballast	
Nebraskan	18	18	Amer.	Amer.-Hawaian Line	Boston, Mass.	Seattle, Wash.	General	3,233
Clio <sup>2</sup>	16	19	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Tumaco, Colom.	General	249
Manizales	16	18	Ger.	North German Lloyd	Cristobal, C. Z.	Guayaquil, Ecu.	General	621
Ino <sup>2</sup>	17	18	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	65
Chinese Prince <sup>2</sup>	18	19	Brit.	Prince Line, Ltd.	New York, N. Y.	Hongkong, China.	General	5,283
Okmar	19	19	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel gen.	8,230
Peter Maersk <sup>2</sup>	19	19	Dan.	Maersk Line	Boston, Mass.	Cebu, P. I.	General	6,408
Catwood <sup>1</sup>	19	19	Amer.	Union Oil of Calif.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Chilean Reifer <sup>2</sup>	19	19	Dan.	J. Lauritzen	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Alphard <sup>2</sup>	19	19	Neth.	Van Nievelt, Gourd.	Antwerp, Belgium	British Columbia.	Ballast	
Gen. Wm. M. Graham <sup>11</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
L-53 <sup>5</sup>			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Steel Age	19	20	Amer.	Isthmian S. S. Lines	Portland, Me.	Seattle, Wash.	Gen. steel	5,333
Steel Scientist	20	21	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Saigon, Ind-Chi's	General	7,468
Cornwall	20	20	Brit.	N. Z. Shipping Co.	Liverpool, Eng.	Auckland, N. Z.	General	6,798
D. G. Seofield <sup>1</sup>	20	21	Amer.	Arrow Oil Co.	Houston, Tex.	S. Francisco, Cal.	Fuel oil	10,998
Sydlund	19	20	Swed.	Madrigal & Co.	New York, N. Y.	Moji, Japan	Scrap iron	8,340
City of Manchester	20	21	Brit.	Amer.-Australian Line	Baltimore, Md.	Adelaide, Aust'lia	General	6,445
Anasis	19	21	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Corral, Chile	General	5,226
Porto Bello <sup>3</sup>	20	21	Pan.	A. Tagaropulos	Cristobal, C. Z.	Real, R. P.	General	3
Tonan Maru No. 2, 13	20	21	Jap.	Nippon Suisan Kab. Kaisha	Fremantle, Aust.	Yokohama, Japan	Ballast	
Pereira	16	21	Pan.	Grace Line	Cristobal, C. Z.	Champ'co, Guat.	General	516
Pacific Shipper <sup>2</sup>	20	21	Brit.	Furness, Withy & Co.	Glasgow-England	Vancouver, B. C.	General	685
Norden <sup>2</sup>	21	21	Dan.	Kawasaki K. Kaisha	New York, N. Y.	Kobe, Japan	General	5,818
Tropic Star <sup>2</sup>	21	21	Nor.	Chile Nit. Sales Corp.	Wilmington, N. C.	Tocopilla, Chile	Ballast	
Thorstrand <sup>2</sup>	21	22	Nor.	Fred Olsen Line	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Germania <sup>1</sup>	21	21	Ger.	Standard Oil Co.	Hamburg, Ger.	Talara, Peru.	Ballast	
Silverbeeb <sup>2</sup>	21	21	Brit.	Kerr S. S. Co.	New York, N. Y.	Vancouver, B. C.	Ballast	
Derrymore <sup>2</sup>	21	21	Brit.	McCowen & Gross.	Baltimore, Md.	Vancouver, B. C.	Ballast	
Atenas	21	22	Amer.	United Fruit Co.	Boston, Mass.	Pto. Arm'les, R.P.	Ballast	
Baron Incheape	21	21	Brit.	States Marine Corp.	Norfolk, Va.	Yokohama, Japan	(14)	9,504
Gretnavale	21	21	Brit.	Chile Nit. Sales Corp.	Charleston, S. C.	Taital, Chile	Ballast	
Brandanger <sup>2</sup>	21	21	Nor.	General S. S. Corp.	Rosario, Argen.	Vancouver, B. C.	General	2,856
Nyhorn <sup>2</sup>	21	22	Nor.	Knutsen Line	Goth'burg, Swed.	Vancouver, B. C.	Ballast	
Point Lobos	21	22	Amer.	Swayne & Hoyt	New Orleans, La.	Seattle, Wash.	General	6,217
Marore	21	22	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Nuevo Panama <sup>2</sup>	21	22	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	190
Otina <sup>1</sup>	22	22	Brit.	Anglo-Saxon Pet. Co.	Copenhagen, Den.	Los Angeles, Cal.	Ballast	
King Egbert <sup>2</sup>	22	22	Brit.	King Line, Ltd.	Hull, England	Los Angeles, Cal.	Ballast	
Floridan	22	22	Amer.	Amer.-Hawaian Line	Boston, Mass.	Portland, Oreg.	General	2,354
Taira <sup>2</sup>	21	21	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real <sup>2</sup>	21	21	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
La Union <sup>2</sup>	21	21	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Nathan <sup>2</sup>	21	21	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>15</sup>		20
Barge No. 5441	21	21	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>15</sup>		19
Pirate <sup>2</sup>	22	23	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>15</sup>		20
San Angelo	22	23	Amer.	Quaker Line	New York, N. Y.	Seattle, Wash.	(18)	5,855
Munester Castle <sup>2</sup>	22	23	Brit.	Barber Line	Philadelphia, Pa.	Honkong, China	General	1,200
Jhelum	22	23	Brit.	James Nourse, Ltd.	Tampa, Fla.	Japan	(17)	6,577
Borgestad <sup>2</sup>	22	23	Nor.	Canadian Transp. Co.	Botwood, N. F.	Tacoma, Wash.	(18)	6,262
Svealand <sup>2</sup>	23	23	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Miss C. B. <sup>2</sup>	22	24	Brit.	Sanabria Mines, Ltd.	Tampa, Fla.	Tumaco, Colom.	Machinery	43
Santa Barbara <sup>2</sup>	23	24	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,385
Mobiloil <sup>1</sup>	23	23	Amer.	Socony Vac. Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Losada <sup>2</sup>	23	23	Brit.	Pacific Steam Nav. Co.	Hull, England	Coronel, Chile	General	4,670
Frank <sup>3</sup>	21	23	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.		
Imperial <sup>2</sup>	23	24	Chil.	Cia. Sud Amer., Vap.	Nakskov, Den.	Valparaiso, Chile	General	389
Pennsylvania	23	24	Amer.	Weyerhaeuser S.S. Co.	New York, N. Y.	Seattle, Wash.	General	4,757
Allende	24	24	Brit.	Morrel Ltd.	Philadelphia, Pa.	Vancouver, B. C.	Ballast	
Sagoland	24	24	Phil.	Long Is. Mach. Co.	New York, N. Y.	Osaka, Japan	Scrap iron	8,441
Nurnberg <sup>2</sup>	23	24	Ger.	North German Lloyd	Bremen, Germany	Valparaiso, Chile	General	4,014
Gridley <sup>9</sup>	24	27	Amer.	U. S. Navy	Norfolk, Va.	Balboa, C. Z.	Ballast	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>8</sup> Transport. <sup>9</sup> Destroyer. <sup>11</sup> Mine planter. <sup>13</sup> Whale factory. <sup>14</sup> Scrap iron and rails. <sup>15</sup> For bananas and return to Cristobal, C. Z. <sup>18</sup> Steel, coal, general. <sup>17</sup> Phosphate, cotton. <sup>18</sup> Copper concentrates.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Patricia <sup>2</sup>	24	25	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	S. Jose de Guat.	General.	2,167
Barnevel	23	24	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile.	General.	1,991
Dallas <sup>9</sup>	24	24	Amer.	U. S. Navy.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Istmo	23	25	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	540
Sea Thrush	25	25	Amer.	Shepard S. S. Co.	Albany, N. Y.	Seattle, Wash.	General.	3,414
Capri <sup>5</sup>	24	25	Cuban.	United Fruit Co.	Habana, Cuba.	Puntarenas, C.R.	Tow. barge.	
J. L. Luckenbach	25	25	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	Autos, gen.	4,716
Golden Sun	25	25	Amer.	Matson Nav. Co.	Baltimore, Md.	Hilo, T. H.	Gen., steel.	1,611
Tisnaren <sup>2</sup>	24	25	Swed.	Transatlantic S.S. Co.	Baltimore, Md.	Vancouver, B. C.	Ballast.	
Cerigo	23	25	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	B'ventura, Col.	Ballast.	
Frida	25	25	Dan.	West Coast Line	New York, N. Y.	Taleahuano, Chile.	General.	2,447
Rialto <sup>2</sup>	24	25	Ital.	S. A. Italia.	Trieste, Italy	Vancouver, B. C.	Salt, gen.	1,826
Arkansas	25	25	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General.	2,753
Munsterland <sup>2</sup>	25	25	Ger.	Hamburg-Amer. Line.	Houston, Tex.	Hongkong, China	(19)	2,730
Nathan <sup>2</sup>	24	24	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>		20
Orazio <sup>2</sup>	25	26	Ital.	Italian Line	Genoa, Italy.	Valparaiso, Chile.	General.	770
Gracia	26	26	Brit.	Donaldson Bros., Ltd.	Glasgow-England	Vancouver, B. C.	General.	465
President Adams	26	26	Amer.	Dollar Line	New York, N. Y.	Round the world	General.	3,611
Tennessee	26	26	Nor.	Mont.-Aust.-N.Z. Line	Three Riv., Can.	Sydney, Aust'lia	Newsprint.	5,468
Nero <sup>2</sup>	24	26	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Tumaco, Colom.	General.	66
Port Alma <sup>2</sup>	26	26	Brit.	Port Line	London, England	N. Plym'th, N. Z.	Gen., explos.	5,956
Taiwan <sup>2</sup>	26	26	Nor.	States Marine Corp.	New York, N. Y.	Yokohama, Japan	Steel, benzol.	8,442
Selma City	26	26	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Seattle, Wash.	Steel, gen.	6,007
York <sup>12</sup>	26	27	Brit.	British Government.	Cartagena, Col.	Balboa, C. Z.	Ballast.	
R. J. Hanna <sup>1</sup>	26	27	Amer.	Standard Oil of Calif.	Providence R. I.	Los Angeles, Cal.	Ballast.	
Maranon	27	27	Peruv.	C. P. V. D.	Iquitos, Peru.	Callao, Peru.	Lumber, gen.	1,995
Ferngen <sup>2</sup>	27	27	Nor.	Fern Line.	Mobile, Ala.	Yokohama, Japan	Pig iron.	8,200
Clio <sup>2</sup>	26	27	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General.	30
Liceto de Larrinaga.	27	27	Brit.	Canadian Transp. Co.	Montreal, Canada	Vancouver, B. C.	General.	4,300
Lebore	27	27	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.	
Durazzo	23	27	Ger.	Hamburg-Amer. Line.	Manauca, Colom.	Guayaquil, Ecu.	General.	752
M-101 <sup>5</sup>	27	27	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Tainui	28	29	Brit.	Shaw, Savill & Albion	London, England	Wellington, N. Z.	General.	2,982
Mathew Luckenbach.	28	28	Amer.	Luckenbach Line	Houston, Tex.	Seattle, Wash.	General.	6,321
Acajutla	21	25	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General.	503
Uffington Court	28	28	Brit.	Canadian Transp. Co.	Newcastle, Eng.	Vancouver, B. C.	Ballast.	
Porto Bello <sup>3</sup>	28	29	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General.	3
M-101 <sup>5</sup>	27	27	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Ariston <sup>1</sup> 2	28	29	Swed.	A. S. Onassis	Goth'burg, Swed.	S. Francisco, Cal.	Ballast.	
Canadian	29	29	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General.	4,972
Eleni	29	29	Greek.	An. Callinicos & Co.	Antwerp, Belgium	West coast.	Ballast.	
Abangarez	29	29	Amer.	United Fruit Co.	Mobile, Ala.	Pto. Arm'stes, R.P.	Ballast.	
San Cipriano <sup>1</sup> 2.	29	29	Brit.	Eagle Oil & Ship. Co.	Plymouth, Eng.	Los Angeles, Cal.	Ballast.	
Minerva <sup>2</sup>	29	29	Nor.	Chile Nit. Sales Corp.	Charleston, S. C.	Toeopilla, Chile.	Ballast.	
City of Bedford	29	29	Brit.	Ellerman & Bucknall.	Baltimore, Md.	Shanghai, China	Steel, gen.	2,024
Benjamin Franklin <sup>2</sup>	29	30	Nor.	Fred Olsen & Co.	Oslo, Norway.	Vancouver, B. C.	General.	1,725
Tuira <sup>2</sup>	28	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Pirre <sup>2</sup>	28	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Sona	28	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Real <sup>2</sup>	28	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Nathan <sup>2</sup>	28	28	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>		20
Sambu <sup>2</sup>	28	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Sugar, mach.	88
Barge No. 5441.	28	28	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>		20
Annie Johnson <sup>2</sup>	29	30	Swed.	Johnson Line.	Stockholm, Swed.	S. Francisco, Cal.	General.	4,226
Embassage	29	30	Brit.	Anglo-Can. S. S. Co.	N. Shields, Eng.	Vancouver, B. C.	Ballast.	
Texas Sun <sup>1</sup> 2.	30	30	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast.	
Coloradan	30	30	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	2,441
Wyangarie <sup>2</sup>	29-7-2	30	Brit.	North Coast Co.	Kramfors, Swed.	Sydney, Aust'lia	Timber.	702
Chilore	28	30	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.	
Fort Ross <sup>2</sup>	30	1	Brit.	Hudson Bay Co.	Lunenburg, N. S.	Vancouver, B. C.	Ballast.	
Northmoor <sup>2</sup>	30	30	Brit.	Continental Grain Co.	Galveston, Tex.	Australia	Sulphur.	7,641
Starcross	30	4	Brit.	Seaboard Lumber Co.	Cardiff, England.	Victoria, B. C.	Ballast.	
Boren	30	30	Swed.	Transatlantic S. S. Co.	New York, N. Y.	Yawata, Japan.	Scrap iron.	7,263
Pirate <sup>3</sup>	30	30	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>		20
Frank <sup>3</sup>	28	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Oregon <sup>2</sup>	30	1	Fr.	French Line	Antwerp, Belgium	Valparaiso, Chile.	General.	2,387
City of Bagdad.	30	1	Brit.	Ellerman & Bucknall.	Glasgow-England	Sydney, Aust'lia	General.	5,017
Chateau Thierry <sup>8</sup>	30	30	Amer.	U. S. Army.	New York, N. Y.	Balboa, C. Z.	General.	496
Sea Horse <sup>5</sup>	30	30	Amer.	N. E. Parker	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Dolores <sup>5</sup>	30	30	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Canadian Reefer <sup>2</sup>	7-1-2	2	Dan.	J. Lauritzen	Antwerp, Belgium	Los Angeles, Cal.	Ballast.	
Istmo	30	2	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	390
Karamea <sup>2</sup>	2	2	Brit.	Shaw, Savill & Albion.	Liverpool, Eng.	Auckland, N. Z.	General.	5,503
Dallington Court	2	2	Brit.	Canadian Transp. Co.	Manchester, Eng.	Vancouver, B. C.	Sugar.	6,175

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>5</sup> Launch. <sup>8</sup> Transport. <sup>9</sup> Destroyer. <sup>13</sup> Cotton, iron, general. <sup>14</sup> For bananas and return to Cristobal, C. Z.

## ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo		
					From—	For—	Nature	Long tons	
Lancaster Castle	2	2	Brit.	Chile Nit. Sales Corp.	Antwerp, Belgium	Tocopilla, Chile	Ballast		
Santa Rita <sup>2</sup>	1	2	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile	General	2,658	
Eskbank <sup>2</sup>	2	2	Brit.	Andrew Weir & Co.	Philadelphia, Pa.	Los Angeles, Cal.	Ballast		
Lillian Luckenbach	2	2	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	4,399	
San Francisco	1	2	Fr.	French Line	Havre, France	Vancouver, B. C.	(13)	6,287	
Steelore	1	2	Amer.	Ore S. S. Corp.	Norfolk, Va.	Cruz Gr'de, Chile	Ballast		
Uyo Maru <sup>2</sup>	2	2	Jap.	Mitsui Line	New York, N. Y.	Japan	(14)	9,020	
Winona	2	2	Amer.	Weyerhaeuser S.S. Co.	Boston, Mass.	Everett, Wash.	General	3,276	
Ino <sup>2</sup>	1	2	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Tumaco, Colom.	General	6,67	
Nevadan	2	2	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	3,181	
California Standard, <sup>1</sup> 2	2	3	Pan.	Standard Oil of Calif.	Rotterdam, Neth.	S. Francisco, Cal.	Ballast		
Itauri	2	3	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Valparaiso, Chile	General	2,259	
Kaldfohn <sup>1</sup> 2	2	4	Nor.	Standard Oil Co.	Aruba, N. W. I.	Guayaquil, Ecua.	Fuel oil	13,865	
Canadian Constructor	2	3	Brit.	Mont.-Aust.-N.Z. Line	Montreal, Canada	Bluff, N. Z.	General	4,844	
Brimanger <sup>2</sup>	2	3	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast		
President de Vogue, <sup>1</sup> 2	3	3	Nor.	Comp. des Prod. Chim. Raffineries de Berre.	Pl. de Boue, France	Talara, Peru	Ballast		
Pacific President <sup>2</sup>	3	3	Brit.	Furness, Withy & Co.	Glasgow-England	Vancouver, B. C.	General	407	
San Ambrosio <sup>1</sup> 2	3	3	Brit.	Eagle Oil & Ship. Co.	London, England	Los Angeles, Cal.	Ballast		
Emergency Aid	3	3	Amer.	McCormick S. S. Co.	Philadelphia, Pa.	Seattle, Wash.	General	5,932	
Ulm <sup>2</sup>	3	3	Ger.	North German Lloyd	Bremen, Ger.	Los Angeles, Cal.	General	267	
Ronda <sup>2</sup>	3	3	Nor.	Mitsui Bussan Kaisha	Galveston, Tex.	Osaka, Japan	General	4,255	
Silveryew <sup>2</sup>	3	3	Brit.	S. & J. Thompson	Boston, Mass.	Hongkong, China	General	3,288	
Alamar	3	3	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Gen., steel	6,361	
Treverbyn	3	3	Brit.	Andrew Weir & Co.	Liverpool, N. S.	Melbourne, Aust.	Paper	4,835	
Asosan Maru <sup>2</sup>	3	3	Jap.	Mitsui & Co.	New York, N. Y.	Manila, P. I.	(15)	4,632	
Gertrude Maersk	3	4	Dan.	Isbrandtsen Moller Co.	New York, N. Y.	Manila, P. I.	General	4,698	
Stylianios Chandris	3	4	Greek	John Chandris	Quebec, Canada	Japan	Scrap iron	7,500	
Anglo Saxon	3	4	Brit.	Lawther, Latta & Co.	Tyne, England	Vancouver, B. C.	Ballast		
Buenos Aires Maru <sup>2</sup>	4	5	Jap.	Osaka Shosen Kaisha	Buenos Aires, Arg.	Kobe, Japan	(16)	2,904	
Oregon Express <sup>2</sup>	4	4	Nor.	Fruit Express Line	Rotterdam, Neth.	Los Angeles, Cal.	Ballast		
Hoperowen <sup>2</sup>	4	4	Brit.	Olive Shipping Co.	Tyne, England	Vancouver, B. C.	Ballast		
Cerigo	2	4	Ger.	Hamburg-Amer. Line	Cristobal, C. Z.	Guayaquil, Ecua.	General	202	
Queen Anne	4	5	Brit.	Mont.-Aust.-N.Z. Line	Pt. Alfred, Can.	Adelaide, Aust. lia	Paper	5,583	
Reina del Pacifico <sup>2</sup>	3	4	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile	General	3,095	
Amerikaland <sup>2</sup>	4	5	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast		
Golden Mountain	4	5	Amer.	Isthmian S. S. Lines	Baltimore, Md.	San Diego, Calif.	Gen., steel	2,830	
Babrein <sup>1</sup>	4	5	Pan.	Standard Oil of Calif.	London, England	S. Francisco, Cal.	Ballast		
Herman F. Whitton	5	5	Amer.	Union Sulphur Co.	Galveston, Tex.	Everett, Wash.	Sulphur	4,250	
Tyr <sup>2</sup>	5	5	Nor.	Thorvald Hansen	Texas City, Tex.	Japan	Scrap iron	6,268	
American Reefer <sup>2</sup>	5	5	Dan.	J. Lauritzen	Hamburg, Ger.	Los Angeles, Cal.	Ballast		
Camden <sup>1</sup>	5	5	Amer.	Shell Oil of St. Louis	Boston, Mass.	Los Angeles, Cal.	Ballast		
Nankai Maru <sup>2</sup>	5	5	Jap.	Osaka Shosen Kaisha	Boston, Mass.	Dairen, China	Autos, steel	7,044	
Ionie Star	5	5	Brit.	Blue Star Line	Liverpool, Eng.	Vancouver, B. C.	Ballast		
Point Chico	5	5	Amer.	Swayne & Hoyt	Houston, Tex.	Tacoma, Wash.	General	5,198	
Weser	4	5	Ger.	North German Lloyd	Hamburg, Ger.	Vancouver, B. C.	General	7,081	
Narenta	4	6	Brit.	Royal Mail Line, Ltd.	Rotterdam, Neth.	Vancouver, B. C.	General	3,683	
Smaragd	6	30	5	Nor.	Grace Line	Cristobal, C. Z.	Champ'pec, Guat.	General	1,602
Porto Bello <sup>3</sup>	5	5	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3	
Steel Inventor	6	6	Amer.	Isthmian S. S. Lines	Mobile, Ala.	Seattle, Wash.	(17)	6,094	
American Robin	6	6	Amer.	Amer.-For. S. S. Corp	Baltimore, Md.	S. Francisco, Cal.	Sulphur	7,200	
Atenas	5	6	Amer.	United Fruit Co.	Mobile, Ala.	Pto. Arm'les, R. P.	Ballast		
Cape St. Andrew	6	6	Brit.	States Marine Corp.	Panama City, Fla.	Yokohama, Japan	Scrap steel	7,924	
Arizonan	6	6	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,526	
Matros <sup>2</sup>	6	6	Pan.	Chile Nit. Sales Corp.	Norfolk, Va.	Callao, Peru	Coal	2,008	
Nuevo Panama <sup>2</sup>	5	6	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	250	
La Union <sup>2</sup>	5	6	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast		
Sambu <sup>2</sup>	5	6	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General	82	
Pirate <sup>3</sup>	6	6	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	(18)	20	
Nathan <sup>2</sup>	5	6	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	20		
Barge No. 5441	5	6	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	20		
Medon <sup>2</sup>	6	7	Brit.	Mitsubishi S. Kaisha	Habana, Cuba	Yokohama, Japan	Scrap steel	7,021	
Olney <sup>1</sup>	7	7	Amer.	Shell Oil Co.	Mobile, Ala.	Los Angeles, Cal.	Ballast		
Rangitata <sup>2</sup>	7	8	Brit.	N. Z. Shipping Co.	London, England	Auckland, N. Z.	Gen., frozen	5,450	
Clytonous <sup>2</sup>	7	7	Brit.	Alfred Holt & Co.	Liverpool, Eng.	Shanghai, China	General	2,240	
Ferneliff <sup>2</sup>	7	7	Nor.	Chile Nit. Sales Corp.	Savannah, Ga.	Iquique, Chile	Ballast		
Santa Lucia	7	8	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,870	
Soße Bakke <sup>2</sup>	6	8	Nor.	Knut Knutsen Line	Belfast, Ireland	Vancouver, B. C.	Ballast		
Tai Yin <sup>2</sup>	7	8	Nor.	Barber Line	Baltimore, Md.	Hongkong, China	General	2,273	
Steelmaker	8	8	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Honolulu, T. H.	Steel, gen.	2,404	
Keiyo Maru <sup>2</sup>	8	8	Jap.	Nippon Yusen Kaisha	Baltimore, Md.	Kobe, Japan	(19)	7,095	
Asturias	8	8	Nor.	S. S. Owners Corp.	Rio Haeha, Col.	Tumaco, Colom.	Salt	2,850	

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>13</sup> Coke, iron, general. <sup>14</sup> Gasoline, steel bars. <sup>15</sup> Steel, lubricating oil, etc. <sup>16</sup> General, tinplate, etc. <sup>17</sup> Tinplate, steel. <sup>18</sup> For bananas and return to Cristobal, C. Z. <sup>19</sup> General, lubricating oil, etc.



ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Valparaiso <sup>2</sup>	7	8	Swed.	Johnson Line.....	Goth'burg, Swed.	Valparaiso, Chile.	Gen., mach.	750
Cities Service Ohio <sup>2</sup>	8	9	Amer.	Dominion Tar and Chemical Co.	New York, N. Y.	Vancouver, B. C.	Cresosote, tar	9,531
San Bernardino	7	9	Amer.	Quaker Line.....	New York, N. Y.	Seattle, Wash.	General.....	4,825
Laila	8	9	Dan.	Wessel, Duval & Co.	New York, N. Y.	Talcahuano, Chile	General.....	1,807
Kansas	8	9	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General.....	2,609
Fortuna <sup>3</sup>	9	9	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Charles R. Mc Cormick	9	9	Amer.	McCormick S. S. Co.	Philadelphia, Pa.	Seattle, Wash.	General.....	3,531
Clio <sup>2</sup>	8	9	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	Ballast.....	
Sangstad <sup>2</sup>	9	9	Nor.	Fern Line.....	Savannah, Ga.	Yawata, Japan.	Scrap iron.	7,204
Breda	6	9	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General.....	950
Osnabruck <sup>2</sup>	8	9	Ger.	North German Lloyd.	Hamburg, Ger.	Valparaiso, Chile.	General.....	2,933
Potter <sup>2</sup>	9	11	Amer.	Roosevelt S. S. Co.	Philadelphia, Pa.	Adelaide, Aus'lia.	Gen., gasoline	3,772
Nathan <sup>2</sup>	8	9	Pan.	E. J. Hooper.....	Cristobal, C. Z.	Gatun, C. Z. <sup>14</sup>	.....	20
Missourian <sup>2</sup>	9	10	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General.....	3,855
Lewis Luckenbach	10	10	Amer.	Luckenbach Line.....	Boston, Mass.	Tacoma, Wash.	General.....	4,771
Corrientes	10	10	Brit.	Donaldson Line.....	Glasgow-England	N. Westm'er, B.C.	General.....	520
Yamaura Maru	10	10	Jap.	Yamashita K. Kaisha	Buenos Aires, Arg.	Kobe, Japan	Cotton, oil.	4,792
Pericles <sup>1 2</sup>	10	10	Nor.	Kawassaki K. Kaisha	Hamburg, Ger.	Cabo Bl'co, Peru	Ballast.....	
Ravnaas <sup>2</sup>	10	10	Nor.	S. S. Owners Oper. Co	Pt. Royal, Jam.	Yavaros, Mexico	Ballast.....	
Nero <sup>2</sup>	9	10	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.....	75
Taura <sup>2</sup>	9	9	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Sona <sup>2</sup>	9	9	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	

PACIFIC TO ATLANTIC

Hertford	10	11	Brit.	Federal Steam Nav. Co.	Wanganui, N. Z.	S'hampton, Eng.	Frozen, gen.	6,371
Poseidon	11	12	Ger.	F. Laeisz.....	Callao, Peru	Hamburg, Ger.	Copper, gen.	8,399
F. J. Luckenbach	11	11	Amer.	Luckenbach Line.....	Los Angeles, Cal.	New Orleans, La.	Lumber, gen.	6,177
British Columbia Express <sup>2</sup>	11	11	Nor.	Fruit Express Line.....	Los Angeles, Cal.	Hook of Holland.	Citrus fruit.	2,492
Hawaiian	11	11	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	General.....	5,705
Porto Bello <sup>2</sup>	11	11	Pan.	A. Tagaropoulos.....	Darien, R. P.	Colon, R. P.	( <sup>15</sup> )	11
Rambler <sup>13</sup>	11	11	Amer.	F. V. Barker.....	Balboa, C. Z.	Cristobal, C. Z.	Ballast.....	
Matros <sup>2</sup>	11	12	Pan.	Chile Nit. Sales Corp.	Antof'gasta, Chile	Charleston, S. C.	Nitrate.....	6,570
Orbita	11	12	Brit.	Pacific Steam Nav. Co.	San Antonio, Chile	Liverpool, Eng.	General.....	6,257
Trois Ilets	12	12	Fr.	French Line.....	B'ventura, Col.	Cristobal, C. Z.	Coffee.....	347
Sage Brush	12	12	Amer.	Shepard S. S. Co.	Everett, Wash.	Albany, N. Y.	Lumber, gen.	8,112
Hopestar	12	12	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Alexandria, Egypt	Nit. of soda.	9,150
John Worthington	12	13	Amer.	Standard Oil of N. J.	Talara, Peru	Aruba, N. W. I.	( <sup>16</sup> )	10,792
Karmit	12	13	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Wilmington, N.C.	Nitrate.....	8,865
Gannet <sup>4</sup>	13	15	Amer.	U. S. Navy.....	Balboa, C. Z.	Cristobal, C. Z.	.....	
Winslow <sup>5</sup>	13	15	Amer.	U. S. Army.....	Balboa, C. Z.	Gatun Lake, C. Z.	.....	
Santa Rita <sup>2</sup>	13	13	Amer.	Grace Line.....	Antof'gasta, Chile	New York, N. Y.	General.....	2,610
Baarn	13	13	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General.....	6,748
Oregonian	13	13	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	6,275
Seattle <sup>2</sup>	13	14	Ger.	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	General.....	7,930
Gryfevale	13	13	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>17</sup>	Nit. of soda.	7,780
Troja	13	14	Ger.	Hamburg-Amer. Line.	Puntarenas, C. R.	Hamburg, Ger.	General.....	903
Pukkastan	13	13	Brit.	Anglo-Can. S. S. Co.	M'bride Bay, B. C.	London, England	Lumber, gen.	9,740
Eria <sup>2</sup>	13	14	Dan.	East Asiatic Co.	Los Angeles, Cal.	Copenhagen, Den.	General.....	6,782
Pakeha	13	13	Brit.	Shaw, Savill & Albion	New Zealand.	London, England	Frozen, gen.	5,416
Steeleore	14	14	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Fulda	14	15	Ger.	North German Lloyd.	Corral, Chile	Hamburg, Ger.	General.....	8,361
Aase Maersk <sup>1 2</sup>	14	14	Dan.	P. Hansen.....	Talara, Peru	Dunkerque, Fr.	Crude oil	9,190
Frank <sup>2</sup>	14	15	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	35
Pierre <sup>2</sup>	14	15	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	38
Real <sup>2</sup>	14	15	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	30
Somerville <sup>2</sup>	14	15	Nor.	States Marine Corp.	Manila, P. I.	E. coast, U. S. A.	Sugar.....	7,100
Alaskan	15	15	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General.....	5,782
Abraham Lincoln <sup>2</sup>	14	17	Nor.	Fred Olsen & Co.	N. Westm'er, B.C.	Oslø, Norway	General.....	8,407
Hadleigh	15	15	Brit.	Seaboard Ship. Co.	Pt. Albani, B. C.	Hull, England	Grain, lum.	9,400
Lieut. Col. H. C. Schumm <sup>4</sup>	15	17	Amer.	U. S. Army.....	Balboa, C. Z.	Cristobal, C. Z.	.....	
Hindanger <sup>2</sup>	15	16	Nor.	Interocean S. S. Corp.	Vancouver, B. C.	Rotterdam, Neth.	General.....	7,680
Drechtijk <sup>2</sup>	15	17	Neth.	N. Pac. Coast Line.....	Victoria, B. C.	Rotterdam, Neth.	General.....	10,258
San Cirilo <sup>1 2</sup>	16	16	Brit.	Eagle Oil & Ship. Co.	Los Angeles, Cal.	Lizard, Eng. <sup>17</sup>	( <sup>16</sup> )	11,712
Perera	16	21	Pan.	Grace Line.....	Champ'co, Guat.	Cristobal, C. Z.	General.....	748
Rhakotis <sup>2</sup>	16	17	Ger.	Hamburg-Amer. Line.	Talcahuano, Chile	Hamburg, Ger.	General.....	7,907
Texas Sun <sup>1 2</sup>	16	16	Amer.	Sun Oil Co.....	Los Angeles, Cal.	Chester, Pa.	Gasoline.....	14,924
Wichita <sup>2</sup>	16	16	Amer.	Roosevelt S. S. Co.	Melbourne, Aust.	Baltimore, Md.	Ore, general	7,395
Istmo	16	18	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee.....	721
Manizales	16	18	Ger.	North German Lloyd.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	1,168
Clio <sup>2</sup>	16	18	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	206
Amerikaland <sup>2</sup>	16	17	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore.....	22,250

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Motor schooner. <sup>4</sup> Tug. <sup>5</sup> Launch. <sup>13</sup> Motor boat. <sup>14</sup> For bananas and return to Cristobal, C. Z. <sup>15</sup> Plantains, lumber. <sup>16</sup> Gasoline, kerosene. <sup>17</sup> For orders.



PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator.)	Port		Cargo	
					From—	For—	Nature	Long tons
Trontolite <sup>1</sup> 2	16	17	Brit.	Imperial Oil Ship. Co.	Talara, Peru.	Halifax, N. S.	Gasoline	7,522
Hollywood	16	17	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	7,096
Atutasa Maru <sup>2</sup>	16	17	Jap.	Mitsui Bussan Kaisha	Cebu, P. I.	New York, N. Y.	General	6,519
California Express	21	17	Nor.	Fruit Express Line	Los Angeles, Cal.	London, England	Fresh fruit	1,826
Virgilio <sup>2</sup>	17	18	Ital.	Societa Italiana	Valparaiso, Chile.	Genoa, Italy	General	2,836
Ino <sup>2</sup>	17	18	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	476
Munchen <sup>2</sup>	17	19	Ger.	North German Lloyd.	Corral, Chile	Bremen, Germany	General	6,364
Dallas No. 199 <sup>2</sup>	18	18	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
William Luckenbach	17	18	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	(14)	8,530
Ferncliff <sup>2</sup>	18	18	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Savannah, Ga.	(15)	7,785
Skjelbred <sup>2</sup>	18	18	Nor.	Kawasaki K. Kaisha	Dairen, China	Houston, Tex.	Sugar, gen.	5,603
Abangarez	18	18	Amer.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	1,600
Hokuroku Maru <sup>2</sup>	17	18	Jap.	Osaka Shosen Kaisha	Dairen, China	New York, N. Y.	General	1,958
Tsuyama Maru	18	18	Jap.	Nippon Yusen Kaisha	Manila, P. I.	New Orleans, La.	General	3,178
Socony Vacuum <sup>1</sup>	18	18	Amer.	Socony Vac. Oil Co.	Los Angeles, Cal.	Providence R. I.	Gasoline	14,313
Porto Bello <sup>2</sup>	18	18	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(16)	5
Sambu <sup>2</sup>	18	18	Pan.	E. J. Hooper	Balboa, C. Z.	Cristobal, C. Z.	Scrap lumber	5
Point Brava	18	19	Amer.	Swayne & Hoyt	Seattle, Wash.	New Orleans, La.	Lumber, gen.	5,480
Celtic Monarch	18	19	Brit.	Canadian Transp. Co.	Vancouver, B. C.	London, England	Lum., grain	8,196
Monkleigh	19	19	Brit.	Seaboard Ship. Co.	Chemainus, B. C.	Manchester, Eng.	Lumber	7,855
Athelechief <sup>1</sup> 2	19	19	Brit.	Brit. Bitumen Refin.	Richmond, Calif.	Trinidad, B. W. I.	Asphalt	8,541
Temple Mead	19	19	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores <sup>17</sup>	Nit. of soda	7,070
Mahia	19	19	Brit.	Shaw, Savill & Albion.	New Zealand	London, England	Frozen, gen.	7,798
Helga	19	20	Dan.	J. Lauritzen	Tocopilla, Chile.	Norfolk, Va.	Nitrates	2,700
Bidwell <sup>1</sup> 2	19	20	Amer.	Union Oil of Calif.	Pt. San Luis	New York, N. Y.	Crude oil	10,956
Cromarty <sup>2</sup>	19	20	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Chatham, Eng.	Lumber, zinc	7,270
Wairangi <sup>2</sup>	19	20	Brit.	Shaw, Savill & Albion.	Wellington, N.Z.	London, England	Frozen, gen.	6,782
Liberator	20	20	Amer.	Lykes Bros.-Ripley	Manila, P. I.	New Orleans, La.	Sugar, copra	10,006
Yamakaze Maru <sup>2</sup>	20	21	Jap.	Yamashita K. Kaisha	Dairen, China	Buenos Aires, Arg.	Oil, gen.	1,461
President Herenschmidt, <sup>1</sup> 2	20	20	Nor.	Socomar, Paris	La Libertad, Salvador.	Donges, France	Crude oil	13,318
Jefferson Myers	20	20	Amer.	Canadian-Gulf Line.	Powell River, B. C.	Houston, Tex.	Lum., paper	7,854
King John <sup>2</sup>	20	20	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Hull, England	Lumber, gen.	7,990
Honomu	20	20	Amer.	Matson Nav. Co.	Kahului, T. H.	Baltimore, Md.	(18)	7,950
Californian <sup>2</sup>	20	21	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	7,089
Chisone <sup>2</sup>	20	22	Ital.	Italian Line	Vancouver, B. C.	Trieste, Italy	General	7,245
Maimoa	20	21	Brit.	Shaw, Savill & Albion.	Auckland, N. Z.	United Kingdom.	Frozen, gen.	6,131
Nuevo Panama <sup>2</sup>	21	22	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	82
Acajutla	21	25	Brit.	Pacific Steam Nav. Co.	Champico, Guat.	Cristobal, C. Z.	General	486
Santa Lucia	21	21	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	5,378
San Mateo	21	22	Fr.	French Line	Vancouver, B. C.	Havre, France	Lumber, gen.	7,343
Paula	21	21	Dan.	West Coast Line	Los Vilos, Chile.	New York, N. Y.	Copper ore	2,450
Real <sup>2</sup>	21	22	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
Tuira <sup>2</sup>	21	22	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	59
Frank <sup>2</sup>	21	23	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
La Union <sup>2</sup>	21	22	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	30
Blue Moon <sup>13</sup>	21	21	Pan.	Jose D. Rodomiche	Panama, R. P.	Colon, R. P.	Ballast	
Silverpalm <sup>2</sup>	21	23	Brit.	Silver Line, Ltd.	Vancouver, B. C.	Calcutta, India	Lumber, gen.	6,378
Merchant Royal	21	22	Brit.	Seaboard Ship. Co.	Fraser River, B. C.	Montreal, Canada	Lumber, rice	6,779
Navarino	21	22	Brit.	Canadian Transp. Co.	Portland, Oreg.	Garston, England	Lum., grain	8,867
Iowan	21	22	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	5,230
Sanyo Maru <sup>2</sup>	22	22	Jap.	Osaka Shosen Kaisha	Kobe, Japan	Buenos Aires, Arg.	General	1,484
Anniston City	22	22	Amer.	Isthmian S. S. Lines.	S. Francisco, Cal.	Avonmouth, Eng.	Lumber, gen.	8,157
Tolken	22	23	Swed.	Transatlantic S. S. Co.	Nauru Is., B. M.	Kotka, Finland	Phosphates	7,500
Washington	22	22	Amer.	Weyerhaeuser S. S. Co.	Everett, Wash.	Philadelphia, Pa.	Lumber, gen.	7,367
Lady Clara <sup>2</sup>	22	22	Amer.	B. W. Stephenson	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Katsuragi Maru <sup>2</sup>	23	23	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	New York, N. Y.	Silk, gen.	808
W. R. Keever	23	23	Amer.	Dutton Lumber Corp.	Portland, Oreg.	New York, N. Y.	Lumber	7,500
Tai Ping Yang <sup>2</sup>	23	24	Nor.	Barber-Wilhelmsen	Davao, P. I.	New York, N. Y.	General	5,163
Istmo	23	25	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	(19)	724
Cerigo	23	25	Ger.	Hamburg-Amer. Line.	Callao, Peru.	Cristobal, C. Z.	Coffee, gen.	1,187
Horace Luckenbach	23	24	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	8,561
Sveve <sup>1</sup> 2	24	24	Nor.	Eagle Oil & Ship. Co.	S. Francisco, Cal.	Curacao, N. W. I.	Gasoline	9,268
Nero <sup>2</sup>	24	26	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	499
San Calisto <sup>1</sup> 2	24	24	Brit.	Anglo-Mex. Pet. Co.	Martinez, Calif.	United Kingdom.	Gasoline	11,448
Franz Klasi <sup>1</sup> 2	24	24	Pan.	W. Tankschiff Rhed'.	Talara, Peru.	Rotterdam, Neth.	Mineral oil	17,523
Noto Maru <sup>2</sup>	24	25	Jap.	Nippon Yusen Kaisha	Manila, P. I.	New York, N. Y.	Sugar, gen.	6,191
L-53 <sup>6</sup>	24	24	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Tacoma	25	26	Ger.	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	Lumber, gen.	8,293
Asaka Maru <sup>2</sup>	25	25	Jap.	Nippon Yusen Kaisha	Yokohama, Japan	Hamburg, Ger.	General	7,683
Maine	25	25	Amer.	Calif.-Eastern Line	San Diego, Calif.	Jacksonville, Fla.	Lumber, gen.	7,002
Heranger <sup>2</sup>	25	25	Nor.	Intercean S. S. Corp.	Seattle, Wash.	Rotterdam, Neth.	(20)	7,826
Atenas	25	25	Amer.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	1,505
Marie Bakke <sup>2</sup>	24	25	Nor.	Knut Knutsen	Vancouver, B. C.	S'hampton, Eng.	Lumber, gen.	6,496
Laguna <sup>2</sup>	25	26	Brit.	Pacific Steam Nav. Co.	Coronel, Chile.	Liverpool, Eng.	General	8,689

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Launch. <sup>4</sup> Destroyer. <sup>5</sup> Motor boat and panga. <sup>6</sup> Lumber, canned goods. <sup>7</sup> Nitrates, sulphate. <sup>8</sup> Plantains, lumber. <sup>9</sup> For orders. <sup>10</sup> Sugar, canned pines. <sup>11</sup> Coffee, printed matter. <sup>12</sup> Grain, lumber, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Brazilian Reefer <sup>2</sup>	25	25	Dan.	J. Lauritzen	Los Angeles, Cal.	Goth'burg, Swed.	Oranges	1,548
Kunikawa Maru <sup>2</sup>	25	26	Jap.	Kawasaki K. Kaisha	Dairen, China	New York, N. Y.	Oil, gen.	2,091
Resguardo Nacional <sup>2</sup>	25	...	Pan.	Panama Government	Panama, R. P.	Gamboa, C. Z. <sup>13</sup>	Tow, launch.	
Ida <sup>2</sup>	25	...	Pan.	N. Lombardovega	Panama, R. P.	Colon, R. P.	Ballast	
Winslow <sup>5</sup>	25	...	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Masmar	25	26	Amer.	Calmar S. S. Corp.	Seattle, Wash.	Baltimore, Md.	(14)	5,759
Florence Luckenbach	26	26	Amer.	Luckenbach Line	Portland, Oreg.	Mobile, Ala.	General	4,928
Chio <sup>2</sup>	26	27	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides	531
Willmoto <sup>2</sup>	26	26	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	7,105
Hegira	26	26	Amer.	Weyerhaeuser S. S. Co	S. Francisco, Cal.	Baltimore, Md.	Lumber, gen.	10,000
Amagisan Maru <sup>2</sup>	26	26	Jap.	Mitsui Bussan Kaisha	Iloilo, P. I.	New York, N. Y.	(15)	8,625
Porto Bello <sup>2</sup>	25	26	Pan.	Antonio Tagaropulos	Darien, R. P.	Colon, R. P.	(16)	14
Margaret Johnson <sup>2</sup>	27	28	Swed.	Red. AB Nordstjerner	Vancouver, B. C.	Stockholm, Swed.	General	6,249
Eridan <sup>2</sup>	27	28	Fr.	Messageries Marit'es	Noumea, N. Caled	Marseilles, France	Coffe, gen.	4,733
Loosdrecht <sup>1 2</sup>	27	27	Neth.	Van Ommerman Co.	S. Francisco, Cal.	Hamburg, Ger.	Gasoline	14,016
Pennsylvanian	27	27	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	General	5,389
Mill Hill	27	27	Brit.	Chile Nit. Sales Corp.	Iquique, Chile	Azores <sup>17</sup>	Nitrate	7,250
Dalhanna	27	27	Brit.	Seaboard Lumber Co.	Vancouver, B. C.	London, England	Grain, lum.	6,727
Vibrant <sup>2</sup>	27	27	Nor.	Knut Knutsen Line	Los Angeles, Cal.	Liverpool, Eng.	Fresh fruit	1,600
L-41 <sup>5</sup>	27	...	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Kiyosumi Maru <sup>2</sup>	28	28	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	Quebec, Canada	Silk, gen.	3,175
General Wm. M. Graham <sup>11</sup>	28	...	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Chickasaw City	28	28	Amer.	Isthmian S. S. Lines	Hawaiian Is.	New York, N. Y.	(18)	8,357
City of Glasgow	28	29	Brit.	Mont.-Aust.-N.Z. Line	Noumea, N. Caled	Montreal, Canada	General	6,142
St. Mihiel <sup>8</sup>	28	29	Amer.	U. S. Army	S. Francisco, Cal.	Brooklyn, N. Y.	General	169
Sambu <sup>2</sup>	28	29	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	45
Tuira <sup>2</sup>	28	29	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	63
Pirre <sup>2</sup>	28	29	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	45
Sona <sup>2</sup>	28	29	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	30
Real <sup>2</sup>	28	29	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	24
Frank <sup>2</sup>	28	30	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	26
Bethore	29	29	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,500
West Nilus	4	29	Amer.	McCormick S. S. Co.	N. West'er, B. C.	Buenos Aires, Arg.	General	6,808
Rena <sup>2</sup>	28	29	Nor.	J. J. Moore & Co.	Manila, P. I.	New Orleans, La.	Sugar	7,390
Germania <sup>1 2</sup>	29	30	Ger.	Standard Oil of N. J.	Talara, Peru	Rotterdam, Neth.	(19)	14,200
Bogota <sup>2</sup>	29	7-2	Ger.	North German Lloyd	Guayaquil, Ecua.	Cartagena, Col.	Coffee, gen.	1,024
Doric Star	30	30	Brit.	Blue Star Line	N. Plymouth, N.Z.	London, England	(20)	7,126
Honolulan	30	30	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	5,142
Santa Maria <sup>2</sup>	30	30	Amer.	Grace Line	Valparaiso, Chile	New York, N. Y.	General	3,894
Metakana	29	30	Brit.	Shaw, Savill & Albion	Oamaru, N. Z.	Glasgow, Scot.	General	6,309
Snaragd	30	5	Nor.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	Coffee, gen.	902
Istmo	30	2	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	(21)	728
Ino <sup>2</sup>	7-1	2	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	315
Hoxbar <sup>1</sup>	1	1	Amer.	Petrol Corp., L. A.	Pt. Petrol, Calif.	Baltimore, Md.	Crude oil	9,900
Waynegate	1	1	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile	Azores <sup>17</sup>	Nitrate	7,428
Bedegraven	1	1	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	7,769
K. I. Luckenbach	1	1	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	7,707
Marchen Maersk <sup>2</sup>	1	3	Dan.	A. P. Moller	Cebu, P. I.	New York, N. Y.	General	6,847
Snapper <sup>7</sup>	1	...	Amer.	U. S. Navy	Valparaiso, Chile	Portsmouth, N.H.		
Cerigo	2	4	Ger.	Hamburg-Amer. Line	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides	610
Cubore	1	3	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	10,660
Abangarez	2	2	Amer.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	1,800
Edwin Christenson	2	2	Amer.	Sudden & Christenson	So. Bend, Wash.	Baltimore, Md.	Lumber	7,220
Belita <sup>1 2</sup>	2	2	Nor.	Sigurd Honningsvaag	San Luis, Calif.	Antwerp, Belg.	Crude oil	9,787
Meton <sup>1</sup>	2	3	Amer.	Shell Oil Co.	El Segundo, Calif.	Curacao, N. W. I.	Gas oil	10,615
Athelcrown <sup>1 2</sup>	2	3	Brit.	United Molasses Co.	Hilo, T. H.	United Kingdom	Molasses	17,527
Kosei Maru <sup>2</sup>	2	3	Jap.	Hiroumi Shoji Kaisha	Kobe, Japan	New York, N. Y.	Silk, gen.	9,213
Wind Rush	3	3	Amer.	Shepard S. S. Co.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,856
Nako Maru <sup>2</sup>	3	3	Jap.	Nippon Yusen Kaisha	Manila, P. I.	Baltimore, Md.	Sugar, gen.	4,215
Helen Whittier	3	3	Amer.	Bulk Carriers Corp.	Astoria, Oreg.	Philadelphia, Pa.	Lumber	7,734
Dusseldorf <sup>2</sup>	3	4	Ger.	North German Lloyd	Coronel, Chile	Hamburg, Ger.	General	5,142
Washington Express <sup>2</sup>	3	3	Nor.	Fruit Express Line	Los Angeles, Cal.	London, England	Fruit	2,000
Point Ancha	3	3	Amer.	Swayne & Hoyt	Seattle, Wash.	New Orleans, La.	General	6,143
Sirma	3	3	Nor.	Wihl. Wilhelmus	Rashin, Korea	Hamburg, Ger.	Soy beans	8,013
Porto Bello <sup>2</sup>	2	5	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(16)	3
Santa Inez <sup>2</sup>	3	4	Amer.	Grace Line	Chanaral, Chile	New York, N. Y.	General	3,075
Reginolite <sup>1 2</sup>	4	4	Brit.	Imperial Oil Ship. Co.	Lobitos, Peru	Halifax, N. S.	Crude oil	12,186
Fordsdale	4	4	Brit.	Shaw, Savill & Albion	Pt. Chalmers, N.Z.	London, England	Frozen, gen.	5,089
San Conrado <sup>1 2</sup>	4	4	Brit.	Anglo-Mex. Oil Co.	Los Angeles, Cal.	United Kingdom	Gasoline	11,736
Orduna	4	5	Brit.	Pacific Steam Nav. Co.	Taleahuano, Chile	Liverpool, Eng.	General	4,876
San Jose	4	5	Fr.	French Line	Vancouver, B. C.	Havre, France	General	6,540

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Launch. <sup>4</sup> Submarine. <sup>5</sup> Transport. <sup>6</sup> Mine planter. <sup>7</sup> And return to Balboa, C. Z. <sup>8</sup> Lumber, copper slabs. <sup>9</sup> Sugar, silk, general. <sup>10</sup> Lumber, plantains. <sup>11</sup> For orders. <sup>12</sup> Sugar, pines, cane. <sup>13</sup> Gasoline and gas oil. <sup>14</sup> Refrigerated and general. <sup>15</sup> Coffee, printed matter.

## PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
West Ivis.....	4	7	Amer.	McCormick S. S. Co.	Vancouver, B. C.	Buenos Aires, Arg.	Lumber, gen.	6,020
Mexican.....	4	5	Amer.	Amer.-Hawaiian Line.	Los Angeles, Cal.	Boston, Mass.	General.....	7,058
Alaska.....	5	7	Fr.	French Line.....	Talcahuano, Chile	Havre, France	General.....	8,350
San Gabriel.....	5	5	Amer.	Pac.-Atlantic S. S. Co.	Marshfield, Ore.	Philadelphia, Pa.	Lumber, gen.	5,603
Nuevo Panama <sup>2</sup>	5	6	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	85
W. H. Berg <sup>1</sup>	5	5	Amer.	Standard Oil of Calif.	Los Angeles, Cal.	England.....	Gasoline.....	11,355
Chateau Thierry <sup>8</sup>	5	6	Amer.	U. S. Army.....	Balboa, C. Z.	New York, N. Y.	Army stores.	105
Tosan Maru.....	5	6	Jap.	Osaka Shosen Kaisha.	Singapore, St. Sett	Baltimore, Md.	Sugar, gen.	5,380
Berganger <sup>2</sup>	5	6	Nor.	Interocean S. S. Line.	Portland, Ore.	Rotterdam, Neth.	Lumber, gen.	8,947
African Reefer <sup>2</sup>	5	5	Dan.	J. Lauritzen.....	Los Angeles, Cal.	Havre, France	Fresh fruit.	1,600
La Union <sup>2</sup>	5	6	Pan.	A. A. Valdes.....	Bayano, R. P.	Cristobal, C. Z.	Bananas.....	21
Sambu <sup>2</sup>	5	6	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	54
Frank <sup>2</sup>	5	5	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	37
Portland <sup>2</sup>	5	6	Ger.	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	General.....	7,752
American.....	6	6	Amer.	Amer.-Hawaiian Line.	Portland, Ore.	Boston, Mass.	Lumber, gen.	5,153
Jutland.....	6	6	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	Liverpool, Eng.	(13)	8,710
Constance Chandler.	6	6	Amer.	Matson Nav. Co.	Los Angeles, Cal.	New Orleans, La.	Sugar, gen.	7,626
Salvador.....	6	1	Brit.	Pacific Steam Nav. Co.	Champ'eo, Guat.	Cristobal, C. Z.	(14)	862
Regulus <sup>1</sup>	6	6	Swed.	Eurotank, Hamburg.	Los Angeles, Cal.	Tampico, Mexico.	Ballast.....	.....
Tiltington Court.	6	6	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Portsmouth, Eng.	Ore, lumber.	8,984
Ludington <sup>8</sup>	5	7	Amer.	U. S. Army.....	Honolulu, T. H.	New York, N. Y.	Army stores.	2,084
Sea Horse <sup>5</sup>	6	1	Amer.	N. E. Parker.....	Balboa, C. Z.	Cristobal, C. Z.	Ballast.....	.....
Mataroa.....	7	8	Brit.	Shaw, Savill & Albion.	Auckland, N. Z.	London, England	Frozen, gen.	4,062
Pacific Pioneer <sup>2</sup>	6	7	Brit.	Furness, Wither & Co.	Vancouver, B. C.	Manchester, Eng.	Fruit, gen.	9,166
Forbes Hauptman	6	7	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	7,337
Suecia <sup>2</sup>	7	7	Swed.	Johnson Line.....	Valparaiso, Chile.	Goth'burg, Swed.	General.....	5,648
Santore.....	7	7	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore.....	11,500
Doctor Brinkley <sup>6</sup>	7	8	Amer.	Dr. J. R. Brinkley	Galapagos Is.	Palm Beach, Fla.	Ballast.....	.....
Geisha <sup>2</sup>	7	7	Nor.	Knut Kruttsen, O.A.S.	Valparaiso, Chile.	Oslo, Norway.....	General.....	6,719
Paul Luckenbach.	7	7	Amer.	Luckenbach Line.....	Seattle, Wash.	Boston, Mass.	Lumber, gen.	9,450
Clio <sup>2</sup>	7	9	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	229
Liberty Glo.....	7	8	Amer.	Amer.-For. S. S. Corp.	Olympia, Wash.	Bridge'pt, Conn.	Lumber.....	7,000
HeFron.....	8	8	Amer.	Pac. Coast Dir. Line.	S. Francisco, Cal.	Norfolk, Va.	Lumber, gen.	10,032
Sessa.....	8	8	Dan.	West Coast Line.....	Valparaiso, Chile.	New York, N. Y.	General.....	2,845
Rotorua.....	7	8	Brit.	N. Z. Shipping Co.	Napier, N. Z.	London, England	Wool, gen.	4,846
Fella <sup>2</sup>	8	10	Ital.	Italian Line.....	Vancouver, B. C.	Trieste, Italy.....	General.....	6,380
Gregalia.....	8	9	Brit.	Donaldson Line.....	Vancouver, B. C.	Glasgow, Scotland	General.....	6,894
Firmore.....	9	9	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore.....	11,850
Sildra <sup>1</sup>	9	9	Nor.	Standard Oil of N. J.	Talara, Peru.	Vallo, Norway.....	Crude oil.....	10,917
Temple Yard.....	9	9	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	London, England	Sprial, lum.	8,310
Skrarnstad <sup>2</sup>	8	9	Nor.	Fern Line.....	Manila, P. I.	New York, N. Y.	(15)	6,609
Edda.....	9	9	Ital.	Blue Star Line.....	Los Angeles, Cal.	Rotterdam, Neth.	(16)	3,379
Atenas.....	9	9	Amer.	United Fruit Co.	Pto. Arm'les, R. P.	Mobile, Ala.	Bananas.....	1,212
Nero <sup>2</sup>	9	10	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides.	540
Manizales.....	9	9	Ger.	North German Lloyd.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	498
Steel Exporter	9	9	Amer.	Isthmian S. S. Lines.	Taeoama, Wash.	Baltimore, Md.	Lumber, gen.	7,677
Sona <sup>2</sup>	9	10	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	35
Taira <sup>2</sup>	9	10	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	45
Porto Bello <sup>2</sup>	9	10	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(17)	7
Villanger <sup>2</sup>	9	10	Nor.	Interocean S. S. Corp.	Pr. Rupert, B. C.	Rotterdam, Neth.	Lumber, gen.	7,500
Chilean Reefer <sup>2</sup>	10	10	Dan.	J. Lauritzen.....	Los Angeles, Cal.	Liverpool, Eng.	Fresh fruit.	1,430
Mauna Kea.....	10	10	Amer.	Matson Nav. Co.	Los Angeles, Cal.	Baltimore, Md.	Sugar, pines.	7,760
Edgar F. Luckenbach.	10	10	Amer.	Luckenbach-Gulf Co.	Portland, Ore.	Tampa, Fla.	General.....	7,423
Istmo.....	10	10	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee.....	727

<sup>1</sup> Tanker. <sup>2</sup> Motor ship. <sup>3</sup> Launch. <sup>4</sup> Yacht. <sup>5</sup> Transport. <sup>6</sup> Barley, lumber, general. <sup>7</sup> Coffee, hides, bullion. <sup>8</sup> Cromite ore, general. <sup>9</sup> Citrus fruits, borax. <sup>10</sup> Plantains, lumber.

## Coal

Coal, bunker, U. S. Navy Standard Pool No. 1, run-of-mine, Pocahontas, or New River, is supplied to steamships, including warships of all nations, trimmed in bunkers at the following prices, per ton of 2,240 pounds: Cristobal, first 250 tons, \$7.75 per ton; second 250 tons, \$7 per ton; balance over 500 tons, \$6.50 per ton. Balboa, first 250 tons, \$10.75 per ton; second 250 tons, \$10 per ton; balance over 500 tons, \$9.50 per ton.

Extra charges are made in accordance with a published tariff for special trimming at the request of the officers of the ship, for galley, lump, or run-of-mine coal in sacks, and for delivery, when coal is furnished from lighters or launches away from the coaling piers.

Coal can be bunkered by bunkering machines at any rate up to 1,500 tons per hour, regulated by the amount of necessary trimming.

Coal for cargo is sold under the same conditions and at prices quoted for sale of coal for bunkers.



### Comparison of Traffic at the Suez and Panama Canals for the First Eleven Months of the Fiscal Years 1937 and 1938

The following is a comparison of traffic at the Suez and Panama Canals for the first eleven months of the fiscal years 1937 and 1938:

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1936-37	1937-38	Increase	Decrease	1936-37	1937-38	Increase	Decrease
July	466	551	18.2		456	457	0.2	
August	471	532	13.2		473	505	6.8	
September	479	522	9.0		466	444		4.7
October	490	557	13.7		482	461		4.4
November	511	525	2.7		368	435	11.8	
December	508	541	6.5		341	439	28.7	
January	575	544		5.4	399	444	11.3	
February	524	508		3.1	377	436	15.6	
March	580	578		0.4	536	506		5.6
April	621	516		16.9	473	487	3.0	
May	567	479		15.5	544	465		14.5
Total	5,792	5,853	1.1		4,915	5,079	3.3	

### Commercial Traffic Through the Panama Canal During Fiscal Year 1938

Segregation of the ocean-going traffic through the Canal during the fiscal year 1938, by nationality, is presented in the following table:

#### TRAFFIC THROUGH THE PANAMA CANAL DURING FISCAL YEAR 1938 BY NATIONALITY OF VESSELS

Nationality	No. of ships	TONNAGE			Tolls	Tons of cargo
		<sup>20</sup> Panama Canal net	Registered gross	Registered net		
British	1,281	7,265,195	8,528,886	5,176,530	\$6,095,622.89	6,417,016
Chilean	9	45,920	59,041	35,649	38,542.20	28,787
Chinese	2	7,893	10,025	6,270	7,851.25	13,113
Cuban	2				1,200.00	
Danish	223	909,514	985,962	592,007	707,358.05	865,235
Estonian	2	4,674	6,396	3,946	4,131.39	4,695
Finnish	1	3,575	4,746	2,889	3,188.60	4,021
French	105	587,292	720,290	400,562	478,537.58	567,288
German	357	1,461,033	1,701,376	1,005,063	1,219,327.57	1,518,593
Greek	94	423,646	489,982	298,333	366,886.38	525,351
Honduran	22	37,384	58,475	34,176	33,432.02	8,478
Hungarian	5	19,929	20,460	12,878	15,938.22	24,411
Italian	52	357,925	434,293	257,021	275,883.26	153,417
Japanese	300	1,846,345	2,166,163	1,328,873	1,597,308.26	1,877,502
Latvian	3	8,310	9,612	5,625	6,356.70	4,900
Netherlands	285	825,287	914,771	543,373	669,937.78	749,642
Norwegian	667	3,259,366	3,643,322	2,179,898	2,581,563.96	3,433,571
Panamanian	182	368,885	504,187	286,529	319,081.22	415,561
Peruvian	5	9,759	14,260	8,751	9,802.45	7,151
Philippine	3	18,565	21,463	13,240	13,929.30	8,441
Spanish	2	9,085	12,389	7,495	9,416.25	15,280
Swedish	119	579,572	926,474	467,988	446,034.54	763,049
Union of Soviet Socialist Republics	5	9,525	13,252	8,215	9,315.95	10,419
United States	1,780	9,905,991	11,591,450	6,897,586	8,204,528.23	9,892,619
Venezuelan	4	5,668	9,714	5,304	4,899.78	3,971
Yugo Slav	14	57,771	71,188	43,660	49,804.87	73,413
Total fiscal year 1938	5,524	28,058,109	32,918,177	19,621,870	23,169,888.70	27,385,924
Total fiscal year 1937	5,387	27,491,622	32,575,300	19,303,366	23,102,137.12	28,108,375
Total fiscal year 1936	5,382	28,024,417	33,130,259	19,643,946	23,479,114.21	26,505,943

<sup>20</sup> These figures indicate the Panama Canal net tonnage as determined under the measurement rules in effect prior to March 1, 1938.

NOTE.—The above statement includes only ocean-going commercial traffic of 300 net tons and over, Panama Canal measurement, and foreign naval vessels of 500 tons displacement and over.

Floating craft, other than merchant vessels, including foreign warships, pay tolls on displacement tonnage at 50 cents per displacement ton. Included in the preceding tabulation of transits and tolls but not of tonnages, are the following 11 foreign naval vessels of 500 tons displacement and over and 1 United States dredge which transited the Canal during the fiscal year 1938 and paid tolls on displacement:



Nationality	No. of transits	Displacement tonnage	Tolls
British.....	7	36,233	\$18,116.50
Cuban.....	2	2,400	1,200.00
French.....	1	7,428	3,714.50
German.....	1	13,312	6,656.00
United States (dredge).....	1	1,370	685.00
Total.....	12	60,744	30,372.00

## Directory of The Panama Canal

### Executive Department

Headquarters, Balboa Heights

Brig. Gen. C. S. RIDLEY, U. S. A., Governor.

L. A. Poltrino, Secretary.

E. A. Erbe, Administrative Assistant to the Governor.

C. A. McILVAINE, Executive Secretary.

C. M. LUPFER, Chief Clerk, Executive Office.

GUY JOHANNES, Chief, Police and Fire Division.

C. H. CALHOUN, Chief, Division of Civil Affairs.

BEN M. WILLIAMS, Superintendent, Division of Schools.

SEYMOUR PAUL, Chief Personnel Officer, Division of Personnel Administration.

E. F. ATTAWAY, General Secretary, Bureau of Clubs and Playgrounds, Balboa.

ALFRED F. MORRIS, Chief, Real Estate Section, Ancon.

F. H. WANG, General Counsel, Panama Canal.

ROBERT W. GLAW, Paymaster.

ALFRED H. MOHR, Collector.

### Department of Operation and Maintenance

(Under immediate direction of the Governor as head of the department)

Headquarters, Balboa Heights

Col. G. E. EDGERTON, U. S. A., Engineer of Maintenance.

J. G. CLAYBOURN, Superintendent, Dredging Division, Gamboa.

LEONARD FOOTE, Assistant Superintendent, Dredging Division, Gamboa.

E. S. RANDOLPH, Designing Engineer, Special Engineering Section.

W. H. DUNLOP, Chief of Plans Section.

Lt. Col. W. D. STYER, U. S. A., Assistant Engineer of Maintenance.

A. C. GARLINGTON, Electrical Engineer, Electrical Division.

G. W. GREEN, Municipal Engineer, Division of Municipal Engineering.

L. B. MOORE, Office Engineer.

E. D. STILLWELL, Superintendent, Locks Division, Pedro Miguel.

R. Z. KIRKPATRICK, Chief of Surveys, Section of Surveys.

J. F. PATE, Supervisor, Gatun Dam, Gatun.

Capt. THOS. A. SYMINGTON, U. S. N., Marine Superintendent, Marine Division.

Comdr. JOHN G. MOYER, U. S. N., Captain of the Port, Cristobal.

Comdr. GEORGE T. HOWARD, U. S. N., Captain of the Port, Balboa.

Lt. Comdr. W. S. BITLER, U. S. N., Assistant to Marine Superintendent.

F. DE V. SILL, Director of Admeasurement.

BOARD OF LOCAL INSPECTORS, Comdr. JOHN G. MOYER, U. S. N., *Chairman*,

Comdr. GEORGE T. HOWARD, U. S. N., and Lt. Comdr. W. S. BITLER, U. S. N., members.

BOARD OF ADMEASUREMENT, Capt. THOS. A. SYMINGTON, U. S. N., *Chairman*,

F. DE V. SILL, F. E. WILLIAMS, Cristobal, E. STETLER, Balboa, members.  
John J. Walker, Recorder for Board of Local Inspectors and Board of Admeasurement.

O. MAESSEN, Inspector of Hulls and Boilers.

G. W. PENSEYRES, Pilot in Charge, Lighthouse Subdivision, Gatun.

Capt. E. R. NORTON, Construction Corps, U. S. N., Superintendent, Mechanical Division, Balboa.

H. H. EVANS, Assistant Superintendent, Mechanical Division, Balboa.

Lt. DALE QUARTON, U. S. N., Assistant to the Superintendent, Mechanical Division, Balboa.

W. H. STONE, Production Superintendent, Cristobal Shops, Cristobal.

**Supply Department**

Headquarters, Balboa Heights

- ROY R. WATSON, Chief Quartermaster.  
 J. H. K. HUMPHREY, 1st Asst. Chief Quartermaster.  
 L. W. LEWIS, 2d Asst. Chief Quartermaster.  
 SAMUEL GRIER, Superintendent, Animal and Motor Transportation Division, Ancon.  
 W. R. LINDSAY, Acting Director, Canal Zone Experiment Gardens, Balboa Heights.  
 J. E. HIGGINS, Consultant, Canal Zone Experiment Gardens, Balboa Heights.  
 J. M. KING, District Quartermaster, Ancon-Balboa, Balboa Heights.  
 C. PETERS, District Quartermaster, Cristobal-Gatun, Cristobal.  
 B. T. CARR, District Quartermaster, Pedro Miguel-Gamboia, Pedro Miguel.  
 JAS. E. LEWIS, Manager, Hotel Tivoli, Ancon.  
 D. J. HENDRICK, Manager, Hotel Washington, Cristobal.  
 A. W. GOULET, General Manager, Commissary Division, Mt. Hope (P. R. R.).  
 FAY E. POWELL, Constructing Quartermaster.  
 E. H. PARMELEE, General Storekeeper, Balboa.  
 T. A. AANSTOOS, Printer, Panama Canal Press, Mt. Hope.

**Accounting Department**

Headquarters, Balboa Heights

- WILSON H. KROMER, Comptroller, The Panama Canal.  
 ARNOLD BRUCKNER, Assistant Comptroller on the Isthmus.  
 CARL F. CHASE, Chief Accountant.  
 T. M. DRAKE, Chief Examiner.  
 H. H. HUDSON, Claim Officer.  
 J. R. BOBBITT, Railroad Accountant.

**Health Department**

Headquarters, Balboa Heights

- Col. H. C. PILLSBURY, U. S. A., Chief Health Officer.  
 Dr. D. P. CURRY, Assistant Chief Health Officer.  
 Dr. O. E. DENNEY, U. S. P. H. S., Chief Quarantine Officer.  
 Col. W. H. RICHARDSON, U. S. A., Superintendent, Gorgas Hospital, Ancon.  
 Lt. Col. FREDERICK H. PETERS, U. S. A., Superintendent, Colon Hospital, Cristobal.  
 Lt. Col. CLEVE C. ODOM, U. S. A., Superintendent, Corozal Hospital, Corozal.  
 Dr. J. C. ELLINGTON, Health Officer of Panama City, Ancon.  
 Dr. J. L. BYRD, Health Officer of Cristobal-Colon, Cristobal.  
 Dr. PHILIP HORWITZ, Quarantine Officer, Cristobal.  
 Dr. J. D. ODOM, Quarantine Officer, Balboa.

**Wage and Complaints Boards**

Balboa Heights

*Wage Board:*

- Lt. Col. W. D. STYER, representing The Panama Canal.  
 CHARLES F. WAHL, representing employees.

*Complaints Board:*

- Lt. Col. W. D. STYER, and head of Department or Division interested, representing The Panama Canal.  
 CHARLES F. WAHL, representing employees.

**The Panama Canal in the United States**

New address, 1435 K Street N. W., Washington, D. C.

- H. A. A. SMITH, Chief of Office, and General Purchasing Officer.  
 F. B. HEIMER, Assistant to the Chief of Office.  
 E. D. ANDERSON, Chief Clerk, Purchasing Department.  
 B. F. BURDICK, Assistant Comptroller.  
 P. P. GREENWOOD, Inspecting Engineer, Washington, D. C.  
 W. J. SHERIDAN, Assistant Purchasing Agent, 24 State St., New York, N. Y.

**Panama Railroad Company**

Headquarters Balboa Heights

- Brig. Gen. C. S. RIDLEY, U. S. A., President.  
 Col. G. E. EDGERTON, U. S. A., Second Vice President.  
 C. T. LINDSAY, General Manager.  
 E. D. MASON, Assistant to General Manager.  
 J. H. STILSON, JR., Commercial Agent.  
 P. L. MALONE, Master of Transportation.  
 E. N. STOKES, Roadmaster.  
 A. L. PRATHER, Receiving and Forwarding Agent, Cristobal.  
 W. H. KROMER, Comptroller.  
 R. W. GLAW, Paymaster.  
 A. H. MOHR, Collector.  
 R. R. WATSON, Chief Quartermaster.  
 J. H. K. HUMPHREY, Assistant Chief Quartermaster.  
 Capt. E. R. NORTON, U. S. N., Mechanical Superintendent.  
 Lt. Col. W. D. STYER, U. S. A., Assistant Engineer of Maintenance.  
 A. C. GARLINGTON, Electrical Engineer.  
 F. H. WANG, Special Counsel.  
 J. O. COLLINS, Counsel.

---

*Office in the United States, 24 State Street, New York City*

- T. H. ROSSBOTTOM, Vice President.  
 W. R. PFIZER, Assistant to Vice President and Secretary.  
 V. M. NEWTON, Treasurer.  
 G. L. SELKIRK, Auditor.  
 W. K. B. POTTS, Superintendent.  
 E. HATTON, Assistant Superintendent.  
 WAYNE JOHNSON, General Counsel.  
 W. M. LLOYD, Freight Traffic Manager.  
 A. M. GIBSON, Passenger Agent.  
 W. J. SHERIDAN, Commissary Purchasing Agent.

**Courts of Canal Zone***U. S. District Court:*

- BUNK GARDNER, District Judge, Ancon.  
 J. J. WALKER, Clerk of Court, Ancon.  
 C. T. McCORMICK, JR., Deputy Clerk of Court, Cristobal.  
 J. J. McGUIGAN, District Attorney, Ancon.  
 JOHN E. HUSHING, Marshal of the United States in and for the Canal Zone.  
 CHARLES PARKER, Deputy Marshal of the United States in and for the Canal Zone.

*Magistrates Courts:*

- P. E. MURRAY, Magistrate, Balboa.  
 E. I. P. TATELMAN, Magistrate, Cristobal.

**Facilities for Shipping**

The Panama Canal is equipped with all the facilities for the fueling, supply, and repairs of ships which are found in modern ports.

The coaling plants, with an aggregate storage capacity of 700,000 tons, can bunker ships up to 1,500 tons an hour, practically as fast as it can be handled in ships' bunkers. Oil can be delivered as fast as the ships can take it, from ample stocks at both ends of the Canal. Crude fuel oil, Diesel oil, and gasoline are sold.

The ships' chandlery storehouses carry a wide variety of marine supplies and spare parts. The Panama Canal Commissary Division, with facilities at Balboa and Cristobal for delivery of supplies to steamships, carries a complete line of provisions, such as ice, meats (including native beef), fruits, vegetables, eggs, butter, canned goods, cigars, cigarettes and tobacco, which are for sale to ships at reasonable prices. A modern laundry service is also available. Orders may be placed in advance by radio for prompt delivery on arrival at either terminal, or for delivery at the other terminal after transiting the Canal.

A 1,000-foot drydock, a smaller drydock, floating cranes, foundry, and amply equipped shops, employing about 1,100 men, provide means of making practically any kind of marine repairs.

Ample space exists at either terminal of the Canal for the berthing of vessels, as well as large, covered piers for the storage of cargo. These are modern structures: fireproof, rat proof, in splendid condition, well lighted and maintained in a clean and orderly condition.

In general, the services to shipping at the Canal are such as have been developed and found ample and effective in the course of handling large traffic through the Canal during the years of operation.

# INDEX

## A

ACTIVITIES, terminal, monthly statements, 7, 27, 47, 63, 79, 95, 115, 131, 151, 171, 191, 207.  
Address, telegraphic, of The Panama Canal, 141, 184.

## B

BINDERS for THE PANAMA CANAL RECORD, 20, 40, 108, 143.  
Bunker allowance for vessels in ballast, increase of, 142.

## C

CARGO:  
Discharged and laden at terminal ports, 8, 28, 48, 64, 80, 96, 116, 132, 152, 172, 192, 208.  
Handled at terminal ports, 7, 27, 47, 63, 79, 95, 115, 131, 152, 171, 191, 207.  
Origin and destination of, by major areas, 2, 22, 43, 59, 75, 91, 111, 127, 147, 167, 187, 203.  
Census of the Canal Zone, 17.  
Chandlery supplies, available at the Panama Canal, 38, 141, 162.  
Coal, price of, 18, 39, 106, 143, 164, 183, 216.  
Commodities, monthly statements:  
Principal, 3, 23, 43, 59, 75, 91, 111, 127, 147, 167, 187, 203.  
United States intercoastal, and all trade routes, in detail, 3, 23, 43, 59, 76, 91, 111, 127, 148, 168, 187, 203.

## D

DIRECTORY:  
The Panama Canal and Panama Railroad Company, 218.

## F

FACILITIES for shipping available at the Panama Canal, 18, 39, 108, 163, 183, 220.

## H

HOLIDAY greetings, 73.  
Hospital, Gorgas, location of patients and visiting hours, 20, 40, 108, 144, 184.

## I

INFORMATION regarding Panama Canal furnished by consular officers, 40, 104, 144, 183.

## M

MEASUREMENT system, revision of, 141.

## N

NOTICES and circulars of interest to shipping, publication of, 18, 38, 106, 142, 144, 163, 181

## O

OIL, lubricating, available at Panama Canal storehouses, 19, 38, 107, 143, 164, 182.  
Fuel oil, Diesel oil, and coal prices, 18, 39, 80, 96, 140, 150, 183, 208.

## P

PASSENGERS, arriving and departing, 28, 48, 64, 80, 96, 116, 132, 153, 172, 192, 208.  
Propulsion of ships, method of, transiting the Canal, 17, 106.  
Provisions required by ships, available at Panama Canal, 20, 28, 48, 106, 132, 163, 183.  
Publications of notices and circulars of interest to shipping, 18, 38, 106, 142, 144, 163, 181.

## R

RECORDS:  
Largest cargo of lumber transits Canal, 17.  
Largest repair job completed by Mechanical Division, 64.  
Low death rate for Canal Zone for calendar year 1936, 16.

## S

SUEZ CANAL traffic compared with Panama Canal traffic, 8, 37, 72, 88, 105, 116, 140, 153, 181, 192, 217.  
Supplies:  
Miscellaneous, price of, at Panama Canal storehouses, 19, 37, 107, 142, 153, 182.  
Ships' chandlery, 38, 141, 162.

## T

TERMINAL activities, 7, 27, 47, 63, 79, 95, 115, 131, 151, 171, 191, 207.  
Tolls charges for transits of Panama Canal, 39.  
Revision of, 141.  
Traffic:  
Monthly statements—  
All traffic, total of, 1, 21, 41, 57, 73, 89, 109, 125, 145, 165, 185, 201.  
By nationality, 1, 21, 42, 58, 74, 90, 110, 126, 146, 166, 186, 202.  
By trade routes, 2, 22, 42, 58, 74, 90, 110, 126, 146, 166, 186, 202.  
Comparison, current month with same month in previous years, 7, 27, 47, 63, 79, 95, 115, 131, 151, 171, 191, 207.  
Comparison current year with that of previous years, 1, 21, 41, 57, 73, 89, 109, 125, 145, 165, 185, 201.  
Small commercial traffic, 41, 57, 74, 89, 109, 125, 145, 165, 185, 201.  
Tanker traffic, 6, 26, 46, 62, 78, 94, 114, 130, 151, 170, 190, 206.  
Vessels entering and clearing ports, 7, 27, 47, 63, 79, 95, 115, 131, 152, 172, 191, 207.  
Movements of ocean vessels through Canal, 9, 29, 49, 65, 81, 97, 117, 133, 154, 173, 193, 209.  
By nationality during calendar year 1937, including foreign naval vessels, 105.  
By nationality during fiscal year 1938, including foreign naval vessels, 217.  
United States Government vessels transiting Canal free of tolls, number and tolls value thereof, ten years, 17.  
Train schedule, Panama Railroad, departure of trains, from terminals, 20, 40, 143, 184.  
Trips through the Canal, 40, 108, 164, 184.

## W

WATER, density of, in Balboa and Cristobal harbors, 20, 56, 163, 184.

○









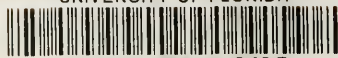








UNIVERSITY OF FLORIDA



3 1262 08543 6185