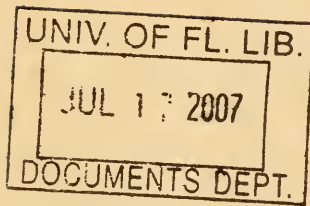


THE PANAMA CANAL RECORD

VOLUME 32

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THE PANAMA CANAL RECORD

PUBLISHED MONTHLY UNDER
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AUGUST 15, 1938 TO JULY 15, 1939

VOLUME XXXII

WITH INDEX

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BALBOA HEIGHTS, CANAL ZONE
1939

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Traffic Through the Panama Canal in July 1938

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

	July 1936	July 1937	July 1938		
			Atlantic to Pacific	Pacific to Atlantic	Total
Ocean-going commercial traffic.....	456	457	218	211	429
Local commercial vessels ¹	38	62	47	33	80
Noncommercial vessels:					
United States Government.....	26	44	12	11	23
Colombian Government.....	2	1	2	2	4
State of New York.....	1				
For repairs.....		1	2	1	3
Total.....	523	565	281	258	539

¹ Vessels under 300 net tons, Panama Canal measurement.

OCEAN-GOING COMMERCIAL TRAFFIC²

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 twelve months ended July 31, 1938, as compared with the twelve months ended July 31, 1937:

Month	No. of vessels		³ Panama Canal net tonnage		Tons of cargo		Tolls	
	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8
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	2,095,402	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	⁴ 2,511,674	3,016,418	2,268,548	2,355,149.04	2,015,585.34
April.....	473	487	2,460,549	⁴ 2,438,985	2,652,880	2,279,235	2,067,026.68	1,961,456.58
May.....	544	465	2,839,127	⁴ 2,322,642	2,950,925	2,309,171	2,376,706.36	1,886,825.66
June.....	472	445	2,450,018	⁴ 2,227,698	2,670,466	2,122,389	2,070,337.89	1,801,291.78
July.....	457	429	2,395,306	⁵ 2,091,000	2,476,366	2,025,660	2,029,642.45	1,694,205.00
Total....	5,388	5,496	27,522,389	27,753,803	28,134,417	26,935,218	23,132,674.39	22,834,451.25

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

³ These figures indicate the Panama Canal net tonnage as determined under the rules of measurement in effect prior to March 1, 1938.

⁴ 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.

⁵ Estimated tonnage under the former rules, based on total of 1,933,816 Panama Canal net tons as now measured.

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 July 1938. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	⁶ Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	47	1,598	\$1,350.54	1,247
Pacific to Atlantic.....	33	1,479	1,286.46	1,407
Total.....	80	3,077	2,637.00	2,654

⁶ As measured under the present Panama Canal rules.

Traffic by Nationality of Vessels⁷ for July 1938

	No. of transits	⁸ Panama Canal net tonnage	Tolls	Tons of cargo
British	90	493,917	\$429,540.12	421,478
Chilean	1	5,014	4,512.60	3,865
Danish	18	61,820	54,339.30	54,942
French	9	45,965	41,044.14	42,940
German	30	105,392	94,552.80	107,318
Greek	4	18,158	16,342.20	31,012
Italian	5	26,773	24,095.70	22,020
Japanese	25	142,119	126,130.14	128,816
Latvian	1	2,738	2,464.20	4,870
Netherlands	29	62,715	56,273.55	56,386
Norwegian	55	245,375	208,755.00	259,492
Panamanian	14	21,980	17,355.78	8,688
Swedish	11	48,427	40,203.18	74,137
United States	135	643,987	571,502.34	809,696
Yugoslav	2	9,436	6,793.92	.....
Total	429	1,933,816	1,694,205.00	2,025,660

⁷ Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.⁸ As measured under the present Panama Canal Rules.

Traffic by Trade Routes for July 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	⁸ Panama Canal net tonnage	Tons of cargo	No. of ships	⁸ Panama Canal net tonnage	Tons of cargo
United States intercoastal	44	215,704	172,288	44	220,783	337,161
East coast United States and:						
Canada	3	13,979	2,540	1	3,954	7,886
Central America and Mexico	1	2,818	.....	2	5,679	3,012
South America	16	62,021	18,612	17	71,719	207,368
Hawaiian Islands	3	14,331	6,241	8	37,324	63,819
Australasia	6	36,583	31,154	.....	.....	.....
Philippine Islands	8	45,559	28,706	14	75,463	83,657
Far East	21	107,767	131,857	2	12,421	4,476
Canada intercoastal	2	10,072	12,396	.....	.....	.....
East coast Canada and:						
South America	.....	.....	.....	1	5,513	12,186
Australasia	4	20,839	20,998	2	11,053	6,328
Far East	1	4,339	7,500	.....	.....	.....
Central America and Mexico intercoastal	1	3,643	6,524	.....	.....	.....
East coast Central America/Mexico, and United States	.....	.....	.....	1	7,456	.....
East coast Central America/Mexico and Far East	.....	.....	.....	1	6,838	.....
South America intercoastal	4	4,892	7,754	1	1,355	.....
East coast South America and:						
United States	1	4,551	2,269	.....	.....	.....
Canada	1	4,032	3,364	1	4,573	6,020
Far East	2	11,832	7,696	1	5,425	1,968
Cristobal and:						
Central America and Mexico	4	2,601	3,670	4	2,601	3,214
South America	18	9,952	3,227	19	11,192	10,244
West Indies and:						
United States	.....	.....	.....	4	20,689	42,802
Canada	1	4,958	6,175	.....	.....	.....
Central America and Mexico	1	3,238	.....	.....	.....	.....
South America	1	7,468	13,865	.....	.....	.....
Europe and:						
United States	17	69,707	267	17	65,715	101,188
Canada	26	139,643	37,982	28	149,654	217,580
Central America and Mexico	.....	.....	.....	1	3,221	723
South America	20	108,134	43,729	29	147,203	206,244
Hawaiian Islands	1	5,026	8,919	1	8,696	17,527
Australasia	6	49,651	38,124	7	49,251	38,685
Europe and:						
Far East	1	5,659	7,157	3	13,686	24,823
Egypt and South America	1	3,705	.....	.....	.....	.....
Around the world	.....	.....	.....	1	6,555	5,735
Foreign vessels in ballast (United States intercoastal)	3	12,563	.....	.....	.....	.....
Vessels not engaged in commerce	.....	.....	.....	⁹ 1	530	.....
Total	218	985,267	623,014	211	945,549	1,402,646

⁸ As measured under the present Panama Canal rules.⁹ Yacht.

Origin and Destination of Cargo by Major Areas

The following table summarizes the origin of cargo passing through the Canal in July 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.....	174,245	14,461	159,449	16,699	28,398	393,252
Other North America.....	1,864	31,280	9,613	20,957	23,866	87,580
Europe.....	25,987	18,995	2,481	35,394	37,462	120,319
Miscellaneous.....	6,755	151	6,957	7,450	550	21,863
Total.....	208,851	64,887	178,500	80,500	90,276	623,014

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	332,803	52,215	202,887	7,435	595,340
Canada.....	7,886	3,542	110,835	1,007	123,270
Other North America.....	66,831	3,415	18,059		88,305
South America.....	202,631	29,233	204,124	54	436,042
Australasia.....	4,792	1,536	38,685		45,013
Asia.....	86,793	2,732	24,823	328	114,676
Total.....	701,736	92,673	599,413	8,824	1,402,646

Principal Commodities

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

Commodity	July		Commodity	July	
	1937	1938		1937	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Asphalt and tar.....	22,548	7,787	Beans, edible, dry.....	13,466	16,431
Automobiles and parts.....	31,733	17,813	Borax.....	15,484	5,607
Cement.....	19,264	9,951	Canned goods, various.....	51,006	71,164
Coal and coke.....	12,498	9,035	Coffee.....	14,651	14,465
Cotton, raw.....	9,633	13,663	Cold storage (food products) ¹⁰	15,381	27,616
Iron and steel.....	202,737	115,869	Cotton, raw.....	12,801	14,113
Machinery.....	19,425	11,972	Flour.....	16,023	13,718
Manufactured goods.....	11,512	14,400	Fruit, dried.....	10,759	17,134
Metals, various.....	126,289	21,844	Fruit, fresh ¹¹	2,375	36,379
Oils, mineral.....	52,412	61,501	Lumber.....	324,907	212,358
Ores.....	23,045	2,074	Metals, various.....	54,058	62,851
Paper and paper products.....	44,385	34,936	Molasses and syrups.....	9,045	18,889
Phosphates.....	51,112	2,697	Nitrates.....	56,794	80,714
Scrap metals.....	116,766	67,898	Oils, mineral.....	306,973	239,454
Soda and sodium compounds.....	10,022	2,997	Oils, vegetable.....	16,948	10,781
Sulphur.....	29,274	13,690	Ores.....	204,967	193,902
Tinplate.....	23,268	13,722	Paper and paper products.....	14,293	6,171
Wood pulp.....	12,867	3,830	Soy beans.....	35	24,823
<i>Pacific to Atlantic</i>			Sugar.....	114,751	125,818
Asphalt and tar.....	9,942	11,110	Wheat.....	21,107	45,709
Barley.....	1,988	24,319	Wood pulp.....	22,402	14,376

¹⁰ Except fresh fruit. ¹¹ Except bananas.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of July 1938, as reported in the cargo declarations showing the movement, by direction, 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.....			178	568
Agricultural implements.....	609	9	4,657	11
Alfalfa meal.....		643		1,221
Ammonium compounds.....	140	22	3,328	22
Animal foods ¹²	81	73	92	73
Apparel, wearing (hats, shoes, clothing, etc.).....	333		336	23
Asbestos.....	359		1,991	1
Asphalt and tar.....	108	10,737	7,787	11,110
Automobiles (and autotricks).....	947	14	11,575	27
Automobile parts and accessories.....	287	52	6,238	73
Bags and bagging, textile.....	125		405	369
Bamboo and products.....				12
Bananas.....				4,319
Barks, miscellaneous.....		95		708
Barley.....		48		24,319
Beans, edible, dry.....	116	5,249	116	16,431
Beer.....	26		185	
Beverages, nonalcoholic.....	12		12	
Blood and tankage.....			85	170
Bones and bone meal.....			148	10
Books and printed matter.....	60		60	
Bran and pollards.....		498	107	5,607
Bricks and tile.....				2,107
Camphor, crude.....	71		296	
Canned and preserved goods:				68
Fish.....	295	9,695	582	12,267
Fruit.....	734	18,018	775	40,454
Meat.....	119	193	786	871
Milk.....		109	708	221
Soup.....	3,038		3,213	3
Vegetables.....	367	9,559	620	10,004
Miscellaneous and unclassified.....	952	6,190	2,862	7,344
Carbon black.....			809	17
Celite.....		759		855
Cement.....	615		9,951	7
Chalk.....			1,025	
Charcoal.....	150	2		12
Chemicals ¹²	3,476	425	8,664	2,321
Clay, china and fire.....	455	232	3,268	413
Clay, filtering.....				89
Coal.....	630		5,266	
Cocoa and cacao beans.....	242		700	963
Coconuts and products ¹²	30	1,182	56	2,315
Coffee.....	158		5,738	14,465
Coke.....			3,769	
Cold storage and refrigerated products:				
Dairy products.....		126	170	10,726
Eggs.....			5	273
Fish.....			23	316
Lard.....	375		424	120
Meats.....			292	15,983
Poultry.....			16	2
Vegetables.....		16	10	196
Other and unclassified.....			11	
Confectionery.....	644		674	
Copra.....				8,439
Copra meal and cake.....				1,204
Cotton, raw.....		924	13,663	14,113
Creosote.....			5,033	
Drugs and medicines.....	1,962	18	2,419	18
Dyes.....			282	3
Earthenware.....	39		184	124
Electrical apparatus and appliances.....	1,976	111	2,847	158
Enamelware and metalware.....	236		236	115
Explosives.....	133		564	
Extract, quebracho.....			529	
Fertilizers ¹²		77	125	281
Fish, salted or dry-cured.....				121
Fish meal.....				587
Floor coverings.....	1,796	948	1,967	1,091
Flour.....	1,135	10,349	1,455	13,718
Fruit, dried.....	73	8,591	140	17,134
Fruit, fresh ¹²		500	19	36,379
Furniture and household goods.....	347	338	447	353

¹² 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
Gallnuts.....				35
General.....	14,632	2,918	44,488	13,881
Glass and glassware.....	1,587	40	5,246	217
Glue.....	122	32	145	67
Grains, other and unclassified.....	27		127	420
Groceries.....	1,608	247	2,080	255
Gums.....		15	2	202
Hair, all kinds.....	100	21	100	43
Hay.....		40	3	55
Hemp, unmanufactured.....	5	103	20	1,812
Honey.....		119		478
Hops.....				3
Horns and hoofs.....			100	4
Infusorial earth.....	137	448	147	689
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.).....	49,070	330	115,869	611
Ivory nuts.....				1,399
Jute, unmanufactured.....			75	40
Lard substitute.....	785		863	27
Lime.....			54	
Liquors.....	3,029	305	4,870	308
Lumber (including manufactured mill products).....	2,207	109,419	3,890	212,388
Machinery.....	1,916	568	11,972	732
Malt.....			421	
Manufactured goods ¹²	7,230	287	14,400	557
Marble and granite.....	14		102	
Matches.....	250	69	317	69
Metals:				
Antimony.....				2
Copper.....	83	5,583	1,229	41,957
Gold and silver.....				16
Iron.....	480		19,241	
Lead.....		2,073	17	15,226
Tin.....	457	140	579	981
Zinc.....	57		182	4,177
Other and unclassified.....	299		596	492
Milk, powdered.....		338	15	622
Molasses and syrups.....	178	21	294	18,889
Nitrates.....			3,777	80,714
Nuts, edible (including meats).....		101	522	241
Oats.....	108		139	5,835
Oils, mineral:				
Crude.....		9,900	1,099	78,980
Gas and fuel.....			20,615	24,981
Gasoline, benzine and naphtha.....		51,490	8,389	122,951
Kerosene.....			75	11,783
Lubricating and greases.....	19,978	289	31,323	759
Oils, vegetable:				
Coconut.....			54	6,949
Cottonseed.....				303
Linseed.....	1,114		1,135	
Olive.....	32		649	
Peanut.....			10	
Rapeseed.....				330
Teaseed.....				210
Wood.....	17		217	1,837
Other and unclassified.....	460		1,423	1,152
Oil, fish.....	39	15	62	204
Oil, whale.....			40	
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.).....	63		1,887	2,573
Oilseed cake and meal.....	538		548	4,673
Ores:				
Antimony.....		96		96
Chrome.....	119		119	5,000
Copper.....				983
Gold and silver.....				1,223
Iron.....			27	166,600
Lead.....				2,818
Magnesite.....		456		936
Manganese.....	159		159	3,797
Tin.....				5,241
Zinc.....			172	4,840
Other and unclassified.....	50		1,597	2,359
Paints and varnishes.....	1,157	104	3,597	175
Paper and paper products ¹²	10,432	5,349	34,936	6,171
Peanuts.....	301		301	48
Peas, dry.....		41		168
Peatmoss.....	52		1,613	
Phosphates.....	863	156	2,697	8,006
Plaster.....	16		167	

¹² 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
Porcelainware.....	186	118	748	1,867
Potash.....	12	3,679	5,465	3,726
Pyrethrum flowers.....				50
Rags and waste.....	93	88	582	145
Railroad material.....	55		4,497	
Rice.....	537	2	1,847	2,107
Rope and twine.....	234	41	439	103
Rosin.....	913		3,287	5
Rubber:				
Manufactured.....	996	266	1,504	310
Raw.....				1,772
Scrap.....	99		333	60
Salt.....	77	10	8,147	2,764
Sand.....	450		3,286	29
Scrap metal.....	80	23	67,898	583
Seeds (except oilseeds).....	25	156	288	1,330
Shells, oyster.....	181	40	727	241
Silk, raw.....		130	11	1,524
Skins and hides.....	6	1,251	484	3,252
Slag.....			1,305	
Slate.....	995		995	
Soaps and products.....	2,586	67	2,692	98
Soda and sodium compounds:				
Soda ash.....	588		985	15
Soda, caustic.....	462		960	
Miscellaneous and unclassified.....	324	207	1,052	3,815
Soy beans.....	83		83	24,823
Spices.....	251		466	
Sugar.....	35	28,525	7,118	125,818
Sulphur.....	11,540		13,690	5
Talc.....		67		233
Tallow.....		864	26	1,896
Tea.....	50	45	691	717
Textiles ¹³	3,304		7,178	701
Tinplate.....	5,384	42	13,722	42
Tobacco and manufactures.....	324	50	2,245	72
Toilet preparations.....	51	122	90	153
Turpentine.....	286		900	
Vegetables, dry ¹²		65	84	1,105
Wallboard.....	11		413	1,447
Wax, paraffin.....	454		1,059	291
Wheat.....		124	28	45,709
Wines.....	62	1,037	656	1,887
Wood pulp.....	446	12,631	3,830	14,376
Wool.....	43	6,238	79	8,652
Total, July 1938.....	174,245	332,803	623,014	1,402,646
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

¹² Except as otherwise classified. ¹³ Cotton, silk, wool, rayon goods.

Tanker Traffic

The following tabulation shows the tanker traffic through the Canal during the month of July 1938, classified according to trade routes:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	¹⁴ Panama Canal net tonnage	Tons of cargo	No. of ships	¹⁴ Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	6	32,639	¹⁶ 12,603	6	36,825	¹⁷ 72,116
Canada intercoastal.....	1	5,090	¹⁸ 9,531			
East coast Canada and South America.....				1	5,513	12,186
Central America/Mexico intercoastal.....	1	3,643	6,524			
East coast Central America/Mexico, and United States.....				1	7,456	
East coast Central America/Mexico, and Far East.....				1	6,838	
South America intercoastal.....	1	1,570	3,323			
West Indies and:						
United States.....				4	20,689	42,802
South America.....	1	7,468	13,865			
Europe and:						
United States.....	6	34,675		7	37,576	75,210
South America.....	3	17,827		4	22,814	47,106
Hawaiian Islands.....				1	8,696	¹⁸ 17,527
Total.....	19	102,912	45,846	25	146,407	266,947

¹⁴ As measured under the present Panama Canal rules. ¹⁵ Includes 903 tons of linseed and castor oil. ¹⁶ Creosote and tar. ¹⁷ Includes 10,726 tons of asphalt. ¹⁸ Molasses.

Comparison of Canal Traffic in July 1938, 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)	(000 omitted)	1915	20 100	(000 omitted)	(000 omitted)
1916	137	19 542	715	1916	60	361	466
1917	174	481	623	1917	145	199	258
1918	161	556	664	1918	165	483	588
1919	153	496	584	1919	162	547	627
1920	216	510	568	1920	199	510	576
1921	195	855	866	1921	232	712	781
1922	248	810	709	1922	222	950	966
1923	465	1,128	1,211	1923	325	951	907
1924	412	2,309	2,338	1924	429	1,550	1,631
1925	403	2,035	2,067	1925	429	2,179	2,249
1926	445	1,960	1,960	1926	429	1,904	1,996
1927	492	1,950	2,185	1927	424	2,064	2,169
1928	492	2,154	2,449	1928	441	2,184	2,311
1929	512	2,405	2,291	1929	521	2,453	2,468
1930	473	2,317	2,597	1930	524	2,485	2,554
1931	394	2,438	2,401	1931	502	2,497	2,502
1932	299	2,109	1,865	1932	447	2,314	2,059
1933	382	1,675	1,259	1933	364	1,968	1,650
1934	394	2,050	1,698	1934	347	1,900	1,513
1935	377	2,177	1,934	1935	436	2,379	2,059
1936	456	2,036	1,778	1936	432	2,317	2,109
1937	457	2,365	2,450	1937	449	2,335	2,209
1938	429	2,395	2,476	1938	449	2,335	2,342
		21 2,091	2,026	(22)	459	23 2,338	2,282
						21 2,281	2,187

¹⁹ Canal opened August 15, 1914. ²⁰ Average for 10½ months. ²¹ Estimated tonnage under Panama Canal rules in effect prior to March 1, 1938. ²² Average for 7 months of calendar year 1938. ²³ As measured under the rules in effect prior to March 1, 1938.

Terminal Activities

Ships repaired during the month of July 1938 numbered 48; of this number 9 were drydocked. Fuel and Diesel oil in the quantity of 269,936 barrels was delivered as bunkers to 118 commercial ships. Bunker coal amounting to 2,187 tons was delivered to 15 commercial ships. Sales of commissary supplies to ships aggregated \$22,314.81.

Cargo Handled at Terminal Ports, July 1938

	Cristobal	Balboa	Total
Local cargo carrying..... tons..	20,804	6,670	27,474
Local cargo shipped..... tons..	3,198	861	4,059
Cargo received for transshipment..... tons..	42,807	286	43,093
Cargo transhipped..... tons..	43,343	290	43,633
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	11	4	15
Number of releases issued.....	15	20	35
Tons received.....	84	20	104
Tons withdrawn.....	7	10	17

All Vessels Entering and Clearing Port, July 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..	490	2,855,041	1,697,959	463	2,603,406	1,564,370
Vessels entering port but not transiting Canal	53	319,394	174,717	12	46,640	29,950
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	143	792,290	470,762	98	585,007	350,998
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	491	2,861,696	1,700,898	460	2,604,152	1,567,752
Vessels clearing port but not transiting Canal	56	336,147	180,884	10	43,628	27,738
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	143	780,617	462,899	98	585,007	350,998

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, 1938, to midnight August 10, 1938. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Veragua, 12, 268	Istmo, 1,053, 373	Santa Inez, 325, 72	Bogota, 1,342, 0	Chiriqui, 248, 817½
Santa Paula, 112, 7	Bethore, 9,961, 0	Toulouse, 753, 0	Smaragd, 751, 771	Logician, 110, 0
Europa, 17, 194	Potick, 2, 3	Washington, 11,837, 0	Reina del Pacifico, 36, 44	Quito, 976, 103
Sambu, 0, 121	Falcon, 325, 83	Orazio, 3, 87		Lebore, 11,651, 0
Santa Clara, 558, 4 pkgs.	Helder, 0, 131	Madoera, 311, 0	Durazzo, 0, 176	Clio, 603, 96
Contessa, 207, 804	Commissaire Ramel, 0, 134	Clio, 103, 48	Tolosa, 622, 88	Karnak, 29, 66
Aconcagua, 35½, 2	Ammon, 28, 138	Costa Rica, 0, 702	Buenaventura, 1,534, 313	Anna Maersk, 499, 0
Cuba, 85, 35	Trois Ilets, 0, 39	Lysefjord, 26, 518	Sambu, 19, 0	Istmo, 806, 203
Porta, 0, 46	Leipzig, 138, 154	Istmo, 794, 126	Istmo, 812, 266	Lara, 101, 584
Gansfjord, 17, 227	Santa Elena, 127, 255	Nuevo Panama, 0, 47	Ino, 237, 74	Heien Whittier, 314, 4
Patria, 223, 0	Chiriqui, 95, 53	Boskoop, 126, 1,255	De La Salle, 92, 449	Saxola, 955, 199
Clio, 391, 0	Ino, 608, 173	Davisian, 120, 55	City of Rayville, 186, 0	Simon Bolivar, 1, 661
Dinteldijk, 185, 202	Elbe, 271, 311	La Paz, 0, 87	Naruto Maru, 118, 0	Real, 0, 32
Musa, 495, 21	Oropesa, 93, 4	Jefferson Myers, 179, 0	Kaikoura, 283, 8	Port Antonio, 1, 76
Nuevo Panama, 243, 177	Cacique, 29½, 0	Trois Ilets, 373, 13	Kynsuy Maru, 320, 222	Murena, 12,044, 0
Knute Nelson, 6, 256	Santa Barbara, 331, 4	Kongo Maru, 360, 0	Simon Bolivar, 45, 18	Balboa, 111, 250½
Quirigua, 181, 881	Sambu, 0, 3	Hardanger, 16, 310	Vito, 320, 40	Chilore, 11,368, 0
Pereira, 1,163, 636	Emma Bakke, 340, 63	Margaret Lykes, 2,347 643	Santa Paula, 217, 0	Seattle, 223, 661
Guayaquil, 1,072, 375	Cefalu, 473, 640	Talamanca, 10, 246	Quirigua, 10, 237½	Oregon, 111, 36
R. L. Hustler, 1½, 0	Loriga, 2, 124	Pasajero, 0, 8	Cordillera, 23, 1,317	Jamaica, 8, 44
Hermionthis, 4 pkgs., 0	Acajutla, 543, 684	Santa Rosa, 100, 81	Nuernberg, 199, 100	Santa Elena, 98, 8
Anubis, 22, 0	Nebraska, 190, 39	Santa Rita, 417, 0	San Francisco, 81, 239	Ruth Lykes, 614, 341
Terukawa Maru, 388, 0	Dresden, 46, 306	Wyoming, 157, 176	Trois Ilets, 352, 95	Erria, 6, 19
Hokkai Maru, 408, 295	Platano, 359, 408	Cordillera, 129, 32	Virgilio, 154, 17	Alabama, 4, 338
Saarland, 67, 323	Cristobal, 3,395, 790	Washington, 86, 1,280	Cefalu, 565, 655	Dessau, 38 pkgs., 50
Quito, 1, 195	San Antonio, 48, 80	Sambu, 0, 21	Santa Lucia, 840, 12	Abraham Lincoln, 5, 0
Cuba, 0, 1,507	Oakland, 150, 183	Tuna, 700 lbs., 0	San Marcos, 8, 0	Pereira, 1,089, 0
Nero, 214, 95	Jamaica, 179, 1,191	Damsterdijk, 435, 75	San Pedro, 319, 948	West Cactus, 757, 163
Buenos Aires, 82, 618	Phrygia, 15, 697	Contessa, 484, 547	Salvador, 573, 675	Contessa, 323, 799
Durazzo, 815, 49	Laurits Swenson, 19, 633	Musa, 530, 169	Tosan Maru, 0, 156½	Musa, 715, 167
Ulua, 608, 347	Canada, 1, 405	Delftdijk, 109, 7	Platano, 586, 224	Santos, 1, 817
Costa Rica, 68, 7	Cerigo, 1,171, 202	Santore, 10,706, 0	Socrates, 258, 141	Kimikawa Maru, 439, 0
Amerika, 0, 53	Nero, 356, 39	Roda, 145, 211	Orbita, 35, 739	Tokai Maru, 190, 0
San Clemente, 342, 4	Yamabiko Maru, 360, 0	Cellina, 251, 12 pkgs.	Nero, 554, 62	Muenchen, 517, 834
Vancouver, 156, 135	0	Nero, 442, 66	Ancon, 2,548, 757	West Ira, 71, 0
	Santa Clara, 370, 719	Santa Clara, 370, 719	Santa Maria, 265, 321	
	Santa Marta, 521, 145	Veragua, 297, 1,496	Bogota, 0, 173	

BALBOA

Port Montreal, 3, 0	Florida Maru, 61, 0	Toulouse, 201, 0	Santa Clara, 277, 12	West Cactus, 1,968, 0
Emedio, 9,406, 0	Laurits Swenson, 183, 0	Santa Inez, 80, 0	City of Rayville, 109, 0	Chateau Thierry, 1,312, 0
Knute Nelson, 899, 66	St. Mibiel, 178, 109	St. Mibiel, 178, 109	Montecristi, 184, 0	0
Falcon, 195, 0	Remuera, 17, 0	Remuera, 17, 0	Salvador, 2, 0	Republic, 615, 0
Santa Barbara, 3, 0	Henderson, 3, 0	Henderson, 3, 0	Santa Lucia, 4, 0	Abraham Lincoln, 175, 0
Acajutla, 4, 0	Washington, 709, 0	Washington, 709, 0	Santa Maria, 228, 0	0
Choco, 7, 42	Miss C. B., 0, 3	Miss C. B., 0, 3	Rakuyo Maru, 3, 0	Beaulieu, 1,185, 0

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

Passengers

Ocean ship passengers disembarking at Canal ports during July 1938, numbered 1,846 at Cristobal and 873 at Balboa; embarking 2,028 at Cristobal and 853 at Balboa. Passengers passing through the Canal numbered 2,674 from the Atlantic to the Pacific, and 2,119 from the Pacific to the Atlantic. Aircraft numbering 57 entered Cristobal and 249 passengers disembarked; clearances were 60, with 237 passengers embarking. At Balboa, entries of aircraft numbered 60, with 121 passengers disembarking; clearances were 60, with 132 passengers embarking.

Comparison of Traffic at the Suez and Panama Canals for 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
June.....	540	469	.....	13.1	472	445	.....	5.7
Total.....	6,332	6,322	.....	0.2	5,387	5,524	2.5	.....

Movements of Ocean Vessels Through the Panama Canal From midnight July 10, 1938, to midnight August 10, 1938

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Charleston ¹³	8		Amer.	U. S. Navy	U. S. port.	Balboa, C. Z.	Ballast	
West Camargo	10	11	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Seattle, Wash.	General	2,269
Steel Traveler	10	11	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Penang, St. Sett.	Steel, gen.	7,588
Eriven	10	11	Nor.	Seaboard S. S. Co.	Baltimore, Md.	Vancouver, B. C.	Ballast	
Europa ²	11		Dan.	East Asiatic Co.	Copenhagen, Den	Vancouver, B. C.	General	586
Istmo	10	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	370
Woodcock ¹⁰	10		Amer.	U. S. Navy	U. S. port.	Balboa, C. Z.	Ballast	
Mostun ²	11	12	Nor.	P. Coast-Europ. Corp.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Salvador	6	12	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	730
Bogota ²	6	12	Ger.	North German Lloyd	Cartagena, Col.	Guayaquil, Ecu.	(15)	579
Carabobo ¹³	12	13	Colom.	Colombian Govt.	Cartagena, Col.	B'ventura, Col.	Ballast	
Hallaren ²	12	12	Swed.	Polaris Ship. Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Lt. Col. H. C. Schumm ⁴			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow barge	
Porto Bello ³	12	12	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Northumberland	12	13	Brit.	N. Z. Shipping Co.	Glasgow-England	Fremantle, Aust.	General	6,524
Associated ¹	12	13	Amer.	Tidewater Asso. Oil Co.	New York, N. Y.	S. Francisco, Cal.	Lub. oil	11,700
F. J. Luckenbach	12	13	Amer.	Luckenbach Line	New Orleans, La.	Los Angeles, Cal.	General	7,073
Cueuta ¹⁴	12	13	Colom.	Colombian Govt.	Cartagena, Col.	B'ventura, Col.	Ballast	
Panamam	13	13	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,974
Vinni ²	13	13	Nor.	Kawasaki K. Kaisha	Havana, Cuba	Kobe, Japan	(16)	6,201
El Aleto ^{1 2}	13	13	Brit.	C. T. Bowring & Co.	Liverpool, Eng.	Cabo Blanco, Peru.	Ballast	
Sambu ²	12	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Aguadule, R. P.	General	90
Real ²	12	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Aguadule, R. P.	General	70
Nathan ²	12		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹⁷		20
Barge No. 5441	12		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹⁷		20
Pirate ³	13		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹⁷		20
Frank ³	13		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Cities Service Boston ¹	12	14	Amer.	Cities Service Oil Co.	Boston, Mass.	San Luis Obispo, Calif.	Ballast	
City of Delhi	14	14	Brit.	Ellerman & Bucknall	Montreal, Canada	Adelaide, Aust'lia	General	6,219
Clio ²	13	14	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	Ballast	
Corsair ⁵			Neth.	V. S. Bowen	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Knute Nelson ²	14	16	Nor.	Fred Olsen & Co.	Oslo, Norway	Vancouver, B. C.	General	1,416
Pacific	15	15	Amer.	Weyerhaeuser S. S. Co.	New York, N. Y.	Seattle, Wash.	Gen., steel	3,298
Nuevo Panama ²	13	15	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm's, R. P.	General	220
Saarland	15	16	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Corral, Chile	General	3,944
Australian Reefer ²	16	16	Dan.	J. Lauritzen	Hamburg, Ger.	Los Angeles, Cal.	Ballast	
Quito ²	15	16	Ger.	North German Lloyd	Bremen, Ger.	Guayaquil, Ecu.	General	173
Robert Luckenbach	16	16	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,565
Alaskan	16	16	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	3,382
Grete Maersk ²	16	16	Dan.	Maersk Line	Boston, Mass.	Cebu, P. I.	Gen., mach.	4,721
Santana ⁶	16		Amer.	W. L. Stewart	Pt. au Prince, Haiti	Balboa, C. Z.	Ballast	
Nero ²	15	16	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Tumaco, Colom.	General	87
Opawa ²	16	17	Brit.	N. Z. Shipping Co.	Liverpool, Eng.	Omari, N. Z.	General	9,340
Sysla ^{1 2}	16	17	Nor.	E. A. Gibson & Co.	Preston, England	Los Angeles, Cal.	Ballast	
West Cape	17	17	Amer.	McCormick S. S. Co.	New York, N. Y.	Tacoma, Wash.	General	2,750
Teranger ²	17	17	Nor.	InterOcean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Flomar	17	17	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	6,758
San Clemente	16	17	Amer.	Quaker Line	New York, N. Y.	Tacoma, Wash.	General	4,897
Lady Glandy ²	17	17	Brit.	Seaboard S. S. Co.	Birkenhead, Eng.	Vancouver, B. C.	General	
Steel Voyager	17	17	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Tacoma, Wash.	Gen., steel	4,398
Atheltemplar ^{1 2}	17	17	Brit.	United Molasses Co.	Donges, France	Los Angeles, Cal.	Ballast	
Falcon	17	18	Amer.	Grace Line	New York, N. Y.	Callao, Peru.	General	752
Erlangen	17	17	Ger.	North German Lloyd	New Orleans, La.	Brisbane, Aust'lia	(18)	7,631
Istmo	16	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	570
Pan-Air I. W. ⁵			Amer.	Pan-American Airw's.	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Talaralite ¹	17	18	Brit.	Tropical Oil Co.	Barranquilla, Col.	B'ventura, Col.	General	
Katuragi Maru ²	18	18	Jap.	Kokusa Kisen Kaisha	New Orleans, La.	Dairen, China	Gasoline	3,323
Pacific Exporter ²	18	18	Brit.	Furness, Withy & Co.	Glasgow-England	Vancouver, B. C.	Gasoline	4,230
Hokuroku Maru ²	18	18	Jap.	Osaka Shosen Kaisha	Boston, Mass.	Kobe, Japan	General	691
Commissaire Ramel	17	18	Fr.	Messageries Marit'es.	Marseilles, France	Noumea, New Caledonia	General	2,222
Juma	18	18	Brit.	Canadian Transp. Co.	Mobile, Ala.	Vancouver, B. C.	(19)	2,500
Bethore	16	18	Amer.	Ore S. S. Corp.	Newp't News, Va.	Cruz Gr'ds, Chile	Ballast	
Pereira	14	18	Pan.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	654
Trois Ilets	12	18	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	44
J-26 ⁵			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Ruahine	19	20	Brit.	N. Z. Shipping Co.	London, England	Napier, N. Z.	General	5,644
Javanese Prince ²	19	19	Brit.	Prince Line Ltd.	Halifax, N. S.	Shanghai, China	General	4,466
Trondanger ²	18	19	Nor.	InterOcean S. S. Corp.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Carica Milica	18	19	J.-Slav	Seaboard Ship. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Wales Maru	19	19	Jap.	Kawasaki K. Kaisha	Pulupandan, P. I.	Yokohama, Japan	Ballast	

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ⁶ Yacht. ¹⁰ Minesweeper. ¹³ Gunboat.
¹⁴ Training ship. ¹⁵ General, gasoline, etc. ¹⁶ Scrap steel, general, etc. ¹⁷ For bananas and return to Cristobal, C. Z. ¹⁸ Asphalt, oil, general. ¹⁹ Wood, salt, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Cacique	19	19	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile.	General	2,116
Ino ²	18	19	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	157
Maria Cristina ³	19	19	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Hi Winni ¹³			Amer.	F. Wirtz	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Grover J. ¹³			Amer.	Grover Gravatt	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Emma Bakke ²	19	21	Nor.	Seand.-So. Pac. Line	Goth burg, Swed.	Valparaiso, Chile.	General	3,387
Heina ²	19	20	Nor.	Anglo-Can. S. S. Co.	Antwerp, Belgium	Vancouver, B. C.	General	3,048
Mantilla ¹	19		Nor.	United Fruit Co.	Pto. Cortez, Hon.	Balboa, C. Z.	Drydocking	
Loriga ²	19	20	Brit.	Pacific Steam Nav. Co.	Hull, England	Valparaiso, Chile.	General	2,753
Point Brava	20	20	Amer.	Swayne & Hoyt	New Orleans, La.	Seattle, Wash.	General	4,970
Nebraska	20	21	Brit.	Royal Mail Line, Ltd.	London, England	Vancouver, B. C.	Gen., refrig.	1,537
Sambu ²	19	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Aguadulce, R. P.	General	45
Frank ³	19		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
La Union ²	19		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Pirre ²	19		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Loke ¹³			Amer.	O. Peterson	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Nathan ²	19		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.		20
Barge No. 5441	19		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹⁴		20
Pirate ³	19		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹⁴		20
Sirius	19	22	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	Gen., lumber	1,183
Trelawny	20	21	Brit.	N. Z. Shipping Co.	New York, N. Y.	Dunedin, N. Z.	General	3,596
British Col. Express ²	21	21	Nor.	Fruit Express Line	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Dresden ²	20	21	Ger.	North German Lloyd	Hamburg, Ger.	Corral, Chile	General	6,018
San Antonio	21	21	Fr.	French Line	Havre, France	Vancouver, B. C.	General	5,882
Oakland ²	21	22	Ger.	Hamburg-Amer. Line	Hamburg-Ger.	Vancouver, B. C.	General	2,894
Hawaiian	21	22	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Tacoma, Wash.	General	3,078
Lt. Col. H. C. Schumm ⁴	19		Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow barge	
Kahuku	22	22	Amer.	Matson Nav. Co.	Baltimore, Md.	Hilo, T. H.	General	2,515
Kasii Maru ²	22	22	Jap.	Kokusai Kisen Kaisha	Hamburg, Ger.	Moji, Japan	(15)	7,157
Oregonian	22	22	Amer.	Amer.-Hawaiian Line	New York, N. Y.	Portland, Oreg.	General	2,718
Port Brisbane	22	22	Brit.	Port Line, Ltd.	Philadelphia, Pa.	Adelaide, Aust. lia	General	4,614
Tomislav	22	22	J.-Slav	Chile Nit. Sales Corp.	Flushing, Neth.	Chilean port	Ballast	
William Luckenbach	22	22	Amer.	Luckenbach Line	Providence, R. I.	Tacoma, Wash.	General	3,426
Canada ²	21	22	Swed.	Johnson Line	Stockholm, Swed.	Honolulu, T. H.	(16)	8,919
Santa Inez ²	22	23	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile.	General	1,568
Nero ²	22	23	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	36
Boulderpool	22	23	Brit.	Sir R. Ropner & Co.	W. Hartlep, Eng.	Vancouver, B. C.	Ballast	
Helga	23	23	Dan.	J. Lauritzen	New York, N. Y.	Taleahuano, Chile	General	1,529
Merington Court	23	23	Brit.	Chile Nit. Sales Corp.	Alexandria, Egypt	Iquique, Chile	Ballast	
Gertrude Kellogg ¹	23	23	Amer.	Kellogg S. S. Co.	New York, N. Y.	Los Angeles, Cal.	(17)	903
Californian ²	23	24	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Tacoma, Wash.	General	4,037
Clio ²	23	24	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	43
Chattanooga City	24	24	Amer.	Isthmian S. S. Lines	Portland, Me.	Seattle, Wash.	General	2,629
Noto Maru ²	24	24	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Kobe, Japan	Scrap steel	4,418
St. Mihil ⁴	23	25	Amer.	U. S. Army	Brooklyn, N. Y.	S. Francisco, Cal.	Military sup.	257
La Paz ²	24	24	Brit.	Pacific Steam Nav. Co.	Hull, England	Ant'fagasta, Chile	General	2,769
Hardanger	24	24	Nor.	Westfal, Larsen & Co.	Buenos Aires, Arg.	Vancouver, B. C.	Gen., coffee	3,380
Nuevo Panama ²	23	24	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm's, R. P.	General	105
Andino ¹	24		Brit.	Lago Shipping Co.	Aruba, N. W. I.	Balboa, C. Z.	Drydocking	
Isto	23	24	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	295
Hydra ⁵			Pan.	L. Constantine	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
J-67 ⁵			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Jefferson Myers	24	25	Amer.	Quaker Line	Norfolk, Va.	San Diego, Calif.	General	2,438
Chulmleigh	25	25	Brit.	Seaboard Shipping Co.	Barry, England	Pacific ports	Ballast	
Boskoop	23	25	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	2,193
Cerigo	21	26	Ger.	Hamburg-Amer. Line	Cristobal, C. Z.	Guayaquil, Ecua.	General	183
Trois Ilets	24	26	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	12
Atutasan Maru ²	25	25	Jap.	Mitsui Bussan Kaisha	Baltimore, Md.	Moji, Japan	Steel, rosin	8,551
Nathan ⁴	25		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹⁴		20
Acajutla	19	26	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'co, Guat.	General	684
Trelisick	25	26	Brit.	Hain S. S. Corp.	Barry, England	Portland, Oreg.	Ballast	
Kosei Maru ²	25	26	Jap.	Hiroumi Shoji Kaisha	New York, N. Y.	Los Angeles, Cal.	Ballast	
Florence Luckenbach	26	26	Amer.	Luckenbach Line	Houston, Tex.	Seattle, Wash.	General	5,760
Kiyosumi Maru ²	26	26	Jap.	Kokusai Kisen Kaisha	New York, N. Y.	Kobe, Japan	Steel, cotton	6,806
Washington	26	26	Amer.	Weyerhaeuser S. S. Co.	Norfolk, Va.	Los Angeles, Cal.	Steel, gen.	3,200
Bronxville ²	26	26	Nor.	Fern Line	Mobile, Ala.	Yokohama, Japan	Pig iron	7,800
Ewa	26	26	Amer.	Matson Nav. Co.	Baltimore, Md.	Honolulu, T. H.	Steel, gen.	1,322
Thistleglen	26	26	Brit.	Canadian Transp. Co.	Hull, England	Vancouver, B. C.	Ballast	
Sage Brush	26	26	Amer.	Shepard S. S. Co.	Albany, N. Y.	Seattle, Wash.	General	3,771
Skjelbred ²	26	26	Nor.	Kawasaki K. Kaisha	New Orleans, La.	Japan	(18)	5,817
Mamari	26	27	Brit.	Shaw, Savill & Albion	Mid'burg, Eng.	Auckland, N. Z.	General	11,443
Maria Cristina ³	26	26	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ⁶ Transport. ⁷ Sailboat. ⁸ For bananas and return to Cristobal, C. Z. ⁹ Scrap steel, machinery, etc. ¹⁰ Paper, potash, general. ¹¹ Linseed and castor oils. ¹² Scrap iron, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Firmore.	26	27	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.	
Washington ²	25	28	Fr.	French Line	Havre, France.	Valparaiso, Chile.	General.	2,676
Litopa ¹	27	27	Nor.	Mexican Government.	Tampico, Mexico	Manzanillo, Mex.	Gas oil	6,524
Sona ²	26		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Tuira ²	26		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Pirate ²	27		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹³	Ballast.	20
Delftdijk ²	27	28	Neth.	N. Pac. Coast Line.	Rotterdam, Neth.	Portland, Oreg.	Steel, gen.	1,417
San Amado ^{1 2}	27	28	Brit.	Eagle Oil & Ship. Co.	Antwerp, Belgium	S. Francisco, Cal.	Ballast.	
Iowan.	28	28	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	3,756
Santore.	27	28	Amer.	Ore S. S. Corp.	Newp't News, Va.	Cruz Gr'de, Chile	Ballast.	
Celina ²	28	28	Ital.	Soc. Anon. Nav. Italia	Trieste, Italy.	Vancouver, B. C.	General.	1,073
Roda ²	28	28	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Talcahuano, Chile	General.	4,052
Lt. Col. H. C. Schumm. ⁴	26		Amer.	U. S. Army.	Cristobal, C. Z.	Balboa, C. Z.	(¹⁴)	
Santa Clara.	28	29	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General.	2,909
Nero ²	28	29	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	87
Hoxbar ¹	29	29	Amer.	Petrol Corporation.	Newp't News, Va.	Los Angeles, Cal.	Ballast.	
Manana ⁵	29		Pan.	D. C. Beatty	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Frank ³	29		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Almhoor.	29	30	Brit.	Runciman Ship. Co.	Newcastle, Eng.	Iquique, Chile	Ballast.	
Darlington Court ²	29	30	Brit.	Canadian Transp. Co.	Montreal, Canada	Vancouver, B. C.	General.	2,865
Svealand ²	29	30	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.	
Durazzo.	29	30	Ger.	Hamburg-Amer. Line.	Manauca, Col.	Guayaquil, Ecua.	Salt, gen.	1,002
L-53 ⁵			Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Tow, barge.	
Jeff Davis ²	30	31	Amer.	Roosevelt S. S. Line.	Baltimore, Md.	Hongkong, China	Steel, gen.	1,890
Ino ²	30	31	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.	67
Quebec City.	31	31	Brit.	States Marine Corp.	Baltimore, Md.	Yawata, Japan	Steel billets.	8,000
Modavia ²	31	31	Brit.	Donaldson Line.	Glasgow-England	Vancouver, B. C.	General.	1,079
Pacific Reliance ²	31	31	Brit.	Furness, Withy & Co.	Glasgow-England	Vancouver, B. C.	General.	381
City of Oran.	31	31	Brit.	Ellerman & Bucknall.	Baltimore, Md.	Dairen, China.	General.	5,130
Pennsylvanian.	31	31	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General.	4,442
Harpasa.	31	31	Brit.	C. & J. Harrison	Baltimore, Md.	Vancouver, B. C.	Ballast.	
Pierre Claude ²	30	31	Fr.	J. Lauritzen	Hamburg, Ger.	S. Francisco, Cal.	Ballast.	
Agios Vlasios.	30	31	Greek.	John D. Chandris.	Providence, R. I.	Kobe, Japan.	Scrap iron.	7,000
Istmo.	30	31	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	425
Losmar.	31	31	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	6,435
Sambu ²	30		Pan.	Elliot Ship. & Land Co.	Turbo, Colombia.	Balboa, C. Z.	Ballast.	20
Luis ²	31		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹³	Ballast.	
Handanger ²	8-1	8-1	Nor.	Interoceano S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.	
Vibran ²	1	1	Nor.	Knut Knutsen O.A.S.	Liverpool, Eng.	S. Francisco, Cal.	Ballast.	
City of Dieppe.	1	1	Brit.	Ellerman & Bucknall.	New York, N. Y.	Adelaide, Aust'lia	General.	4,848
Cambridge.	1	1	Brit.	Fed. Steam Nav. Co.	Liverpool, Eng.	Pt. Chalmers, N.Z.	General.	5,583
Elwood ¹	1	1	Amer.	Shell Oil Co.	Sewaren, N. J.	Los Angeles, Cal.	Ballast.	
Neches ⁴	30	4	Amer.	U. S. Navy.	Cristobal, C. Z.	Los Angeles, Cal.	Ballast.	
Smaragd.	28	1	Nor.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General.	829
Trevalgan ²	1	1	Brit.	Mont.-Aust.-N.Z. Line	Pt. Alfred, Can.	Melbourne, Aust.	Paper.	5,652
Silverwalnut ²	1	2	Brit.	Kerr S. S. Co.	Boston, Mass.	Hongkong, China	General.	2,952
California Express ²	2	2	Nor.	Fruit Express Line.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast.	
Nailsea Manor.	2	2	Brit.	E. R. Management Co.	Birkenhead, Eng.	Vancouver, B. C.	Ballast.	
Point Ancha.	2	2	Amer.	Swayne & Hoyt.	New Orleans, La.	Seattle, Wash.	General.	5,439
San Francisco ²	1	2	Swed.	Johnson Line.	Stockholm, Swed.	Vancouver, B. C.	Paper, gen.	4,133
Daphnella ^{1 2}	2	2	Brit.	Asiatec Pet. Co.	Hebburn, Eng.	S. Francisco, Cal.	Ballast.	(¹⁵)
Honomu.	2	3	Amer.	Isthmian S. S. Lines.	Portland, Me.	Seattle, Wash.	Ballast.	3,359
Chr. Knudsen ²	2	2	Nor.	Canadian Transp. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.	
Mania Cristina ³	2	2	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General.	3
L-59 ⁵	2	2	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
L-62 ⁵	2	2	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
L-67 ⁵	2	2	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Virgilio ²	2	3	Ital.	Italian Line.	Genoa, Italy.	Valparaiso, Chile.	General.	588
Bridwell ^{1 2}	2	3	Amer.	Pan-Amer. Pet. Co.	Chester, Pa.	Pt. S. Luis, Calif.	Ballast.	
Toureong ²	2	3	Nor.	Isbrandtsen Moller.	Savannah, Ga.	Manila, P. I.	General.	4,300
Baldhill ¹	3	3	Fr.	French Line.	Cristobal, C. Z.	B'ventura, Col.	General.	120
Real ²	3	3	Amer.	Shell Terminal Corp.	Fall River, Mass.	Los Angeles, Cal.	Ballast.	
Sona 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.	
La Union ²	2	2	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Pirato ²	2	2	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
China Arrow ¹	3	3	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹³	Ballast.	20
Hollywood.	3	4	Amer.	Socony Vac. Oil Co.	Boston, Mass.	Los Angeles, Cal.	Ballast.	
Tropic Star ²	3	4	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General.	7,047
Honolulu.	4	4	Nor.	Chile Nit. Sales Corp.	Gulfport, Miss.	Chilean ports.	Ballast.	
Kano Maru ²	4	4	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	3,611
Orbita.	3	4	Jap.	Kokusai Kisen Kaisha	Boston, Mass.	Moji, Japan.	Scrap steel.	4,732
Tosan Maru ²	3	4	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Talcahuano, Chile	General.	2,654
	3	4	Jap.	Osaka Shosen Kaisha.	Boston, Mass.	Dairen, China.	(¹⁶)	6,547

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ¹³ For bananas and return to Cristobal, C. Z.
¹⁴ Towing barges No. 40 and No. 45. ¹⁵ General and structural steel. ¹⁶ General, iron goods.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Nordvest ²	3	4	Dan.	Kawasaki K. Kaisha	Baltimore, Md.	Yawata, Japan	(13)	7,560
Franz Klasen ^{1 2}	4	4	Pan.	W. Tankerschiff Rhed'i.	Hamburg, Ger.	Talara, Peru	Ballast	.....
Santa Maria ²	4	5	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile.	General	1,978
Bogota ²	7	28	4 Ger.	North German Lloyd.	Cristobal, C. Z.	Guayaquil, Ecua.	General	253
Socrates ²	3	4	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	1,097
San Pedro.....	12	5	Fr.	French Line	Antwerp, Belgium	Vancouver, B. C.	General	2,921
Lt. Col. H. C. Schumm. ⁴	12	.....	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow. barge.	.....
Col. Riche ⁵.....	.....	.....	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	.....
Rangitane ²	4	6	Brit.	N. Z. Shipping Co.	London, England	Auckland, N. Z.	General	5,261
Cleodora ^{1 2}	4	5	Neth.	Anglo-Saxon Pet. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	.....
Chickasaw City.....	4	5	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Hilo, T. H.	(14)	1,642
W. R. Keever.....	4	5	Amer.	Texas & Freeport Sulphur Co.	Galveston, Tex.	Tacoma, Wash.	Sulphur	5,850
Elg ²	4	5	Nor.	Anglo-Can. S. S. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	.....
Lebore.....	4	5	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
M-238 ⁵.....	.....	.....	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....
Brynje ²	5	6	Nor.	Canadian Transp. Co.	Botwood, Nfld.	Tacoma, Wash.	Copper ore.	6,666
Sessa.....	6	6	Dan.	Wessel, Duval & Co.	Chester, Pa.	Talcahuano, Chile	General	1,470
Cape Horn ²	5	6	Brit.	Anglo-Can. S. S. Co.	Antwerp, Belgium	Vancouver, B. C.	General	1,512
Kunikawa Maru ²	6	6	Jap.	Kawasaki K. Kaisha	Boston, Mass.	Kobe, Japan	(15)	8,294
Mooby ²	6	6	Brit.	Sir R. Roper & Co.	R. de Jan'to, Braz.	Estaban, B. C.	Ballast	.....
K. I. Luckenbach.....	6	6	Amer.	Luckenbach Line	New York, N. Y.	Seattle, Wash.	General	3,499
Imperial Valley.....	5	6	Brit.	Reardon-Smith Line.	Pern' buco, Brazil	Los Angeles, Cal.	Ballast	.....
Wildwood.....	6	6	Amer.	Amer.-For. S. S. Corp.	New York, N. Y.	Olympia, Wash.	Ballast	.....
Port Hunter.....	6	6	Brit.	Port Line	London, England	Lytleton, N. Z.	General	5,091
Karnak.....	5	6	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General	2,702
Nero ²	3	6	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	54
Mexican.....	6	6	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	4,763
Clio ²	5	6	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	87
Helen Whittier.....	6	6	Amer.	Bulk Carriers Corp.	Philadelphia, Pa.	Seattle, Wash.	Steel, gen.	4,640
Eurydemond ²	6	7	Brit.	Ocean S. S. Co.	New York, N. Y.	Far East	General	1,570
Istmo.....	6	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	540
Marconi ²	7	7	Pan.	D. Campeonio	Colon, R. P.	Balboa, C. Z.	Ballast	.....
Yamazato Maru ²	6	7	Jap.	Yamashita Ship. Co.	Buenos Aires, Arg.	Kobe, Japan	General	5,581
Walter A. Luckenbach.	6	7	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	5,319
Tai Ping Yang ²	7	7	Nor.	Barber Line	New York, N. Y.	Moji, Japn.	General	4,709
San Cirilo ^{1 2}	7	7	Brit.	Eagle Oil & Ship. Co.	Palmouth, Eng.	El Segundo, Calif.	Ballast	.....
Lara.....	7	7	Amer.	Grace Line	New York, N. Y.	Talcahuano, Chile	General	2,345
Washington Express. ²	7	7	Nor.	Fruit Express Line	London, England	Los Angeles, Cal.	Ballast	.....
Davilla ^{1 2}	7	7	Brit.	Anglo-Saxon Pet. Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	.....
Margrethe Bakke ²	7	7	Nor.	Knutsen Line	Goth'burg, Swed.	Vancouver, B. C.	Ballast	.....
Tallise ²	7	7	Neth.	Pae-Java-Bengal Line	New Orleans, La.	Vancouver, B. C.	General	4,373
Bolton Castle.....	7	8	Brit.	Chile Nit. Sales Corp.	Alexandria Egypt	Valparaiso, Chile.	(16)	3,500
City of Pittsburg.....	7	8	Brit.	Mont.-Aust.-N.Z. Line	Sydney, N. S.	Auckland, N. Z.	General	9,579
Pennsylvania Sun. ^{1 2}	7	8	Amer.	Sun Oil Co.	Marcus Hook, Pa.	El Segundo, Calif.	Ballast	.....
Luis ²	7	7	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	(17)	20
W. H. Berg ¹	8	8	Amer.	Standard Oil of Calif.	England	Los Angeles, Cal.	Ballast	.....
Torvanger.....	8	8	Nor.	Westfal, Larsen & Co.	Baltimore, Md.	Tocopilla, Chile.	Ballast	.....
Chateau Thierry ³	7	7	Amer.	U. S. Army	New York, N. Y.	Balboa, C. Z.	General	1,171
Santos Maru. ²	8	9	Jap.	Osaka Shosen Kaisha.	Buenos Aires, Arg.	Yokohama, Japan	Cotton, bones	4,373
Seattle ²	7	8	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B. C.	General	6,629
Real ²	7	8	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pro. Arm'les, R. P.	General	42
Salvador.....	2	9	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'le, Guat.	General	675
Willmott ²	9	9	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General	4,398
Hegira.....	8	9	Amer.	Pac. Coast Dir. Line.	New York, N. Y.	Seattle, Wash.	(18)	5,266
Heranger ²	8	9	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	.....
Mauna Kea.....	9	9	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	S. Francisco, Cal.	Steel, gen.	3,375
Abraham Lincoln ²	9	9	Nor.	Fred Olsen & Co.	Oslo, Norway	Vancouver, B. C.	General	1,055
Sanyo Maru ²	9	9	Jap.	Osaka Shosen Kaisha	Buenos Aires, Arg.	Kobe, Japan	Cotton, gen.	5,617
El Oso ¹	8	9	Brit.	C. T. Bowring & Co.	Birkenh'd, Eng.	Cabo Bl'co, Peru.	Ballast	.....
Edgar F. Luckenbach.	9	9	Amer.	Luckenbach Line	Houston, Tex.	Tacoma, Wash.	General	8,250
City of Winchester	9	9	Brit.	Amer.-Australian Line	Paulsboro, N. J.	Sydney, Aust'lia	General	4,580
Chloire.....	7	9	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Erria ²	9	9	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General	259
Dessau.....	9	9	Ger.	North German Lloyd	New Orleans, La.	Auckland, N. Z.	Gen., sulph.	7,518
Marore.....	9	9	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Alabama.....	9	10	Fr.	French Line	Havre, France	Corral, Chile	General	1,049
Mallard ¹⁰.....	.....	.....	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Maria Cristina ³	9	9	Pan.	A. Tagaropolos	Colon, R. P.	Real, R. P.	General	3
Poliary ¹⁹	8	10	Russ.	U. S. S. Russia	Lening'd, U.S.S.R.	Vlad'ok, U.S.S.R.	Ballast	.....
Partisan ¹⁹	8	10	Russ.	U. S. S. Russia	Lening'd, U.S.S.R.	Vlad'ok, U.S.S.R.	Ballast	.....
Exchange ⁶	30	.....	Amer.	Kathryn Huebotter	Biloxi, Miss.	Los Angeles, Cal.	Ballast	.....

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ⁶ Yacht. ⁷ Transport. ¹⁰ Mine sweeper. ¹³ Steel and scrap iron. ¹⁴ General and steel products. ¹⁵ Lubricating oil, cotton, scrap iron. ¹⁶ Cotton seed and olive oil. ¹⁷ For bananas and return to Cristobal, C. Z. ¹⁸ General, oil, steel, etc. ¹⁹ Survey ship.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Trevorian	10	10	Brit.	Hain S. S. Co.	Barry, England	Vancouver, B. C.	Ballast	
American	10	10	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	3,015
Beaulieu ^{1 2}	10	11	Nor.	Standard Oil of N. J.	Aruba, N. W. I.	Corinto, Nic.	Fuel oil	7,721
Minerva ²	10	10	Nor.	Chile Nit. Sales Corp.	Charleston, S. C.	Tocopilla, Chile.	Ballast	
Sambu ²	9		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona ²	9		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tuira ²	9		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Luis ²	9		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹³		20
Pirate ³	10		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹³		20

PACIFIC TO ATLANTIC

Isthmian	10	11	Amer.	Amer.-Hawaiian Line.	Astoria, Oreg.	Baltimore, Md.	Lumber, gen.	7,670
Lt. Col. H. C. Schumm ⁴	11	12	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Aras ⁵	7	12	Amer.	H. J. Chisholm	Los Angeles, Cal.	New York, N. Y.	Ballast	
President De Vogue ^{1 2}	10	11	Nor.	Cie. des Prod. Chimiques et Raff.	Talara, Peru.	Port de Bouc, France	Crude oil	13,686
Montgomery City	10	11	Amer.	Isthmian S. S. Lines	Kahului, T. H.	Baltimore, Md.	Sugar, gen.	8,243
Port Montreal ²	11	11	Brit.	Mont.-Aust.-N.Z. Line	Auckland, N. Z.	Montreal, Canada	General	1,400
Marore	12	12	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,500
Minnesota	12	12	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	7,674
Thorstrand ²	12	12	Nor.	Fred Olsen Line	Los Angeles, Cal.	Liverpool, Eng.	Citrus fruit	1,750
Fortuna ²	12		Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Colon, R. P.	Bananas	3,865
Aconeargua ²	12	12	Chil.	Cia. Sud. Amer. de Vap.	Valparaiso, Chile	Hamburg, Ger.	General	3,875
Santa Clara	12	13	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	Coffee, gen.	5,570
Real ²	12	13	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	36
Sambu ²	12	13	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	57
Brilliant ^{1 2}	12	13	Amer.	Socony-Vac. Oil Co.	Los Angeles, Cal.	Providence, R. I.	Gasoline	13,309
Mobiloil ¹	13	13	Amer.	Socony-Vac. Oil Co.	Los Angeles, Cal.	New York, N. Y.	Gasoline	14,640
Dinteldijk ²	13	14	Neth.	Holland-Amer. Line	Victoria, B. C.	Rotterdam, Neth.	Wheat, gen.	10,290
Rasma	13	14	Latv.	Chile Nit. Sales Corp.	Antofagasta, Chile	Azores ¹⁴	Nit. of soda	4,870
Patricia ²	13	14	Ger.	Hamburg-Amer. Line.	San Jose de Guat.	Hamburg, Ger.	General	723
Porta	13	13	Ger.	North German Lloyd	Magallanes, Chile	Hamburg, Ger.	General	5,106
Nuevo Panama ²	13	15	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	225
Clio ²	13	14	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides	320
Pereira	13	15	Pan.	Grace Line	Champico, Guat.	Cristobal, C. Z.	General	1,062
Alabaman	13	14	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Gen., lumber	1,167
Ensley City	13	14	Amer.	Isthmian S. S. Lines	Hilo, T. H.	Baltimore, Md.	(¹⁵)	8,670
Vermont	14	14	Amer.	Calif.-Eastern Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,350
Edward Luckenbach	14	14	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	7,510
Svealand ²	14	14	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,300
Moldanger ²	14	14	Nor.	Interocean Line	Seattle, Wash.	Havre, France	Grain, gen.	7,870
Hermontbis ²	14	15	Ger.	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger.	General	5,876
Anubis ²	14	15	Ger.	Hamburg-Amer. Line.	Hongkong, China	New Orleans, La.	General	5,756
Knoxville City	14	15	Amer.	Isthmian S. S. Lines	Seattle, Wash.	Avonmouth, Eng.	(¹⁶)	8,169
Buenos Aires ²	15	16	Swed.	Johnson Line	Portland, Oreg.	Stockholm, Swed.	(¹⁷)	8,011
Durazzo	15	17	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	741
Nero ²	15	16	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee, gen.	194
Terukawa Maru ²	15	15	Japan	Kawasaki K. Kaisha.	Dairen, China	New Orleans, La.	Onions, gen.	2,325
Yorkmar	15	15	Amer.	Calmar S. S. Corp.	Seattle, Wash.	Baltimore, Md.	Lum., copper	7,360
Hokkai Maru ²	15	16	Jap.	Osaka Shosen Kaisha.	Dairen, China	New York, N. Y.	General	2,151
Frank ²	15	16	Pan.	E. J. Hooper	Aguadulce, R. P.	Gatun, C. Z.	Cows	30
Bonzo ²	15	16	Pan.	Mrs. Castora Garcia	Panama, R. P.	Colon, R. P.	Ballast	
Amerika ²	15	16	Dan.	East Asiatic Co.	Seattle, Wash.	Copenhagen, Den.	General	8,765
Porto Bello ²	16	16	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(¹⁸)	9
Point Palmas	16	16	Amer.	Wayne & Hoyt	Bellingham, Wash.	Tampa, Fla.	Lumber, gen.	5,415
Istmo	16	17	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	723
Vancouver	16	17	Ger.	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	General	8,715
Otina ^{1 2}	16	17	Brit.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N. W. I.	(¹⁹)	8,551
Helder	17	17	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	5,155
Loreto ²	17	17	Brit.	Pacific Steam Nav. Co.	Talcahuano, Chile	Liverpool, Eng.	Nitrates, gen.	8,261
Leipzig ²	17	18	Ger.	North German Lloyd	Corral, Chile	Hamburg, Ger.	General	6,550
Elisabeth Bakke ²	17	17	Nor.	Knut Knutsen, O.A.S.	Vancouver, B. C.	Belfast, Ireland	Lumber, gen.	6,225
Teoko	17	17	Brit.	N. Z. Shipping Co.	Auckland, N. Z.	Glasgow, Scotland	Frozen, gen.	6,672
Pericles ^{1 2}	17	17	Nor.	Kawasaki K. Kaisha.	Cabo Blanco, Peru.	Antwerp, Belgium	Petroleum	12,261
Ammon	17	18	Ger.	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger.	General	8,062
Lebore	18	18	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Chelsea	17	18	Brit.	Chile Nit. Sales Corp.	Antofagasta, Chile	Azores ¹⁴	Nit. of soda	7,800
Oropesa	18	19	Brit.	Pacific Steam Nav. Co.	San Antonio, Chile	Liverpool, Eng.	General	5,075
Primero ²	17	18	Nor.	Seaboard Ship. Co.	Victoria, B. C.	Boston, Mass.	Lumber	7,856
Tropic Star ²	18	18	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Pensacola, Fla.	Nitrates	8,280
Montanan	18	18	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	6,108
Hagan ¹	18	18	Amer.	Shell Oil Co.	S. Francisco, Cal.	Curacao, N. W. I.	Kerosene dis.	9,270

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ⁶ Yacht. ¹³ For bananas and return to Cristobal, C. Z. ¹⁴ For orders. ¹⁵ Sugar, canned pines. ¹⁶ Lumber, canned goods. ¹⁷ Lumber, grain, general. ¹⁸ Plantains, lumber. ¹⁹ Gasoline, kerosene.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Ino ²	18	19	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	General	554
Elbe ²	18	19	Ger.	North German Lloyd	Vancouver, B. C.	Bremen, Germany	General	7,292
Bramora ^{1 2}	18	18	Nor.	Stevenson & Hardy	S. Francisco, Cal.	Hamburg, Ger.	Gasoline	8,793
Texas Sun ^{1 2}	18	19	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	14,939
Santa Barbara ²	19	19	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	5,184
San Rafael	19	19	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,776
Gretavale	19	19	Brit.	Chile Nit. Sales Corp.	Taltal, Chile	Azores ¹⁷	Nitrates	7,345
Acajutla	19	26	Brit.	Pacific Steam Nav. Co.	Champico, Guat.	Cristobal, C. Z.	General	538
Pacific Ranger ²	19	19	Brit.	Furness, Withy & Co.	Victoria, B. C.	Manchester, Eng.	Lumber, gen.	7,737
Lt. Col. H. C. Schumm. ⁴	19	21	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow. barge.	
Frank ²	19	20	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	30
Pirre ²	19	20	Pan.	J. Laffargue	Darien, R. P.	Cristobal, C. Z.	Bananas	40
Sambu ²	19	20	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	45
La Union ²	19	20	Pan.	A. A. Valdes	Bayano, R. P.	Cristobal, C. Z.	Bananas	16
Baldubute ¹	20	20	Amer.	Shell Oil Co.	Los Angeles, Cal.	Baltimore, Md.	Gasoline	8,602
Carolinian	20	20	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	Lumber, gen.	6,885
Gaeta	20	20	Ital.	Nivose S. Anon. di Nav.	Vancouver, B. C.	London, England	Lumber, gen.	7,735
Chilore	21	21	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,000
Laurits Swenson ²	20	22	Nor.	Fred Olsen & Co.	Vancouver, B. C.	Oslo, Norway	General	7,684
Moveria ²	20	21	Brit.	Donaldson Line	Victoria, B. C.	Glasgow, Scotland	General	4,981
Julia Luckenbach	21	21	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	(13)	7,634
Steel Mariner	21	21	Amer.	Isthmian S. S. Lines	Honolulu, T. H.	Baltimore, Md.	Sugar, gen.	8,400
Columbian	21	21	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Baltimore, Md.	General	6,091
Olympia Maru ²	21	21	Jap.	Kitabisi Trading Co.	Rasin, Japan	Karlshamn, Swed.	Soy beans	8,560
Beduin ^{1 2}	21	21	Nor.	Anderson Ship. Co.	Los Angeles, Cal.	Lands End, Eng.	Gasoline	11,455
Cerigo	21	25	Ger.	Hamburg-Amer. Line	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	1,065
Asturias	22	22	Nor.	Fearnley & Eger	Tumaco, Colom.	Bahia Honda, Col.	Ballast	
American Oriole	21	21	Amer.	Puget Sound Mills	Portland, Oreg.	New York, N. Y.	Lumber	7,098
Harpoon	21	22	Amer.	Shepard S. S. Co.	Puget Sound	Baltimore, Md.	Lumber, gen.	8,838
Hi Wini ¹³	21		Amer.	Milton Dunn	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Mantilla ¹	22	22	Nor.	United Fruit Co.	Balboa, C. Z.	Curacao, N. W. I.	Ballast	
Nero ²	22	23	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee, hides	326
Amicus	21	22	Brit.	Chile Nit. Sales Corp.	Toepilla Chile	Azores ¹⁷	Nitrates	6,072
Yamabiko Maru	22	23	Jap.	Yamashita S. S. Co.	Kobe, Japan	Buenos Aires, Arg.	Oil, gen.	2,260
Abasroka	22	22	Amer.	McCormick S. S. Co.	Pt. T's'd, Wash.	Philadelphia, Pa.	Lumber, gen.	7,646
Junin ¹⁴	20	22	Colom.	Colombian Govern'm't	B'ventura, Col.	Cartagena, Col.		
Asakasan Maru ²	22	22	Jap.	Mitsui & Co.	Yokohama, Japan	New York, N. Y.	General	7,014
Winslow ⁵	22		Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Toulouse	22	23	Nor.	Barber-Wilhelmsen	Dahikan, P. I.	Boston, Mass.	General	4,253
Nuevo Panama ²	23	24	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	81
Istmo	23	24	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	732
Clio ²	23	24	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(19)	93
El Aleto ^{1 2}	22	23	Brit.	C. T. Bowring & Co.	Cabo Bl'oe, Peru	Elles're Pt., Eng.	Crude oil	10,442
Marna	23	23	Dan.	West Coast Line	San Antonio, Chile	New York, N. Y.	General	2,680
Lena Luckenbach	23	23	Amer.	Luckenbach-Gulf Line	Portland, Oreg.	Mobile, Ala.	General	2,876
Orazio ²	23	24	Ital.	Italian Line	Valparaiso, Chile	Genoa, Italy	General	3,452
Surrey	23	23	Brit.	N. Z. Shipping Co.	Napier, N. Z.	Glasgow, Scotland	Frozen, gen.	5,321
Madoera ²	23	24	Neth.	Pac.-Java-Bengal Line	Vancouver, B. C.	Calcutta, India	Lumber, gen.	5,735
Steelore	24	24	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Minerva ²	23	24	Nor.	Chile Nit. Sales Corp.	Toepilla, Chile	Wilmington, N. C.	Nit. of soda	9,390
Cueuta ¹⁵	20	25	Colom.	Colombian Gov't.	B'ventura, Col.	Cartagena, Col.		
Elias G. Kulukundis	23	24	Greek.	Chile Nit. Sales Corp.	Toepilla, Chile	Azores ¹⁷	Nitrates	9,612
Ulm	23	24	Ger.	North German Lloyd	Los Angeles, Cal.	Hook of Holland	Fruits	1,635
San Cipriano ^{1 2}	24	24	Brit.	Eagle Oil & Ship. Co.	Los Angeles, Cal.	United Kingdom	Gasoline	11,408
Daleros	24	24	Brit.	British Phosphate Co.	Nauru Island	Leith, Scotland	Phosphates	7,850
Kongo Maru ²	24	25	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	New York, N. Y.	General	9,055
Lancaster Castle	24	24	Brit.	Chile Nit. Sales Corp.	Iquique, Chile	Azores ¹⁷	Nitrates	8,632
Tasis	24	24	Greek.	Vergo Hs, Ltd.	Vancouver, B. C.	Hull, England	Grain, lumb.	6,900
Marian Otis Chandler	24	24	Amer.	Matson Nav. Co.	Hawaiian Is.	New Orleans, La.	Raw sugar	7,208
Oregon Express ²	24	25	Nor.	Fruit Express Line	Los Angeles, Cal.	Glasgow, Scotland	Fruit, gen.	1,500
Trois Ilets	24	25	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee, wax.	338
Maria Cristina ²	23	24	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(20)	7
Grover Jr. ¹⁶	24		Amer.	G. Gravatt	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Loeke ¹⁶	24		Amer.	J. H. Poole	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
San Ambrosio ^{1 2}	25	25	Brit.	Eagle Oil & Ship. Co.	Los Angeles, Cal.	Lands End, Eng. ¹⁷	Gasoline	10,597
Texan	25	25	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,500
Wyoming	25	25	Fr.	French Line	Seattle, Wash.	Rotterdam, Neth.	General	7,960
Santa Rita ²	25	25	Amer.	Grace Line	Chanaral, Chile	New York, N. Y.	General	3,744
American Reefer ²	25	25	Dan.	J. Lauritzen	Los Angeles, Cal.	Glasgow, Scotland	Fresh fruit	2,043
King City	25	26	Brit.	Mitsui, London	Rushin, Korea	Hamburg, Ger.	Soy beans	8,250
Hanley	25	25	Amer.	Weyerhaeuser S. S. Co.	S. Francisco, Cal.	Newark, N. J.	Lumber, gen.	9,355
G. C. Brovig ^{1 2}	25	25	Nor.	Kawasaki K. Kaisha	Yokohama, Japan	Tampico, Mexico	Ballast	
Henry D. Whiton	25	25	Amer.	Dutton Lumber Corp.	Tacoma, Wash.	New York, N. Y.	Lumber	5,445
Golden Cloud	25	26	Amer.	Matson Nav. Co.	Port Allen, T. H.	Baltimore, Md.	(21)	7,328

¹ Tanker. ² Motor ship. ⁴ Tug. ⁵ Launch. ¹³ Sailboat. ¹⁴ Gunboat. ¹⁵ Training ship. ¹⁶ Motor boat. ¹⁷ For orders. ¹⁸ Canned fruit, general. ¹⁹ Balsa, cacao, hides. ²⁰ Plantains, lumber. ²¹ Sugar, canned pines.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Lieut. Col. H. C. Schumm. ⁴	26	...	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Bennekum	25	26	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	7,059
Stensby ²	25	26	Dan.	Canadian Transp. Co.	Vancouver, B. C.	Sharpness	Lumber, gen.	5,950
Canadian Reefer ²	25	26	Dan.	J. Lauritzen	Los Angeles, Cal.	Liverpool, Eng.	Citrus fruit	1,694
Damsterdijk ²	26	27	Neth.	Holland-Amer. Line	Victoria, B. C.	Rotterdam, Neth.	General	10,433
Texmar	25	26	Amer.	Calmar Line	Longview, Wash.	Norfolk, Va.	Lumber	6,326
Remuera	26	26	Brit.	N. Z. Shipping Co.	Lyttleton, N. Z.	London, England	Frozen, gen.	4,845
P-10 ⁵	26	...	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
P-14 ⁵	26	...	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Sona ²	26	27	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	25
Frank ²	26	26	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	17
Sambu ²	26	27	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	50
Tuira ²	26	27	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	36
Pop Eye ¹³	26	...	Amer.	J. E. Boxendale	Balboa, C. Z.	P. Miguel, C. Z.	Ballast	
Henderson	26	29	Amer.	U. S. Navy	S. Francisco, Cal.	Norfolk, Va.	Navy stores	530
Georgian	27	27	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	6,500
Amerikaland ²	27	28	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,250
Smargd	27	1	Nor.	Grace Line	Champico, Guat.	Cristobal, C. Z.	General	752
Bogota ²	28	...	Ger.	North German Lloyd	Guayaquil, Ecua.	Cristobal, C. Z.	General	1,220
Nero ²	28	29	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee, hides	404
Harry Luckenbach	28	28	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,300
British Monarch	28	29	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	Garston, England	Ties, pulp	7,605
Reina del Pacifico ²	29	...	Brit.	Pacific Steam Nav. Co.	San Antonio, Chile	Liverpool, Eng.	General	4,154
Tuscaloosa City	29	29	Amer.	Isthmian S. S. Co.	Port Allen, T. H.	Baltimore, Md.	General	8,584
Kronprinsessan Margareta ²	27	29	Swed.	Johnson Line	Valparaiso, Chile	Stockholm, Swed.	General	6,259
Neches ¹	30	1	Amer.	U. S. Navy	San Diego, Calif.	Cristobal, C. Z.	(14)	5,105
Athelking ^{1, 2}	29	30	Brit.	Shell Oil Co.	El Segundo, Cal.	Curacao, N. W. I.	Diesel oil	14,366
D. G. Seefield ¹	29	30	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Baltimore, Md.	Asphalt	10,726
Point Calenta	30	30	Amer.	Swayne & Hoyt	Portland, Oreg.	Panama City, Fla.	Lumber, gen.	5,700
Istmo	30	31	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	732
Ino ²	30	31	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	216
Maria Cristina ²	30	30	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	Plantains	8
Kaikoura ²	30	31	Brit.	N. Z. Shipping Co.	Adelaide, Aust. lia	Montreal, Canada	General	4,928
Kyusyu Maru ²	30	1	Jap.	Osaka Shosen Kaisha	Santo Nino, P. I.	Baltimore, Md.	Oil, gen.	2,706
Naruto Maru ²	30	31	Jap.	Nippon Yusen Kaisha	Manila, P. I.	Baltimore, Md.	General	4,597
Eli ²	30	31	Nor.	Anglo-Can. S. S. Co.	Vancouver, B. C.	United K'gd m ¹⁵	Wheat	7,255
Vito ²	31	1	Nor.	Kawasaki K. Kaisha	Iloilo, P. I.	Houston, Tex.	Sugar, gen.	6,537
Risangor	31	31	Nor.	States Marine Corp.	Manila, P. I.	New Orleans, La.	Sugar	7,670
Nebraskan	31	31	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	General	5,639
Astoria ²	31	31	Dan.	Anglo-Can. S. S. Co.	Pt. Alberni, B. C.	Antwerp, Belgium	Lumber, gen.	7,747
City of Rayville ²	31	1	Amer.	Roosevelt S. S. Co.	Kongkong, China	New York, N. Y.	Gen., sugar	3,805
Ferncliff ²	8-1	1	Nor.	Chile Nit. Sales Corp.	Iquique, Chile	Savannah, Ga.	Nit. of soda	7,745
John Bakke ²	1	1	Nor.	DenSkand Syd-Pac. L.	Valparaiso, Chile	Norfolk, Eng.	General	7,221
Trois Ilets	1	3	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	319
Nurnberg ²	1	2	Ger.	North German Lloyd	Corral, Chile	Hamburg, Ger.	General	6,995
Mirabooka ²	1	1	Swed.	Transatlantic S. S. Co.	Pt. Adelaide, Aust.	Leith, Scotland	(16)	8,302
Tatekawa Maru ^{1, 2}	1	1	Jap.	Kawasaki K. Kaisha	Yokohama, Japan	Pto. Mexico, Mex.	Ballast	
San Marcos	1	2	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,426
Lt. Col. H. C. Schumm. ⁴	2	4	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Salvador	1	9	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	Coffee, gen.	573
Itukusima Maru ²	2	2	Jap.	Nippon Yusen Kaisha	Kobe, Japan	Corpus Ch'ti, Tex.	Ballast	
Pacific Grove ²	2	2	Brit.	Furness, Withy & Co.	Victoria, B. C.	Manchester, Eng.	General	9,116
Santa Lucia	2	3	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	5,962
Sambu ²	2	3	Pan.	Elliot Ship. & Land Co.	Panama, R. P.	Cristobal, C. Z.	Bananas	35
Real ²	2	3	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
Frank ²	2	2	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	34
Sona ²	2	3	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	30
La Union ²	2	3	Pan.	A. A. Valdes	Darien, R. P.	Colon, R. P.	Bananas	18
Tuira ²	2	3	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	52
Charles Pratt ¹	2	3	Amer.	Standard Oil of N. J.	Talara, Peru	Halifax, N. S.	Crude oil	15,267
Redgate	2	3	Brit.	Seaboard Shipping Co.	N. Westminster, B. C.	London, England	Lumber	6,250
Nero ²	3	6	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides	504
Cathwood ¹	3	3	Amer.	Union Oil of Calif.	Los Angeles, Cal.	Savannah, Ga.	Crude oil	9,028
Calmar	3	3	Amer.	Calmar Line	Olympia, Wash.	Baltimore, Md.	Lumber	5,476
Awata Maru ²	3	3	Jap.	Nippon Yusen Kaisha	Yokohama, Japan	Hamburg, Ger.	General	7,456
Q-2 ⁵	3	...	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Winslow ⁵	3	...	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Snestad ²	3	4	Nor.	Fern Line	Manila, P. I.	Philadelphia, Pa.	(17)	6,815
Parthenia	3	4	Brit.	Donaldson Line	Vancouver, B. C.	Glasgow, Scotland	General	5,256
Winkleigh	3	5	Brit.	Seaboard Shipping Co.	Pt. Alberni, B. C.	London, England	Wheat, lum.	7,780
Susan V. Luckenbach	4	4	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,107
Quito ²	4	6	Ger.	North German Lloyd	Callao, Peru	Cristobal, C. Z.	Coffee, gen.	824
Falcon	4	4	Amer.	Grace Line	Callao, Peru	Baltimore, Md.	Ore, skins	3,798
West Notus	4	4	Amer.	McCormick S. S. Co.	Seattle, Wash.	New York, N. Y.	Lumber, gen.	6,940
Washingtonian	3	4	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	6,520

¹ Tanker. ² Motor ship. ⁴ Tug. ⁵ Launch. ¹³ Motor boat. ¹⁴ Gasoline, Diesel oil. ¹⁵ For orders. ¹⁶ Grain, wool, ore. ¹⁷ Sugar, chrome ore, rope.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
W. S. Rheem ¹	4	5	Amer.	Standard Oil of Calif.	Estero Bay, Calif.	Dunkirk, France.	Crude oil.	13, 826
Christian Holm ^{1 2}	4	4	Dan.	Standard Oil of N. J.	Talara, Peru	Halifax, N. S.	Crude oil.	13, 467
Anna Maersk ²	4	6	Dan.	A. P. Moller	Bugo, P. I.	New York, N. Y.	General.	6, 762
Floridan	4	5	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General.	7, 000
Australian Reefer ²	5	5	Dan.	J. Lauritzen	Los Angeles, Cal.	Liverpool, Eng.	Fruit.	2, 180
Houston ¹²	4	5	Amer.	U. S. Navy	S. Francisco, Cal.	E. coast, U. S. A.		
McDougal ⁹	4	5	Amer.	U. S. Navy	San Diego, Calif.	Pensacola, Fla.		
Istmo	5	5	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	732
Ousebridge	5	5	Brit.	Anglo-Can. S. S. Co.	Pt. Alberni, B. C.	Antwerp, Belgium	(13) Oranges	7, 348
Mosun ²	5	5	Nor.	Neptune Shipping Co.	Los Angeles, Cal.	Liverpool, Eng.	Oranges	1, 730
Clio	5	6	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	549
Ramon de Larri- naga	5	6	Brit.	Canadian Transp. Co.	Vancouver, B. C.	London, England	General.	8, 391
Barbara ⁵	5	5	Amer.	Lester Largent	Balboa, C. Z.	Gatun Lake, C. Z.	Ballast.	
Helkat ⁵	5	5	Amer.	J. F. Hatchett	Miraflores, C. Z.	Gatun Lake, C. Z.	Ballast.	
Sappho ⁵	5	5	Amer.	Al. Meigs	Miraflores, C. Z.	Gatun Lake, C. Z.	Ballast.	
Boxhill	5	6	Brit.	Counties Ship Man- agement Co.	Pt. Alberni, B. C.	London, England	Grain, lum.	7, 835
Jacob Luckenbach	6	6	Amer.	Luckenbach Line.	Portland, Oreg.	Tampa, Fla.	General.	3, 299
Cumberland	6	6	Brit.	Fed. Steam Nav. Co.	Auckland, N. Z.	London, England	Frozen, gen.	5, 418
Harperley	6	6	Brit.	Anglo-Can. S. S. Co.	McB'd Bay, B. C.	London, England	Lumber, gen.	6, 468
Dallas No. 199 ⁹	6	6	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Titanian	6	6	Nor.	N. Negroes Sugar Co.	Hilo, P. I.	New York, N. Y.	Sugar	7, 850
Royal Scepter	6	6	Brit.	Seaboard Shipping Co.	Vancouver, B. C.	Liverpool, Eng.	Lum., barley	7, 679
Nyhorn ²	6	6	Nor.	Knutson Line	Victoria, B. C.	Belfast, Ireland	(14) Bananas	6, 593
Maria Cristina ²	6	9	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(15) Bananas	18
Real ²	6	8	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	General.	6, 740
Barneveld	6	7	Neth.	Royal Neth. S. S. Co.	Valparaiso, Chile.	Hamburg, Ger.	(16) Iron ore	21, 200
Birmingham City	6	7	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Baltimore, Md.	(17) Lumber	6, 124
Balboa ²	7	8	Swed.	Johnson Line	S. Francisco, Cal.	Stockholm, Swed.	General.	8, 191
Pomona	7	7	Amer.	Weyerhaeuser S. S. Co.	S. Francisco, Cal.	Norfolk, Va.	(18) Nitrites	8, 217
Marija Petrinovic	7	7	J. Slav.	Chile Nit. Sales Corp.	Iquique, Chile	Azores ¹⁷	Lumber	6, 124
Jane Christenson	7	7	Amer.	Arrow Line	S. Bend, Wash.	Baltimore, Md.	Iron ore	21, 200
Bethore	7	8	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	General.	9, 227
Oregon ²	7	8	Fr.	French Line	Valparaiso, Chile.	Liverpool, Eng.	Lumber	7, 206
Anglo-Indian.	8	8	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Portsmouth, Eng.	Frozen, gen.	5, 996
Akora	7	8	Brit.	Shaw, Savill & Albion	Auckland, N. Z.	London, Eng.	Lumber, gen.	7, 695
Arkansas	8	9	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Nitrites	6, 527
Matros ²	9	9	Pan.	Chile Nit. Sales Corp.	Antof'gasta, Chile	Jacksonville, Fla.	General.	989
Pereira	9	9	Pan.	Grace Line	Champ'ito, Guat.	Cristobal, C. Z.	(18) General.	8, 923
Alphard ²	9	9	Neth.	Anglo-Canadian Co.	Pt. Alberni, B. C.	London, England	General.	4, 407
West Cactus	7	9	Amer.	McCormick S. S. Co.	Vancouver, B. C.	Buenos Aires, Arg.	Ballast.	
Andino ¹	7	24	Brit.	Lago Shipping Co.	Balboa, C. Z.	Aruba, N. W. I.	Tow barge.	
Lt. Col. H. C.	9	9	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Schumm ⁴								
Winslow ⁵	9	10	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Bananas	35
Sona ²	9	10	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	38
Sambu ²	9	10	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	47
Tuira ²	9	10	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Lumber	6, 621
Rokos	9	10	Greek	Seaboard Ship. Co.	Englewood, B. C.	Manchester, Eng.	Silk, general.	2, 564
Kimikawa Maru ²	10	10	Jap.	Kawasaki K. Kaisha	Dairen, China	New York, N. Y.	Army stores.	150
Chateau Thierry ⁸	8	10	Amer.	U. S. Army	Balboa, C. Z.	New York, N. Y.	Gasoline	9, 169
Sysla ¹	10	10	Nor.	E. A. Gibson & Co.	Los Angeles, Cal.	Thamesh'n, Eng.	Frozen, gen.	6, 584
Trojan Star	9	10	Brit.	Blue Star Line	Auckland, N. Z.	London, England	General.	5, 110
Tokai Maru ²	10	10	Jap.	Osaka Shosen Kaisha	Darien, R. P.	Hamburg, Ger.	General.	6, 926
Dakotan	10	10	Amer.	Amer.-Hawaiian Line.	Astoria, Oreg.	Boston, Mass.		

¹ Tanker. ² Motor ship. ⁴ Tug. ⁵ Launch. ⁸ Transport. ⁹ Destroyer. ¹² Cruiser. ¹³ Lumber, zinc concentrates. ¹⁴ Lumber, wheat, general. ¹⁵ Plantains, lumber. ¹⁶ Lumber, pulp, general. ¹⁷ For orders. ¹⁸ Lumber, wheat, zinc, general.

Visit of President Roosevelt

President Franklin Delano Roosevelt made his third visit to the Canal Zone on August 4 and 5 while Chief Executive. He arrived Thursday afternoon, August 4, on the U. S. S. *Houston*, with the destroyer *McDougal* as convoy. During the afternoon he entertained Governor and Mrs. C. S. Ridley, President and Mrs. Juan D. Arosemena and a group of invited guests at tea aboard the *Houston*. Later he received a representative group of 50 oldtime employees of the Canal. President Roosevelt and his party disembarked at 10:30 o'clock Friday morning for a ride west of the Canal, returning via Pedro Miguel Locks and Fort Clayton and Corozal. He was accompanied by Governor Ridley and President Arosemena. Following a luncheon at the Governor's home Friday, the party boarded a special train at 2:30 p. m. Friday at Balboa for Cristobal. A tour of inspection was made of the principal points of interest on the Atlantic side and practically all of the military posts and naval bases located there. The President and his party boarded the *Houston* at Gatun Locks about 5:30 p. m. and the cruiser and convoy ship cleared the locks immediately after, sailing for Pensacola, Florida.

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Traffic Through the Panama Canal in August 1938

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

	August 1936	August 1937	August 1938		
			Atlantic to Pacific	Pacific to Atlantic	Total
Ocean-going commercial traffic.....	473	505	248	220	468
Local commercial vessels ¹	57	70	46	38	84
Noncommercial vessels:					
United States Government.....	32	34	29	21	50
Colombian Government.....	2	1			
State of New York.....	1				
For repairs.....	1	1		1	1
Total.....	566	611	323	280	603

¹ Vessels under 300 net tons, Panama Canal measurement.

OCEAN-GOING COMMERCIAL TRAFFIC²

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 twelve months ended August 31, 1938, as compared with the twelve months ended August 31, 1937:

Month	No. of vessels		³ Panama Canal net tonnage		Tons of cargo		Tolls	
	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8
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	2,135,283	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	2,511,674	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	2,279,255	2,067,026.68	1,961,456.58
May.....	544	465	2,889,127	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	2,070,337.89	1,801,291.78
July.....	457	429	2,395,306	2,091,000	2,476,366	2,025,660	2,029,642.45	1,694,205.00
August....	505	468	2,597,119	2,354,000	2,780,603	2,171,674	2,195,308.87	1,890,050.74
Total....	5,420	5,459	27,721,202	27,510,684	28,518,689	26,326,289	\$2,276,442.98	\$2,529,193.12

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

These figures indicate the Panama Canal net tonnage as determined under the rules of measurement in effect prior to March 1, 1938.

³ 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.

⁴ Estimated tonnage under the former rules, based on total Panama Canal net tons as now measured, July 1938, 1,983,816; August 1938, 2,177,699.

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 August 1938. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	⁶ Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	46	1,979	\$1,610.82	571
Pacific to Atlantic.....	38	1,695	1,510.02	1,990
Total.....	84	3,674	3,120.84	2,561

⁶ As measured under the present Panama Canal rules.

Traffic by Nationality of Vessels⁷ for August 1938

	No. of transits	⁸ Panama Canal net tonnage	Tolls	Tons of cargo
British.....	109	581,181	\$500,377.14	478,387
Chilean.....	1	5,011	4,509.90	5,236
Danish.....	17	68,586	59,531.58	54,023
French.....	8	35,578	32,020.20	31,309
German.....	27	107,468	96,721.20	119,602
Greek.....	5	23,339	19,198.80	21,015
Honduran.....	1	1,616	1,163.52	.....
Italian.....	3	19,428	17,485.20	11,620
Japanese.....	32	187,949	166,713.30	205,382
Netherlands.....	25	56,797	47,650.86	42,141
Norwegian.....	60	253,954	212,887.44	239,053
Panamanian.....	15	33,076	27,014.22	32,454
Peruvian.....	1	1,526	1,373.40	1,094
Soviet.....	⁹ 2	.....	1,600.00	.....
Swedish.....	14	66,905	57,278.88	96,951
United States.....	145	722,910	633,387.60	809,977
Yugoslav.....	3	12,375	11,137.50	23,427
Total.....	468	2,177,699	1,890,050.74	2,171,674

⁷ Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.⁸ As measured under the present Panama Canal rules.⁹ Two survey ships of 3,200 displacement tons.

Traffic by Trade Routes for August 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	¹⁰ Panama Canal net tonnage	Tons of cargo	No. of ships	¹⁰ Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	57	286,949	191,015	44	220,690	349,085
East coast United States and:						
Canada.....	5	24,970	2,719	2	8,692	10,597
Central America and Mexico.....	2	3,197	2,986	.....	.....	.....
South America.....	20	80,031	15,881	18	69,525	169,679
Hawaiian Islands.....	4	17,550	3,341	6	28,538	49,825
Australasia.....	6	33,788	31,365	1	4,535	5,342
Philippine Islands.....	10	55,752	46,672	13	72,673	93,969
Far East.....	15	86,255	107,226	2	13,132	2,564
Asia.....	.....	.....	.....	1	1,802	535
Canada intercoastal.....	1	4,853	4,350	1	4,862	6,900
East coast Canada and:						
United States.....	1	3,201	6,666	1	2,560	4,880
South America.....	.....	.....	.....	2	14,643	28,734
Australasia.....	6	31,187	35,360	1	5,476	2,196
Central America and Mexico intercoastal.....	.....	.....	.....	.....	.....	.....
East coast Central America/Mexico and Far East.....	1	6,711	11,080	2	13,867	.....
South America intercoastal.....	4	9,187	14,105	1	1,526	1,094
East coast South America and:						
United States.....	2	9,193	2,817	.....	.....	.....
Canada.....	2	9,384	3,091	1	4,559	4,407
Philippine Islands.....	.....	.....	.....	1	5,331	6,794
Far East.....	3	16,088	15,571	.....	.....	.....
Cristobal and:						
Central America and Mexico.....	5	3,256	3,609	5	3,231	3,576
South America.....	13	6,651	2,944	16	9,569	10,016
West Indies and:						
United States.....	2	10,889	.....	7	43,232	84,883
Central America and Mexico.....	1	4,272	8,906	.....	.....	.....
South America.....	.....	.....	.....	1	7,234	14,932
Europe and:						
United States.....	21	91,827	3,093	13	60,272	90,544
Canada.....	32	169,474	38,202	34	172,193	251,282
Central America and Mexico.....	1	1,778	.....	1	3,238	6,457
South America.....	22	114,038	40,192	23	116,521	185,057
Australasia.....	9	68,240	44,468	14	91,285	91,501
Far East.....	.....	.....	.....	7	35,702	52,832
Egypt and South America.....	1	4,877	3,500	.....	.....	.....
Around the world.....	.....	.....	.....	1	5,570	4,764
Vessels not engaged in commerce.....	¹¹ 2	.....	.....	.....	.....	.....
Total.....	248	1,153,598	639,159	220	1,024,101	1,532,515

¹⁰ As measured under the present Panama Canal rules.¹¹ Survey ships.

Origin and Destination of Cargo by Major Areas

The following table summarizes the origin of cargo passing through the Canal in August 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	193,699	6,686	151,258	13,477	29,193	394,313
Other North America	10,306	19,841	11,382	22,911	37,610	102,050
Europe	25,394	9,985		36,333	43,522	115,234
Miscellaneous	7,516	86	15,592	3,500	868	27,562
Total	236,915	36,598	178,232	76,221	111,193	639,159

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	347,346	96,785	185,189	3,796	633,116
Canada	10,587	8,823	154,484	1,884	175,788
Other North America	49,825	4,409	6,588		60,822
South America	165,101	60,606	183,311	1,114	409,532
Australasia	7,140	398	91,501		99,039
Asia	100,055	2,350	51,335	478	154,218
Total	680,064	172,771	672,408	7,272	1,532,515

Principal Commodities

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

Commodity	August		Commodity	August	
	1937	1938		1937	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Ammonium compounds	14,710	6,207	Beans, edible, dry	11,256	13,684
Asphalt and tar	11,313	7,409	Borax	11,168	3,358
Automobiles and parts	26,877	15,093	Canned goods, various	96,004	106,265
Canned goods, various	13,166	7,962	Coffee	12,036	16,527
Cement	10,366	8,037	Cold storage (food products) ¹²	11,382	32,618
Chemicals	9,310	10,083	Copra	15,705	24,542
Coal and coke	17,618	14,197	Cotton, raw	13,374	9,502
Corn	21,462	21	Flour	14,535	13,389
Cotton, raw	4,267	21,099	Fruit, dried	16,566	24,803
Iron and steel	249,215	124,583	Fruit, fresh ¹³	10,868	22,249
Machinery	12,974	11,181	Lumber	306,738	268,374
Manufactured goods	15,180	12,301	Metals, various	67,245	49,003
Metals, various	76,480	26,725	Nitrates	75,885	84,082
Oils, mineral	64,656	75,325	Oils, mineral	409,944	310,114
Ores	14,256	2,491	Oils, vegetable	19,556	14,281
Paper	36,883	48,532	Ores	202,437	161,261
Phosphates	27,843	1,494	Paper	15,748	12,712
Scrap metal	169,690	41,068	Phosphates	14,258	6,400
Sulphur	35,232	20,289	Rice	10,406	1,268
Timplate	16,761	5,677	Sugar	164,031	102,833
Wood pulp	16,318	5,623	Wheat	2,943	43,757
			Wood pulp	32,121	13,345
<i>Pacific to Atlantic</i>					
Asphalt and tar	11,186	612			
Barley	33,252	39,850			

¹² Does not include fresh fruit.

¹³ Does not include bananas.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of August 1938, as reported in the cargo declarations showing the movement, by direction, 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		13	29	61
Agricultural implements	409	5	4,173	92
Alfalfa meal		513		871
Ammonium compounds	73		6,207	1
Animal foods ¹⁴		144		514
Apparel, wearing (hats, shoes, clothing, etc.)	123		123	33
Asbestos	397	18	1,156	50
Asphalt and tar	108		7,409	612
Automobiles (and autotricks)	380	5	10,795	46
Automobile parts and accessories	182	134	4,298	147
Bags and bagging, textile	58	10	91	10
Bamboo and products				114
Bananas				1,632
Barks, miscellaneous		61		441
Barley		74	1	39,850
Beans, edible, dry	22	4,970	39	13,684
Beer	50		417	117
Blood and tankage				250
Bones and bone meal			756	
Books and printed matter	21		151	
Borax	20	372	445	3,358
Bran and pollards	27	27	27	2,733
Bricks and tile	491		1,453	
Canned and preserved goods:				
Fish	304	12,377	524	20,992
Fruit	1,397	23,002	1,468	69,786
Meat	148	31	998	675
Milk	13	86	422	151
Soup	1,445		1,514	
Vegetables	294	6,992	380	7,097
Miscellaneous and unclassified	2,301	7,217	2,656	7,561
Carbon black	51		825	
Celite		1,183		1,183
Cement	505	11	8,037	16
Chalk			160	
Charcoal			110	
Chemicals ¹⁴	4,435	454	10,083	1,069
Clay, china and fire	305	361	474	498
Clay, filtering	450	60	450	124
Coal	1,663		9,786	
Cocoa and cacao beans	412		976	1,603
Coconuts and products ¹⁴	149	1,351	245	3,065
Coffee	273	36	8,028	16,527
Coke	20	27	4,411	33
Cold storage and refrigerated products:				
Dairy products	26	59	176	10,652
Eggs				141
Fish	78		88	208
Lard	542	6	568	62
Meats	23		425	21,318
Poultry			40	
Vegetables	27	77	51	237
Other and unclassified			23	
Confectionery	1,124		1,159	
Copra				24,542
Corn			21	1,000
Cotton, raw	15	292	21,099	9,502
Creosote			15	
Drugs and medicines	2,170	121	2,505	270
Earthenware			87	202
Electrical apparatus and appliances	1,772	122	2,664	193
Enamelware and metalware	390		411	27
Explosives		96	101	96
Extract, quebracho			513	
Fertilizers ¹⁴	200	106	1,639	1,726
Fish meal	13		53	2,172
Floor coverings	2,300	1,358	2,478	1,676
Flour	308	11,003	899	13,389
Fruit, dried	14	14,094	14	24,803
Fruit, fresh ¹⁴		932	35	22,249
Furniture and household goods	218	188	291	193
Gallnuts				40
General	16,509	3,467	51,763	10,179
Glass and glassware	2,117	16	4,621	250
Glue	35	159	35	163
Grains, other and unclassified		61	25	161

¹⁴ 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
Groceries.....	1,073	493	1,438	2,032
Gums.....	21	47	21	338
Hair, all kinds.....	137	87	140	322
Hay.....		184	8	300
Hemp, unmanufactured.....	25	59	30	1,656
Honey.....		175		307
Horns and hoofs.....			49	
Infusorial earth.....		470	15	648
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.).....	59,238	356	124,583	404
Ivory nuts.....		106	221	2,325
Jute, unmanufactured.....	25		86	32
Lard substitute.....	1,305		1,305	
Lime.....	15		115	
Liquors.....	3,400	357	4,332	376
Lumber (including manufactured mill products).....	2,401	120,786	3,906	268,374
Machinery.....	2,267	505	11,181	731
Malt.....			144	
Manufactured goods ¹⁴	8,301	417	12,301	2,884
Marble and granite.....	49		163	6
Matches.....	321	17	424	17
Metals:				
Copper.....	195	1,843	8,736	25,805
Gold and silver.....				18
Iron.....	3,323		14,209	387
Lead.....	108	2,691	1,681	15,904
Tin.....	199	80	234	730
Zinc.....	44		1,025	6,016
Other and unclassified.....	201	24	840	143
Milk, powdered.....		686	7	841
Molasses and syrups.....	707		856	296
Nitrate.....	5,250		5,275	84,082
Nuts, edible (including meats).....		212	253	2,130
Oats.....	78	369	78	4,111
Oils, mineral:				
Crude.....	91	53,672	13,818	132,967
Gas and fuel.....			32,950	46,893
Gasoline, benzine and naphtha.....	39	18,515	10,969	94,220
Kerosene.....		9,200	49	35,004
Lubricating and greases.....	7,248	917	17,337	1,030
Other and unclassified.....			202	
Oils, vegetable:				
Coconut.....		447	303	10,296
Cottonseed.....			340	273
Linseed.....	5		108	
Olive.....			1,544	
Peanut.....				302
Teaseed.....				220
Wood.....	45		58	1,450
Other and unclassified.....	12	42	542	1,740
Oil, fish.....	416	20	503	4,142
Oil, whale.....		671	37	671
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.).....		12	3,663	1,855
Oilseed cake and meal.....	2,044		2,069	5,201
Ores:				
Antimony.....		107	30	332
Chrome.....				5,000
Copper.....		448	106	5,232
Gold and silver.....				3,735
Iron.....			10	116,419
Lead.....				4,851
Magnesite.....		518		10
Manganese.....	2,097		2,097	1,042
Tin.....				4,133
Zinc.....	22		27	16,263
Other and unclassified.....	22		211	3,700
Paints and varnishes.....	718	223	1,687	246
Paper and paper products ¹⁴	12,134	5,869	48,532	12,712
Peanuts.....	348		348	269
Peas, dry.....		1,488		9,028
Peatmoss.....			890	
Phosphates.....	1,274		1,494	6,400
Plaster.....			130	
Porcelainware.....	419	75	1,235	2,189
Potash.....	18	3,948	2,607	9,277
Pyrethrum flowers.....				149
Rags and waste.....	114	78	386	436
Railroad material.....			5,418	
Rice.....	410	113	525	1,268
Rope and twine.....	163	20	321	1,356

¹⁴ 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
Rosin.....	1,281		3,451	
Rubber:				
Manufactured.....	1,483	66	2,051	98
Raw.....	16	60	16	2,917
Scrap.....	51	25	335	56
Salt.....	178	170	6,302	170
Sand.....	963		1,816	
Scrap metal.....	334	251	41,068	1,666
Seeds (except oilseeds).....	20	1,060	222	1,666
Shells, oyster.....	899		899	319
Silk, raw.....		93	88	2,058
Skins and hides.....	31	2,053	375	6,075
Slag.....			1,332	
Slate.....	2,264		2,264	
Soaps and products.....	2,768	118	2,960	188
Soda and sodium compounds:				
Soda ash.....	720		1,082	508
Soda, caustic.....	564		1,268	
Miscellaneous and unclassified.....	379		1,892	59
Soy beans.....	72		72	36,309
Spices.....	205	121	247	324
Sugar.....		8,192	303	102,833
Sulphur.....	13,167		20,289	10
Talc.....		118		327
Tallow.....	100	259	112	2,164
Tea.....	36	166	120	837
Textiles ¹⁵	4,221	164	7,123	1,592
Tinplate.....	1,465		5,677	425
Tobacco and manufactures.....	459	44	3,424	261
Toilet preparations.....	309		401	1
Turpentine.....	263		325	
Vegetables, dry ¹⁴			2	397
Wall board.....	110		288	699
Wax, paraffin.....	75		1,338	236
Wheat.....		73		43,757
Wines.....	46	1,080	795	1,923
Wood pulp.....	368	10,515	5,623	13,345
Wool.....	123	4,650	471	8,715
Total, August 1938.....	193,699	347,346	639,159	1,532,515
Total, August 1937.....	276,304	433,150	1,062,590	1,718,013
Total, August 1936.....	277,091	475,033	770,943	1,625,388

¹⁴ Except as otherwise classified.¹⁵ Cotton, silk, wool, rayon goods.

Tanker Traffic

The following tabulation shows the tanker traffic through the Canal during the month of August 1938, classified according to trade routes:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	¹⁶ Panama Canal net tonnage	Tons of cargo	No. of ships	¹⁶ Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	9	51,790		7	41,177	81,387
East coast United States and:						
South America.....	1	5,900	980			
Hawaiian Islands.....	1	3,732				
Far East.....	1	6,849	11,803	1	6,849	
East coast Canada and South America.....				2	14,643	28,734
Central America/Mexico intercoastal.....				1	3,643	
East coast Central America/Mexico and						
Far East.....	1	6,711	11,080	2	13,867	
South America intercoastal.....	1	6,268	12,854			
West Indies and:						
United States.....	2	10,889		7	43,232	84,883
Central America and Mexico.....	1	4,272	8,906	1		
South America.....				1	7,234	14,952
Europe and:						
United States.....	6	35,802		5	31,186	58,698
South America.....	5	30,644		3	20,081	39,984
Total.....	28	162,857	45,623	29	181,912	308,638

¹⁶ As measured under the present Panama Canal rules.

Comparison of Canal Traffic in August 1938, 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
		(000 omitted)	(000 omitted)			(000 omitted)	(000 omitted)
1915	148	17 492	571	1915	18 100	361	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
1938	468	2,354	2,172	1938	460	19 2,338	2,282
				(20)	460	21 2,290	

¹⁷ Canal opened August 15, 1914. ¹⁸ Average for 10½ months. ¹⁹ As measured under the rules in effect prior to March 1, 1938. ²⁰ Average for 8 months of calendar year 1938. ²¹ Estimated tonnage under Panama Canal rules in effect prior to March 1, 1938.

Terminal Activities

Ships repaired during the month of August 1938 numbered 53, of this number 8 were drydocked. Fuel and Diesel oil in the quantity of 243,897 barrels was delivered as bunkers to 128 commercial ships. Bunker coal amounting to 6,251 tons was delivered to 22 commercial ships. Sales of commissary supplies to ships aggregated \$24,140.30.

Cargo Handled at Terminal Ports, August 1938

	Cristobal	Balboa	Total
Local cargo arriving..... tons	18,487	9,101	27,588
Local cargo shipped..... tons	3,193	1,223	4,416
Cargo received for transshipment..... tons	45,388	1,866	47,254
Cargo transhipped..... tons	43,114	1,405	44,519
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	2		2
Number of releases issued.....	26	6	32
Tons received.....	16		16
Tons withdrawn.....	27	4	31

All Vessels Entering and Clearing Port, August 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.....	537	3,216,974	1,947,968	505	2,903,428	1,772,750
Vessels entering port but not transiting Canal.....	57	353,097	192,319	6	21,962	13,156
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	131	759,376	456,530	106	613,779	370,239
<i>Ships clearing</i>						
All vessels, including those transiting Canal.....	538	3,234,885	1,956,704	504	2,890,197	1,764,029
Vessels clearing port but not transiting Canal.....	56	356,913	191,822	7	22,374	13,368
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	135	787,133	473,333	105	607,975	366,574

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, 1938, to midnight September 10, 1938. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Tatuno Maru, 61, 15	Santa Lucia, 459, 179½	Kiyokawa Maru, 717, 12	Hoyanger, 39, 9	Mantilla, 3,594, 0
Port Antonio, 0, 759	Quirigua, 910, 2,152	Musa, 901, 201	Bretagne, 82, 1,250	City of Los Angeles, 402, 0
Amasis, 161, 236	Sesostri, 0, 887	Breda, 0, 141	Santa Maria, 540, 5	Quirigua, 9, 305
Trois Ilets, 291, 0	Baarn, 73, 666	Margaret Lykes, 971½, 879	Ville de Verdun, 0, 78	Santa Rita, 243, 19
Talamanca, 154, 1,487	Clio, 178, 139	Santa Barbara, 345, 345	Dresden, 127, 462	Santa Rosa, 185, 216
Santa Rita, 390, 417	Nero, 240, 0	Jamaica, 175, 736	Real, 0, 25	Niel Maersk, 709, 22
Guayaquil, 1,861, 403	Durazzo, 1,159, 34	Lagarto, 36, 425	Anubis, 9, 49	Trois Ilets, 354, 100
Ulua, 1,015, 180	Cacique, 88, 0	San Diego, 540, 656	Salvador, 717, 806	Washington, ½, 0
Rialto, 159, 29	Asuka Maru, 166, 0	Weser, 147, 339	Hermonthis, 133, 174	Naumburg, 11, 0
Nero, 621, 421	Nela, 201, 265	Duesseldorf, 135, 440	Platano, 893, 377	Leipzig, 86, 517
Cerigo, 1,224, 328	Santa Marta, 592, 266	Nero, 250, 119	Ancon, 2,966, 613	Orazio, 98, 0
Quito, 22, 436	Istmo, 810, 141	Cerigo, 0, 221	Veragua, 129, 1,727	Contessa, 271, 669
Benjamin Franklin, 39, 531	Magister, 196, 57	Iuo, 370, 258	San Rafael, 532, 41	Oakland, 149, 810
John Worthington, 1,396, 0	Crijnsen, 68, 273	Mantilla, 803, 294	Saarlund, 407, 213	San Antonio, 352, 379
Maine, 336, ½	Nagara Maru, 104, 0	Colombia, 109, 42	Bogota, 1,478, 0	Nuevo Panama, 0, 82½
Este, 112½, 624	Annie Johnson, 134, 256	Durazzo, 34, 355	City of Hankow, 69, 233	Sambu, 0, 5
Ino, 282, 36	Losada, 37, 3	Tolosa, 915, 281	Istmo, 808, 254	Lochkatrine, 95, 1 pkg.
Istmo, 1,007, 192	Trois Ilets, 384, 12	Buenaventura, 1,457, 600	Manizales, 29, 223	Komaki Maru, 364, 0
Pasajero, 0, 12½	Perene, 0, 223	Quito, 1,392, 499	Santa Inez, 415, 270	Musa, 1,026, 2
Malmanger, 10,776, 0	Samuel Bakke, 0, 180	Smaragd, 849, 850	San Jose, 376, 579	Axel Johnson, 58, 266
Aequator, 4, 0	Santa Paula, 75, 47	Imperial, 86½, ½	Alkmaar, 180, 1,648	Chiriqui, 414, 488
Osnabruck, 286, 473	Chiriqui, 120, 201	Europa, 0, 17	Nero, 273, 139	Santa Clara, 480, 88
Havelland, 281½, 0	Caribia, 161, 35½	Trois Ilets, 291, 36	Knute Nelson, 24, 131	Boskoop, 55, 234
Santa Inez, 561, ½	Itauri, 30, 284	Tai Yang, 1,119, 0	Sixaloa, 1,238, 243	Guayaquil, 2,167, 528
Santa Rosa, 154, 69	Tacoma, 53, 243	Narenta, 316, 154	Clio, 370, 202	Ino, 381, 84
Veragua, 61, 317½	Kirisima Maru, 234, 0	Santa Elena, 161, 254	Emma Bakke, 287, 0	Nero, 281, 125
Lautaro, 12, 257	Yamagiri Maru, 389, 0	Talamanca, 9, 164	West Camargo, 577, 92	Pereira, 607, 461
Pereira, 0, 682	Ganfsjord, 148, 56	Lochavon, 62, 22	Falcon, 83, 478	Cerigo, 989, 1,089
Sambu, 0, 8	Santa Clara, 602, 7	Helga, 0, 50	Margaret Johnson, 227, 197	Cellina, 130, 877
Crijnsen, 71, 2	Vermont, 164, 24	Canada, 6, 0	Lysefjord, 99, 119	Ulua, 622, 97
Cefalu, 177, 696	Maravi, 0, 129½	Portland, 106, 171	Assuan, 36, 0	Istmo, 815, 309
San Gabriel, 289, 0	Sambu, 0, 7½	Caribia, 54, 914	Orbita, 51, 10	Leme, 125, 39
Acajutla, 484½, 576	Wayfarer, 256, 0	Virgilio, 1, 22	Kinai Maru, 348, 53	Nebraska, 148, 42
Port Halifax, 0, 501	Silverbelle, 980, 0			Reina del Pacifico, 23, 691
Cristobal, 2,605, 726	Contessa, 365, 471			
Rhakotis, 25, 251	D.G. Seefeld, 12,707, 0			

BALBOA

City of Los Angeles, 0, 29	Olaf Bergh, 482, 0	Santa Barbara, 196, 48	Salvador, 3, 0	Falcon, 3, 0
Santa Rita, 157, 10	Santa Lucia, 378, 10	Miss C. B., 1, 9	West Camargo, 985, 0	Niel Maersk, 132, 0
John Worthington, 3,658, 0	City of San Francisco, 10, 77	San Diego, 946, 0	Smaragd, 0, 2	St. Mihiel, 38, 0
Munchen, 0, 661	Grant, 39, 47	City of Norfolk, 0, 64	Bachaquero, 6,258, 0	Republic, 232, 0
Santa Inez, 1, 0	City of Norfolk, 0, 64	Chateau Thierry, 1,026, 0	City of Newport News, 0, 71	City of Newport News, 0, 71
Pereira, 0, 81	Santa Clara, 16, 10	Chateau Thierry, 1,026, 0	City of Baltimore, 0, 88	Santa Clara, 99, 0
Ludington, 1,900, 84	Samuel Bakke, 703, 0	Nero, 0, 54	Santa Inez, 105, 0	
	Capac, 306, 0	Tai Yang, 290, 0		

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

Passengers

Ocean ship passengers disembarking at Canal ports during August 1938, numbered 2,602 at Cristobal; and 1,013 at Balboa; embarking 2,394 at Cristobal and 789 at Balboa. Passengers passing through the Canal numbered 3,205 from the Atlantic to the Pacific, and 2,513 from the Pacific to the Atlantic. Aircraft numbering 51 entered Cristobal and 231 passengers disembarked; clearances were 51, with 219 passengers embarking. At Balboa entries of aircraft numbered 54, with 160 passengers disembarking; clearances were 54, with 148 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 August 10, 1938, to midnight September 10, 1938

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Santos ²	10	11	Swed.	Johnson Line.....	Goth'burg, Swed.	Valparaiso, Chile.	General.....	557
West Ira.....	10	11	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Vancouver, B. C.	General.....	2,817
Loosdrecht ^{1 2} ...	10	11	Neth.	Wirtshafce Torse- hungs-gesellschaft.	Hamburg, Ger...	S. Francisco, Cal.	Ballast.....	.....
Arna ²	10	11	Nor...	Seaboard Ship. Co....	Baltimore, Md...	Vancouver, B. C.	Ballast.....	.....
African Reefer ² ...	11	11	Dan...	J. Lauritzen.....	London, England	North Pacific pts.	Ballast.....	.....
Temple Mead.....	11	11	Brit...	Chile Nit. Sales Corp.	Flushing, Neth...	Chile.....	Ballast.....	.....
Edwin Christen- son.....	11	11	Amer.	Sudden & Christenson	Baltimore, Md...	Seattle, Wash...	General.....	4,658
Egyptian Reefer ²	11	11	Dan...	J. Lauritzen.....	Hamburg, Ger...	S. Francisco, Cal.	Ballast.....	.....
Munchen ²	10	11	Ger...	North German Lloyd.	Hamburg, Ger...	Talcahuano, Chile.	General.....	4,461
Castor ^{1 2}	11	12	Swed.	Standard Oil of N. J.	Caripito, Venez.	Tocopilla, Chile.	Fuel oil.....	12,854
Lt. Col. H. C. Schumm, ⁴	9	...	Amer.	U. S. Army.....	Cristobal, C. Z.	Balboa, C. Z....	Tow. barge..	.....
City of Los An- geles, ²	12	12	Amer.	Panama-Pacific Line.	Baltimore, Md...	S. Francisco, Cal.	General.....	1,891
City of Dalhart ²	11	12	Amer.	Roosevelt S. S. Co...	Newp't News, Va.	Brisbane, Aust'lia	Oil, gas, gen.	5,285
Wairangi ²	12	12	Brit...	Shaw, Savill & Albion	Liverpool, Eng...	Auckland, N. Z.	General.....	4,874
Teviotbank.....	12	12	Brit...	Gulf-Australia Line.	Galveston, Tex.	Adelaide, Aust'lia	Sulphur, gen.	5,800
Wind Rush.....	12	12	Amer.	Shepard S. S. Co...	Albany, N. Y....	Tacoma, Wash...	General.....	4,085
Trois Ilets.....	11	12	Fr...	French Line.....	Cristobal, C. Z.	Manta, Ecuador	Ballast.....	.....
Paul Luckenbach.	12	12	Amer.	Luckenbach Line.....	Boston, Mass...	Seattle, Wash...	General.....	3,800
Santa Rita ² ...	12	13	Amer.	Grace Line.....	New York, N. Y.	Chanaral, Chile.	General.....	2,318
Liberty Glo.....	12	13	Amer.	Amer.-For. S. S. Corp.	Sulphurport, La.	S. Francisco, Cal.	Sulphur.....	7,200
Nako Maru ² ...	13	13	Jap...	Nippon Yusen Kaisha	Boston, Mass...	Kobe, Japan.....	Oil, gen.....	5,246
Aurora ^{1 2}	13	13	Amer.	Socony Vac. Oil Co...	Curacao, N. W. I.	Los Angeles, Cal.	Ballast.....	.....
Fairfield City...	13	13	Amer.	Isthmian S. S. Lines.	Baltimore, Md...	Penang, Str. Sett.	General.....	6,146
Forbes Hauptman	13	13	Amer.	McCormick S. S. Co.	Albany, N. Y....	Seattle, Wash...	General.....	4,264
Imperial Monarch	13	13	Brit...	Andrew Weir & Co...	Liverpool, Can.	Bluff, N. Z....	Newsprint...	4,670
Minnesota.....	13	13	Amer.	Amer.-Hawaiian Line.	Boston, Mass...	Seattle, Wash...	General.....	3,198
Nero ²	12	13	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col...	General.....	241
Atekawa Maru ¹²	13	13	Jap...	Kawasaki K. Kaisha.	Nanchital, Mex.	Korea, Japan...	Fuel oil.....	11,080
Emirikaland ² ...	13	14	Swed.	Ore S. S. Corp.....	Baltimore, Md...	Cruz Gr'de, Chile	Ballast.....	.....
Yngaren ²	13	13	Swed.	Transatlantic S.S. Co.	Norfolk, Va....	Vancouver, B. C.	Ballast.....	.....
John Worthing- ton, ¹	13	15	Amer.	Standard Oil of N. J.	Baton Rouge, La.	Talara, Peru...	Gasoline.....	980
Rio Indio ² ...	13	14	Pan...	United Fruit Co....	Bocas, R. P....	Puntarenas, C.R.	Tow. barge..	.....
Barge No. 81068.	13	14	Pan...	United Fruit Co....	Bocas, R. P....	Puntarenas, C.R.	Ballast.....	.....
PacificEnterprise ²	14	14	Brit...	Furness, Withy & Co.	Glasgow-England	Vancouver, B. C.	General.....	779
Canadian Chal- lenger.....	13	14	Brit...	Mont.-Aust.-N.Z.Line	Montreal, Canada	Sydney, Aust'lia	Newsprint...	4,007
Itukusima Ma- ru, ^{1 2}	14	14	Jap...	Nippon S. Kab. Kaisha	Corpus Ch'ti, Tex.	Yokohama, Japan	Crude oil...	11,803
Quito ²	12	14	Ger...	North German Lloyd.	Barranquilla, Col.	Guayaquil, Ecu.	Gen., flour...	678
Gryfevale.....	14	14	Brit...	Chile Nit. Sales Corp.	Malta, Br. Col'y	Chile.....	Ballast.....	.....
Maine.....	13	14	Amer.	Calif.-Eastern Line.	Jacksonville, Fla.	San Diego, Calif.	General.....	4,481
Ino ²	13	14	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General.....	166
Este.....	13	14	Ger...	North German Lloyd.	Hamburg, Ger...	Portland, Oreg...	General.....	6,777
Istmo.....	13	14	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col...	General.....	445
Dallas ⁹	6	...	Amer.	U. S. Navy.....	Cristobal, C. Z.	Balboa, C. Z....	Ballast.....	.....
S-45 ⁷	...	...	Amer.	U. S. Navy.....	Cristobal, C. Z.	Balboa, C. Z....	Ballast.....	.....
Penmar.....	14	15	Amer.	Calmar Line.....	Baltimore, Md...	Seattle, Wash...	Steel, gen.	7,974
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.....	.....
Port Montreal ²	15	15	Brit...	Mont.-Aust.-N.Z.Line	Montreal, Canada	Adelaide, Aust'lia	General.....	5,925
S-42 ⁷	...	...	Amer.	U. S. Navy.....	Cristobal, C. Z.	Balboa, C. Z....	Ballast.....	.....
S-43 ⁷	...	...	Amer.	U. S. Navy.....	Cristobal, C. Z.	Balboa, C. Z....	Ballast.....	.....
Steel Exporter	15	15	Amer.	Isthmian S. S. Lines	New York, N. Y.	Seattle, Wash...	(14) General.....	3,445
Hokkai Maru ²	15	15	Jap...	Osaka Shosen Kaisha.	Boston, Mass...	Dairen, China...	(15) General.....	7,956
McDougal ⁹ ...	15	17	Amer.	U. S. Navy.....	Pensacola, Fla.	Mare Is., Calif.	Ballast.....	.....
Ludington ⁸ ...	13	18	Amer.	U. S. Army.....	Brooklyn, N. Y.	Honolulu, T. H.	General.....	3,537
Perira.....	9	18	Pan...	Grace Line.....	Cristobal, C. Z.	Champ'ico, Guat.	General.....	680
Nalasea Meadow.	16	17	Brit...	E. R. Man' ment Co.	S. Shields, Eng.	Vancouver, B. C.	Ballast.....	.....
Sea Deer ¹³ ...	...	...	Amer.	B. Patchett.....	Cristobal, C. Z.	Gatun, C. Z....	Ballast.....	.....
María Cristina ²	16	16	Pan...	A. Tagaropoulos.	Cristobal, C. Z.	Real, R. P....	General.....	5
Trebartha.....	16	17	Brit...	Hain S. S. Line.....	Cardiff, England	Vancouver, B. C.	Ballast.....	.....
Cromarty ² ...	16	17	Brit...	Canadian Transp. Co.	Tyne, England.	Portland, Oreg...	Ballast.....	.....
Riley ²	16	17	Brit...	Seaboard Ship. Co...	Hull, England.	Vancouver, B. C.	Ballast.....	.....
Alabaman.....	17	17	Amer.	Amer.-Hawaiian Line.	New York, N. Y.	Portland, Oreg...	General.....	2,271
Heffron.....	17	17	Amer.	Pac. Coast Dir. Line.	New York, N. Y.	Seattle, Wash...	(16) General.....	2,499
Wearpool ² ...	16	17	Brit...	Sir R. Ropner & Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.....	.....
Marchen Maersk ²	17	17	Dan...	A. P. Moller.....	Boston, Mass...	Cebu, P. I....	General.....	3,887
Tweedbank ² ...	17	17	Brit...	Bank Line, Ltd.	Boston, Mass...	Shanghai, China.	General.....	6,063
San Gabriel.....	16	17	Amer.	Pac.-Atlantic S.S. Co.	New York, N. Y.	Tacoma, Wash...	General.....	2,819
Thorstrand ² ...	17	17	Nor...	Fred Olsen Line...	London, England	S. Francisco, Cal.	Ballast.....	.....

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁷ Submarine. ⁸ Transport. ⁹ Destroyer. ¹³ Sailboat.¹⁴ Steel, paper, general. ¹⁵ Machines, steel, etc. ¹⁶ Steel, lubricating oil, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
King John ²	17	17	Brit..	Dodd, Thomson & Co.	Hull, England..	Vancouver, B. C.	Ballast.....	
Isthmian.....	17	17	Amer..	Amer.-Hawaiian Line.	Baltimore, Md...	Seattle, Wash...	Gen., steel.....	3, 891
La Union ²	16	18	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z...	Balboa, C. Z...	Ballast.....	
Sona ²	16		Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z...	Balboa, C. Z...	Ballast.....	
Tuira ²	16		Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z...	Balboa, C. Z...	Ballast.....	
Sambu ²	16	17	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z...	Pedregal, R. P.	General.....	12
Pirate ³	17		Pan...	E. J. Hooper	Colon, R. P.	Gatun, C. Z. ¹³	General.....	20
Point Palmas.....	17	18	Amer..	Gulf-Pacific Line.	Houston, Tex.	Seattle, Wash...	General.....	6, 540
Ferncliff ²	18	18	Nor...	Chile Nit. Sales Corp.	Savannah, Ga...	Antofagasta, Chile	Ballast.....	
Richmond ¹²	18	18	Amer..	U. S. Navy	Norfolk, Va.	San Diego, Calif.	Ballast.....	
Rhakotis ²	18	18	Ger...	Hamburg-Amer. Line.	Hamburg, Ger...	Valparaiso, Chile.	General.....	4, 130
Lt. Col. H. C. Schurman. ⁴	16		Amer..	U. S. Army	Cristobal, C. Z...	Balboa, C. Z...	Tow. barge.....	
Santa Lucia.....	18	19	Amer..	Grace Line	New York, N. Y.	San Antonio, Chile	General.....	2, 416
City of San Francisco.	18	20	Amer..	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.....	1, 749
Tambua.....	18	19	Brit..	Colonial Sug. Ref. Co.	Dundee, England.	Australia.....	(¹⁴)	4, 795
Asakansa Maru ²	19	19	Jap...	Mitsui & Co.	New York, N. Y.	Yokohama, Japan	Gasoline, tin.....	5, 672
Berganger ²	19	19	Nor...	Interocean Line.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast.....	
Edward Luckenbach.	19	19	Amer..	Luckenbach Line	New York, N. Y.	Tacoma, Wash...	General.....	3, 787
Marna.....	19	19	Dan...	West Coast Line	New York, N. Y.	Talcahuano, Chile	General.....	1, 115
Pan Gothia ^{1 2}	19	19	Swed.	Standard Oil of N. J.	Amsterdam, Neth.	Talara, Peru	General.....	
Baarn.....	18	19	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger...	Corral, Chile	General.....	1, 103
Nathan ²	19		Pan...	E. J. Hooper	Colon, R. P.	Gatun, C. Z. ¹³	General.....	20
Tamara.....	20	21	Brit..	Shaw, Savill & Albion.	London, England	Wellington, N. Z.	General.....	4, 490
Clio ²	18	20	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z...	Guayaquil, Ecua.	General.....	126
Amagisan Maru ²	19	20	Jap...	Mitsui Bussan Kaisha	New York, N. Y.	Moji, Japan.	Cotton, rosin.....	8, 307
Cathwood ¹	20	20	Amer..	Union Oil of Calif.	Baltimore, Md...	Los Angeles, Cal.	Ballast.....	
Montanan.....	20	20	Amer..	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash...	General.....	3, 197
Chilean Reefer ²	19		Dan...	J. Lauritzen	Cardiff, England.	Los Angeles, Cal.	General.....	
Devon.....	20	20	Brit..	Fed. Steam Nav. Co.	New York, N. Y.	Adelaide, Aust. Ia	General.....	3, 334
Agios Georgios IV	20	20	Greek	Geo. Nicolaou	Amsterdam, Neth.	Los Angeles, Cal.	Ballast.....	
Steelers.....	20	20	Amer..	Ore S. S. Corp.	Baltimore, Md...	Cruz Grde, Chile	Ballast.....	
Nela.....	19	20	Brit..	Royal Mail Line, Ltd.	Barry, England..	Vancouver, B. C.	General.....	2, 276
Montgomery City	20	21	Amer..	Isthmian S. S. Lines.	Baltimore, Md...	Tacoma, Wash...	General.....	2, 772
Nero ²	18	21	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z...	B'ventura, Col.	Ballast.....	
Lena Luckenbach.	21	21	Amer..	Luckenbach Line	Houston, Tex.	Seattle, Wash...	General.....	5, 095
Istmo.....	19	21	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z...	B'ventura, Col.	General.....	240
Belita ^{1 2}	21	21	Nor...	Lobitos Oilfields.	Rotterdam, Neth.	Cabo Bl'co, Peru.	Ballast.....	
Thurland Castle ²	21	21	Brit..	Barber Line.	New York, N. Y.	Hongkong, China.	(¹⁵)	5, 139
Rothley ²	22	22	Brit..	Mont.-Aust.-N.Z. Line	Three Riv., Can.	Melbourne, Aust.	Newsprint.....	5, 527
Baron Newlands.....	22	22	Brit..	Hogarth Ship. Co.	Boston, Mass.	Paita, Peru	Ballast.....	
Samuel Bakke ²	21	23	Nor...	Knut Knutsen, O.A.S.	Goth burg, Swed.	Talcahuano, Chile	General.....	2, 272
Moldanger ²	22	28	Nor...	Interocean S. S. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.....	
Trois Ilets.....	21	22	Fr...	French Line	Cristobal, C. Z...	B'ventura, Col.	General.....	12
Aequator No. 1 ⁵	13	13	Ger...	Experi'm'tal Shark Co.	Cristobal, C. Z...	Balboa, C. Z...	Ballast.....	
Acajutla.....	16	23	Brit..	Pacific Steam Nav. Co.	Cristobal, C. Z...	Champ'co, Guat.	General.....	576
Cerigo.....	20	23	Ger...	Hamburg-Amer. Line.	Barranquilla, Col	Guayaquil, Ecua.	Steel, gen.....	148
Tacoma.....	22	23	Ger...	Hamburg-Amer. Line.	Hamburg, Ger...	Vancouver, B. C.	(¹⁶)	4, 677
Horace Luckenbach.	23	23	Amer..	Luckenbach Line	New Orleans, La.	Seattle, Wash...	General.....	4, 568
Salacia ²	23	23	Brit..	Donaldson Line	Glasgow-England	Vancouver, B. C.	General.....	561
Vermont.....	23	23	Amer..	Cal.-Eastern Line	New York, N. Y.	Tacoma, Wash...	General.....	4, 271
Maria Cristina ³	23	23	Pan...	A. Tagaropoulos	Colon, R. P.	Real, R. P.	General.....	3
Nuevo Panama ²	23	24	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z...	Dairen, R. P.	Ballast.....	
Maravi.....	23	24	Pan...	United Fruit Co.	Boston, Mass.	Puntarenas, C.R.	(¹⁷)	2, 986
Terukawa Maru ²	24	24	Jap...	Kawasaki K. Kaisha.	New York, N. Y.	Yokohama, Japan	Cotton, gen.....	7, 711
Statira ²	23	24	Brit..	Seaboard Ship. Co.	New York, N. Y.	Vancouver, B. C.	Ballast.....	
Carolinian.....	24	24	Amer..	Amer.-Hawaiian Line.	Bridgeport, Conn.	Portland, Oreg.	General.....	3, 492
Tsuyama Maru.....	24	24	Jap...	Nippon Yusen Kaisha	Philadelphia, Pa.	Kobe, Japan	Gen., gasoline.....	7, 772
Pan Florida ¹	23	24	Amer..	Pan-Am. P. & Tr. Co.	Baltimore, Md...	Pt. S. Luis, Calif.	Ballast.....	
Pirate ³	24		Pan...	E. J. Hooper	Colon, R. P.	Gatun, C. Z. ¹³	General.....	20
Sambu ²	23	24	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z...	Pedregal, R. P.	General.....	25
Nathan ²	24		Pan...	E. J. Hooper	Colon, R. P.	Gatun, C. Z. ¹³	General.....	20
Col. Riche ⁵			Amer..	U. S. Army	Cristobal, C. Z...	Gatun, C. Z...	Ballast.....	
Raleigh ¹²	24	27	Amer..	U. S. Navy	Norfolk, Va.	San Diego, Calif.	Ballast.....	
Bagley ⁹	24	27	Amer..	U. S. Navy	Norfolk, Va.	San Diego, Calif.	Ballast.....	
Craven ⁹	24	27	Amer..	U. S. Navy	Norfolk, Va.	San Diego, Calif.	Ballast.....	
D. G. Scofield ¹	23	25	Amer..	Seoony Vac. Oil Co.	Beaumont, Tex.	San Francisco, Cal.	Ballast.....	
Navarino.....	24	25	Brit..	Canadian Transp. Co.	Cardiff, England.	Portland, Oreg.	Ballast.....	
Port Jackson ²	25	25	Brit..	Port Line, Ltd.	London, England	Bluff, N. Z.	General.....	5, 403
Cressington Court ²	25	25	Amer..	Canadian Transp. Co.	Liverpool, Eng.	Brit. Columbia	Ballast.....	
Constance Chandler.	25	25	Amer..	Matson Nav. Co.	Philadelphia, Pa.	Kahului, T. H.	General.....	928
Harmatris.....	25	26	Brit..	J. & C. Harrison.	Tyne, England..	Vancouver, B. C.	Ballast.....	
Fortuna ³	24	25	Pan...	A. Ferrari.	Pto. Cabezas, Nic.	Panama R. P.	Lumber.....	75

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ⁹ Destroyer. ¹² Cruiser. ¹³ For bananas and tanker to Cristobal, C. Z. ¹⁴ Sulphate of ammonia and general. ¹⁵ Scrap iron, general. ¹⁶ Coffee, cement, general. ¹⁷ Railroad material.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Santa Barbara ²	25	26	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,034
Grover J. ¹³	25	26	Amer.	G. C. Gravatt	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
City of Norfolk	25	27	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	2,047
Lagarto ²	25	26	Brit.	Pacific Steam Nav. Co.	Hull, England	Coronel, Chile	General	3,203
Baldbutte ¹	26	26	Amer.	Shell Oil Co.	Sewaren, N. J.	Los Angeles, Cal.	Ballast	
Lancaster	26	26	Amer.	Weyerhaeuser S.S. Co.	New York, N. Y.	Tacoma, Wash.	General	2,503
Toyohashi Maru	26	26	Jap.	Nippon Yusen Kaisha	Hamburg, Ger.	Yokohama, Japan	Gasoline	4,379
Baron Dunmore	26	26	Brit.	Hogarth Ship. Co.	Newp't News, Va.	Callao, Peru	Ballast	
Thrush ¹⁰	26	26	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Theofano Livanos	26	26	Greek	Anglo-Chilean Co.	Rouen, France	Chile	Ballast	
Texmar	26	26	Amer.	Calmar Line	Baltimore, Md.	Tacoma, Wash.	Ballast	
San Diego	25	27	Fr.	French Line	Havre, France	Vancouver, B. C.	General	3,953
Dusseldorf ²	25	27	Ger.	North German Lloyd	Hamburg, Ger.	Corral, Chile	General	4,260
Lt. Col. H. C. Schumm ⁴	24		Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow barge	
Chaumont ⁸	26	29	Amer.	U. S. Navy	Norfolk, Va.	S. Francisco, Cal.	General	289
Houston ¹²	27	28	Amer.	U. S. Navy	E. coast, U. S. A.	San Diego, Calif.	Ballast	
Blue ⁹	27	28	Amer.	U. S. Navy	E. coast, U. S. A.	San Diego, Calif.	Ballast	
Nero ²	25	27	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	108
Julia Luckenbach	26	27	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,468
Massmar	26	27	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,558
American Oriole	27	27	Amer.	McCormick S. S. Co.	Norfolk, Va.	Tacoma, Wash.	General	8,008
Ino ²	26	27	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	234
Royal Star	27	27	Brit.	Blue Star Line	London, England	Vancouver, B. C.	Ballast	
Texan	27	27	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Tacoma, Wash.	General	3,250
Durazzo	26	27	Ger.	Hamburg-Amer. Line	Barranquilla, Col.	Guayaquil, Ecu.	Gen., coffee	425
Istmo	26	27	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	550
Steel Worker	27	28	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Seattle, Wash.	General	2,719
Villanger ²	27	28	Nor.	Interocean S. S. Corp.	London, England	Vancouver, B. C.	Ballast	
Ensley City	28	28	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Hilo, T. H.	General	771
Nestos	28	28	Greek	S. Livanos & Co.	Cardiff, England	Antofagasta, Chile	Coal	7,338
Pacific Pioneer ²	28	28	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General	137
Trois Ilets	27	28	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	19
Kyusyu Maru ²	29	29	Jap.	Osaka Shosen Kaisha	Boston, Mass.	Kobe, Japan	(¹⁵)	7,722
Oregon Express ²	29	29	Nor.	Fruit Express Line	London, England	Los Angeles, Cal.	Ballast	
Middlesex	29	29	Brit.	Fed. Steam Nav. Co.	Newport, Eng.	Dunedin, N. Z.	General	6,900
Kongo Maru ²	29	29	Jap.	Kokusai Kisen Kaisha	New York, N. Y.	Kobe, Japan	Rosin, oil	8,278
City of Athens	28	29	Brit.	Amer.-Far East Line	Baltimore, Md.	Hongkong, China	General	3,599
Hoyanger ²	29	29	Nor.	Westfal, Larsen & Co.	Buenos Aires, Arg.	Vancouver, B. C.	General	3,091
Canada ²	29	30	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General	434
Lochavon ²	29	30	Brit.	Royal Mail Line, Ltd.	Rotterdam, Neth.	Portland, Oreg.	General	2,048
Jutland	29	30	Brit.	Seaboard Ship. Co.	Liverpool, Eng.	Vancouver, B. C.	Ballast	
Malaya ²	29	30	Dan.	East Asiatic Co.	St. Nazaire, Fr.	Los Angeles, Cal.	Ballast	
Columbian	30	30	Amer.	Amer.-Hawaiian Line	Jacksonville, Fla.	Seattle, Wash.	General	4,073
Kishacoquillas ¹	30	30	Amer.	Com. Molasses Co.	Boston, Mass.	Honolulu, T. H.	Ballast	
Bonnington Court ²	30	30	Brit.	Canadian Transp. Co.	Montreal, Canada	Vancouver, B. C.	General	4,350
Naruto Maru ²	30	30	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Kobe, Japan	General	6,969
Portland ²	29	30	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Vancouver, B. C.	General	3,735
Smaragd	25	30	Nor.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	849
Ville de Verdun	30	30	Fr.	Messageries Marit'ies	Marseille, France	Noumea, N. Cal.	General	2,071
Maria Cristina	30	30	Pan.	A. Tagaropoulos	Colon, R. P.	Real, R. P.	General	3
San Ambrosio ^{1 2}	30	31	Brit.	Eagle Oil & Ship. Co.	Ellesmere, Eng.	Los Angeles, Cal.	Ballast	
El Mirlo ²	30	31	Brit.	C. T. Bowring & Co.	Birkenhead, Eng.	Lobitos, Peru	Ballast	
Belcor ²	30	31	Nor.	Belships Co.	Philadelphia, Pa.	Valparaiso, Chile	General	954
Orotava	31	31	Hond.	United Fruit Co.	Galveston, Tex.	Pto. Arm'les, R. P.	Ballast	
Martin Bakke ²	31	31	Nor.	K. Knutsen, O. A. S.	Hangesund, Nor.	Los Angeles, Cal.	Ballast	
Georgian	31	31	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,900
Anubis ²	30	31	Ger.	Hamburg-Amer. Line	New Orleans, La.	Cebu, P. I.	(¹⁶)	6,585
Hermionthis ²	31	31	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Corral, Chile	General	4,173
Nuevo Panama ²	30	31	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Panama, R. P.	Ballast	
Malantic	31	31	Amer.	C. D. Mallory Corp.	Savannah, Ga.	Los Angeles, Cal.	Ballast	
La Union ²	30	31	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real ²	30	31	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General	29
Nathan ²	30	31	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹⁷		20
Barge No. 5441	30	31	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹⁷		20
Pirate ²	31	31	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹⁷		20
Harbledown	31	1	Brit.	Seaboard Ship. Co.	Liverpool, Eng.	Vancouver, B. C.	Ballast	
Point Caleta	1	1	Amer.	Gulf-Pacific Line	Tampa, Fla.	Seattle, Wash.	General	6,000
Ruperra	31	1	Ital.	Anglo-Can. Ship. Co.	Cardiff, England	Vancouver, B. C.	Ballast	
Tampico ¹	1	2	Ital.	Gibson & Co.	London, England	Quendall, Wash.	Crescote	5,965
Gypsum Prince	1	1	Brit.	Gypsum Packet Co.	Philadelphia, Pa.	Chincha Is., Peru	Ballast	
Aequator ¹⁴	13	3	Ger.	Exp. Shark & Sea Fish.	High seas	Pacific ocean	Ballast	
Nidardal	1	1	Nor.	S. S. Owners Oper. Co.	Manauca, Col.	Tumaco, Col.	Salt	2,813
City of Baltimore	2	3	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	2,987
Silverash ²	1	2	Brit.	Silver Line	Boston, Mass.	Hongkong, China	General	2,888
Chateau Thierry ⁸	1		Amer.	U. S. Army	New York, N. Y.	Balboa, C. Z.	General	916
Harry Luckenbach	2	2	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	6,345

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug.
¹³ Sailboat. ¹⁴ Fishing boat. ¹⁵ General, scrap iron.

⁸ Transport. ⁹ Destroyer. ¹⁰ Minesweeper. ¹² Cruiser.
¹⁶ General, oil, cotton. ¹⁷ For bananas and return to

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Bethore.....	2	2	Amer.	Ore S. S. Corp.....	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.....	
Port Caroline.....	2	2	Brit.	Port Line.....	Philadelphia, Pa.	Adelaide, Aust'lia	General.....	5,065
San Rafael.....	1	2	Amer.	Quaker Line.....	New York, N. Y.	Tacoma, Wash.	General.....	4,258
Santa Inez ²	2	3	Amer.	Grace Line.....	New York, N. Y.	Chanaral, Chile.	General.....	1,366
Bachaquero ¹	2		Brit.	West India Oil Co.	Aruba, N. W. I.	Balboa, C. Z.....	Fuel oil.....	6,258
Goon ⁵			Amer.	Post Ex., France Field	Cristobal, C. Z.	Balboa, C. Z.....	Ballast.....	
Lt. Col. H. C. Schumm. ⁴	31		Amer.	U. S. Army.....	Cristobal, C. Z.	Balboa, C. Z.....	Tow, barge.....	
San Jose.....	2	3	Fr.	French Line.....	Havre, France.	Vancouver, B. C.	General.....	4,979
Istmo.....	1	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.....	725
Frida.....	2	3	Dan.	West Coast Line.....	New York, N. Y.	Taleahuano, Chile	General.....	1,736
Temple Yard.....	2	3	Brit.	Seaboard Shipping Co.	Barry, England.	Vancouver, B. C.	Ballast.....	
Svealand ²	2	3	Swed.	Ore S. S. Corp.....	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.....	
Nebraskan.....	3	3	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General.....	3,683
Wiehita ²	3	3	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Shanghai, China.	General.....	3,822
William Strabean. ^{1 2}	3	3	Nor.	Standard Oil of N. J.	Aruba, N. W. I.	San Antonio, Chile	Fuel oil.....	9,219
Quito ²	26	3	Ger.	North German Lloyd.	Cristobal, C. Z.	Guayaquil, Ecua.	General.....	226
Nero ²	2	3	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.....	127
Alkmaar.....	3	3	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile.	General.....	779
Anniston City.....	3	4	Amer.	Isthmian S. S. Lines.	Portland, Me.	Seattle, Wash.	Steel, gen.	2,785
Toulouse ²	3	4	Nor.	Maersk Line.....	Baltimore, Md.	Manila, P. I.	General.....	4,407
Foulcon.....	3	4	Amer.	Grace Line.....	Baltimore, Md.	Valparaiso, Chile.	General.....	2,723
Clio ²	2	4	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.....	188
Yorkmar.....	4	4	Amer.	Calmar Line.....	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,334
Masunda.....	4	4	Brit.	Canadian Transp. Co.	Barry, England.	Vancouver, B. C.	Ballast.....	
Hanley.....	4	4	Amer.	Weyerhaeuser S.S. Co.	Norfolk, Va.	Los Angeles, Cal.	General.....	2,806
Firmore.....	4	4	Amer.	Ore S. S. Corp.....	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.....	
Gemstone.....	4	4	Brit.	Anglo-Can. S. S. Co.	Cardiff, England	Vancouver, B. C.	Ballast.....	
Margaret Johnson. ²	4	4	Swed.	Johnson Line.....	Malmö, Swed.	Vancouver, B. C.	Cement, gen.	4,271
Wyrn ⁵			Amer.	V. W. Wirtz.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
Herman Frasch.....	5	5	Amer.	Union Sulphur Co.	Pt. Sulphur, La.	Everett, Wash.	Sulphur.....	6,155
Absaroka.....	5	5	Amer.	McCormick S. S. Co.	New York, N. Y.	Tacoma, Wash.	Steel, gen.	7,730
Helene Kulukundis.	4	5	Greek.	Anglo-Can. S. S. Co.	Rio de Janeiro, Brazil.	Vancouver, B. C.	Ballast.....	
Al Aleto ^{1 2}	6	6	Brit.	C. T. Bowring & Co.	Elmsmere, Eng.	La Libertad, Ecua.	Ballast.....	
Adrastus.....	6	6	Brit.	Alfred Holt & Co.	Philadelphia, Pa.	Manila, P. I.	General.....	3,516
Rio de Janeiro Maru. ⁵	6	7	Jap.	Osaka Shosen Kaisha.	Buenos Aires, Argentina.	Kobe, Japan.	Gen., cotton.	3,138
Jacob Luckenbach	6	6	Amer.	Luckenbach Line.....	Houston, Tex.	Tacoma, Wash.	General.....	5,192
Naumburg.....	6	6	Ger.	Hamburg-Amer. Line.	Galveston, Tex.	Auckland, N. Z.	Gen., oil.....	7,247
Leipzig ²	6	6	Ger.	North German Lloyd.	Hamburg, Ger.	Corral, Chile.	General.....	3,805
Glorian ⁵			Amer.	W. B. Boggs.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
Orazio ²	6	7	Ital.	Societa Italia.....	Genoa, Italy.	Valparaiso, Chile.	General.....	627
Elstree Grange.....	6	7	Brit.	Houlder Line, Ltd.	Liverpool, Eng.	Portland, Oreg.	Ballast.....	
Moana ⁶	8	28	8	William Leeds.....	Habana, Cuba.	South Sea Is.	Ballast.....	
Telde.....	7	7	Hond.	United Fruit Co.	Mobile, Ala.	Pto. Arm'les, R.P.	Ballast.....	
Remuera.....	7	7	Brit.	N. Z. Shipping Co.	London, England	Wellington, N. Z.	General.....	4,710
Elisabeth Kellogg ¹	7	7	Amer.	Kellogg S. S. Co.	New York, N. Y.	Los Angeles, Cal.	Ballast.....	
Salvador.....	30	7	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champico, Guat.	General.....	806
Sinington Court.	7	7	Brit.	Canadian Transp. Co.	Boea Gr'de, Fla.	N. West'm'r, B.C.	Phosphates.	1,000
Lancaster Castle.	7	7	Brit.	Chile Nit. Sales Corp.	Rotterdam, Neth.	Toepilla, Chile.	Ballast.....	
Athelduchess ^{1 2}	7	7	Brit.	Asano Bussan Co.	Birk'head, Eng.	Estero Bay, Cal.	Ballast.....	
Nuevo Panama ²	6	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General.....	100
Floridian.....	7	7	Amer.	Amer.-Hawaiian Line.	Bridgeport, Conn.	Portland, Oreg.	General.....	2,812
Trois Ilets.....	5	8	Fr.	French Line.....	Cristobal, C. Z.	B'ventura, Col.	General.....	94
Sambu ²	6	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General.....	7
Pirate ³	7	7	Pan.	E. J. Hooper.....	Cristobal, C. Z.	Gatun, C. Z. ¹³	General.....	20
Nathan ²	6	6	Pan.	E. J. Hooper.....	Cristobal, C. Z.	Gatun, C. Z.	General.....	20
Lochkatrine ²	7	8	Brit.	Royal Mail Lines, Ltd.	Rotterdam, Neth.	Vancouver, B. C.	General.....	861
Axel Johnson ²	7	8	Swed.	Johnson Line.....	Norr'ing, Swed.	Vancouver, B. C.	Paper, coffee.	3,152
Temple Moat.....	7	8	Brit.	Port Line, Ltd.	New York, N. Y.	Dunedin, N. Z.	General.....	2,825
Reginofite ^{1 2}	7	8	Brit.	Standard Oil of N. J.	Aruba, N. W. I.	Toepilla, Chile.	Fuel oil.....	12,000
Republie ⁸	7	9	Amer.	U. S. Army.....	New York, N. Y.	Honolulu, T. H.	General.....	1,649
Harpoon.....	8	8	Amer.	Shepard S. S. Co.	Albany, N. Y.	Tacoma, Wash.	General.....	5,810
Maria de Larrinaga.	8	8	Brit.	Miguel de Larrinaga S. S. Co.	Buenos Aires, Argentina.	Brit. Columbia.	Ballast.....	
Sandhamn ²	8	8	Swed.	Seaboard Ship. Co.	Landsk'na, Swed.	Brit. Columbia.	Ballast.....	
Skrarnstad ²	8	8	Nor.	Fern Line.....	Galveston, Tex.	Yokohama, Japan	General.....	7,003
Asbjorn ²	8	8	Dan.	Holm & Wonsild.	Norfolk, Va.	Los Angeles, Cal.	Ballast.....	
J-26 ⁵			Amer.	U. S. Army.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
J-68 ⁵			Amer.	U. S. Army.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
City of Newport News.	8	10	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.....	1,966
Santa Clara.....	8	9	Amer.	Grace Line.....	New York, N. Y.	San Antonio, Chile	General.....	2,827
Dallas City ²	7	9	Brit.	Reardon-Smith Line.	Mobile, Ala.	Osaka, Japan.	Pig iron.....	8,954
Gregalia.....	8	9	Brit.	Donaldson Line.....	Glasgow, Scotland	Vancouver, B. C.	General.....	957

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ⁶ Yacht. ⁸ Transport. ¹³ 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
Vito ²	8	9	Nor...	Kawasaki K. Kaisha.	Habana, Cuba...	Misumi, Japan...	Cotton, gen.	7,166
Kimikawa Maru ²	9	9	Jap...	Kawasaki K. Kaisha.	New York, N. Y.	Tokuyama, Japan	(14)	8,495
Aobasan Maru ² ...	9	9	Jap...	Mitsui Bussan Kaisha	Philadelphia, Pa.	Yokohama, Japan	(15)	7,566
City of Canberra	9	10	Brit...	Amer.-Australian Line	New York, N. Y.	Fremantle, Aust.	Gen., petrol.	4,333
Susan V. Luckenbach.	9	9	Amer..	Luckenbach Line...	Boston, Mass....	Seattle, Wash...	General....	3,492
Pennsylvania Sun. ^{1 2}	9	9	Amer..	Sun Oil Co.....	Chester, Pa.....	El Segundo, Calif.	Ballast.....	
West Notus.....	9	10	Amer..	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash...	Steel, gen....	2,645
Rose ²	9	9	Nor...	Anders Johre Rederi.	Flushing, Neth...	Vancouver, B. C.	Ballast.....	
Davila ^{1 2}	9	9	Brit...	Anglo-Saxon Pet. Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast.....	
Porto Bello ²	9	9	Pan...	A. Tagaropulos	Colon, R. P.....	Real, R. P.....	General.....	3
Marken ²	9	10	Neth...	Rotterdam Lloyd.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.....	
Ino ²	8	10	Neth...	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.....	76
Cleodora ^{1 2}	9	10	Neth...	Petroleum Co., Ltd.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast.....	
Nero ²	8	10	Neth...	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col...	General.....	113
San Cipriano ^{1 2}	10	10	Brit...	Eagle Oil & Ship. Co.	Curacao, N. W. I.	Valparaiso, Chile.	(16)	11,735
Arthur F. Corwin. ^{1 2}	9	10	Brit...	Stand. Vac., Hongkong	Hamburg, Ger...	S. Francisco, Cal.	Ballast.....	
Arkansao.....	10	10	Amer..	Amer.-Hawaiian Line.	Boston, Mass....	Seattle, Wash...	General.....	3,981
Tuscaloosa City...	10	10	Amer..	Isthmian S. S. Lines.	Baltimore, Md...	Seattle, Wash...	General.....	3,267
O. A. Knudsen ² ...	10	10	Nor...	Anglo-Saxon Pet. Co.	Haugesund, Nor.	S. Francisco, Cal.	Ballast.....	
Istmo.....	9	10	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col...	General.....	740
Lt. Col. H. C. Schumm. ⁴	8	...	Amer..	U. S. Army.....	Cristobal, C. Z.	Balboa, C. Z...	Tow barge...	

PACIFIC TO ATLANTIC

Amasis.....	10	12	Ger...	Hamburg-Amer. Line.	Corral, Chile...	Hamburg, Ger...	General.....	7,588
Brimanger ²	11	11	Nor...	Interocean S. S. Corp.	Tacoma, Wash...	Rotterdam, Neth.	(17)	6,931
Bradgen.....	11	11	Brit...	East Asiatic Co....	Rashin, Korea...	Copenhagen, Den.	Soy beans...	8,153
Trois flets.....	11	12	Fr...	French Line.....	B'ventura, Col...	Cristobal, C. Z.	Coffee.....	264
Mobile City.....	11	11	Amer..	Isthmian S. S. Lines.	Hilo, T. H.....	Baltimore, Md...	Sugar, gen...	8,318
Tatsuno Maru...	11	11	Jap...	Nippon Yusen Kaisha	Manila, P. I....	New Orleans, La.	Sugar, gen...	3,973
Cities Service Boston. ¹	11	11	Amer..	Cities Service Oil Co.	Pt. S. Luis, Calif.	New York, N. Y.	Crude oil...	13,910
Dorothy Luckenbach.	11	11	Amer..	Luckenbach Line...	Seattle, Wash...	Boston, Mass....	Lumber, gen.	8,602
Republic ⁸	9	12	Amer..	U. S. Army.....	Honolulu, T. H.	New York, N. Y.	Army stores.	680
Nero ²	11	13	Neth...	Royal Neth. S. S. Co.	Tumaco, Colomb.	Cristobal, C. Z.	Coffee.....	564
Cerigo.....	12	14	Ger...	Hamburg-Amer. Line.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen...	1,134
Ville D'Amiens...	12	13	Fr...	Messageries Marit'es.	Noumea, N. Caled.	Marseille, France	General.....	5,573
Rialto ²	11	13	Ital...	Italia.....	Vancouver, B. C.	Trieste, Italy...	General.....	7,284
Hallaren ²	12	12	Swed...	Polaris S. S. Co....	Los Angeles, Cal.	St. John, N. B...	Potash.....	4,880
Cedarbank ²	11	12	Brit...	Bank Line.....	Sydney, Australia	United Kingdom.	(18)	8,300
Welsh City.....	11	12	Brit...	East Asiatic Co....	Rashin, Korea...	Aarhus, Den. ¹³	Soy beans...	8,824
Frida.....	12	12	Dan...	West Coast Line...	Pimentel, Peru.	New York, N. Y.	(19)	2,637
Barbara ⁵	12	...	Amer..	L. L. Largent.....	Miraflores, C. Z.	Gatun, C. Z....	Ballast.....	
Benjamin Franklin. ²	12	13	Nor...	Fred Olsen Line...	Vancouver, B. C.	Oslo, Norway...	General.....	7,834
Istmo.....	12	14	Pan...	Elliot Ship. & Land Co.	B'ventura, Col...	Cristobal, C. Z.	Coffee.....	732
Ino ²	13	14	Neth...	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen...	257
Aobasan Maru ² ...	12	13	Jap...	Mitsui Bussan Kaisha	Iloilo, P. I....	New York, N. Y.	Silk, gen...	7,952
Franz Klases ^{1 2} ...	13	13	Pan...	W. Tankership Rhed'.	Talara, Peru...	Rotterdam, Neth.	(20)	16,575
Maria Cristina ² ...	13	13	Pan...	A. Tagaropulos	Colon, R. P.....	Colon, R. P.....	(21)	7
H. M. Storey ¹ ...	13	14	Amer..	Standard Oil of Calif.	Estero Bay, Cal.	Havre, France...	Crude oil...	13,741
Sidney M. Hauptman.	14	14	Amer..	McCormick S. S. Co.	Los Angeles, Cal.	Norfolk, Va....	Lumber, gen.	8,578
Point Lobos.....	14	14	Amer..	Swayne & Hoyt....	Portland, Oreg...	Tampa, Fla....	Lumber, gen.	6,279
San Simon.....	14	14	Amer..	Quaker Line.....	Portland, Oreg...	Philadelphia, Pa.	Lumber, gen.	7,544
Havelland ²	14	15	Ger...	Hamburg-Amer. Line.	Cebu, P. I.....	New Orleans, La.	General.....	7,068
Onasabek.....	14	14	Brit...	E. T. Radcliffe & Co.	Suva, Fiji Is...	Lands End, Eng. ¹³	Sugar.....	8,470
Ansnabruk ²	14	15	Ger...	North German Lloyd.	Corral, Chile...	Hamburg, Ger...	General.....	5,706
Nevadan.....	15	15	Amer..	Amer.-Hawaiian Line.	Seattle, Wash...	Boston, Mass....	General.....	5,749
Laila.....	15	15	Dan...	Wessel, Duval & Co.	Antofagasta, Chile	New York, N. Y.	(22)	2,682
Santa Inez ²	15	15	Amer..	Grace Line.....	Chanaral, Chile.	New York, N. Y.	General.....	3,836
Tomislav.....	15	15	J-Slav	Chile Nit. Sales Corp.	Iquique, Chile...	Azores, ¹³	Nit. of soda	8,000
Borgestad ²	15	15	Nor...	Canadian Transp. Co.	Vancouver, B. C.	Great Yarmouth.	Lumber, gen.	5,745
Orion ^{1 2}	14	15	Brit...	Shell Oil Co.....	Los Angeles, Cal.	Curacao, N. W. I.	Diesel oil...	12,110
Lautaro ²	15	16	Brit...	Pacific Steam Nav. Co.	Tocopilla, Chile.	Liverpool, Eng.	Copper, gen.	5,903
British Columbia Express. ²	15	15	Nor...	Fruit Express Line...	Los Angeles, Cal.	London, England	Fresh fruit...	2,310
Trondanger ²	15	16	Nor...	Interocean S. S. Co.	Portland, Oreg...	Rotterdam, Neth.	Grain, gen...	7,381
Lt. Col. H. C. Schumm. ⁴	16	18	Amer..	U. S. Army.....	Balboa, C. Z...	Cristobal, C. Z.	Tow barge...	
Acajutla.....	16	23	Brit...	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	General.....	483

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ⁸ Transport. ¹³ For orders. ¹⁴ Cotton, pig iron. ¹⁵ Steel, gasoline, etc. ¹⁶ Gasoline and kerosene. ¹⁷ Wheat, lumber, general. ¹⁸ Copra, zinc ore. ¹⁹ Copper, silver, and gold ores. ²⁰ Gasoline, kerosene, fuel oil. ²¹ Plantains, lumber. ²² Sugar, ore, lentils.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Derrymore	16	17	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	Hull, England	Grain, lumber	8,648
Tuira	16	17	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	58
Sona	16	17	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
La Union	16	17	Pan.	A. A. Valdes	Bayano, R. P.	Cristobal, C. Z.	Bananas	20
Sambu	16	17	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	55
Valparaiso	16	17	Swed.	Johnson Line	Valparaiso, Chile	Halmstead, Swed	(15)	6,321
Rangitiki	16	17	Brit.	N. Z. Shipping Co.	Auckland, N. Z.	London, England	Frozen, gen.	5,021
Port Halifax	16	18	Brit.	Mont.-Aust.-N.Z. Line	Auckland, N. Z.	Montreal, Canada	Wool, gen.	2,196
Kentuckian	16	17	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Baltimore, Md.	General	6,385
Hoegh Carrier	17	17	Nor.	Leif Hoegh	Suva, Fiji Is.	United Kingdom	Sugar	8,096
Hamakua	17	17	Amer.	Matson Nav. Co.	Honolulu, T. H.	Baltimore, Md.	(16)	7,698
Arizonan	17	17	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	Lumber, gen.	7,550
Hagen	17	18	Ger.	Hamburg-Amer. Line	Valparaiso, Chile	Hamburg, Ger.	General	8,285
Actor	18	18	Pan.	Neptune Ship. Co.	Yokohama, Japan	Tampico, Mexico	Ballast	
Pacific Shipper	18	18	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General	7,814
Firmore	18	18	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,850
Nero	18	21	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	218
J. L. Luckenbach	18	18	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,093
Svealand	18	18	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,300
Durazzo	18	21	Ger.	Hamburg-Amer. Line	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	1,063
Clio	18	20	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(17)	162
Glorian	18		Amer.	W. B. Boggs	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Pennsylvania	19	19	Amer.	Weyerhaeuser S. S. Co.	Warrenton, Oreg.	Newark, N. J.	Lumb., paper	6,996
Mallard	19		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Cacique	19	19	Amer.	Grace Line	Valparaiso, Chile	Baltimore, Md.	(18)	3,698
Vernar	19	19	Amer.	Calmar S. S. Corp.	Astoria, Oreg.	Philadelpia, Pa.	Lumber	6,970
Uffington Court	19	19	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	Montreal, Canada	Lumber, gen.	6,900
Istmo	19	21	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	730
Asuku Maru	19	20	Jap.	Nippon Yusen Kaisha	Yokohama, Japan	Boston, Mass.	Sugar, gen.	9,339
Slema City	20	20	Amer.	Isthmian S. S. Lines	Seattle, Wash.	Avonmouth, Eng.	General	7,968
Steel Age	20	20	Amer.	Isthmian S. S. Lines	Honolulu, T. H.	Philadelphia, Pa.	(16)	8,550
Cities Service Oil Co. Ohio	20	20	Amer.	Cities Service Oil Co.	Port Petrol, Cal.	New York, N. Y.	Crude oil	10,531
San Francisco	20	21	Fr.	French Line	Vancouver, B. C.	Havre, France	General	6,675
Annie Johnson	20	21	Swed.	Johnson Line	Vancouver, B. C.	Stockholm, Swed.	General	5,780
Nagara Maru	20	21	Jap.	Nippon Yusen Kaisha	Manila, P. I.	New York, N. Y.	Sugar, gen.	7,617
Maria Cristina	20	20	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(18)	12
El Oro	20	21	Brit.	C. T. Bowring & Co.	Cabo Bl'co, Peru	Ellesmr Pt., Eng.	Gasoline, oil	10,082
Nelsonington Court	20	21	Brit.	Chile Nit. Sales Corp.	Iquique, Chile	Azores, 14	Nitrates	7,300
Perene	20	22	Peruv.	Cia. Peruana de Vap'es	Callao, Peru	Iquitos, Peru	General	1,094
Losada	21	21	Brit.	Pacific Steam Nav. Co.	Coronel, Chile	Hull, England	General	8,560
Santoro	21	21	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,500
Trois Ilets	21	22	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee, wax	347
Olaf Bergh	17	22	Nor.	Seaboard Ship. Co.	N. Westm' gr. B. C.	Philadelphia, Pa.	Lumber	3,562
Arimasan Maru	21	22	Jap.	Mitsui Senpakub.	Manila, P. I.	New York, N. Y.	General	4,505
Ravnaas	22	22	Nor.	Steamship Owners Operating Co.	Yavaros, Mexico	Rotterdam, Neth.	Chick peas	6,456
Itauri	22	22	Ger.	Hamburg-Amer. Line	Coronel, Chile	Hamburg, Ger.	General	7,741
Gracia	22	22	Brit.	Donaldson Bros.	Vancouver, B. C.	London, England	(20)	5,377
Lenda	22	23	Nor.	Brit. Phosphate Co.	Ocean Islands	Gr'gem th, Eng.	Phosphates	6,400
Turakina	22	22	Brit.	N. Z. Shipping Co.	Dunedin, N. Z.	Glasgow, Scotland	Frozen, gen.	4,923
Yamagiri Maru	22	23	Jap.	Yamashita K. Kaisha	Iloilo, P. I.	Buenos Aires, Arg.	Sugar, gen.	6,794
Kirisima Maru	22	23	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	Houston, Tex.	General	8,581
L-41	22		Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Mathew Luckenbach	22	23	Amer.	Luckenbach-Gulf Co.	Portland, Oreg.	Mobile, Ala.	General	6,648
Golden Sun	23	23	Amer.	Matson Nav. Co.	Honolulu, T. H.	New Orleans, La.	(21)	8,926
Nuevo Panama	23	24	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	76
Timber Rush	23	23	Amer.	Shepard S. S. Co.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,688
Santa Clara	23	23	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	Coffee, gen.	5,603
Silverbellev	23	24	Brit.	Silver Line, Ltd.	Belawan, Sumatra	Calcutta, India	Lumber, gen.	4,764
Sambu	23	24	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	46
Hororata	23	24	Brit.	N. Z. Shipping Co.	Bluff, N. Z.	London, England	Frozen, gen.	4,040
Missourian	23	24	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	General	8,600
Lt. Col. H. C. Schumm	24	26	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow, barge	
Kiyokawa Maru	24	24	Jap.	Kawasaki K. Kaisha	Manila, P. I.	Houston, Tex.	Sugar, gen.	6,970
San Anselmo	24	24	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,071
Breda	24	25	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	8,581
Eleni	24	24	Greek	Seaboard Ship. Co.	Vancouver, B. C.	Hull, England	Lumber	7,056
Lebore	25	9-4	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Izglel	24	25	J-Slav.	Chile Nit. Sales Corp.	Tocopilla, Chile	Azores, 14	Nit. of soda	7,150
Winona	25	25	Amer.	Weyerhaeuser S. S. Co.	Portland, Oreg.	Norfolk, Va.	Lumber, gen.	7,225
Panaman	25	25	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	Lumber, gen.	6,787
San Amado	25	25	Brit.	Edge Oil & Ship. Co.	S. Francisco, Cal.	Lizard, England	Gasoline	10,490
Weser	25	26	Ger.	North German Lloyd	Vancouver, B. C.	Bremen, Germany	General	8,597
S-42	25		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		

¹ Tanker. ² Motor ship. ⁴ Tug. ⁵ Launch. ⁷ Submarine. ¹⁴ For orders. ¹⁵ Salt, copper, general. ¹⁶ Canned pineapples. ¹⁷ Coffee, tagua, cacao. ¹⁸ Concentrates and general. ¹⁹ Plantains, lumber. ²⁰ Grain, fruit, general. ²¹ Sugar, canned fruit.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
S-45 ⁷	25		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
S-43 ⁷	25		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Nero ²	25	27	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	228
Sofie Bakke ²	25	25	Nor.	Knut Knutsen, O.A.S.	Vancouver, B. C.	Belfast, Ireland	Lumber gen.	7,114
S-44 ⁷	25		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
S-47 ⁷	25		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Litopi ¹	24	25	Nor.	Mexican Governm't.	Guaymas, Mex.	Tampico, Mex.	Ballast	
Huntingdon.	25	26	Brit.	Fed. Steam Nav. Co.	Opua, N. Z.	Glasgow, Scotland	Frozen, gen.	5,769
Smaragd.	25	30	Nor.	Græe Line	Champ'co, Guat.	Cristobal, C. Z.	Coffee, gen.	814
Ino ²	25	27	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	337
Portmar	25	26	Amer.	Calmar Line	Tacoma, Wash.	New York, N. Y.	Lumber	7,300
Quito ²	26	9-3	Ger.	North German Lloyd.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	1,254
Jersey City	26	26	Brit.	East Asiatic Co.	Rashin, Korea.	Karlshamn, Swed.	Soy beans	8,848
Pennsylvania Sun, ^{1 2}	26	26	Amer.	Sun Oil Co.	El Segundo, Cal.	Marcus Hook, Pa.	Gasoline	17,565
Istmo.	26	27	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	(15)	728
Patrick Henry	26	27	Amer.	Lykes Bros.-Ripley.	Santo Nino, P. I.	New Orleans, La.	Sugar, gen.	10,039
U. S. Grant ³	26	27	Amer.	U. S. Army	S. Francisco, Cal.	Brooklyn, N. Y.	Army stores	298
Europa ²	27	27	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den	Fruit, gen.	8,868
Imperial ²	27	27	Chile.	Cia. S. Amer. de Vap.	Corral, Chile	Hamburg, Ger.	General	5,236
Stetl Maker	26	27	Amer.	Isthmian S. S. Lines.	Honolulu, T. H.	Baltimore, Md.	(16)	8,221
Eklaren ²	26	27	Swed.	General S. S. Corp.	Townsville, Aust.	London, England	(17)	8,609
Taranget ²	27	27	Nor.	Intercean S. S. Corp.	Seattle, Wash.	Rotterdam, Neth	(18)	7,534
Alnmoor.	27	27	Brit.	Chile Nit. Sales Corp.	Iquique, Chile	Azores, ¹⁴	Nitrates	10,150
Caledonia ^{1 2}	26	27	Nor.	Lorentzen Rederi Co.	Los Angeles, Cal.	Curacao, N.W.I.	Diesel oil	14,202
Pierre Claude ²	27	27	Fr.	Lauritzen Line	S. Francisco, Cal.	Haifa, Palestine	Fruit, gen.	5,535
Krossfoss ^{1 2}	27	27	Nor.	Pechelbronn.	Cabo Blanco, Peru.	Donges, France	Crude oil	13,327
Trois Ilets	27	28	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	264
American Robin.	27	27	Amer.	Amer.-For. S.S. Corp.	Tacoma, Wash.	New York, N. Y.	Lumber	6,912
Pan Gothia ^{1 2}	27	27	Swed.	Standard Oil of N. J.	Talara, Peru	Aruba, N. W. I.	Gasoline	14,952
Orion ³	27		Amer.	W. F. Daniels	Balboa, C. Z.	Gatun Lake, C.Z.	Ballast	
Miss No-Mer ³	27		Amer.	Claud Anderson	M'fles Lake, C.Z.	Gatun Lake, C.Z.	Ballast	
Sappho ³	27		Amer.	Al Meigs	M'fles Lake, C.Z.	Gatun Lake, C.Z.	Ballast	
Blue Bird ³	27		Amer.	Ed Gormely.	Balboa, C. Z.	Gatun Lake, C.Z.	Ballast	
Starcross.	27	28	Brit.	Seaboard Ship. Co.	Victoria, B. C.	Grangem'th, Eng.	Lumber	7,020
Embassage.	27	28	Brit.	Anglo-Can. S. S. Co.	Pt. Tahsis, B. C.	London, England	Lumber, gen.	7,755
California Express. ²	27	28	Nor.	Fruit Express Line	S. Francisco, Cal.	London, England	Fresh fruit	1,012
Dallington Court ²	27	28	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Garston, England	Lum., oatm'l	7,700
Lewis Luckenbach	28	28	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	11,771
Alaskan	28	28	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	5,937
Sir Osborn Holmden, ^{1 2}	28	28	Nor.	Shell Oil Co.	S. Francisco, Cal.	Curacao, N.W.I.	(19)	13,078
Niceto de Larrinaga.	28	28	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Hull, England	Lum., grain	8,375
Bradburn.	28	29	Brit.	Mitsui & Co.	Dairen, China.	Stettin, Germany	Soy beans	8,170
Daphne ^{1 2}	28	28	Brit.	Asiatic Pet. Co.	S. Francisco, Cal.	Curacao, N. W. I.	Gasoline	11,570
Tai Yang ²	27	29	Nor.	Barber-Wilhelmssen.	Zamboanga, P. I.	Boston, Mass.	General	6,337
Maria Cristina ²	27	28	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(20)	10
Point Chico	28	28	Amer.	Gulf-Pacific Line.	Portland, Oreg.	Panama City, Fla.	Lumber, gen.	6,340
Narenta	28	29	Brit.	Royal Mail Lines, Ltd	Victoria, B. C.	Rotterdam, Neth.	Fruit, gen.	7,024
Cleodora ^{1 2}	28	29	Neth.	Petroleum Co., Ltd.	Los Angeles, Cal.	Curacao, N.W.I.	Gasoline	11,247
Bidwell ^{1 2}	28	29	Amer.	Pan-Amer. Ref. Corp.	Pt. S. Luis, Calif.	Baltimore, Md.	Crude oil	10,263
New Orleans ²	29	30	Amer.	Roosevelt S. S. Co.	Fremantle, Aust.	Baltimore, Md.	Ore, gen.	5,342
Virgilio ²	29	30	Ital.	Societa Italia	Valparaiso, Chile.	Genoa, Italy	General	3,748
Helge.	29	30	Dan.	J. Lauritzen	Valparaiso, Chile.	New York, N. Y.	General	2,694
Tropic Star	29	29	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Savannah, Ga.	Nit. of soda	8,271
Marore.	30	30	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,500
Dresden ²	29	30	Ger.	North German Lloyd.	Corral, Chile	Bremen, Germany	General	6,296
Nuevo Panama ²	30	31	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	100
Hoxbar ¹	29	30	Amer.	Petrol Corp. L. Ang'es	Pt. Petrol, Calif.	New York, N. Y.	Crude oil	9,940
Charles R. McCormick.	30	30	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	7,295
Fortuna ²	30	30	Pan.	A. Ferrari.	Panama, R. P.	Colon, R. P.	Ballast	
Santa Maria ²	30	30	Amer.	Grace Line	Valparaiso, Chile.	New York, N. Y.	Frozen	5,065
Ionic Star	30	30	Brit.	Blue Star Line.	N. Westm'er, B.C.	Newcastle, Eng.	Frozen, gen.	5,865
Kansan.	30	30	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	General	7,891
Salvador.	30	7	Brit.	Pacific Steam Nav. Co.	Champ'co, Guat.	Cristobal, C. Z.	Coffee, gen.	717
Herman F. Whiton	30	30	Amer.	Dutton Lumber Corp.	Portland, Oreg.	Camden, N. J.	Lumber	7,200
Vibran ²	30	30	Nor.	Knut Knutsen Line	Los Angeles, Cal.	London, England	Fresh fruit	1,508
Real ²	29	31	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	19
La Union ²	30	31	Pan.	A. A. Valdes	Bayano, R. P.	Cristobal, C. Z.	Bananas	22
Kaimoku	30	31	Amer.	Matson Nav. Co.	Honolulu, T. H.	New York, N. Y.	Sugar, gen.	8,112
Lt. Col. H. C. Schumm. ⁴	31	2	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow. barge.	
Pacific President ²	30	31	Brit.	Furness, Withy & Co.	Vancouver, B. C.	London, England	General	8,115
Elwood ¹	30	31	Amer.	Shell Oil Co.	Los Angeles, Cal.	Houston, Tex.	Oil, kerosene	10,150

¹ Tanker. ² Motor ship. ³ Tug. ⁴ Launch. ⁵ Submarine. ⁶ Transport. ⁷ For orders. ⁸ Coffee, tobacco. ⁹ Canned pineapples. ¹⁰ Copra, lead, general. ¹¹ Wheat, fruit, general. ¹² Kerosene distillate. ¹³ Logs, plantains.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
San Cirilo ^{1 2} ...	31	31	Brit...	Eagle Oil & Ship. Co.	Los Angeles, Cal.	United Kingdom.	Gasoline	11,472
Nordnes ² ...	31	31	Nor...	Canadian-Gulf Lines.	Powell Riv., B. C.	Houston, Tex.	(¹⁴)	7,281
Drafi ^{1 2} ...	30	31	Nor...	Shell Oil Co.	S. Francisco, Cal.	Curacao, N.W.I.	Gas oil	11,202
Oregonian...	31	31	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	7,178
Davila ^{1 2} ...	31	31	Brit...	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N.W.I.	Gasoline	11,474
Akagi Maru ² ...	31	31	Jap...	Nippon Yusen Kaisha	Yokohama, Japan	Hamburg, Ger.	General.	6,321
Saarland...	31	2	Ger...	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger.	General.	8,177
San Angelo...	31	1	Amer.	Quaker Line.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	7,699
Lillian Luckenbach	1	1	Amer.	Luckenbach Line	Tacoma, Wash.	Boston, Mass.	Lumber, gen.	7,729
Bogota ² ...	1	...	Ger...	North German Lloyd.	Guayaquil, Ecu.	Cristobal, C. Z.	General.	1,340
La Paz ² ...	1	1	Brit...	Pacific Steam Nav. Co.	Antofagasta, Chile	Hull, England	Sugar, gen.	8,557
Port Bowen...	1	1	Brit...	Port Line	Pt. Pirie, N. Z.	London, England	Frozen, gen.	7,001
Charles Christenson.	1	1	Amer.	Arrow Line.	Seattle, Wash.	Baltimore, Md.	Lumber.	6,700
Istmo...	1	3	Pan...	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	734
Skeldergate...	1	1	Brit...	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores ¹³	Nit. of soda.	7,450
City of Hankow	1	2	Brit...	Mont.-Aust.-N.Z. Line	Brisbane, Aust'lia	Leith, Scotland.	General.	6,722
Chilore...	2	2	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,000
Clio ² ...	1	4	Neth	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	General.	340
Nero ² ...	2	3	Neth	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, drum	249
Yomachichi ² ...	2	2	Amer.	Roosevelt S. S. Co.	Adelaide, Aust'lia	Baltimore, Md.	General.	5,752
Alamar...	2	2	Amer.	Calmar Line	Seattle, Wash.	Philadelphia, Pa.	Lumber.	7,079
Kaldonn ^{1 2} ...	2	2	Nor...	Standard Oil of N. J.	Talara, Peru	Halifax, N. S.	Crude oil	14,311
Knute Nelson ² ...	2	3	Nor...	Fred Olsen & Co.	Vancouver, B. C.	Oslo, Norway	General.	7,602
F. J. Luckenbach.	2	3	Amer.	Luckenbach Line	Portland, Oreg.	New Orleans, La.	Lumber, gen.	7,020
Ervien...	2	3	Nor...	Seaboard Ship. Co.	Pt. Alberni, B.C.	Philadelphia, Pa.	Lumber.	7,381
Trelshick...	2	3	Brit...	Kerr Gifford.	Portland, Oreg.	United Kingdom.	Wheat.	7,483
Emma Bakke ² ...	2	3	Nor...	Scand.-S. Pacific Line	Valparaiso, Chile.	London, England	General.	6,809
Port Hardy...	3	4	Brit...	Port Line, Ltd.	Wellington, N. Z.	London, England	Frozen, gen.	6,149
Pacific...	3	3	Amer.	Weyerhaeuser S.S. Co.	Los Angeles, Cal.	Baltimore, Md.	Lumber, gen.	8,211
Orotava...	3	3	Hond.	United Fruit Co.	Pto. Armies, R.P.	Mobile, Ala.	Bananas	1,110
Temple Mead...	3	3	Brit...	Chile Nit. Sales Corp.	Iquique, Chile	Azores ¹³	Nit. of soda.	7,652
Panama ^{1 2} ...	3	4	Pan...	Un. Marit. & Ship Co.	Pt. S. Luis, Cal.	Trieste, Italy	Crude oil	10,209
West Camargo...	31	5	Amer.	McCormick S. S. Co.	Vancouver, B. C.	Buenos Aires, Arg.	Lumber, gen.	5,053
Maria Cristina ² ...	3	3	Pan...	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(¹⁵)	9
Castor ^{1 2} ...	3	3	Swed.	Standard Oil of N. J.	Talara, Peru	Halifax, N. S.	Crude oil	13,055
Torvanger...	3	3	Nor...	Chile Nitrate, London	Tocopilla, Chile.	Azores ¹³	Nitrate	9,970
Assuan ² ...	4	3	Ger...	Hamburg-Amer. Line.	Los Angeles, Cal.	Hamburg, Ger.	(¹⁶)	7,495
Orbita...	4	4	Brit...	Pacific Steam Nav. Co.	San Antonio, Chile	Liverpool, Eng.	(¹⁷)	5,825
Corrientes...	4	3	Brit...	Donaldson Line.	Victoria, B. C.	Glasgow, Scot.	Fruit, gen.	5,509
Kastor...	4	3	Greek	Th. Stevenson & Son.	Stockton, Calif.	Hull, England	Barley	9,100
Kinai Maru ² ...	4	4	Jap...	Osaka Shosen Kaisha	Dairen, China	Hamburg, Ger.	General.	8,189
Amerikaland ² ...	4	4	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,250
Minerva ² ...	4	4	Nor...	Chile Nit. Sales Corp.	Tocopilla, Chile.	Lake Charles, La.	Nitrate	9,400
Egyptian Reefer ² ...	4	5	Dan...	J. Lauritzen.	S. Francisco, Cal.	Rotterdam, Neth.	Fresh fruit.	1,478
Chateau Thierry ⁸	2	5	Amer.	U. S. Army	Balboa, C. Z.	New York, N. Y.	Army stores.	286
Santa Rita ² ...	4	5	Amer.	Grace Line	Ant'fagasta, Chile	New York, N. Y.	(¹⁸)	3,632
Niel Maersk ² ...	5	6	Dan...	Bugo, P. I.	New York, N. Y.	New York, N. Y.	General.	6,742
Junna...	5	5	Brit...	Canadian Transp. Co.	Pt. Alberni, B. C.	Rotterdam, Neth.	(¹⁹)	8,280
Dalblair...	5	5	Brit...	Elder Smith	Suva, Fiji Islands	United Kingdom	Sugar	7,531
City of Los Angeles.	5	6	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General.	4,818
Loosdrecht ^{1 2} ...	5	5	Neth...	Wertschfliche Vorschings Ges.	Richmond, Calif.	Hamburg, Ger.	Gasoline	13,985
Trois Ilets...	5	7	Fr...	French Line	B'ventura, Col.	Cristobal, C. Z.	(²⁰)	321
Californian ² ...	5	6	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,235
Thrush ¹ ...	6	...	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Washington ² ...	5	6	Fr...	French Line	Valparaiso, Chile.	Havre, France	General.	8,856
Nuevo Panama ² ...	6	7	Pan...	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	64
Oakland ² ...	6	7	Ger...	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	General.	6,266
Olney ¹ ...	6	6	Amer.	Shell Oil Co.	Los Angeles, Cal.	Perth Amboy, N.J.	Gasoline	8,425
San Antonio...	6	7	Fr...	French Line	Vancouver, B. C.	Havre, France	General.	6,483
Steel Inventor...	6	6	Amer.	Isthmian S. S. Lines.	Honolulu, T. H.	New York, N. Y.	(²¹)	8,484
Solheim ^{1 2} ...	6	6	Nor...	Shell Oil Co.	S. Francisco, Cal.	Curacao, N. W. I.	(²²)	12,199
Sambu ² ...	6	7	Nor...	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	38
Lady Glaney ² ...	7	7	Brit...	Seaboard Shipping Co.	Stockton, Calif.	London, England	Barley, lum.	8,948
Katrina Luckenbach.	6	7	Amer.	Luckenbach Line	S. Francisco, Cal.	New York, N. Y.	General.	7,504
Carica Milica...	7	7	J-Slav.	Seaboard Shipping Co.	Pt. Alberni, B. C.	Hull, England	Wheat, lum.	8,844
Hindanger ² ...	7	8	Nor...	Interocean S. S. Corp.	Portland, Oreg.	Rotterdam, Neth.	(²³)	6,961
Komaki Maru ² ...	7	7	Jap...	Kokusai Kisen Kaisha	Manila, P. I.	New Orleans, La.	General.	8,042
Boskoop...	7	9	Neth	Royal Neth. S. S. Co.	Lebu, Chile	Hamburg, Ger.	General.	7,868
Lt. Col. H. C. Schumm. ⁴	8	...	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow. barge.	
Pereira...	7	...	Pan...	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General.	557
Robert Luckenbach.	8	8	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,659

¹ Tanker. ² Motor ship. ⁴ Tug. ⁸ Transport. ¹³ For orders. ¹⁴ Newsprint, shingles. ¹⁵ Lumber, plantains, soy beans, general. ¹⁷ Copper, cotton, sugar. ¹⁸ Copper, bananas, coffee. ¹⁹ Lumber, grain, general. ²⁰ Coffee, vegetable wax. ²¹ Sugar, pineapples, cane. ²² Kerosene distillate. ²³ Wheat, lumber, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Iowan	8	8	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	7,110
Nero ²	10	10	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides	256
Heina ²	8	8	Nor.	Anglo-Can. S. S. Co.	Victoria, B. C.	Cardiff, Wales	Grain, lum.	7,014
Cerigo	8	8	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecua.	Cristobal, C. Z.	(14)	894
Ino ²	10	10	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	(15)	347
Winslow ⁵	8	8	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow. barge	
Stedore	9	9	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Gryfevale	8	8	Brit.	Chile Nit. Sales Corp.	Ant'fagasta, Chile	Azores ¹³	Nit. of soda	7,695
Cellina ²	10	10	Ital.	Societa Italia.	Vancouver, B. C.	Trieste, Italy	General	6,623
El Mirlo ^{1 2}	9	9	Brit.	C. T. Bowring & Co.	Lobitos, Peru.	Donges, France	Crude oil	11,528
Washington Express ²	8	9	Nor.	Fruit Express Line	S. Francisco Cal.	Glasgow, Scot.	Fresh fruit	1,750
Istmo	9	10	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	(16)	739
San Bernardino	9	9	Amer.	States S. S. Co.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,600
Onkmar	9	9	Amer.	Calmar Line	Everett, Wash.	Baltimore, Md.	Lumber	5,835
Hawaiian	9	9	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	6,557
St. Mihiel ⁸	8	10	Amer.	U. S. Army	S. Francisco, Cal.	Brooklyn, N. Y.	Army stores	259
Nebraska	9	9	Brit.	Royal Mail Lines, Ltd.	Victoria, B. C.	Rotterdam, Neth.	General	7,089
Talaralite ¹	9	10	Brit.	Imperial Oil Co.	Talara, Peru	Halifax, N. S.	Crude oil	3,421
Steel Voyager	10	10	Amer.	Isthmian S. S. Lines.	S. Francisco, Cal.	Boston, Mass.	(17)	7,939
H. D. Collier ¹	10	10	Amer.	Standard Oil of Calif.	Richmond, Calif.	Hamburg, Ger.	Gasoline	10,663
Stjerneborg ²	10	10	Dan.	C. K. Hansen	Pt. Alberni, B. C.	New York, N. Y.	Lumber	7,540
Telde	10	10	Hond.	United Fruit Co.	Pto. Arm'les, R. P.	Mobile, Ala.	Bananas	886
Dallas ⁹	10	10	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		

¹ Tanker. ² Motor ship. ⁵ Launch. ⁸ Transport. ⁹ Destroyer.¹³ For orders. ¹⁴ Coffee, hides, cocoa.¹⁵ Coffee, balsa wood. ¹⁶ Coffee, mineral. ¹⁷ Lumber, canned fruit.

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

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1937	1938	Increase	Decrease	1937	1938	Increase	Decrease
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
June	540	469	.....	13.1	472	445	.....	5.7
July	551	509	.....	7.6	457	429	.....	6.1
Total	3,958	3,603	.....	8.9	3,258	3,212	.....	1.4

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 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.

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 acids, 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

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:"	
Private and semiprivate rooms.....	Daily, 9:30-11 a. m.; 2-4:30 p. m.; 6:30-8 p. m.
Wards.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m. Sunday and holidays, 9:30-11 a. m.; 2:00-4 p. m.
Section "B:"	
Ward 5, white American male, private and semiprivate rooms.....	Daily, 9:30-11 a. m.; 2-4:30 p. m.; 6:30-8 p. m.
Ward 6, foreign male and female, private rooms; American girls.....	
Ward 7, white females, private rooms.....	
Ward 8, obstetrical department, white females.....	
Nursery.....	No visitors allowed.
Section "C:"	
Wards 9 (colored section), 11, 12, and 13.....	Wednesday, Friday, Sunday, and holidays, 1-2:30 p. m. Visitors from Atlantic side may remain until 3 p. m.
Wards 9 (white section), 10, and 14.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m. Sundays and holidays, 9:30-11 a. m.; 2:30-4:30 p. m.; 6:30-7:30 p. m. Visitors to venereal cases in wards 13 and 14 will be limited to two members of patient's immediate family.
Section "D:"	
Wards 15 and 16.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m. Sundays and holidays, 9:30-11 a. m.; 2:30-4:30 p. m.; 6:30-7:30 p. m.
Wards 17, 19, and 20.....	Wednesday, Friday, Sunday, and holidays, 1-2:30 p. m. Visitors from Atlantic side may remain until 3 p. m.
Ward 18.....	Daily, 9:30-11 a. m.; 2-4:30 p. m.
Isolation section.....	No visitors permitted except to adults to visit tuberculosis patients Thursday, Sunday, and holidays, 1:30-3 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.

Dispensary Hours

Location	Week days		Sundays and holidays
	Morning	Afternoon	Morning
Ancon.....	8:00-11:00	3:00-5:00	9:00-10:00
Balboa.....	8:00-11:00	3:00-5:00	9:00-10:00
Colon.....	8:00-11:00	3:00-5:00	8:00-10:00
Gatun.....	8:00-11:00	3:00-5:00	8:30-9:30
Gamboa.....	8:00-11:00	3:00-5:00	9:00-10:00
Pedro Miguel.....	8:00-11:00	3:00-5:00	9:00-10:00

Gorgas Hospital Out-Patient Clinic Hours

	Daily, except Sundays and holidays	
	Morning	Afternoon
Medical Clinic.....	*11:00-12:00	*2:00-4:00
Branch Medical Clinic, by appointment only.....	8:00-12:00	1:00-4:00
(Consultations only on Saturday, 8-12 a. m.)		
Allergy Clinic, by appointment only, Thursday.....		1:00-3:30
Surgical Clinic.....		2:00-3:00
Eye, Ear, Nose and Throat Clinic, white patients.....		*2:00-3:00
Eye, Ear, Nose and Throat Clinic, colored patients.....	*8:00-12:00	
X-Ray Clinic.....	8:00-12:00	1:00-4:00
Radio-Therapy Clinic.....	8:00-12:00	1:00-4:00
Hydro-Therapy Clinic.....	8:00-12:00	1:30-4:00
Silver Dental Clinic.....	8:00-12:00	1:00-4:00

* And by appointment.

Colon Hospital and Dispensary Clinic Hours

	Week days		Sundays and holidays
	Morning	Afternoon	Morning
Eye, Ear, Nose and Throat Clinic.....	10:30-12:00	*1:00-4:00	8:00-10:00
Gold Clinic.....	8:30-11:00	3:00-5:00	8:00-10:00
Silver Clinic.....	8:00-11:00	3:00-5:00	8:00-10:00
Surgical Clinic.....		1:00-4:00	
Maternity and Children's.....	8:30-11:00	3:00-5:00	
Silver Dental Clinic.....	8:00-12:00	2:00-5:00	
X-Ray.....	11:00-12:00	2:00-3:00	

* Excepting Fridays

Visiting Hours, Colon Hospital

Section and Ward	Visiting Hours
Ward A, male, white (ward and semiprivate rooms).....	Daily, 2 to 4 p. m.; 6:30 to 8 p. m.
Ward C, male and female, white (ward and private rooms) (No visitors allowed in nursery)	Daily, 2 to 4 p. m.; 6:30 to 8 p. m.
Ward B, female, colored (ward and semiprivate rooms)....	Tuesday, Thursday, Sunday, and holidays, 2 to 3:30 p. m.
Ward E, male, colored.....	Tuesday, Thursday, Sunday, and holidays, 2 to 3:30 p. m.

Visiting Hours, Corozal Hospital for the Insane

Sundays, Wednesdays, and holidays:

9 a. m. to 10:30 a. m.

1 p. m. to 3:30 p. m.

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. 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.

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, 7:00 a. m.; 11 a. m.; 5 p. m.; 10 p. m.

From Panama: Daily, 7:05 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.

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.

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

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Traffic Through the Panama Canal in September 1938

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

	September 1936	September 1937	September 1938		
			Atlantic to Pacific	Pacific to Atlantic	Total
Ocean-going commercial traffic.....	466	444	232	206	438
Small commercial vessels.....	33	79	36	27	63
Noncommercial vessels:					
United States Government.....	17	28	27	19	46
Colombian Government.....	2	1			
For repairs.....	1	5	1	1	2
Total.....	519	557	296	253	549

¹ Vessels under 300 net tons, Panama Canal measurement.

OCEAN-GOING COMMERCIAL TRAFFIC ²

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 twelve months ended September 30, 1938, as compared with the twelve months ended September 30, 1937:

Month	No. of vessels		³ Panama Canal net tonnage		Tons of cargo		Tolls	
	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8
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	2,095,402	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	2,511,674	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	2,327,698	2,670,466	2,122,389	2,070,337.89	1,801,291.78
July...	457	429	2,395,306	2,089,000	2,476,366	2,025,660	2,029,642.45	1,694,205.00
August...	505	468	2,597,119	2,345,000	2,780,603	2,171,674	2,195,308.87	1,890,050.74
September...	444	438	2,312,725	2,165,000	2,385,142	1,998,464	1,935,673.78	1,741,895.46
Total...	5,398	5,453	27,605,610	27,351,959	28,377,465	25,939,611	23,166,675.94	22,335,414.80

² Ocean-going commercial traffic includes only toll-paying vessels of 300 net tons or over, Panama Canal measurement.

³ These figures indicate the Panama Canal net tonnage as determined under the rules of measurement in effect prior to March 1, 1938.

⁴ 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.

⁵ Estimated tonnage under the former rules, based on total Panama Canal net tons as now measured, July 1938, 1,933,816; August 1938, 2,177,699; September 1938, 2,005,241.

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 September 1938. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	⁶ Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	36	1,585	\$1,309.32	446
Pacific to Atlantic.....	27	1,507	1,354.86	1,628
Total.....	63	3,092	2,664.18	2,074

⁶ As measured under the present Panama Canal rules.

Traffic by Nationality of Vessels⁷ for September 1938

	No. of transits	⁸ Panama Canal net tonnage	Tolls	Tons of cargo
British.....	⁹ 108	563,330	\$487,002.06	454,089
Chilean.....	2	7,474	6,726.60	2,924
Danish.....	17	59,954	51,378.66	48,438
French.....	8	42,115	37,903.50	44,080
German.....	20	73,286	65,881.26	73,547
Greek.....	5	25,111	20,706.66	24,890
Honduran.....	8	12,972	10,507.32	3,946
Italian.....	5	26,869	24,182.10	16,540
Japanese.....	18	102,027	90,617.04	117,969
Netherlands.....	22	58,356	50,543.82	51,396
Norwegian.....	54	251,355	210,144.24	249,329
Panamanian.....	17	29,130	23,207.94	19,678
Philippine.....	1	4,805	4,324.50	8,636
Swedish.....	13	59,550	50,486.22	82,334
United States.....	136	671,860	593,685.18	778,677
U. S. S. R.....	1	3,358	3,022.20	5,447
Yugoslav.....	3	13,689	11,576.16	16,544
Total.....	438	2,005,241	1,741,895.46	1,998,464

⁷ Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.⁸ As measured under the present Panama Canal rules.⁹ Includes one naval vessel of 9,450 displacement tons.

Traffic by Trade Routes for September 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	¹⁰ Panama Canal net tonnage	Tons of cargo	No. of ships	¹⁰ Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	44	218,838	175,667	46	234,201	346,356
East coast United States and:						
Canada.....	1	4,963	1,000	4	18,708	32,273
Central America and Mexico.....	6	11,753	2,901	5	8,071	3,946
South America.....	20	82,017	17,138	17	66,467	176,017
Hawaiian Islands.....	2	9,058	3,291	5	24,457	40,039
Australasia.....	7	37,810	34,807			
Philippine Islands.....	7	39,298	27,945	9	49,456	70,904
Far East.....	15	76,084	115,829			
East coast Canada and:						
United States.....	2	10,490	8,009			
South America.....				3	15,353	30,787
Australasia.....	2	10,604	11,132	4	18,625	23,477
Central America/Mexico intercoastal.....				1	1,581	
East coast Central America/Mexico and Far East.....				1	6,707	
South America intercoastal.....	3	6,948	6,728	1	1,619	
East coast South America and:						
United States.....				1	4,572	5,608
Canada.....	4	18,695	7,845	1	4,551	5,462
Australasia.....	1	5,179				
Far East.....	3	17,254	10,260			
Philippine Islands.....				1	5,354	5,721
Cristobal and:						
Central America and Mexico.....	3	1,946	1,869	4	2,601	1,837
South America.....	13	7,628	4,276	16	9,527	9,557
West Indies and:						
United States.....	3	19,517		2	11,905	24,438
South America.....	3	15,662	32,954	1	6,000	11,634
Balboa.....	1	3,054	6,258	1	3,054	
Europe and:						
United States.....	17	89,191	5,965	16	74,394	118,581
Canada.....	42	209,992	41,315	26	130,889	198,433
South America.....	20	119,449	33,295	23	117,677	192,438
Australasia.....	6	50,954	34,444	10	71,474	64,640
Far East.....	1	3,358	5,447	4	18,717	27,060
Egypt and South America.....	1	3,729	4,500	1	3,492	7,000
Africa and United States.....				1	1,778	1,705
Around the world.....				1	6,543	7,676
Foreign vessels in ballast (United States intercoastal).....	3	12,905				
Vessels not engaged in commerce.....	¹¹ 2	1,062		¹² 1		
Total.....	232	1,087,438	592,875	206	917,803	1,405,589

¹⁰ As measured under the present Panama Canal rules.¹¹ Yachts.¹² Naval vessel.

Origin and Destination of Cargo by Major Areas

The following table summarizes the origin of cargo passing through the Canal in September 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	175,597	9,232	141,002	14,968	34,807	375,606
Other North America	11,056	9,955	10	45,010	11,132	77,163
Europe	29,064	15,870	5,447	26,368	34,444	111,193
Miscellaneous	7,513	210	10,106	11,084	.....	28,913
Total	223,230	35,267	156,565	97,430	80,383	592,875

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	350,312	34,242	232,586	13,558	630,698
Canada	22,921	1,999	81,586	2,501	109,007
Other North America	43,985	1,837	309	.....	46,131
South America	173,355	55,773	191,260	7,045	427,433
Australasia	6,828	18,431	62,558	.....	88,117
Asia	76,359	3,242	24,299	273	104,203
Total	673,790	115,524	592,898	23,377	1,405,589

Principal Commodities

Commodities which aggregated 10,000 or more tons either during September 1938, or in September 1937, are listed below:

Commodity	September		Commodity	September	
	1937	1938		1937	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic</i>		
Ammonium compounds	12,011	2,441	Asphalt and tar	11,487	12,582
Asphalt and tar	25,640	3,756	Barley	19,906	22,688
Automobiles and parts	25,816	15,255	Beans, edible, dry	16,914	10,134
Canned goods, various	14,924	14,427	Canned goods, various	159,640	136,477
Cement	20,929	11,338	Coffee	10,486	11,515
Coal and coke	16,961	7,212	Cold storage (food products) ¹³ ..	18,442	28,803
Corn	11,828	350	Cotton, raw	10,896	9,305
Cotton, raw	9,977	22,932	Flour	23,877	15,938
Iron and steel	194,541	96,182	Fruit, dried	24,714	31,214
Machinery	13,682	8,625	Fruit, fresh ¹⁴	13,379	22,989
Manufactured goods	12,461	17,417	Guano .....	.....	17,100
Metals, various	77,298	52,326	Lumber	245,929	225,425
Oils, mineral	61,567	88,536	Metals, various	52,423	47,507
Ores	4,771	11,866	Nitrates	90,077	90,094
Paper	50,750	25,024	Oils, mineral	261,212	230,558
Phosphates	32,461	2,244	Oils, vegetable	15,284	7,866
Scrap metal	60,331	13,104	Ores, various	134,281	142,464
Slag	14,522	25	Paper	13,542	6,844
Sulphur	19,223	19,889	Rice	12,483	4,220
Tinplate	16,507	9,488	Rubber	12,220	2,247
Wood pulp	10,729	2,874	Sugar	160,347	115,582
.....	.....	.....	Wheat	16,823	82,166
.....	.....	.....	Wood pulp	27,568	12,193

¹³ Except fresh fruit.¹⁴ Except bananas.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of September 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 com-

piled, 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			42	48
Agricultural implements	552	20	3,369	35
Alfalfa meal		300		735
Ammonium compounds	146		2,441	
Animal foods ¹⁵	65	127	65	127
Apparel, wearing (hats, shoes, clothing, etc.)	59		623	105
Asbestos	502		1,240	5
Asphalt and tar	204	10,801	3,756	12,582
Automobiles (and autotrucks)	648	14	9,338	26
Automobile parts and accessories	426	1	5,917	5
Bags and bagging, textile	244	3	433	3
Bamboo and products				234
Bananas				5,490
Barks, miscellaneous		28	17	389
Barley		108	5	22,688
Beans, edible, dry	75	3,350	75	10,134
Beer			325	
Blood and tankage			69	256
Bones and bone meal			946	
Books and printed matter	35		89	
Borax		996		4,358
Bran and pollards				2,679
Bricks and tile	451		1,136	45
Camphor, crude				60
Canned and preserved goods:				
Fish	750	17,881	952	36,185
Fruit	412	32,052	469	69,480
Meat	335	842	2,017	1,103
Milk		200		374
Soup	5,614		5,729	203
Vegetables	684	8,086	714	8,244
Miscellaneous and unclassified	3,896	15,949	4,172	20,762
Carbon black			471	
Celite		917		917
Cement	524	105	11,338	105
Chalk			625	
Charcoal			2	100
Chemicals ¹⁵	3,197	607	7,989	1,103
Clay, china and fire	196	372	296	646
Clay, filtering	10		10	122
Coal	1,554		3,559	
Cocoa and cacao beans	96		896	1,572
Coconuts and products ¹⁵	143	624	369	1,340
Coffee	250	73	6,494	11,515
Coke			3,653	
Cold storage and refrigerated products:				
Dairy products	35	133	239	12,967
Eggs				322
Fish	63	6	94	305
Lard	460		584	4
Meats		45	224	15,113
Poultry		20		20
Vegetables				71
Other and unclassified			44	1
Confectionery	1,311		1,386	
Copra				4,548
Copra meal and cake		70		270
Corn			350	7,442
Cotton, raw	80	272	22,932	9,305
Cresote	17		6,007	
Drugs and medicines	1,504	5	1,738	40
Dyes				1
Earthenware	68	37	137	683
Eggs, dried				20
Electrical apparatus and appliances	1,316	333	2,667	405
Enamelware and metalware	558	109	603	224
Explosives			702	6
Extract, quebracho			986	
Fertilizers ¹⁵	30	864	127	1,315
Fish meal				2,471
Floor coverings	2,154	946	2,328	1,109
Flour	185	13,375	5,624	15,938
Fruit, dried	52	18,727	68	31,214
Fruit, fresh ¹⁵	204	2,786	266	22,989
Furniture and household goods	241	209	284	209

¹⁵ 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
Gallnuts.....				15
General.....	9,628	3,097	36,761	8,777
Glass and glassware.....	1,638	11	4,274	246
Glue.....	124	104	129	114
Grains, other and unclassified.....			29	
Groceries.....	1,260	37	1,667	478
Guano.....				17,100
Gums.....		60		409
Hair, all kinds.....	71	73	76	517
Hay.....	13	564	27	664
Hemp, unmanufactured.....		16	45	2,041
Honey.....		180		290
Horns and hoofs.....				5
Infusorial earth.....	101	630	101	911
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.).....	55,522	643	96,182	671
Ivory nuts.....				1,634
Jute, unmanufactured.....			256	
Lard substitute.....	214		214	
Lime.....			24	
Liquors.....	3,109	245	4,834	292
Lumber (including manufactured mill products).....	2,775	122,913	6,150	225,425
Machinery.....	1,455	726	8,625	1,045
Malt.....			87	150
Manufactured goods ¹⁵	11,587	1,638	17,417	2,600
Marble and granite.....	34		910	
Matches.....	100	201	243	201
Metals:				
Antimony.....		15	64	113
Copper.....	145	3,186	2,515	26,539
Gold and silver.....				203
Iron.....	128		48,635	15
Lead.....		400	10	13,375
Tin.....	52	15	52	84
Zinc.....	85		690	4,940
Other and unclassified.....	216	33	360	2,238
Milk, powdered.....	30	642	67	843
Molasses and syrups.....	215	37	368	1,032
Nitrate.....	3,052		4,346	90,094
Nuts, edible (including meats).....		35	288	2,506
Oats.....	65	200	73	3,296
Oils, mineral:				
Crude.....		12,494	13,095	103,492
Gas and fuel.....			15,872	6,205
Gasoline, benzine, and naphtha.....		32,142	25,272	87,940
Kerosene.....			3,673	32,327
Lubricating and greases.....	17,479	331	30,624	594
Oils, vegetable:				
Cocunut.....		500	222	3,958
Cottonseed.....	170		192	
Linseed.....	23		171	
Olive.....			535	
Peanut.....			15	
Teaseed.....				1,073
Wood.....	38	7	50	787
Other and unclassified.....	74	69	428	2,048
Oil, fish.....	93		201	35
Oil, whale.....				820
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.).....	113		5,130	1,175
Oilseed cake and meal.....	450		450	6,233
Ores:				
Antimony.....			17	620
Copper.....		314	8,027	4,675
Iron.....	2,056		2,193	121,400
Lead.....				3,178
Magnesite.....		470	5	828
Manganese.....	23		37	3,029
Tin.....		21		2,893
Zinc.....				4,780
Other and unclassified.....			1,587	1,061
Paints and varnishes.....	1,030	254	2,422	380
Paper and paper products ¹⁵	10,201	5,443	25,024	6,844
Peanuts.....	235		235	88
Peas, dry.....		369		389
Peatmoss.....			403	
Phosphates.....	219		2,244	
Plaster.....			77	
Porcelainware.....	364	263	871	1,183
Potash.....		3,248	311	3,248
Pyrethrum flowers.....		66		188

¹⁵ 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.....	207	64	1,012	184
Railroad material.....			3,950	25
Rice.....	273		301	4,220
Rope and twine.....	364	88	539	147
Rosin.....	1,253	4	2,069	4
Rubber:				
Manufactured.....	837	42	1,414	92
Raw.....	81		81	2,119
Scrap.....			365	36
Salt.....	119	222	6,081	222
Sand.....	931		1,817	81
Scrap metal.....	432	66	13,104	267
Seeds (except oilseeds).....	11	2,688	486	2,988
Shells, oyster.....	547		547	77
Silk, raw.....		194	16	2,013
Skins and hides.....		973	1,316	4,372
Slag.....			25	
Slate.....	2,115		2,115	
Soaps and products.....	1,413	61	1,447	188
Soda and sodium compounds:				
Soda ash.....	113		1,150	
Soda, caustic.....	683		2,314	
Miscellaneous and unclassified.....	630		1,369	149
Soy beans.....	20		20	7,495
Spices.....	113		122	35
Sugar.....	10	8,905	829	115,582
Sulphur.....	6,155		19,889	6,000
Talc.....		175		349
Tallow.....	16	319	128	1,968
Tea.....	93	18	311	1,237
Textiles ¹⁶	3,027	10	7,171	860
Tinplate.....	577	303	9,488	781
Tobacco and manufactures.....	389	66	3,540	215
Toilet preparations.....	94	15	111	15
Turpentine.....	293		712	
Vegetables, dry ¹⁵	29		129	227
Wall board.....	25		346	1,117
Wax, paraffin.....	529		1,955	74
Wheat.....		98		82,166
Wines.....	32	1,342	997	2,391
Wood pulp.....	576	9,741	2,874	12,193
Wool.....	17	1,833	478	4,523
Total, September 1938.....	175,597	350,312	592,875	1,405,589
Total, September 1937.....	200,108	417,564	890,103	1,495,039
Total, September 1936.....	272,244	450,009	834,741	1,691,625

¹⁵ Except as otherwise classified.¹⁶ Cotton, silk, wool, rayon goods.

Tanker Traffic

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

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	¹⁷ Panama Canal net tonnage	Tons of cargo	No. of ships	¹⁷ Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	3	18,462	8,245	5	30,525	¹⁹ 57,841
East coast United States and:						
Central America and Mexico.....	1	3,682				
Far East.....	1	4,266	8,748			
East coast Canada and South America.....				3	15,353	30,787
East coast Central America/Mexico and Far East.....				1	6,707	
South American intercoastal.....	1	4,359	3,392			
West Indies and:						
United States.....	3	19,517		2	11,905	24,438
South America.....	3	15,662	32,954	1	6,000	11,634
Balboa.....	1	3,054	6,258	1	3,054	
Europe and:						
United States.....	9	57,582	¹⁸ 5,965	6	34,716	66,007
South America.....	4	27,251		4	24,832	49,995
Total.....	26	153,835	65,562	23	133,092	240,702

¹⁷ As measured under the present Panama Canal rules.¹⁸ 5,965 tons of creosote.¹⁹ Includes 10,745 tons of asphalt.

Comparison of Canal Traffic in September 1938, 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
		(000 omitted)	(000 omitted)			(000 omitted)	(000 omitted)
1914.....	53	²⁰ 217	323	1915.....	²¹ 100	361	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.....	524	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.....	385	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	1938.....	460	²³ 2,338	2,282
1938.....	438	²² 2,165	1,998		458	²⁴ 2,275	2,141

²⁰ Canal opened August 15, 1914. ²¹ Average for 10½ months. ²² Estimated tonnage under Panama Canal rules in effect prior to March 1, 1938. ²³ As measured under the rules in effect prior to March 1, 1938. ²⁴ Average for 9 months of calendar year 1938.

Terminal Activities

Ships repaired during the month of September 1938 numbered 63, of this number 15 were drydocked. Fuel and Diesel oil in the quantity of 247,699 barrels was delivered as bunkers to 120 commercial ships. Bunker coal amounting to 4,849 tons was delivered to 15 commercial ships. Sales of commissary supplies to ships aggregated \$25,196.58.

Cargo Handled at Terminal Ports, September 1938

	Cristobal	Balboa	Total
Local cargo arriving..... tons..	21,092	8,304	29,396
Local cargo shipped..... tons..	2,692	1,017	3,709
Cargo received for transshipment..... tons..	40,189	708	40,897
Cargo transshipped..... tons..	40,680	1,020	41,700
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	7	2	9
Number of releases issued.....	35	9	44
Tons received.....	35	13	48
Tons withdrawn.....	22	8	30

All Vessels Entering and Clearing Port, September 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..	504	3,010,746	1,791,523	468	2,679,658	1,608,510
Vessels entering port but not transiting Canal	54	343,390	189,228	10	39,844	23,644
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	136	809,326	485,586	97	630,903	371,404
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	498	2,959,169	1,762,016	467	2,667,830	1,603,305
Vessels clearing port but not transiting Canal	53	296,424	163,939	9	30,457	18,633
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	134	801,321	480,539	95	620,390	365,367

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, 1938, to midnight October 10, 1938. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Socrates, 0, $\frac{3}{4}$	Nozima Maru, 290, 0	Istmo, 250, 613	De La Salle, 105, 845	Duesseldorf, 171, 432
Vinland, 375, 98	Manilla, 4,640, 0	Quito, 1,336, 0	Ancon, 2,481, 623	Peter Maersk, 25, 129
Schwaben, 61, 488 $\frac{1}{2}$	Phoenicia, 0, 946	Leikanger, 46, 540	John Cabot, 0, 847 $\frac{1}{2}$	Santa Clara, 1,280, 20
Jamaica, 115, 378	Scientist, 183, 0	Tolosa, 598, 241	Amerika, 25, 0	Real, 0, 1
Stella Lykes, 597, 311	Santa Marta, 522, 295	Deroche, 2,519, 0	Manoeran, 37, 0	Nuevo Panama, 0, 175
Santa Paula, 155, 11	Clio, 565, 173	Costa Rica, 79, 27	Sixado, 677, 199	Musa, 645, 12
Cuba, 91, 2	Pericles, 8, 967	Ino, 516, 256	Istmo, 577, 145	San Francisco, 131, 0
Patria, 250, 74	Bodegraven, 77, 586	Bogota, 33, 347	Gansford, 403, 315	Osnabruck, 148, 772
Roda, 103, 404	Port Antonio, 23, 520	Mison, 6,651, 0	Norviken, 1,022, 16	City of Delhi, 145, 10
San Marcos, 358, 8	Alabama, 493, 6	Santa Rita, 530, 25	Abraham Lincoln, 50 $\frac{1}{2}$, 420	Istmo, 701, 0
City of San Francisco, 91, 0	Loriga, 108, 0	Santa Rosa, 152, 57	Costa Rica, 0, 875	Santa Barbara, 660, 225
Savokla, 299, 0	Fella, 215, 5	Chiriqui, 58, 143	Nero, 591, 0	Vergara, 158, 910
Arizona, 21, 799	Veragua, 11, 35	Santa Inez, 145, 5	Goslar, 0, 1	Havelland, 10, 154
Laurits Swenson, 51, 144	Santa Elena, 37, 0	Cordillera, 54, 556	Helga, 0, 162	Este, 201, 374
Cefalu, 97, 742	Cordillera, 155, 53	Vancouver, 319, 333	Quito, 0, 760	Benjamin Franklin, 1, 287
Santa Lucia, 553, 9	Arminda, 184, 56	San Simeon, 895, 35	Friesland, 223, 0	Durazzo, 751, 389
Acajutla, 733, 594	City of Norfolk, 174, 0	Buenos Aires, 17, 507	City of Elwood, 177, 0	Guayaquil, 1,816, 456
San Pedro, 155, 6	Laguna, 2, 31	Bogota, 0, 116	Planter, 166, 0	Reina del Pacifico, 134, 58
Cuba, 0, 353	Kansai Maru, 302, 338 $\frac{1}{2}$	Margaret Lykes, 493, 229	Nankai Maru, 405, 340	Drechttdijk, 342, 85
Pericles, 32, 33 $\frac{1}{2}$	Yamazaki Maru, 374, 0	Trois Ilets, 202, 27	Cerigo, 1,292, 0	Nero, 0, 74
Mayari, 0, 396	Sambu, 0, 70	Wisconsin, 754, 84	Clio, 590, 55	Rhakotis, 486, 186
Platano, 658, 0	Contessa, 254, 574	Cefalu, 271, 629	Talamanca, 19, 765	Cerigo, 10, 591 $\frac{1}{2}$
Santa Maria, 170, 651 $\frac{1}{2}$	Karnak, 109, 158	Tai Shan, 445, 0	San Anselmo, 314, 34	Ulua, 582, 432
West Nilus, 7, 280	Pasajero, 0, 4	Salvador, 239, 0	Santa Paula, 275, 216	Eridan, 0, 16
Norden, 342, 8	Musa, 880, 76 lbs.	City of Baltimore, 181, 0	Phrygia, 0, 656	San Francisco, 199, 425
Trois Ilets, 350, 9	Nuernberg, 72, 829	Orduna, 10, 298	Bennekorn, 120, 1,602	Nuevo Panama, 0, 193
Nero, 237, 63	Lochmonar, 117, 5	Chilean Reefer, 37, 0	Trois Ilets, 214, 0	Manizales, 0, 408
Istmo, 762, 248	Quirigua, 164, 547	Platano, 469, 34 lbs.	Pereira, 102, 560	Simon Bolivar, 15, 58
Talamanca, 424, 1,317	Harvester, 1,025, 0	Canada, 24, 211	City of Newport News, 131, 0	Santa Elena, 139, 1 $\frac{1}{2}$
W. S. Rheem, 16,889, 0	Trois Ilets, 264, 0	Santa Lucia, 260, 112	Salvador, 0, 727	Quirigua, 8, 37
Miss C. B., 200 lbs., 0	W. S. Rheem, 16,889, 0	Jamaica, 221, 320 $\frac{1}{2}$	Orazio, 7, 210	Samuel Bakke, 296, 0
Cristobal, 2,616, 638	Deltdijk, 276, 92	Colombia, 62, 48	Contessa, 779, 657	Kattegat, 0, 1
Durazzo, 822, 308	Smagrad, 300, 0	Sona, 15, 0		
	Buenaventura, 2,099, 445			

BALBOA

Bachaquero, 6,258, 0	Schwaben, 309, 7	Cathwood, 10,020, 0	Santa Rita, 404, 0	City of San Francisco, 0, 74
Chateau Thierry, 286, 68	Vinland, 660, 0	City of Norfolk, 127, 0	City of Baltimore, 150, 0	U. S. S. Nitro, 422, 0
City of Baltimore, 0, 88	Pereira, 2, 0	John Worthington, 1,051, 0	Tai Shan, 216, 0	John Cabot, 0, 17
Santa Inez, 105, 0	City of San Francisco, 157, 0	Canadian Constructor, 0, 482	Buenos Aires, 0, 240	City of Newport News, 150, 7
Falcon, 3, 0	Santa Lucia, 33, 0	Quito, 3, 0	Salvador, 3, 0	Salvador, 0, 1
Niel Maersk, 132, 0	Lauritz Swenson, 468, 0	Deroche, 491, 0	Aguator, 7, 0	Peter Maersk, 240, 0
St. Mibiel, 155, 116	Acajutla, 3, 0	Cuba Maru, 107, 0	Heiyo Maru, 90, 0	Santa Clara, 1, 10
Republie, 852, 236	Santa Maria, 191, 0	Amerikaland, 4, 0	Santa Lucia, 113, 1	Santa Barbara, 120, 18
City of Newport News, 0, 71	U. S. Grant, 118, 31	City of Los Angeles, 0, 74	City of Elwood, 121, 0	Ulm, 0, 76
Santa Clara, 177, 1	Chattanooga City, 12, 0	Bodegraven, 1007, 0		

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

Passengers

Ocean ship passengers disembarking at Canal ports during September 1938, numbered 2,737 at Cristobal and 1,018 at Balboa; embarking 2,164 at Cristobal and 1,033 at Balboa. Passengers passing through the Canal numbered 4,728 from the Atlantic to the Pacific, and 2,188 from the Pacific to the Atlantic. Aircraft numbering 48 entered Cristobal and 194 disembarked; clearances were 48, with 182 passengers embarking. At Balboa entries of aircraft numbered 49, with 134 passengers disembarking; clearances were 49 with 93 passengers embarking.

Revision of Telephone Directory

The copy for a revised telephone directory, to be issued as of January 1, 1939, will be sent to the Panama Canal Press November 15, 1938. All changes or corrections in the present directory should be forwarded to the Supervisor of Telephones, Balboa Heights, not later than November 1, 1938. Proof corrections will be made to December 1, 1938.

Movements of Ocean Vessels Through the Panama Canal

From midnight September 10, 1938, to midnight October 10, 1938

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
City of Glasgow	10	11	Brit...	Mont.-Aust.-N.Z.Line	Montreal, Can.	Dunedin, N. Z.	General	5,000
Tolken	10	11	Swed.	Transatlantic S. S. Co.	Goth'burg, Swed.	Brit. Columbia	Ballast	
Washingtonian	10	11	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Tacoma, Wash.	Steel, gen.	2,607
Northleigh	11	11	Brit.	Anglo-Can. S. S. Co.	Barry, England	Brit. Columbia	Ballast	
Jane Christenson	11	11	Amer.	Arrow Line	Baltimore, Md.	Seattle, Wash.	General	1,958
Norman Star	11	11	Brit.	Blue Star Line	Newcastle, Eng.	Seattle, Wash.	Ballast	
Tigre 2	11	11	Nor.	Wilh. Wilhelmsen	Oslo, Norway	S. Francisco, Cal.	Ballast	
Leme 2	10	11	Ital.	Italia S. A. N.	Trieste, Italy	Vancouver, B. C.	General	1,632
Pacific Ranger 2	11	11	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General	369
Reina del Pacifico 2	10	11	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile	General	3,185
S-47 7			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-44 7			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Schwaben	11	12	Ger.	North German Lloyd	Hamburg, Ger.	Vancouver, B. C.	General	5,392
Trondhjem 6	8		Brit.	P. T. Browning	Portsmouth, Eng.	Cocos Island	Ballast	
S-45 7			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
S-43 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	
Australian Reefer 2	11	12	Dan.	J. Lauritzen	Liverpool, Eng.	Seattle, Wash.	Ballast	
President de Vogue, 1 2	12	12	Nor.	Comp. des Prod. Chimiques et Raff. de Berre	Marseille, France	Talara, Peru	Ballast	
Mostun 2	12	12	Nor.	Pac. Europe Coast.	Rotterdam, Neth.	S. Francisco, Cal.	Ballast	
Vinland 2	11	13	Nor.	Scand. Soc. Pac. Line	Oslo, Norway	Valparaiso, Chile	General	2,155
Pereira	8	12	Pan.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	469
Yamakaze Maru 2	12	12	Jap.	Yamashita K. Kaisha	Buenos Aires, Arg.	Kobe, Japan	Cotton, gen.	5,139
Patria	12	13	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Valparaiso, Chile	General	5,099
Cerigo	8	13	Ger.	Hamburg-Amer. Line	Cristobal, C. Z.	Guayaquil, Ecua.	General	583
Pirate 3	12		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. 15		20
Retriever 13			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Dunlap 9	13	16	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	Ballast	
Fanning 9	13	16	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	Ballast	
San Marcos	12	13	Amer.	Quaker Line	New York, N. Y.	Seattle, Wash.	General	5,291
Arizona	12	13	Fr.	French Line	Havre, France	Talcahuano, Chile	Iron, gen.	1,389
Nordhval 2	13	13	Dan.	W. J. Trading Co.	New Orleans, La.	Los Angeles, Cal.	Ballast	
Mosfruit 2	13	13	Nor.	M. Mosvold	Goth'burg, Swed.	S. Francisco, Cal.	Ballast	
Kaikoura 2	13	13	Brit.	Mont.-Aust.-N.Z.Line	Montreal, Can.	Adelaide, Aust.	General	6,132
Laurits Swenson 2	13	14	Nor.	Fred Olsen & Co.	Oslo, Norway	Vancouver, B. C.	General	2,783
Steel Navigator	13	13	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Batavia, Java	Steel, gen.	6,655
Eli 2	13	13	Nor.	Anglo-Can. S. S. Co.	Antwerp, Belg.	San Pedro, Calif.	General	1,395
Col. Riche 5			Amer.	U. S. Army	Cristobal, C. Z.	Gamboa, C. Z.	Ballast	
Rotorua	13	14	Brit.	N. Z. Shipping Co.	London, England	Bluff, N. Z.	Iron, gen.	8,658
Golden Cloud	13	14	Amer.	Matson Nav. Co.	Baltimore, Md.	Hilo, T. H.	Sulph., gen.	2,158
S-46 7			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Orotava	14	14	Hond.	United Fruit Co.	Mobile, Ala.	Pto. Arml's, R. P.	Ballast	
Dakotan	14	14	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	3,022
King William 2	14	14	Brit.	B. C. Shipping Co.	Cardiff, Wales	Brit. Columbia	Ballast	
Geddington Court	14	14	Brit.	Canadian Transp. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
King Arthur 2	14	14	Brit.	J. J. Moore	Hull, England	Brit. Columbia	Ballast	
Real 2	13		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona 2	13		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
La Union 2	13		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu 2	13		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Motor Sailer			Amer.	U. S. Navy	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Nathan 2	13		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. 15		
Mayari	14	15	Pan.	United Fruit Co.	Boston, Mass.	Puntarenas, C.R.	R. R. ties	2,901
Santore	14	15	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Point Lobos	15	15	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	Gen., steel	5,409
Pomona	15	15	Amer.	Pac. Coast Dir. Line	New York, N. Y.	Tacoma, Wash.	General	4,919
Irisbank 2	15	15	Brit.	Andrew Weir & Co.	Baltimore, Md.	Shanghai, China	General	2,387
West Nilus	15	15	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Vancouver, B. C.	General	3,232
U. S. Grant 8	15	16	Amer.	U. S. Army	New York, N. Y.	S. Francisco, Cal.	General	267
Marore	15	15	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Santa Maria 2	15	16	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile	General	2,232
Loke 14			Amer.	Oliver Peterson	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Dallas 9	10		Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Aconcagua	16	16	Chile	Cia. Sud. Amer. de Vap.	Hamburg, Ger.	Valparaiso, Chile	General	819
Laila	16	16	Dan.	Wessel, Duval & Co.	New York, N. Y.	Talcahuano, Chile	General	1,821
Trois Ilets	15	16	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	8
L-53 8			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
L-41 8			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Porto Bello 3	16	16	Pan.	A. Tagaropulos	Cristobal, C. Z.	Real, R. P.	General	3
Mataroa	16	17	Brit.	Shaw, Savill & Albion	London, England	Pt. Chalmers, N.Z.	General	3,873
W. S. Rheem 1	15	17	Amer.	Arrow Oil Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
Itmo	15	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	425

1 Tanker. 2 Motor ship. 3 Motor schooner. 5 Launch. 7 Submarine. 8 Transport. 9 Destroyer. 13 Crane.

14 Sailboat. 15 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	Long tons
Felix Taussig....	16	17	Amer.	McCormick S. S. Co.	Philadelphia, Pa.	Seattle, Wash.	General.....	2,850
Dorothy Luckenbach.	17	17	Amer.	Luckenbach Line....	Boston, Mass....	Seattle, Wash.	General.....	5,041
Soloy ²	16	17	Nor.	Erling H. Samuelsen.	Baltimore, Md.	Los Angeles, Cal.	Ballast.....	
Snestad ²	17	17	Nor.	Fern Line.....	New York, N. Y.	Vladivos'ck, Rus.	(19).....	6,751
Nevadan.....	17	17	Amer.	Amer.-Hawaiian Line.	Boston, Mass....	Seattle, Wash.	General.....	3,803
Nero ²	15	17	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.....	57
Bodegraven.....	17	18	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger....	Valparaiso, Chile.	General.....	2,259
Ferncourt ¹	17	18	Nor.	Forenly & Astrup....	Hamburg, Ger....	Talara, Peru.....	Ballast.....	
Mobile City.....	18	18	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Tacoma, Wash.	Steel, gen....	2,436
Hoxbar ¹	18	18	Amer.	Petrol Corp.....	New York, N. Y.	Los Angeles, Cal.	Ballast.....	
Cingalese Prince ²	18	18	Brit.	Prince Line, Ltd.	Boston, Mass....	Saigon, China....	General.....	3,975
Quinenco.....	18	18	Chile.	Schwager Coal Mines.	N. Shields, Eng.	Valparaiso, Chile.	Coal, gen....	2,105
Calmar.....	18	18	Amer.	Calmar Line.....	Baltimore, Md.	Seattle, Wash.	Steel, gen....	6,746
Trevanian ²	18	21	Brit.	Hain S. S. Co.....	Bangkok, Siam.	Queens'd, N.S.W.	Ballast.....	
Helgoy ²	18	18	Nor.	Erling H. Samuelsen.	Halifax, N. S.	Los Angeles, Cal.	Ballast.....	
Fella ²	18	18	Ital.	Italian Line.....	Trieste, Italy.....	Vancouver, B. C.	General.....	1,570
Hi Winni ¹³	18	18	Amer.	F. Wirtz.....	Cristobal, C. Z.	Balboa, C. Z....	Ballast.....	
Dorie Star.....	19	19	Brit.	Shaw, Savill & Albion	London, England	New Zealand.....	General.....	4,742
British Columbia Express. ²	18	19	Nor.	Fruit Express Line...	London, England	Los Angeles, Cal.	Ballast.....	
Chilore.....	19	19	Amer.	Ore S. S. Corp.....	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.....	
Durazzo.....	15	19	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecua.	General.....	139
Lieut. Col. H. C. Schumm. ⁴	18	18	Amer.	U. S. Army.....	Cristobal, C. Z.	Balboa, C. Z....	(17).....	
Acajutla.....	13	20	Brit.	Pacific Steam Nav.Co.	Cristobal, C. Z.	Champ'ico, Guat.	General.....	594
Laguna ²	19	20	Brit.	Pacific Steam Nav.Co.	Hull, England....	Valparaiso, Chile.	General.....	3,084
Nore ¹	19	20	Pan.	Anglo-Saxon Pet. Co.	Newcastle, Eng.	Los Angeles, Cal.	Ballast.....	
Hamakua.....	20	20	Amer.	Matson Nav. Co....	Baltimore, Md.	Honolulu, T. H.	General.....	1,133
Gannet ¹⁰	19	20	Amer.	U. S. Navy.....	Cristobal, C. Z.	Balboa, C. Z....	Ballast.....	
Thrush ¹⁰	19	20	Amer.	U. S. Navy.....	Cristobal, C. Z.	Balboa, C. Z....	Ballast.....	
Mathew Luckenbach.	20	20	Amer.	Luckenbach Line....	Houston, Tex....	Seattle, Wash.	General.....	7,139
H. M. Storey ¹	21	21	Amer.	Standard Oil of Calif.	Havre, France....	Los Angeles, Cal.	Ballast.....	
Tropic Star ²	21	21	Nor.	Chile Nit. Sales Corp.	Savannah, Ga....	Tocopilla, Chile.	Ballast.....	
Nuevo Panama ²	20	21	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Darien, R. P....	Ballast.....	
Anna Maersk ²	21	21	Dan.	Isbrandtsen Moller.	Baltimore, Md.	Manila, P. I....	General.....	6,950
Telde.....	21	21	Hond.	United Fruit Co....	Mobile, Ala.....	Pto. Arm'les, R.P.	Ballast.....	
Arizonan.....	21	21	Amer.	Amer.-Hawaiian Line.	Boston, Mass....	Portland, Oreg....	General.....	2,578
Trondanger ²	21	21	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Portland, Oreg....	Ballast.....	
Neptunian ²	21	21	Brit.	Jefferson Lake Oil Co.	Freeport, Tex....	Newcastle, N.S.W.	Sulphur.....	8,451
Real ²	20	21	Brit.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z....	Ballast.....	
Pirate ⁵	21	21	Pan.	E. J. Hooper.....	Cristobal, C. Z.	Gatun, C. Z. ¹⁵	20	
Nathan ²	20	21	Pan.	E. J. Hooper.....	Cristobal, C. Z.	Gatun, C. Z. ¹⁵	20	
Sambu ²	20	21	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General.....	78
Nurnberg ²	21	22	Ger.	North German Lloyd.	Hamburg, Ger....	Valparaiso, Chile.	General.....	4,463
Lochmonar ²	21	22	Brit.	Royal Mail Lines....	Rotterdam, Neth.	Vancouver, B. C.	General.....	2,609
Ward ²	21	22	Amer.	Amer.-Pioneer Line.	Philadelphia, Pa.	Adelaide, Aust.	General.....	3,266
Trontolite ¹	21	22	Brit.	Imperial Oil Co....	Barranquilla, Col.	B'ventura, Col....	Gasoline.....	3,392
San Calisto ¹	22	22	Brit.	Eagle Oil Co.....	Plymouth, Eng.	Martinez, Calif.	Ballast.....	
Amerikaland ²	22	22	Swed.	Ore S. S. Corp.....	New York, N. Y.	Cruz Gr'de, Chile	Ballast.....	
Greystoke Castle ⁴	22	22	Brit.	Barber Line.....	New York, N. Y.	Yawata, Japan....	(18).....	5,144
Athelsultan ¹	22	22	Brit.	Assan Bussan & Co.	London, England	Los Angeles, Cal.	Ballast.....	
J-62 ⁵	22	23	Amer.	U. S. Army.....	Cristobal, C. Z.	Gatun, C. Z....	Ballast.....	
Harvester ¹	22	23	Amer.	Texas Oil Co.....	Pt. Arthur, Tex.	Los Angeles, Cal.	(19).....	8,245
Pennsylvania.....	23	23	Amer.	Pac. Coast Direct Line	Norfolk, Va....	Los Angeles, Cal.	(20).....	3,521
Trois Ilets.....	22	23	Fr.	French Line.....	Cristobal, C. Z.	B'ventura, Col....	Ballast.....	
Service ⁵	23	23	Amer.	U. S. Army.....	Cristobal, C. Z.	Gatun, C. Z....	Ballast.....	
Porto Bello ²	23	23	Pan.	A. Tagaropoulos....	Cristobal, C. Z.	Real, R. P....	General.....	3
Leikanger.....	23	24	Nor.	Westfal, Larsen & Co.	Buenos Aires, Arg.	Vancouver, B. C.	General.....	4,613
Istmo.....	22	24	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col....	Gasol'e, gen.	720
Franz Klasen ¹	24	24	Pan.	W. Tankschiff Rhed'.	Hamburg, Ger....	Talara, Peru.....	Ballast.....	
Williamette Valley ²	24	24	Brit.	Australian Disp. Line.	Falmouth, Eng.	Brit. Columbia	Ballast.....	
Brimanger ²	24	24	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.....	
Dalhanna.....	24	24	Brit.	Anglo-Can. S. S. Co.	Barry, England.	Vancouver, B. C.	Ballast.....	
Gretavalle.....	24	24	Brit.	Chile Nit. Sales Corp.	Alexandria, Egypt	Valparaiso, Chile.	Cotton seed.	4,500
Bogota ²	24	24	Ger.	North German Lloyd.	Barranquilla, Col.	Guayaquil, Ecua.	(21).....	523
Miramar ⁵	23	23	Pan.	C. J. Samuels.....	Cristobal, C. Z.	Gatun, C. Z....	(22).....	
No. 3680 ¹⁴	23	23	Pan.	C. J. Samuels.....	Cristobal, C. Z.	Gatun, C. Z....	Bananas.....	
Lieut. Col. H. C. Schumm. ⁴	23	23	Amer.	U. S. Army.....	Cristobal, C. Z.	Balboa, C. Z....	(23).....	
City of Los Angeles	24	25	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.....	3,135
Misoa ¹	24	25	Brit.	Lago Shipping Co....	Aruba, N. W. I.	Balboa, C. Z....	Drydocking.	
Kim ²	24	27	Rus.	U. S. S. Republics.	Leningrad, Rus.	Nogaew, Russia.	General.....	5,447
Nagara Maru ²	24	25	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Kobe, Japan.....	Gas, steel....	8,335
Moveria ²	24	25	Brit.	Donaldson Brothers.	Glasgow, Scot....	Vancouver, B. C.	General.....	938

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ¹⁰ Mine sweeper. ¹³ Sailboat. ¹⁴ Barge.
¹⁵ For bananas and return to Cristobal. ¹⁶ Scrap iron, tinplate. ¹⁷ Towing barge No. 205. ¹⁸ General, scrap steel.
¹⁹ Gasoline and petroleum products. ²⁰ Oil, steel, general. ²¹ General, flour, gasoline, etc. ²² Towing barge No. 3680.
²³ Towing barge No. 45.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Clio ²	16	25	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	157
Marija Petronovic	24	25	J-Slav.	Chile Nit. Sales Corp.	Terneuzen, Neth.	Tocopilla, Chile.	Ballast	
Viking Star	25	25	Brit.	Blue Star Line	London, England	Vancouver, B. C.	Ballast	
J. L. Luckenbach	25	25	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,620
Kongsgaard ^{1 2}	24	25	Nor.	Skibssaksjesels	Killingholme, Eng.	Estero Bay, Cal.	Ballast	
Port Townsville ²	25	25	Brit.	Port Line	Liverpool, Eng.	N. Plymouth, N.Z.	General	6,979
Pacific Grove ²	25	26	Brit.	Furness, Withy & Co.	Manchester, Eng.	Portland, Oreg.	General	333
Elisabeth Bakke ²	26	26	Nor.	Knutsen Line	Goth'burg, Swed.	Vancouver, B. C.	Ballast	
Santa Rita ²	25	27	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile.	General	1,528
Sidney M. Hauptman	26	29	Amer.	McCormick S. S. Co.	Norfolk, Va.	Seattle, Wash.	General	4,463
Minerva ²	26	26	Nor.	Chile Nit. Sales Corp.	Tampa, Fla.	Tocopilla, Chile.	Ballast	
Knoxville City	26	26	Amer.	Isthmian S. S. Lines	Portland, Me.	Seattle, Wash.	Gen., steel	3,583
Steelore	26	26	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Missourian ²	26	26	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Tacoma, Wash.	General	3,420
Ferndale ²	27	27	Nor.	Fern Line	Mobile, Ala.	Moji, Japan.	General	7,131
Buenos Aires ²	26	28	Swed.	Johnson Line	Limhamn, Swed.	Valparaiso, Chile.	General	757
Kentuckian	27	27	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Seattle, Wash.	General	4,093
Vancouver	26	27	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Vancouver, B. C.	General	4,697
Scottish Star	27	27	Birt	Blue Star Line	Newcastle, Eng.	Vancouver, B. C.	Ballast	
Nyhorn ²	27	27	Nor.	Knutsen Line	Belfast, Ireland.	Vancouver, B. C.	Ballast	
Tilsington Court	27	27	Brit.	Seaboard Ship. Co.	Cardiff, Wales	Vancouver, B. C.	Ballast	
San Simeon	26	28	Amer.	Quaker S. S. Line	Jacksonville, Fla.	San Diego, Calif.	General	4,155
Norman Monarch	27	28	Brit.	Canadian Transp. Co.	Botwood, Nfld.	Tacoma, Wash.	Concentrate	8,009
Arimasan Maru ²	27	28	Jap.	Mitsui B. Senpakubai	Philadelphia, Pa.	Moji, Japan.	General	8,201
Stensby	27	28	Dan.	A/S Motortramp	Cardiff, Wales	Vancouver, B. C.	Ballast	
Orotava	28	28	Hond.	United Fruit Co.	Mobile, Ala.	Pto. Arm'les, R. P.	Ballast	
Ferndiff ²	28	28	Nor.	Chile Nit. Sales Corp.	Savannah, Ga.	Iquique, Chile.	Ballast	
Trois Ilets	27	28	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	27
Yamabiki Maru	28	28	Jap.	Yamashita K. Kaisha	Buenos Aires, Arg.	Kobe, Japan.	Cotton, tin.	1,983
Wisconsin	27	28	Fr.	French Line	Havre, France	Vancouver, B. C.	General	2,737
Sambu ²	26		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real ²	26		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
La Union ²	26		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tuira ²	26		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Orduna	28	29	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile.	General	1,269
Point Chico	28	29	Amer.	Gulf-Pacific Line	Houston, Tex.	Seattle, Wash.	General	5,556
Kiyokawa Maru ²	28	29	Jap.	Kawasaki K. Kaisha	New York, N. Y.	Kobe, Japan.	Gen., cotton	8,745
Panamam	29	29	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,448
Rangitiki ²	29	30	Brit.	N. Z. Shipping Co.	London, England	Wellington, N. Z.	General	5,482
Ridley ²	29	29	Brit.	W. F. Rountree Co.	Mobile, Ala.	Yokohama, Japan	Pig iron	8,500
Hartismere	29	29	Brit.	J. & C. Harrison.	Tyne, England	Vancouver, B. C.	Ballast	
Ellin	28	29	Greek	S. G. Embiricos	Rotterdam, Neth.	Brit. Columbia	Ballast	
Armadae ²	29	29	Brit.	Amer.-Australian Line	New York, N. Y.	Sydney, Aust'lia	General	3,620
Santa Lucia	29	30	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,719
Colombia ²	29	30	Swed.	Johnson Line	Goth'burg, Swed.	Vancouver, B. C.	General	2,298
Evita ^{1 2}	29	30	Nor.	Iino Shoji Kaisha	Texas City, Tex.	Dairen, China	Av. gasoline	8,748
Olympia Maru ²	30	30	Jap.	Mitsubishi Trad. Co.	Philadelphia, Pa.	Kobe, Japan	(¹⁴)	8,405
Amerika ²	30	30	Dan.	East Asiatic Co.	Copenhagen, Den	Vancouver, B. C.	General	383
Sona ²	29		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Porto Bello ³	30	30	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. F.	General	3
Nitro ¹³	29	5	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	General	2,803
John Cabot	29	1	Brit.	Grace Line	San Juan, P. R.	Champ'ico, Guat.	General	887
Leise Maersk ²	30	1	Dan.	A. P. Moller	Habana, Cuba.	San Diego, Calif.	Ballast	
Everleigh	30	1	Brit.	Atl. Ship. & Trading	Barry, England	North Pacific	Ballast	
Angle Canadian ²	30	1	Brit.	Lawther, Latta & Co.	Liverpool, Eng.	Brit. Columbia	Ballast	
J. H. Senior ^{1 2}	1	1	Pan.	Standard Oil of N. J.	New York, N. Y.	Talara, Peru	Ballast	
Ino ²	23	1	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	260
Canonesa	1	1	Brit.	Furness-Pacific Line	Liverpool, Eng.	Vancouver, B. C.	Ballast	
City of San Francisco	1	2	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	2,515
Istmo	30	1	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	280
American Robin	1	1	Amer.	McCormick S. S. Co.	Albany, N. Y.	Tacoma, Wash.	(¹⁵)	3,846
Vermar	1	1	Amer.	Calmar Line	Philadelphia, Pa.	Seattle, Wash.	Steel, gen.	5,495
Goslar	1	2	Ger.	North German Lloyd	Tampico, Mexico	Brisbane, Aust'lia	Asphalt, gen.	7,978
Alaskan	1	2	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	3,645
Winona	2	2	Amer.	Weyerhaeuser S. S. Co.	New York, N. Y.	Tacoma, Wash.	General	2,933
El Ciervo ¹	2	2	Brit.	R. Peracca	Trinidad, B.W.I.	La Libertad, Ecua	Ballast	
Timber Rush	2	2	Amer.	Shepard S. S. Co.	Boston, Mass.	Tacoma, Wash.	General	5,355
Helga	1	2	Dan.	J. Lauritzen	New York, N. Y.	Talcahuano, Chile	General	1,741
Nero ²	1	2	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Balboa, C. Z.	Drydocking	
Silvertask	2	2	Brit.	Kerr S. S. Co.	New York, N. Y.	Hongkong, China	General	5,996
Erviken	2	3	Nor.	Dant & Russell	New York, N. Y.	Los Angeles, Cal.	Ballast	
Hertford	2	3	Brit.	Fed. Steam Nav. Co.	Glasgow, Scot.	Brisbane, Aust'lia	General	5,063
Steel Age	2	3	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Seattle, Wash.	Steel, gen.	3,010
California Express ²	3	3	Nor.	Fruit Express Line	London, England	Seattle, Wash.	Ballast	
Thalatta ²	3	3	Nor.	W. Wilhelmsen Line	Mobile, Ala.	Moji, Japan	(¹⁶)	8,650

¹ Tanker. ² Motor ship. ³ Motor schooner. ¹³ Auxiliary. ¹⁴ Pig iron and machinery. ¹⁵ Steel, sand, general.
¹⁶ Pig iron, rosin.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Eleni Stathatos	3	3	Greek	General S. S. Corp.	Cardiff, Wales	S. Francisco, Cal.	Ballast	
Duala 2	3	3	Nor.	East Asiatic Co.	Goth'burg, Swed.	Seattle, Wash.	Ballast	
San Anselmo	3	3	Amcr.	Quaker Line	New York, N. Y.	Tacoma, Wash.	General	5,347
F. J. Luckenbach	3	3	Amcr.	Luckenbach Line	New Orleans, La.	Seattle, Wash.	General	7,916
Thistleford	3	4	Brit.	Andrew Weir & Co.	Barry, England	Brit. Columbia	Ballast	
Lewis Luckenbach	3	4	Amcr.	Luckenbach Line	Providence, R. I.	Seattle, Wash.	General	4,997
Kaimata 2	3	4	Brit.	Mont.-Aust.-N.Z. Line	Montreal, Canada	Bluff, N. Zealand	General	6,327
Castor 1 2	4	4	Swed.	Standard Oil Co.	Caripito, Venez.	Tocopilla, Chile.	(14)	13,041
Mokihana	4	4	Amcr.	Matson Nav. Co.	Baltimore, Md.	Honolulu, T. H.	General	1,121
Montevideo Maru 2	4	5	Jap.	Osaka Syosen Kaisya	Buenos Aires, Arg.	Kobe, Japan	General	4,409
El Oso 1	4	5	Brit.	C. T. Bowring & Co.	Ellesmere, Eng.	La Libertad, Ecua.	Ballast	
Quito 2	1	4	Ger.	North German Lloyd	Cartagena, Col.	Guayaquil, Ecua.	General	536
Hoegh Carrier 2	4	5	Nor.	A/S Arnstein	Liverpool, Eng.	Los Angeles, Cal.	Ballast	
Salvador	27	4	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champico, Guat.	General	727
Uffington Court	4	5	Brit.	Canadian Transp. Co.	Montreal, Canada	Vancouver, B. C.	General	4,444
Vibran 2	5	5	Nor.	Knutson Line	Liverpool, Eng.	Los Angeles, Cal.	Ballast	
Scottish Heather 1	5	5	Brit.	Standard Oil of N. J.	Aruba, N. W. I.	Iquique, Chile	Fuel oil	10,223
Sofie Bakke 2	5	5	Nor.	Knut Knutsen, O.A.S.	Belfast, Ireland	Vancouver, B. C.	Ballast	
Nuevo Panama 2	4	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm's, R.P.	General	180
Birmingham City	5	6	Amcr.	Isthmian S. S. Lines	Baltimore, Md.	Hilo, T. H.	Steel, gen.	2,210
Real 2	5	6	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Miramar 5	5	6	Pan.	C. J. Samuels	Cristobal, C. Z.	Gatun, C. Z.	Tow barge	
No. 3680 13	5	6	Pan.	C. J. Samuels	Cristobal, C. Z.	Gatun, C. Z. 15		10
Crusader 13	5	6	Amcr.	A. K. Macomber	Sampton, Eng.	Galapagos Is.	Ballast	
Bennecom	3	6	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	1,664
Oregonian	6	6	Amcr.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,204
Carlton	6	6	Brit.	Empire Ship. Co.	Barry, England	S. Francisco, Cal.	Ballast	
Osnabruck 2	5	6	Ger.	North German Lloyd	Bremen, Germany	Valparaiso, Chile	General	4,105
Santa Barbara 2	6	7	Amcr.	Grace Line	New York, N. Y.	San Antonio, Chile	General	1,869
Primero 2	6	7	Nor.	W. F. Rountree Co.	Mobile, Ala.	Yokohama, Japan	Pig iron	7,200
Havelland 2	6	7	Ger.	Hamburg-Amer. Line	New Orleans, La.	Cebu, P. I.	General	8,559
Benj. Franklin 2	6	7	Nor.	Fred Olsen & Co.	Oslo, Norway	Vancouver, B. C.	General	2,905
Tokai Maru 2	6	7	Jap.	Osaka Syosen Kaisya	Hamburg, Ger.	Dairen, China	(16)	7,567
Tatuno Maru	7	7	Jap.	Nippon Yusen Kaisya	New Orleans, La.	Kobe, Japan	Gen., rosin	8,509
Tai Yang 2	7	7	Nor.	Barber-Wilhelmsen	Philadelphia, Pa.	Moji, Japan	General	5,888
Vestvad 2	7	7	Nor.	Hasegawa Boeki K.	Baltimore, Md.	Yokohama, Japan	Scrap iron	7,000
Ammon	7	8	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Valparaiso, Chile	General	6,658
Porto Bello 3	7	7	Pan.	A. Tazaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Nathan 2	7	7	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. 15		20
City of Norfolk	8	8	Amcr.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	1,882
Drechtijk 2	7	8	Neth.	N. Pac. Coast Line	Rotterdam, Neth.	Vancouver, B. C.	General	1,094
Lillian Luckenbach	7	8	Amcr.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	2,930
Alphard 2	8	8	Neth.	Van Nievell Gondrian	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Trois Ilets	3	8	Fr.	French Line	Cristobal, C. Z.	Manta, Ecuador	Ballast	
Kansan	8	8	Amcr.	Amer.-Hawaiian Line	Baltimore, Md.	Seattle, Wash.	General	3,296
Charles R. McCormick	8	8	Amcr.	McCormick S. S. Co.	Norfolk, Va.	Los Angeles, Cal.	General	3,704
Fernwood 2	8	8	Nor.	Hasegawa Kaisha	Boston, Mass.	Yawata, Japan	Scrap iron	7,599
Nero 2	8	8	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	70
Cordillera	7	8	Brit.	Donaldson Line	Glasgow, Scot.	Vancouver, B. C.	Ballast	
Cerigo	7	9	Ger.	Hamburg-Amer. Line	Barranquilla, Col.	B'ventura, Col.	Gen., gasoline	410
Fordsdale	8	9	Brit.	Shaw, Savill & Albion	London, England	Nelson, N. Z.	General	9,475
Miram 5	7	9	Pan.	C. J. Samuels	Cristobal, C. Z.	Gatun, C. Z.	Tow barge	
No. 3680 13	7	9	Pan.	C. J. Samuels	Cristobal, C. Z.	Gatun, C. Z. 15		10
Eridan 2	8	9	Fr.	Messageries Marit'ies	Marseille, France	Noumea, N. Caled.	General	1,579
Rugeley 2	8	9	Brit.	Mont.-Aust.-N.Z. Line	Pt. Alfred, Can.	Brisbane, Aust.	Newsprint	5,555
Sally Maersk 2	8	9	Dan.	A. P. Moller	New York, N. Y.	Moji, Japan	Scrap iron	4,566
Clio 2	9	9	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	50
Steelmaker	9	9	Amcr.	Isthmian S. S. Lines	Portland, Me.	Seattle, Wash.	Steel, gen.	2,467
Hoegh Merchant 2	8	9	Nor.	Leif Hoegh	Liverpool, Eng.	Vancouver, B. C.	Ballast	
Ulm 2	9	10	Ger.	North German Lloyd	Bremen, Germany	Los Angeles, Cal.	General	655
Santa Clara Valley 2	9	9	Brit.	Mitsubishi Shoji K.	Pt. Tampa, Fla.	Fushiki, Japan	(17)	8,118
San Francisco	8	9	Fr.	French Line	Havre, France	Vancouver, B. C.	(18)	815
Primaire 1	8	9	Fr.	Co. Nac. de Nav.	Marseille, France	Talara, Peru	Ballast	
Taranger 2	9	9	Nor.	Intercean S.S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Olaf Berg	9	10	Nor.	LongIs. Mach. & Equip	Norfolk, Va.	Kobe, Japan	(19)	8,008
Gen. Wm. M. Graham 11	9	10	Amcr.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Devon City 2	9	10	Brit.	Mitsubishi Shoji	Mobile, Ala.	Osaka, Japan	Pig iron	9,075
Portmar	9	10	Amcr.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	6,874
Parthenia	10	10	Brit.	Donaldson Bros.	Glasgow, Scotland	Portland, Oreg.	General	859
Bagaduce 4	30	10	Amcr.	U. S. Navy	Guantanamo, Cuba	San Diego, Cal.	Ballast	
YT-129 13	30	10	Amcr.	U. S. Navy	Guantanamo, Cuba	San Diego, Cal.	Ballast	
Nuevo Panama 2	9	10	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	250
Trinity 1	7	11	Amcr.	U. S. Navy	Houston, Tex.	San Diego, Cal.	Gen., oil	

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ⁶ Yacht. ¹¹ Mine planter ¹³ Barge ¹⁴ Diesel and fuel oil. ¹⁵ For bananas and return to Cristobal, C. Z. ¹⁶ Machinery and general. ¹⁷ Scrap steel, coke. ¹⁸ Iron, steel, chalk. ¹⁹ Scrap iron, steel.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Barendrecht ^{1 2}	10	10	Neth.	W. Tankschiff Rhed'.	Jarrow, England.	Talara, Peru	Ballast	
Toho Maru ^{1 2}	10	10	Jap.	Lino Shoji Kaisha	Puerto Mexico.	Yokohama, Japan	Fuel oil	10,677
Bethore	10	10	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Pereira	3	10	Pan.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	560
Manizales	9	10	Ger.	North German Lloyd.	Cartagena, Col.	Guayaquil, Euea.	General	250
Californian	9	11	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General	3,187

PACIFIC TO ATLANTIC

Point Brava	11	11	Amer.	Swayne & Hoyt	Portland, Oreg.	Mobile, Ala.	Lumber, gen.	6,220
Pennsylvania	11	11	Amer.	Amer.-Hawaiian Line.	Tacoma, Wash.	Boston, Mass.	General	6,766
Emergency Aid	11	11	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	7,362
Tainui	11	11	Brit.	Shaw, Savill & Albion	Auckland, N. Z.	London, England	Frozen, gen.	3,923
Socrates ²	11	11	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	4,285
Roda	11	12	Ger.	Hamburg-Amer. Line.	Coronel, Chile	Hamburg, Ger.	General	7,484
Lara	11	12	Amer.	Grace Line	Talcahuano, Chile	Baltimore, Md.	(14)	3,604
Thorstrand ²	12	12	Nor.	Fred Olsen Line	Los Angeles, Cal.	Liverpool, Eng.	(15)	1,765
Thistle Glen	12	12	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Rotterdam, Neth.	(16)	7,750
Ferncliff ²	12	12	Nor.	Chile Nit. Sales Corp.	Ant'fagasta, Chile	Savannah, Ga.	Nitrate	7,746
Bachaquero ¹	9-2	12	Brit.	Lago Shipping Co.	Balboa, C. Z.	Aruba, N. W. I.	Ballast	
City of San Francisco	12	13	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General	6,500
Sawokla ²	12	13	Amer.	Roosevelt S. S. Co.	Shanghai, China.	Philadelphia, Pa.	General	7,511
Salty Bill ⁵	12	13	Amer.	R. M. Turner	Balboa, C. Z.	Miraflores Lake.	Ballast	
Lihue	9	13	Amer.	Matson Nav. Co.	Hilo, T. H.	Baltimore, Md.	(17)	7,494
Pacific Exporter	12	13	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General	9,035
Maravi	13	13	Pan.	United Fruit Co.	Puntarenas, C. R.	Pto. Castilla, Hon.	Ballast	
Kahuku	13	13	Amer.	Matson Nav. Co.	Honolulu, T. H.	New York, N. Y.	(18)	7,905
Acajutla	13	20	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	General	733
Rangitata ²	13	13	Brit.	N. Z. Shipping Co.	Auckland, N. Z.	London, England	Frozen, gen.	5,309
Santa Lucia	13	14	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	5,926
District of Columbia	13	14	Amer.	Anglo-Amer. Oil Co.	El Segundo, Calif.	Avonmouth, Eng.	Gasoline	9,347
Porto Bello ²	13	13	Pan.	A. Tagaropoulos	Darien, R. P.	Cristobal, C. Z.	(19)	9
La Union ²	13	14	Pan.	A. A. Valdes	Bayano, R. P.	Cristobal, C. Z.	Bananas	31
Real ²	13	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	23
Sona ²	13	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	26
Sambu ²	13	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	47
Winslow ⁵	13	13	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow, barge.	
Aldington Court ²	13	13	Brit.	Anglo-Can. S. S. Co.	Portland, Oreg.	Liverpool, Eng.	(20)	8,540
Chulmleigh	13	13	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Liverpool, Eng.	Lum., grain.	9,464
Baron Newlands	13	14	Brit.	Hogarth Ship. Co.	Paita, Peru	Dunkerque, Fr.	Bird guano.	5,300
San Pedro	14	15	Fr.	French Line	Seattle, Wash.	Rotterdam, Neth.	(21)	6,107
Trois Ilets	14	16	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.		317
Sessa	15	15	Dan.	Wessel, Duval & Co.	Valparaiso, Chile.	New York, N. Y.	Ore, general.	2,775
El Aleto ^{1 2}	14	15	Brit.	C. T. Bowring & Co.	Cabo Bl'co, Peru.	Ellesmere, Eng.	Crude oil	10,481
Nero ²	15	17	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee	21
Durazzo	15	19	Ger.	Hamburg-Amer. Line.	Guayaquil, Euea.	Cristobal, C. Z.	Coffee, gen.	746
Norden ²	15	15	Dan.	Kawasaki K. Kaisha	Iloilo, P. I.	Houston, Tex.	General	6,475
Miss C. B. ²	15	16	Brit.	Sanabria Mines, Ltd.	Tumaco, Colom.	Cristobal, C. Z.	Passengers	
Istmo	15	17	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	709
Nozima Maru ²	15	16	Jap.	Nippon Yusen Kaisha	Keelung, Formosa	New York, N. Y.	General	8,545
William Luckenbach	16	16	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	8,422
San Clemente	16	16	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,838
West Cape	16	16	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	7,046
Pan Florida ¹	16	17	Amer.	Pan Amer. Pet. Tr. Co.	Pt. S. Luis, Calif.	Baltimore, Md.	Crude oil	12,494
Clio ²	16	17	Neth.	Royal Neth. S. S. Co.	Guayaquil, Euea.	Cristobal, C. Z.	(22)	514
Baron Dunmore	16	17	Brit.	Potter Cord, Inc.	China Is., Peru.	Tampa, Fla.	Guano	6,300
L-53 ²	17	17	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow, barge.	
Chattanooga City	16	17	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Avonmouth, Eng.	General	8,158
Washington	16	17	Amer.	Weyerhaeuser S.S. Co.	S. Francisco, Cal.	Newark, N. J.	(23)	7,126
Janeta	17	17	Fr.	Maclay & McIntyre	Suva, Fiji Islands	United Kingdom.	Raw sugar	7,839
Alabama	17	18	Fr.	French Line	Valparaiso, Chile.	Havre, France.	General	7,985
Orotava	17	17	Hond.	United Fruit Co.	Pto. Arm Is., R.P.	Mobile, Ala.	Bananas	1,060
Nonsuco ²	17	17	P. I.	Nor. Negro Sugar Co.	Victorius, P. I.	New York, N. Y.	Raw sugar	8,636
Virginian	16	17	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	9,160
Nidardal	17	18	Nor.	Shepard Ship Owners Co.	Tumaco, Colom.	Manauca, Colom.	Ballast	
Sage Brush	17	17	Amer.	Stearns S. S. Co.	Tacoma, Wash.	Boston, Mass.	Lumber, gen.	8,190
Darlington Court ²	17	17	Brit.	Canadian Transp. Co.	Vancouver, B. C.	London, England	General	8,300
Florence Luckenbach	18	18	Amer.	Luckenbach Line	Everett, Wash.	Mobile, Ala.	Shingles, gen.	4,061
Loriga ²	18	18	Brit.	Pacific Steam Nav. Co.	Talcahuano, Chile	Liverpool, Eng.	General	8,128
Margrethe Bakke ²	18	18	Nor.	Knutsen Line	N. Westm'er, B.C.	Belfast, Ireland	General	7,473
Flomar	19	19	Amer.	Calmar Line	Seattle, Wash.	Philadelphia, Pa.	Lumber	6,671

¹ Tanker. ² Motor ship. ⁵ Launch. ¹⁴ Cane concentrates, horses. ¹⁵ Fresh and dried fruit. ¹⁶ Wheat, barley, lumber. ¹⁷ Sugar, pineapples, canec. ¹⁸ Canned pineapples. ¹⁹ Plantains, lumber. ²⁰ Lumber, wheat, barley. ²¹ Wheat, fruit, general. ²² Tagua, cacao, coffee. ²³ Lumber, pulp, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Lieut. Col. H. C. Schumm. ⁴	18	19	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Kupa	18	19	Y-Slav	Prakomorska Plovda	San Antonio, Chile	Marseille, France	Beans, sulph.	7,700
Azumasen Maru ²	19	19	Jap.	Mitsui Bussan Kaisha	Saigon, China	New York, N. Y.	General.	7,958
Bengal Maru	19	19	Jap.	Nippon Yusen Kaisha	Yokohama, Japan	Liverpool Eng.	Can. salmon.	5,646
Berganger ²	19	19	Nor.	Interocean S. S. Corp.	Portland, Oreg.	London, England	(¹³)	7,933
Kansai Maru ²	19	20	Jap.	Osaka Shosen Kaisha	Bais, P. I.	Baltimore, Md.	Sugar, oil, gen.	7,945
President de Vogue. ^{1 2}	19	19	Nor.	Cia. des Prod. Chim. et Raff.	Talara, Peru	Pt. de Bouc, Fr.	Crude oil.	13,696
City of Norfolk	19	20	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General.	3,605
Sea Dog ⁵	19		Amer.	R. M. Jones	Balboa, C. Z.	Miraflores Lake.	Ballast.	
Cape Sable	19	20	Brit.	Lyle Shipping Co.	Tocopilla, Chile.	Alexandria, Egypt	Nitrate.	7,000
Nuevo Panama ²	20	21	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	64
Wildwood	19	20	Amer.	Amer.-For. S. S. Corp.	Pt. Angeles, Wash.	New York, N. Y.	Lumber.	9,000
Waimana	19	20	Brit.	Shaw, Savill & Albion	Bowen, Queens'd	London, England	Frozen, gen.	7,487
Santa Barbara ²	20	20	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General.	3,961
Commissaire Ramel.	20	21	Fr.	Messageries Marit'es.	Noumea, N. Caledonia.	Marseille, France	(¹⁴)	5,433
Yamazaki Maru ²	20	20	Jap.	Yamashita K. Kaisha	Manila, P. I.	Buenos Aires, Arg.	(¹⁵)	5,641
K. I. Luckenbach	20	20	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,166
Santos ²	20	21	Swed.	Johnson Line.	Valparaiso, Chile.	Goth'burg, Swed.	(¹⁶)	6,280
Real ²	19	21	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	33
Porto Bello ²	20	20	Pan.	A. Tagaropoulos	Darien, R. P.	Cristobal, C. Z.	(¹⁸)	6
Sambu ²	20	21	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	30
Mexican	20	21	Amer.	Amer.-Hawaiian Line.	Tacoma, Wash.	Boston, Mass.	Lumber, gen.	9,923
Karnak	20	21	Ger.	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger.	General.	7,719
American	21	21	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General.	6,509
Boulderpool	21	21	Brit.	Canadian Transp. Co.	Victoria, B. C.	Antwerp, Belgium	Wheat, lum.	8,040
Theofano Livanos	21	22	Greek	Chile Nit. Sales Co.	Tocopilla, Chile.	Azores ¹⁷	Nitrate.	8,800
Ewa	21	22	Amer.	Matson Nav. Co.	Hilo, T. H.	Baltimore, Md.	(¹⁹)	8,225
Quito ²	21	28	Ger.	Hapag-Lloyd.	Guayaquil, Equa.	Cristobal, C. Z.	(²⁰)	1,212
Smaraad	22	24	Nor.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General.	308
Delftdijk ²	22	23	Neth.	Nor. Pac. Coast Line.	Victoria, B. C.	Rotterdam, Neth.	General.	9,769
Trois Ilets	22	23	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	239
Istmo	22	24	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	227
Chickasaw City	22	22	Amer.	Isthmian S. S. Lines.	Port Allen, T. H.	Baltimore, Md.	(²¹)	7,931
D. G. Schofield ¹	22	22	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Providence, R. I.	Asphalt	10,745
S-44 ⁷	22		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Canadian Constructor.	21	22	Brit.	M. A. N. Z. Line.	Auckland, N. Z.	Montreal, Canada	General.	3,543
Chr. Knudsen	22	22	Nor.	Canadian Transp. Co.	Portland, Oreg.	Rotterdam, Neth.	(²²)	7,860
Bethore	23	23	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore.	21,200
San Ambrosio ²	22	23	Brit.	Eagle Oil & Ship. Co.	Los Angeles, Cal.	United Kingdom.	Gasoline	10,523
Deroche ¹	22	24	Amer.	Union Oil Co. of Cal.	Los Angeles, Cal.	Pasadena, N. J.	(²³)	6,291
Lieut. Col. H. C. Schumm. ⁴	23	24	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Kollgrim ^{1 2}	23	23	Nor.	Odd Berge Tankrederi	S. Francisco, Cal.	Curacao, N. W. I.	Kerosene dis.	12,239
Erria ²	23	23	Dan.	Odd Asiatic Co.	Vancouver, B. C.	Copenhagen, Den.	General.	6,873
Santa Isabel ²	23	24	Nic.	Bernabe Guerrero	Corinto, Nic.	Bluefields, Nic.	Sugar	50
Ino ²	23		Neth.	Royal Neth. S. S. Co.	Guayaquil, Equa.	Cristobal, C. Z.	(²⁰)	515
Point Ancha	24	24	Amer.	Swayne & Hoyt	Seattle, Wash.	New Orleans, La.	General.	4,994
Charleston ¹²	24		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Telde	24	24	Hond.	United Fruit Co.	Pto. Arm'les, R. P.	Mobile, Ala.	Bananas	890
Jefferson Myers.	24	25	Amer.	Quaker Line.	S. Francisco, Cal.	Albany, N. Y.	General.	8,701
Minnesotan.	25	25	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General.	6,816
Coloradan	25	25	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	8,009
Cape Horn ²	24	25	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Newcastle, Eng.	Lumber, gen.	9,250
Arna ²	25	25	Nor.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Boston, Mass.	Lumber.	7,180
Svealand ²	25	26	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore.	22,300
Brynje ²	25	26	Nor.	Canadian Transp. Co.	Vancouver, B. C.	Rotterdam, Neth.	Lumber, gen.	6,650
Santa Inez ²	25	26	Amer.	Grace Line	Chanaral, Chile.	New York, N. Y.	General.	2,952
Cornwall	26	26	Brit.	Fed. Steam Nav. Co.	Lyttleton, N. Z.	Glasgow, Scotland	Frozen, gen.	7,246
Mayari.	26	26	Pan.	United Fruit Co.	Puntarenas, C.R.	Boston, Mass.	Ballast	
Ferncourt ^{1 2}	26	26	Nor.	Petrofina, Brussels.	Talara, Peru	Dunkerque, Fr.	Crude oil.	14,290
Point Salinas.	26	26	Amer.	Swayne & Hoyt	Seattle, Wash.	Panama City, Fla.	Lumber, gen.	6,145
Gypsum Prince.	26	27	Brit.	Baker & Co.	Pisco, Peru.	Jacksonville, Fla.	Guan.	5,500
Galaxias.	26	27	Greek.	Luis & Dreyfus Co.	Cairns, Australia.	Canada.	Corn	6,990
Pacific Reliance ²	27	27	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General.	7,069
Salvador	27	4	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	General.	240
Walter A. Luckenbach.	27	27	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	General.	8,973
Modavia ²	27	27	Brit.	Donaldson Line.	Vancouver, B. C.	Glasgow, Scotland	Fruit, gen.	5,545
Tai Shan ²	27	28	Nor.	Barber Line	Dahican Bay, P. I.	Baltimore, Md.	(²⁴)	8,729
Thrush ⁴	27		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Trois Ilets	27	28	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	183
Porto Bello ²	26	27	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	Lumber.	4

¹ Tanker. ² Motor ship. ⁴ Tug. ⁵ Launch. ⁷ Submarine. ¹² Cruiser. ¹³ Wheat, lumber, fruits. ¹⁴ Copra, coffee, nickel. ¹⁵ Silk, sugar, general. ¹⁶ Sulphate, bran, general. ¹⁷ For orders. ¹⁸ Lumber, plantains. ¹⁹ Sugar, canned pineapples. ²⁰ Coffee, cacao, nuts. ²¹ Sugar, cane, pineapples. ²² Grain, lumber, general. ²³ Solvent, kerosene, Diesel oil. ²⁴ Lumber, sugar, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Real ²	26	28	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	20
Tuira ²	27	28	Pan.	J. Laffargue	Darien, R. P.	Cristobal, C. Z.	Bananas	40
La Union ²	27	28	Pan.	A. A. Valdes	Bayamo, R. P.	Cristobal, C. Z.	Bananas	18
Sambu ²	27	28	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	21
Pennsylvania Sun, ¹ ²	28	28	Amer.	Sun Oil Co.	El Segundo, Cal.	Marcus Hook, Pa.	Gasoline	17,426
W. H. Berg ¹	27	28	Amer.	Standard Oil of Cal.	Richmond, Calif.	Hamburg, Ger.	Gasoline	11,280
Firmore.....	28	28	Amer.	Ore S. S. Corp.	Vruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,850
Hegira.....	28	28	Amer.	Weyerhaeuser S.S. Co.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	10,172
Chilean Reefer ²	28	28	Dan.	J. Lauritzen	Portland, Oreg.	Glasgow, Scotland	Fruit	1,100
City of Baltimore.....	27	29	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General	5,888
Pop Eye ⁵	28	29	Amer.	J. E. Baxendale	Balboa, C. Z.	P. Miguel, C. Z.	Ballast	.....
York ¹²	28	29	Brit.	British Government	San Diego, Calif.	High seas	.....	.....
Alabama.....	29	29	Amer.	Amer.-Hawaiian Line.	Portland Oreg.	Boston, Mass.	General	6,900
African Reefer ²	29	29	Dan.	J. Lauritzen	Seattle, Wash.	Haifa, Palestine	Fruit, gen.	1,684
Peter Kerr.....	29	29	Amer.	States S. S. Co.	Portland, Oreg.	S. Francisco, Cal.	Lumber, gen.	8,207
John Worthington, ¹	29	29	Amer.	Standard Oil of N. J.	Talara, Peru	Aruba, N. W. I.	(15)	11,634
Canada ²	29	29	Swed.	Johnson Line.	Kabului, T. H.	Goth'burg, Swed.	(16)	7,972
Tremoda.....	29	29	Brit.	Colonial Sugar Co.	Mackay, Australia	Montreal, Canada	Sugar	7,643
Tobo Maru ¹ ²	29	29	Jap.	Lino Shoji Kaisha.	Yokohama, Japan	Coatzaco, Mex.	Ballast	.....
S-47 ⁷	29	29	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	.....	.....
S-42 ⁷	29	29	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	.....	.....
S-43 ⁷	29	29	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	.....	.....
S-46 ⁷	29	29	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	.....	.....
Sona ²	29	30	Pan.	Elliot Ship. & Land Co.	Panama, R. P.	Cristobal, C. Z.	Empty drums	27
Sub Base ⁵	29	29	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	.....	.....
West Ira.....	29	30	Amer.	McCormick S. S. Co.	Marsfield, Oreg.	Buenos Aires, Arg.	Lumber, gen.	5,608
Gannet ¹³	30	30	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	.....	.....
Heranger ²	30	30	Nor.	Intercean S. S. Co.	Vancouver, B. C.	Rotterdam, Neth.	(17)	5,969
Marna.....	30	30	Dan.	J. Lauritzen	Arica, Chile	New York, N. Y.	General	2,660
S-45 ⁷	30	30	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	.....	.....
Manoeran ²	30	30	Neth.	Pac.-Java-Bengal Line	Calcutta, India	Calcutta, India	General	7,676
Istmo.....	30	1	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	523
Misoo ¹	25	30	Brit.	Standard Oil of N. J.	Balboa, C. Z.	Aruba, N. W. I.	Ballast	.....
Sikisan Maru ²	30	30	Jap.	Mitsui Bussan K.	Yokohama, Japan	London, England	Can. salmon	7,084
Moorby ²	30	1	Brit.	Ropner Ship. Co.	Chemainus, B.C.	Hull, England	Wheat, lum.	8,710
Morviken ²	30	2	Nor.	K Line	Yokohama, Japan	New York, N. Y.	General	5,066
Friesland ²	30	2	Ger.	Hamburg-Amer. Line.	Manila, P. I.	New Orleans, La.	(18)	7,994
Abraham Lincoln ²	30	1	Nor.	Fred Olsen & Co.	Vancouver, B. C.	Oslo, Norway	General	6,517
Orotava.....	1	1	Hond.	United Fruit Co.	Pto. Arm'les, R.P.	Mobile, Ala.	Bananas	1,100
Honolulan.....	1	1	Amer.	Amer.-Hawaiian Line.	Los Angeles, Cal.	New York, N. Y.	(19)	8,385
Nero ²	1	2	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	(20)	536
Jersey ²	1	1	Brit.	Colonial Sugar Co.	Suva, Fiji Is.	United Kingdom	Sugar	8,535
Dalroy.....	1	2	Brit.	United Steam Nav. Co.	Suva, Fiji Islands	United Kingdom	Sugar	7,366
City of Elwood ²	1	2	Amer.	Roosevelt S. S. Co.	Iloilo, P. I.	Baltimore, Md.	Sugar, gen.	7,514
Nankai Maru ²	2	2	Jap.	Osaka Syosen Kaisya	Dairen, China	Hamburg, Ger.	(21)	6,976
Cronarty ²	2	2	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Devonport, Eng.	Grain, lum.	8,350
Edgar F. Luckenbach.....	2	2	Amer.	Luckenbach-Gulf Co.	Portland, Oreg.	Tampa, Fla.	General	8,342
Davila ¹ ²	2	2	Brit.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	United Kingdom	Kerosene	11,124
Cerigo.....	2	3	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecua.	Cristobal, C. Z.	(22)	1,183
Clio ²	2	2	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	534
Treworlas.....	2	2	Brit.	Colonial Sugar Ref.	Cairns, Australia	Montreal, Canada	Sugar	7,628
Hollywood.....	2	2	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	7,289
Zvir.....	1	2	Y-Slav.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Cardiff, Wales	General	7,906
Winslow ⁵	2	2	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Tow barge	.....
Blue Bird ⁵	2	2	Amer.	E. J. Gormely	Balboa, C. Z.	Cristobal, C. Z.	Ballast	.....
Shorty ⁵	2	2	Amer.	F. M. Logan	Balboa, C. Z.	Cristobal, C. Z.	Ballast	.....
Seattle ²	3	4	Ger.	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	General	6,625
Baarn.....	3	3	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	7,853
Montanan.....	3	3	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,100
Trois Ilets.....	3	8	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	194
Pereira.....	3	10	Pan.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General	93
Lancaster Castle.....	3	3	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile	Azores ¹⁴	Nit. of soda	8,690
Malantic.....	3	3	Amer.	Amer. Pot. & Chem.	Long Beach, Cal.	Boston, Mass.	Potash	6,536
Q-2 ⁵	3	3	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	.....	.....
City of Newport News.....	3	4	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	6,953
Dusseldorf ²	3	5	Ger.	North German Lloyd.	Talcahuano, Chile	Hamburg, Ger.	General	5,290
Nuevo Panama ²	4	5	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	80
Cleodora ¹ ²	4	4	Neth.	La Corona Pet. Co.	Los Angeles, Cal.	Curacao, N.W.I.	(23)	11,373
Santa Clara.....	4	5	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	(24)	5,946
Orazio ²	4	5	Ital.	Italian Line	Valparaiso, Chile	Genoa, Italy	General	2,810
Peter Maersk ²	4	5	Dan.	Maersk Line	Manila, P. I.	New York, N. Y.	(25)	6,107
Real ²	4	5	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	40

¹ Tanker. ² Motor ship. ⁵ Launch. ⁷ Submarine. ¹² Cruiser. ¹³ Aircraft tender. ¹⁴ For orders. ¹⁵ Gas oil, kerosene. ¹⁶ Wheat, fruit, barley. ¹⁷ Logs, grain, general. ¹⁸ Copra, sugar, general. ¹⁹ Lumber, sugar, potash. ²⁰ Coffee, hides, balsa. ²¹ Soya, silk, general. ²² Coffee, wood, hides, nuts. ²³ Gasoline, kerosene. ²⁴ Coffee, copper, general. ²⁵ Vegetable oil, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Marore.....	4	5	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore....	22,500
Andrea F. Luckenbach.....	5	5	Amer.	Luckenbach Line.....	Townsend, Wash.	Boston, Mass.	General.....	11,865
Carolinian.....	5	5	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	7,639
O. A. Knudsen ^{1 2}	5	5	Nor.	Anglo-Saxon Pet. Co.	S. Francisco, Cal.	Curacao, N.W.I.	Gasoline.....	15,456
Willmoto ²	5	5	Amer.	Sudden & Christenson	Longview, Wash.	New York, N. Y.	Lumber.....	7,000
San Francisco ²	5	6	Swed.	Johnson Line.....	Vancouver, B. C.	Stockholm, Swed.	(¹⁴)	5,359
Potter ²	2	5	Amer.	Roosevelt S. S. Co.	Whyalla.....	Baltimore, Md.	Wool, gen....	6,629
City of Delhi.....	5	6	Brit.	Mont.-Aust.-N.Z. Line	Melbourne, Aust.	Montreal, Canada	General.....	3,490
Porto Bello ²	5	5	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	Lum., oranges	5
Este.....	6	7	Ger.	North German Lloyd.	Vancouver, B. C.	Hamburg, Ger.	General.....	9,342
Edward Luckenbach.....	6	6	Amer.	Luckenbach Line.....	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,305
Moldanger ²	6	6	Nor.	Interocean S. S. Co.	Seattle, Wash.	London, England	Grain, gen....	8,375
Durazzo.....	6	8	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecu.	Cristobal, C. Z.	(¹⁵)	710
Istmo.....	6	6	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee.....	662
Nela.....	6	6	Brit.	Royal Mail Lines	Victoria, B. C.	Rotterdam, Neth.	Frozen, gen.	5,356
Akiura Maru ²	6	6	Jap.	Mitsubishi Shoji K.	Dairen, China	Hamburg, Ger.	Soy beans....	9,303
Rhakotis ²	6	8	Ger.	Hamburg-Amer. Line.	Talcahuano, Chile	Hamburg, Ger.	General.....	7,903
Reinad del Pacifico ²	7	7	Brit.	Pacific Steam Nav. Co.	Talcahuano, Chile	Liverpool, Eng.	(¹⁶)	6,198
W. R. Keever.....	6	7	Amer.	Dutton Lum. Corp.	Everett, Wash.	Providence, R. I.	Lumber.....	7,300
Nero ²	2	8	Neth.	Royal Neth. S. S. Co.	Balboa, C. Z.	Cristobal, C. Z.	Ballast.....	.....
Ontariolite ^{1 2}	6	7	Brit.	Imperial Oil Co.	Lobitos, Peru.	Halifax, N. S.	Crude oil....	12,453
Asosan Maru ²	7	7	Jap.	Mitsui & Co.	Manila, P. I.	Baltimore, Md.	(¹⁷)	7,547
North Haven.....	7	7	Amer.	Northland Transp.	Tacoma, Wash.	Boston, Mass.	Can. salmon.	5,324
Belnor ²	7	7	Nor.	Belships Co., Ltd.	Coquimbo, Chile.	New York, N. Y.	Gold ore....	3,675
Losmar.....	7	7	Amer.	Calmar Line.....	Seattle, Wash.	New York, N. Y.	Lum., plywo'd	7,500
Salacia ²	7	8	Brit.	Donaldson Line.....	Vancouver, B. C.	Glasgow, Scotland	(¹⁸)	6,954
Retriever ⁶	7	7	Amer.	U. S. Navy.....	Balboa, C. Z.	Cristobal, C. Z.	.....	.....
Santore.....	8	8	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore....	11,500
Oregon Express ²	3	8	Nor.	Fruit Express Line.	Portland, Oreg.	Glasgow, Scotland	Fresh fruit..	1,950
Mahimahi.....	8	8	Amer.	Matson Nav. Co.	Hilo, T. H.	Baltimore, Md.	(¹⁹)	8,838
Forbes Hauptman.....	8	8	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	7,600
Bolton Castlan.....	8	9	Brit.	Chile Nit. Sales Corp.	Iquique, Chile.	Azores ¹³	Nit. of soda.	8,600
Nuevo Panama ²	8	10	Pan.	Elliot Ship. & Land Co.	Pto. Arm'les, R.P.	Cristobal, C. Z.	Ballast.....	.....
Columbia Maru ²	9	9	Jap.	Mitsubishi Shoji K.	Yavina, Kameh'a.	London, England	(²⁰)	7,740
Heffron.....	9	9	Amer.	Pac. Coast Dir. Line.	Portland, Oreg.	Norfolk, Va.	Lumber, gen.	8,960
P-14 ⁵	9	9	Amer.	U. S. Army.....	Balboa, C. Z.	Cristobal, C. Z.	.....	.....
Chilore.....	10	10	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore....	21,800
Trenton ¹²	5	10	Amer.	U. S. Navy.....	San Diego, Cal.	Orders at C. Z.	.....	.....
Cincinnati ¹²	4	10	Amer.	U. S. Navy.....	San Diego, Cal.	Guantanamo Bay	.....	.....
Concord ¹²	4	10	Amer.	U. S. Navy.....	San Diego, Cal.	Guantanamo Bay	.....	.....
Samuel Bakke ²	10	10	Nor.	Knut Knutsen, O.A.S.	Valparaiso, Chile.	Oslo, Norway.	General.....	7,800
San Felipe.....	10	10	Amer.	Pacific-Atl. S. S. Co.	San Diego, Cal.	Baltimore, Md.	Lumber, gen.	7,193
Eurypylus.....	10	10	Brit.	Alfred Holt & Co.	Kamehatka, Rus.	London, England	Can. salmon.	7,044
Meandros.....	10	10	Greek.	Chile Nit. Sales Corp.	Iquique, Chile.	Azores ¹³	Nitrates.....	7,100
Steel Exporter.....	10	10	Amer.	Isthmian S. S. Lines.	Los Angeles, Cal.	London, England	(²¹)	7,852
Pacific Enterprise ²	10	10	Brit.	Furness, Withy & Co.	Victoria, B. C.	Manchester, Eng.	General.....	8,700
Isthmian.....	10	10	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	8,700

¹ Tanker. ² Motor ship. ⁵ Launch. ¹² Cruiser. ¹³ For orders. ¹⁴ Wheat, barley, general. ¹⁵ Coffee, tagua, hides. ¹⁶ Copper, wool, general. ¹⁷ Sugar, rubber, silk. ¹⁸ Fresh fruit, general. ¹⁹ Sugar, canned pineapples. ²⁰ Canned fish, crabs. ²¹ Grain, lumber, general.

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.

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.

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.

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Traffic Through the Panama Canal in October 1938

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

	October 1936	October 1937	October 1938		
			Atlantic to Pacific	Pacific to Atlantic	Total
Ocean-going commercial traffic.....	482	461	270	224	494
Small commercial vessels ¹	43	82	52	27	79
Noncommercial vessels:					
United States Government.....	43	33	20	7	27
Colombian Government.....		1			
For repairs.....	1	2	2	2	4
Total.....	569	579	344	260	604

¹ Vessels under 300 net tons, Panama Canal measurement.

OCEAN-GOING COMMERCIAL TRAFFIC ²

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 twelve months ended October 31, 1938, as compared with the twelve months ended October 31, 1937:

Month	No. of vessels		³ Panama Canal net tonnage		Tons of cargo		Tolls	
	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8	1936-7	1937-8
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	2,511,674	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	2,070,337.89	1,801,291.78
July.....	457	429	2,395,306	2,089,000	2,476,366	2,025,660	2,029,642.45	1,694,205.00
August.....	505	468	2,597,119	2,345,000	2,780,603	2,171,674	2,195,308.87	1,890,050.74
September.....	444	438	2,312,725	2,165,000	2,385,142	1,998,464	1,935,673.78	1,741,895.46
October.....	461	494	2,359,406	2,459,000	2,438,788	2,359,673	1,981,087.87	1,977,706.76
Total.....	5,377	5,486	27,465,338	27,451,553	28,353,184	25,860,496	23,066,005.58	22,332,033.69

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

³ These figures indicate the Panama Canal net tonnage as determined under the rules of measurement in effect prior to March 1, 1938.

⁴ 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.

⁵ Estimated tonnage under the former rules, based on total Panama Canal net tons as now measured, July 1938, 1,933,816; August 1938, 2,177,699; September 1938, 2,005,241; October 1938, 2,276,194.

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 October 1938. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	⁶ Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	52	2,224	\$1,777.14	1,062
Pacific to Atlantic.....	27	1,345	1,178.28	1,617
Total.....	79	3,569	2,955.42	2,679

⁶ As measured under the present Panama Canal rules.

Traffic by Nationality of Vessels ⁷ for October 1938

	No. of transits	⁸ Panama Canal net tonnage	Tolls	Tons of cargo
British.....	9130	665,827	\$569,542.10	600,893
Chilean.....	2	7,042	5,972.22	612
Danish.....	17	60,632	52,524.54	53,526
French.....	11	55,382	48,152.88	41,929
German.....	35	143,297	128,967.30	156,678
Greek.....	6	27,064	22,774.50	33,230
Honduran.....	5	7,900	6,544.44	3,080
Italian.....	6	32,722	28,686.42	18,570
Japanese.....	18	101,453	91,307.70	136,715
Netherland.....	31	93,688	78,899.04	64,778
Norwegian.....	56	254,925	215,395.92	242,165
Panamanian.....	14	32,761	27,167.94	34,422
Peruvian.....	1	2,259	2,033.10	572
Swedish.....	11	53,556	45,273.96	68,600
United States.....	147	720,325	640,446.48	887,667
Yugoslav.....	4	17,361	14,018.22	16,236
Total.....	494	2,276,194	1,977,706.76	2,359,673

⁷ Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

⁸ As measured under the present Panama Canal rules.

⁹ Includes 2 naval vessels of 3,574 displacement tons.

Traffic by Trade Routes for October 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	¹⁰ Panama Canal net tonnage	Tons of cargo	No. of ships	¹⁰ Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	52	256,420	207,272	52	258,765	409,557
East coast United States and:						
Canada.....	2	8,256	2,690	2	9,318	15,230
Central America/Mexico.....	4	7,287	2,818	4	7,314	4,280
South America.....	14	61,165	16,952	17	71,633	184,743
Hawaiian Islands.....	3	14,182	7,784	3	14,820	24,645
Australasia.....	6	38,555	31,319			
Philippine Islands.....	10	55,831	58,347	8	41,472	60,468
Far East.....	20	97,813	148,986	4	22,376	19,964
Canadian intercoastal.....	3	15,218	6,633	2	8,945	14,300
East coast Canada and:						
South America.....				4	16,953	34,926
Australasia.....	4	19,974	23,895	4	20,299	26,040
Far East.....	1	6,153	8,781			
East coast Central America/Mexico and:						
Far East.....	1	6,707	10,677			
East coast South America and:						
United States.....	1	4,573	3,284			
Canada.....	2	8,353	4,539			
Far East.....	3	15,123	21,873			

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	¹⁰ Panama Canal net tonnage	Tons of cargo	No. of ships	¹⁰ Panama Canal net tonnage	Tons of cargo
South American intercoastal	3	8,213	14,528	1	2,259	572
Cristobal and:						
United States	1	5,973		1	5,973	11,600
Central America/Mexico	5	3,438	4,219	4	2,692	1,119
South America	17	9,744	4,199	16	10,066	10,619
West Indies and:						
United States	2	6,520		5	31,182	62,343
Canada	1	4,095				
South America	2	9,009	10,223			
Balboa	1	6,124	10,950			
Europe and:						
United States	26	109,770	10,395	11	56,297	84,273
Canada	42	219,781	33,333	36	186,076	267,184
Central America/Mexico	1	2,965	6,207			
South America	28	146,692	35,859	33	178,240	263,335
Hawaiian Islands	1	8,696				
Australasia	8	59,932	52,848	9	60,587	65,734
Far East	1	5,906	7,567	5	26,283	36,779
Egypt and South America				1	4,099	8,330
Around the world				1	6,034	5,691
Asia and west coast United States				1	2,663	1,763
Foreign vessels in ballast (United States intercoastal)	2	9,054				
Vessels not engaged in commerce	¹¹ 3	326				
Total	270	1,231,548	746,178	224	1,044,346	1,613,495

¹⁰ As measured under the present Panama Canal rules.¹¹ Two naval, one yacht.

Origin and Destination of Cargo by Major Areas, October 1938

The following table summarizes the origin of cargo passing through the Canal in October 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	210,537	12,007	235,091	16,041	29,897	503,573
Other North America	1,708	22,226	14,429	20,106	25,327	83,796
Europe	32,681	15,133	248	31,135	52,838	132,035
Miscellaneous	7,747	244	4,726	14,057		26,774
Total	252,673	49,610	254,494	81,339	108,062	746,178

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	402,184	85,125	217,938	6,375	711,622
Canada	15,230	17,043	128,861	1,710	162,844
Other North America	28,925	1,119	27		30,071
South America	181,978	50,288	261,320	8,939	502,525
Australasia	6,973	20,828	63,973		91,774
Asia	79,084	3,904	31,350	321	114,659
Total	714,374	178,307	703,469	17,345	1,613,495

Principal Commodities

Commodities which aggregated 10,000 or more tons either during October 1938, or in October 1937, are listed below:

Commodity	October		Commodity	October	
	1937	1938		1937	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Asphalt and tar	18,115	7,886	Barley	25,878	16,924
Automobiles and parts	18,917	14,776	Beans	26,052	17,860
Canned goods, various	14,201	13,466	Canned goods, various	144,859	160,416
Cement	18,993	10,897	Coffee	12,445	11,875
Chemicals	10,518	10,050	Cold storage (food products) ¹²	16,595	24,359
Coal and coke	12,211	11,423	Copra	21,398	9,998
Cotton, raw	6,948	15,387	Cotton, raw	8,499	13,414
Cresote	11,707	9,776	Flour	31,461	12,633
Iron and steel	200,471	136,746	Fruit, dried	45,643	55,686
Machinery	13,841	16,249	Fruit, fresh ¹³	28,152	36,189
Manufactured goods	13,470	12,534	Lumber	284,441	253,041
Metals, various	53,997	83,049	Metals, various	59,857	59,679
Oils, minerals	110,041	85,154	Nitrates	50,979	148,260
Paper	31,845	40,095	Oils, mineral	207,768	248,877
Phosphates	26,878	1,700	Oils, vegetable	14,278	14,829
Scrap metal	38,116	55,201	Ores, various	200,081	160,088
Sulphur	46,680	13,573	Potash	3,892	14,647
Tinplate	14,570	11,792	Soy beans	9	11,311
<i>Pacific to Atlantic</i>			Sugar	154,738	125,043
Asphalt and tar	10,374	727	Wheat	44,123	61,311
			Wood pulp	39,397	18,011

¹² Except fresh fruit. ¹³ Except bananas.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of October 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			52	
Agricultural implements	487	10	4,243	14
Alfalfa meal		236		456
Ammonium compounds	675		6,456	75
Animal foods ¹⁴	156		161	
Apparel, wearing (hats, shoes, clothing, etc.)	127		127	40
Asbestos	672		1,382	10
Asphalt and tar	225	111	7,886	727
Automobiles (and autotrucks)	375		8,048	
Automobile parts and accessories	796	18	6,728	24
Bags and bagging, textile	312		589	
Bamboo and products				83
Bananas				5,710
Barks, miscellaneous	159	25	159	592
Barley	447	51	447	16,924
Beans, edible, dry	30	8,630	52	17,860
Beer	70		433	
Beverages, nonalcoholic	13	100	58	100
Blood and tankage			226	88
Bones and bone meal			73	40
Books and printed matter	20	100	21	100
Borax		462	150	9,178
Bran and pollards	73	300	73	3,281
Bricks and tile	298		714	13
Camphor, crude				103

¹⁴ 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
Canned and preserved goods:				
Fish.....	578	23,635	1,114	50,327
Fruit.....	820	48,888	1,671	81,855
Meat.....	40	304	1,047	548
Milk.....	40	93	1,201	214
Soup.....	3,828	35	4,201	55
Vegetables.....	922	16,083	1,003	16,282
Miscellaneous and unclassified.....	2,672	9,839	3,229	11,135
Carbon black.....	36		491	
Celite.....		764		764
Cement.....	1,000		10,897	
Chalk.....			265	22
Charcoal.....	91		221	
Chemicals ¹⁴	4,997	1,127	10,050	1,504
Clay, china and fire.....	776	107	976	139
Clay, filtering.....		100	266	127
Coal.....			8,758	148
Cocoa and cacao beans.....	359		933	1,891
Coconuts and products ¹⁴	137	1,400	453	3,073
Coffee.....	53		6,054	11,875
Coke.....			2,665	
Cold storage and refrigerated products:				
Dairy products.....	6	17	251	11,978
Eggs.....		21		259
Fish.....	3		32	797
Lard.....	332		509	
Meats.....		64	226	10,921
Vegetables.....		96	32	404
Other and unclassified.....	366		387	
Confectionery.....	1,168		1,191	
Copra.....				9,988
Copra meal and cake.....		10		10
Corn.....	268		268	2,663
Cotton, raw.....	25	223	15,387	13,414
Creosote.....	23		9,776	3
Drugs and medicines.....	2,516	103	3,073	103
Dyes.....	2		143	
Earthenware.....	25		91	
Eggs, dried.....				8
Electrical apparatus and appliances.....	1,457	351	2,893	360
Enamelware and metalware.....	190	20	419	75
Explosives.....	92	28	740	28
Extract, quebracho.....			1,248	
Fertilizers ¹⁴	18	40	236	494
Fish, salted or dry-cured.....			92	60
Fish meal.....	116		116	2,636
Floor coverings.....	1,830	595	2,154	702
Flour.....	76	10,938	968	12,633
Fruit, dried.....	18	27,519	251	55,686
Fruit, fresh ¹⁴	210	2,770	226	36,189
Furniture and household goods.....	221	132	270	132
General.....	17,502	3,859	44,461	19,322
Glass and glassware.....	2,029	120	5,231	732
Glue.....	34	13	34	18
Grains ¹⁴			154	
Groceries.....	1,552	394	2,682	1,432
Gums.....		60		191
Hair, all kinds.....	360	43	389	163
Hay.....		18		141
Hemp, unmanufactured.....	41		55	1,959
Honey.....		240		339
Hops.....			15	
Horns and hoofs.....			41	40
Infusorial earth.....		401		901
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.).....	72,144	625	136,746	715
Ivory nuts.....	20		855	2,631
Jute, unmanufactured.....				24
Lard substitute.....	723		723	57
Lime.....	14		164	
Liquors.....	4,792	188	7,386	343
Lumber (including manufactured mill products).....	2,613	144,438	4,732	253,041
Machinery.....	1,911	329	16,249	600
Malt.....	70		370	
Manufactured goods ¹⁴	8,405	347	12,534	1,643
Marble and granite.....			253	
Matches.....	62	72	124	72
Metals:				
Antimony.....			167	
Copper.....	107	3,861	5,698	37,567

¹⁴ 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
Metals—Continued:				
Gold and silver.....	3		3	115
Iron.....	2,176		72,382	
Lead.....	10	1,848	33	14,854
Tin.....	240	74	272	1,762
Zinc.....	95		1,459	5,337
Other and unclassified.....	598	23	3,035	44
Milk, powdered.....		283		975
Molasses and syrups.....	287	16	418	967
Nitrates.....	1,173		3,131	148,260
Nuts, edible (including meats).....	33	1,072	262	1,796
Oats.....	261	1,076	304	1,472
Oils, mineral:				
Crude.....	71	10,191	1,610	102,579
Gas and fuel.....			45,074	24,780
Gasoline, benzine, and naphtha.....	15	8,711	14,942	93,170
Kerosene.....			10	27,113
Lubricating and greases.....	8,899	919	23,487	1,235
Other and unclassified.....			31	
Oils, vegetable:				
Cocunut.....				9,658
Cottonseed.....	25		262	
Linseed.....	1,441		1,695	2
Olive.....	12	40	581	40
Peanut.....				1,175
Rapeseed.....				323
Teaseed.....				802
Wood.....			49	1,218
Other and unclassified.....	134	103	935	1,611
Oil, fish.....	71		274	941
Oil, whale.....				93
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.).....			1,562	341
Oilseed cake and meal.....	3,625		3,661	10,488
Ores:				
Antimony.....				991
Chrome.....	106		106	3,500
Copper.....		500		2,450
Gold and silver.....			3	4,880
Iron.....				121,090
Lead.....				5,429
Magnesite.....		708		1,212
Manganese.....	117		563	9,254
Tin.....				3,775
Zinc.....			24	5,396
Other and unclassified.....		99	603	2,111
Paints and varnishes.....	920	23	4,296	226
Paper and paper products ¹⁴	12,066	5,345	40,095	6,419
Peanuts.....	941		941	66
Peas, dry.....		50		57
Peatmoss.....			732	
Phosphates.....	495	62	1,700	7,712
Plaster.....			163	
Porcelainware.....	196	127	1,127	2,336
Potash.....	19	10,586	5,717	14,647
Pyrethrum flowers.....				100
Rags and waste.....	120	95	588	630
Railroad material.....			3,386	
Rice.....	956	883	2,420	3,641
Rope and twine.....	489	13	611	57
Rosin.....	830		4,044	70
Rubber:				
Manufactured.....	918	33	1,370	53
Raw.....	37		118	3,101
Scrap.....	12		38	100
Salt.....	90	136	6,341	136
Sand.....	1,216		2,614	
Scrap metal.....	432		55,201	1,072
Seeds (except oilseeds).....	31	595	376	1,190
Sewer pipe (concrete and terra-cotta).....	2,459		2,459	
Shells, oyster.....	169		819	60
Silk, raw.....		347	27	2,815
Skins and hides.....		2,269	642	5,234
Slag.....	160		180	
Slate.....	2,855		2,855	
Soaps and products.....	3,981	21	4,088	101
Soda and sodium compounds:				
Soda ash.....	294		453	65
Soda, caustic.....	326		1,391	
Miscellaneous and unclassified.....	741		1,150	98

¹⁴ 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
Soy beans.....	66	429	66	11,311
Spices.....	125		150	25
Sugar.....	131	27,921	449	125,043
Sulphur.....	6,167		13,573	106
Talc.....		78		279
Tallow.....	22	325	61	1,640
Tea.....		7	259	2,003
Textiles ¹⁵	4,264	6	8,661	3,505
Tinplate.....	4,027	24	11,792	184
Tobacco and manufactures.....	612	29	7,251	217
Toilet preparations.....	146	11	146	34
Turpentine.....	311		806	
Vegetables, dry ¹⁴				1,408
Wall board.....	45		653	1,035
Wax, paraffin.....	147		1,196	511
Wheat.....		49		61,311
Wines.....	71	1,731	734	4,471
Wood pulp.....	1,615	13,741	3,893	18,011
Wool.....	18	1,232	20	4,325
Total, October 1938.....	210,537	402,184	746,178	1,613,495
Total, October 1937.....	234,845	445,342	860,074	1,578,714
Total, October 1936.....	214,618	530,923	796,094	1,666,975

¹⁴ Except as otherwise classified. ¹⁵ Cotton, silk, wool, rayon goods.

Tanker Traffic

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

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	¹⁶ Panama Canal net tonnage	Tons of cargo	No. of ships	¹⁶ Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	1	5,411		2	9,667	18,889
East coast United States and:						
South America.....	1	8,145				
Philippine Islands.....				1	3,694	176,655
East coast Canada and South America.....				3	15,150	32,271
East coast Central America/Mexico and Far East.....	1	6,707	10,677			
South American intercoastal.....	1	6,268				
Cristobal and United States.....	1	5,973		1	5,973	11,600
West Indies and:						
United States.....	1	4,391		5	31,182	62,343
South America.....	2	9,009	10,223			
Balboa.....	1	6,124	10,950			
Europe and:						
United States.....	6	36,805	9,740	5	33,207	60,411
South America.....	6	36,230		5	31,503	61,959
Hawaiian Islands.....	1	8,696				
Total.....	22	133,759	54,631	22	130,376	254,158

¹⁶ As measured under the present Panama Canal rules. ¹⁷ Coconut oil.

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.

Comparison of Canal Traffic in October 1938, 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) 13 322	(000 omitted) 425	1915.....	19 100	(000 omitted) 361	(000 omitted) 466
1915.....				1916.....	60	199	258
1916.....	151	482	617	1917.....	145	483	588
1917.....	164	522	600	1918.....	165	547	627
1918.....	181	552	657	1919.....	162	510	576
1919.....	191	670	705	1920.....	199	712	781
1920.....	226	934	991	1921.....	232	950	966
1921.....	249	1,069	985	1922.....	222	951	907
1922.....	291	1,310	1,446	1923.....	325	1,550	1,631
1923.....	420	2,139	2,127	1924.....	429	2,179	2,249
1924.....	383	1,923	2,018	1925.....	382	1,904	1,996
1925.....	406	1,955	2,009	1926.....	424	2,064	2,169
1926.....	435	2,124	2,374	1927.....	441	2,184	2,311
1927.....	551	2,584	2,716	1928.....	521	2,453	2,468
1928.....	543	2,514	2,581	1929.....	524	2,485	2,554
1929.....	554	2,747	2,844	1930.....	502	2,497	2,502
1930.....	506	2,553	2,395	1931.....	447	2,314	2,089
1931.....	384	2,081	1,763	1932.....	364	1,968	1,650
1932.....	367	1,987	1,581	1933.....	347	1,900	1,513
1933.....	433	2,414	2,124	1934.....	436	2,379	2,059
1934.....	467	2,516	2,173	1935.....	432	2,317	2,109
1935.....	441	2,358	2,229	1936.....	449	2,335	2,209
1936.....	482	2,500	2,463	1937.....	467	2,421	2,531
1937.....	461	2,359	2,439	1938.....	460	²² 2,338	2,282
1938.....	494	²¹ 2,459	2,360	(²⁰).....	461	²¹ 2,293	2,163

¹⁸ Canal opened August 15, 1914.

¹⁹ Average for 10½ months.

²⁰ Average 10 months of calendar year 1938.

²¹ Estimated tonnage under Panama Canal rules in effect prior to March 1, 1938. ²² As measured under the rules in effect prior to March 1, 1938.

Terminal Activities

Ships repaired during the month of October 1938 numbered 54. Vessels released from drydock numbered 13. Fuel oil in the quantity of 287,651 barrels was delivered as bunkers to 131 commercial ships. Bunker coal amounting to 3,473 tons was delivered to 18 commercial ships. Sales of commissary supplies to ships aggregated \$49,136.77.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving..... tons..	20,251	8,867	29,118
Local cargo shipped..... tons..	2,355	811	3,166
Cargo received for transshipment..... tons..	46,662	1,083	47,745
Cargo transhipped..... tons..	46,381	853	47,234
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	5	1	6
Number of releases issued.....	38	19	57
Tons received.....	49	6	55
Tons withdrawn.....	50	6	56

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..	573	3,336,640	2,003,313	534	2,969,934	1,806,305
Vessels entering port but not transiting Canal.	55	363,634	196,261	3	14,228	9,463
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	140	761,886	444,424	109	658,126	395,278
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	575	3,329,960	2,003,898	537	2,979,634	1,810,639
Vessels clearing port but not transiting Canal.	59	399,058	222,898	3	16,073	9,644
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	137	733,353	425,913	111	666,100	399,817

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, 1938, to midnight November 10, 1938. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Santa Maria, 589, 7	Lochaven, 173, 7	Yamaura Maru, 387, 0	Vinland, 71, 0	Guayaquil, 2,232, 617
Muenbeben, 23, 229	Rhein, 9, 862	Strabo, 0, 340½	Crynssen, 15, 1,549	Santa Rita, 118, 144
Alaska, 135, 260	Gertrude Maersk, 279, 399	Macabi, 0, 60	Skjelbred, 1,191, 222	Lochkatrine, 177, 69
Sambu, 0, 60	Contessa, 435, 785	Argentina, 121, 51	Arizona, 426, 0	Clio, 514, 107
Cefalu, 249, 742	Sambu, 0, 82	San Clemente, 102, 474	Port Antonio, 6, 351	Bogota, 1,019, 596
Acajutla, 563, 706	Trois Ilets, 384, 213	West Cactus, 20, 125	Knute Nelson, 262, 3	Kosin Maru, 574, 0
Platano, 617, 0	City of Los Angeles, 265, 0	Veragua, 13, 405	Itauria, 90, 0	Kunikawa Maru, 693, 0
Oropesa, 17, 316	Caribia, 139, 68	Santa Lucia, 564, 27	Chiriqui, 72, 476	Jeff Davis, 284, 0
Tacoma, 699½, 119	Amasis, 129, 163	San Jose, 129, 429	Sanyo Maru, 454, 343	R. L. Hustler, 1½, 0
Ino, 609, 571	Tigre, 37, 210	Portland, 159½, 174	Santa Elena, 770, 0	Strabo, 0, 451
Olney, 2,150, 0	Musa, 575, 5	Mosfruit, 25, 0	Carrillo, 6, 0	Talamanca, 12, 285
Chiriqui, 262, 329	Niobe, 12,009, 0	Santa Paula, 242, 24	West Notus, 538, 0	Santa Inez, 96, 0
Bogota, 1,132, 409	Balboa, 0, 415	Zacapa, 173, 743	Bretagne, 233, 0	Santa Rosa, 590, 47
Nero, 330, 29	Virgilio, 111, 14	Cefalu, 139, 671	Nurnberg, 99, 0	Aachen, 47, 290
Cristobal, 2,928, 676	Dresden, 89, 450	Crynssen, 91, 5	Breda, 235, 0	Turrialba, 688, 0
Colombie, 98, 0	Keiyo Maru, 251, 19	Salvador, 272, 0	Santa Barbara, 296, 0	Lochgail, 194, 7
Barneveld, 104, 169	Vinni, 993, 0	Real, 0, 52	Astoria, 0, 169	Alster, 131, 366
Santa Marta, 692, 191	Talamanca, 108, 704½	Caribia, 10, 1,005½	Port Montreal, 147, 136	Cefalu, 476, 541
Santa Inez, 420, 24	San Bernardino, 668, 28	Tai Yin, 1,141, 0	Contessa, 533, 546	Fella, 511, 203
West Ivis, 45, 59	Oregon, 104, 264	San Antonio, 661, 163	Sambu, 0, 48	Real, 0, 50
San Diego, 273, 337	Damsterdijk, 183, 25	Ancon, 3,591, 652	Valparaiso, 0, 172	Acajutla, 495½, 0
Patricia, 0, 805½	Nero, 410½, 43½	Axel Johnson, 153, 208	Historian, 283, 0	Peter Kerr, 345, 71
Nuevo Panama, 253, 0	John Cabot, 188, 1,338	Pasajero, 0, 8	Musa, 1,368, 95	Losada, 345, 71
Simon Bolivar, 1½, 663½	Quigra, 173, 945	Quirigua, 173, 945	Grete Maersk, 845, 0	Cristobal, 3,645, 0
Santa Maria, 11,600, 0	Santa Maria, 85, 1	Santa Maria, 85, 1	Schwaben, 248, 78½	San Mateo, 386, 0
Canada, 0, 50	Trois Ilets, 331, 57	Trois Ilets, 331, 57	Jamaica, 150, 849	Nordstjernan, 56, 158
San Angelo, 419, 80	Nero, 497, 100	Nero, 497, 100	Jefferson Myers, 360, 0	Santa Lucia, 455, 0
D.G.Scotfield, 11,426, 0	Mantilla, 8,503, 0	Mantilla, 8,503, 0	Orbita, 24, 1,066	Veragua, 116, 0
Auditor, 181, 0	Evanger, 2,704, 132	Evanger, 2,704, 132	Trois Ilets, 214, 40	Magister, 153, 0
Colombie, 3, 265	Istmo, 681, 252	Istmo, 681, 252	Laurits Swenson, 192, 40	American Press, 1,378, 0
Rialto, 54, 0	Loreto, 4, 1,035	Ino, 435, 72	40	Durazzo, 1,235, 0
Lysefjord, 39, 345	Clio, 555, 155	Cerigo, 1,060, 1,154	Istmo, 311, 450	Istmo, 801, 0
Jamaica, 9, 233	Istmo, 785, 100	Margaret Lykes, 973, 893	Margaret Johnson, 0, 26	
Santa Rita, 137, 20	Buenaventura, 2,060, 388	Sixola, 1,274, 335	Nero, 284, 100	
Port Sydney, 0, 10½	Leipzig, 55½, 537	Orduna, 91, 106	Pereira, 342, 1,239	
Alkmaar, 110, 30½	Leme, 278, 267	Arminda, 172, 40	Ulua, 703, 159½	
Santa Rosa, 156, 1				

BALBOA

Trinity, 1,583, 41	John Bakke, 1,035, 0	Thorstrand, 0, 59	Tai Yin, 161, 0	Tamaroa, 63, 0
Pereira, 0, 2	Cuzco, 51, 0	D. G. Scotfield, 10,950, 0	Zacapa, 0, 1	Salvador, 0, 2
Acajutla, 6, 0	Santa Inez, 163, 15	City of San Francisco, 299, 1	Santa Maria, 192, 8	Grete Maersk, 137, 0
Miss C. B., 6, 25	Santa Rita, 1, 0	Santa Lucia, 19, 0	Republic, 563, 143	Orotava, 0, 1
Santa Maria, 15, 6	City of Los Angeles, 202, 0	Vega, 14, 0	Ludington, 2,655, 544	Santa Rita, 140, 0
Orotava, 0, 1	Gertrude Maersk, 188, 0	Europa, 0, 82	West Notus, 738, 0	La Purissima, 6,761, 0
Rangitane, 68, 0	0	John Cabot, 0, 9	Fortuna, 108, 0	Jeff Davis, 176, 0
Weser, 352, 0	Santa Clara, 217, 52	Salvador, 4, 0	Knute Nelson, 0, 109	City of Baltimore, 304, 0
Patricia, 63, 0	Leme, 721, 0	Henderson, 416, 2	City of Norfolk, 270, 0	
St. Mihiel, 245, 146			Cathwood, 9,790, 0	

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

Passengers

During October 1938 ocean-ship passengers disembarking at Cristobal numbered 2,063; embarking, 1,895; at Balboa, 649 disembarking and 777 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 5,025, from the Pacific to the Atlantic, 2,088. Aircraft numbering 54 entered Cristobal, 214 passengers disembarking; clearances were 54, with 256 passengers embarking. At Balboa entries of aircraft numbered 51, 105 passengers disembarking; clearances were 51, with 90 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.

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 October 10, 1938, to midnight November 10, 1938

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Pacific	10	11	Amer.	Weyerhaeuser S. S. Co.	Norfolk, Va.	San Diego, Calif.	Steel, gen.	1,614
Tekoa	10	11	Brit.	N. Z. Shipping Co.	Liverpool, Eng.	Auckland, N. Z.	General	9,311
Appledore	10	11	Brit.	Seaboard Ship. Co.	Barry, England.	Vancouver, B. C.	Ballast	
Vernon City	11	11	Brit.	Aust. Despatch Line	Liverpool, Eng.	Vancouver, B. C.	Ballast	
Miss C. B. ³	11	17	Brit.	Sanabria Mines, Ltd.	Cristobal, C. Z.	Tumaco, Colom.	Ballast	
Alioth ²	11	11	Neth.	Earle Stoddart, Ltd.	Schiedam, Neth.	Vancouver, B. C.	Ballast	
Molda ²	11	11	Nor.	Mitsui Line.	Mobile, Ala.	Kobe, Japan	Pig iron	7,600
Integritas	11	12	Ital.	Nova Genuesis	Genoa, Italy	Antofagasta, Chile	Ballast	
Kattegat ²	11	12	Nor.	Isbrandtsen Moller.	Norfolk, Va.	Manila, P. I.	General	7,215
Alaska	11	12	Fr.	French Line	Havre, France	Talcahuano, Chile	General	617
Pacific Shipper ²	11	12	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General	347
Chelsea	11	12	Brit.	Chile Nit. Sales Corp.	Tyne, England	Iquique, Chile.	Ballast	
Egyptian Reefer ²	11	12	Dan.	J. Lauritzen	Rotterdam, Neth.	Seattle, Wash.	Ballast	
Orotava	12	12	Hond.	United Fruit Co.	Mobile, Ala.	Pto. Arm'les, R.P.	Ballast	
Ramon de Larrinaga	12	12	Brit.	Canadian Transp. Co.	London, England	S. Francisco, Cal.	Ballast	
Hadleigh	12	12	Brit.	Seaboard Lumber Co.	Barry, England.	Vancouver, B. C.	Ballast	
Iowan	12	12	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,940
Tazima Maru	12	12	Jap.	Nippon Yusen Kaisya	New Orleans, La.	Yokohama, Japan	Gasoline	5,378
Sona ²	11		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
La Union ²	11		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real ²	11		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu ²	11		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Sugar	55
Euzkadi ⁵			Pan.	Jose M. Rodomiche	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Oropesa	12	13	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile.	General	2,225
Charles Christenson	13	13	Amer.	Arrow Line	New York, N. Y.	Seattle, Wash.	General	3,149
Weser ²	13	14	Ger.	North German Lloyd.	Hamburg, Ger.	Vancouver, B. C.	General	7,110
Fjordaas ^{1 2}	12	13	Nor.	Eagle Oil & Ship. Co.	Manchester, Eng.	Los Angeles, Cal.	Ballast	
St. Mibiél ⁸	13	15	Amer.	U. S. Army	New York, N. Y.	S. Francisco, Cal.	Supplies	1,428
Tredinnick	13	14	Brit.	Mont.-Aust.-N.Z. Line	Three, Riv., Can.	Melbourne, Aust.	Newsprint	4,700
Point Brava	13	14	Amer.	Wayne & Hoyt	Houston, Tex.	Seattle, Wash.	(16)	6,335
Svealand ²	14	14	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Nonsuco ²	14	14	Amer.	No. Negros Sugar Co.	New York, N. Y.	Iloilo, P. I.	General	5,292
Krossfonn ^{1 2}	14	14	Nor.	Peechelbronn	Rotterdam, Neth.	Cabo Bl'co, Peru.	Ballast	
Treff, No. 3 ¹³	14	14	Ger.	Erste Deut. Walfang.	Hamburg, Ger.	Antarctic	Ballast	
Treff, No. 6 ¹³	14	14	Ger.	Erste Deut. Walfang.	Hamburg, Ger.	Antarctic	Ballast	
Treff, No. 8 ¹³	14	14	Ger.	Erste Deut. Walfang.	Hamburg, Ger.	Antarctic	Ballast	
Treff, No. 4 ¹³	14	14	Ger.	Henkel & Co.	Hamburg, Ger.	Antarctic	Ballast	
Treff, No. 1 ¹³	14	14	Ger.	Erste Deut. Walfang.	Hamburg, Ger.	Antarctic	Ballast	
Treff, No. 3 ¹³	14	14	Ger.	Erste Deut. Walfang.	Hamburg, Ger.	Antarctic	Ballast	
Jan Wellem ¹⁴	14	14	Ger.	Erste Deut. Walfang.	Hamburg, Ger.	Antarctic	Ballast	
Treff, No. 5 ¹³	14	14	Ger.	Erste Deut. Walfang.	Hamburg, Ger.	Antarctic	Ballast	
Arawa	14	15	Brit.	Shaw, Savill & Albion	London, England	Wellington, N. Z.	General	5,080
Stjerneborg ²	14	14	Dan.	C. K. Hansen	Boston, Mass.	Williams Hd., B.C.	Ballast	
Olney ¹	13	14	Amer.	Shell Oil Co.	Perth Amboy, N.J.	Los Angeles, Cal.	Ballast	
Barneveld	14	15	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	2,059
Port Bello ³	14	14	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Port Halifax ²	14	16	Brit.	Mont.-Aust.-N.Z. Line	Montreal, Canada	Adelaide, Aust.	General	7,313
West Ivis	14	15	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Los Angeles, Cal.	Gen., coffee	3,284
Robert Luckenbach	15	15	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	4,336
Ino ²	12	15	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	52
Sessa	15	15	Dan.	Wessel, Duval & Co.	Baltimore, Md.	Talcahuano, Chile	General	2,515
John Bakke ²	14	16	Nor.	Scand.-S. Pacific Line	Goth'burg, Swed.	San Antonio, Chile	General	2,887
Alkaid ²	15	15	Neth.	VanNievelt, Goudria'n	Bremen, Ger.	Vancouver, B. C.	Ballast	
Bogota ²	13	15	Ger.	North German Lloyd.	Cristobal, C. Z.	Guayaquil, Ecua.	General	308
Santa Inez ²	14	16	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile.	General	1,930
Pennsylvanian	15	15	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General	3,101
Ismo	6	16	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	430
Bradford City ²	15	16	Brit.	States Marine Corp.	Mobile, Ala.	Osaka, Japan.	Pig iron	9,000
City of Baltimore	15	16	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	3,881
Firmore	15	16	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Miramir ⁵	14		Pan.	Standard Fruit Co.	Cristobal, C. Z.	Gatun, C. Z.	(17)	
No. 3680 ¹⁵	14		Pan.	Standard Fruit Co.	Cristobal, C. Z.	Gatun, C. Z.	Bananas	10
Steel Inventor.	16	16	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Seattle, Wash.	Steel, gen	4,189
Wellington Court.	16	16	Brit.	Canadian Transp. Co.	Cardiff, Wales	Vancouver, B. C.	Ballast	
Asuka Maru ²	15	16	Jap.	Nippon Yusen Kaisha	La Guaira, Venez.	Yokohama, Japan	Cotton, gen	8,955
Silvercedar ²	16	16	Brit.	Weir S. S. Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Nuevo Panama ²	15	16	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Salina Cruz, Mex.	Ballast	
Athelcrown ^{1 2}	16	16	Brit.	United Molasses Co.	Birkenhead, Eng.	Hawaii	Ballast	
Sveadrott ^{1 2}	16	16	Swed.	Anglo-Saxon Pet. Co.	Malmö, Sweden	S. Francisco, Cal.	Ballast	
Santa Maria ¹	15	17	Amer.	Union Oil of Calif.	Cristobal, C. Z.	Los Angeles, Cal.	Ballast	

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁵ Launch. ⁸ Transport. ¹³ Whale catcher. ¹⁴ Whale factory.
¹⁵ Barge. ¹⁶ Lumber, pipe, general. ¹⁷ Towing barge No. 3680.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Cornish City ²	16	17	Brit.	Leeds Shipping Co.	Mobile, Ala.	Osaka, Japan.	Pig iron.	9,000
American Reefer	16	17	Dan.	J. Lauritzen	Hamburg, Ger.	Seattle, Wash.	Ballast	
Santa Isabel ²	15	17	Nic.	B. Guerrero	Bluefields, Nic.	Corinto, Nic.	Machinery	20
Florence Luckenbach.	17	17	Amer.	Luckenbach Line.	Houston, Tex.	Tacoma, Wash.	General.	4,198
Komaki Maru ²	17	17	Jap.	Kokusai Kisen Kaisha	Baltimore, Md.	Kobe, Japan.	Gas, cotton.	7,494
Port Sydney	17	17	Brit.	Port Line, Ltd.	Cardiff, Wales.	Fremantle, Aust.	General.	5,432
Barfleur ²	16	17	Fr.	Armements Maritimes	Dieppe, France.	Los Angeles, Cal.	Ballast	
Nozima Maru ²	17	17	Jap.	Nippon Yusen Kaisya	Philadelphia, Pa.	Kobe, Japan.	General.	7,639
San Angelo.	16	17	Amer.	Quaker Line.	Norfolk, Va.	San Diego, Calif.	General.	2,755
Rialto ²	16	17	Ital.	Italia Soc. An. Nav.	Trieste, Italy.	Vancouver, B. C.	General.	1,660
Gera	16	17	Ger.	Hamburg-Amer. Line.	New Orleans, La.	New Zealand	General.	6,509
Foylebank ²	17	17	Brit.	Bank Line, Ltd.	Boston, Mass.	Shanghai, China.	General.	3,591
M-101 ⁵			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Rhein ²	17	18	Ger.	Hamburg-Amer. Line.	Mobile, Ala.	Manila, P. I.	Gen., cotton.	8,346
Ousebridge.	17	18	Brit.	Crosby Son & Co.	So. Shields, Eng.	Vancouver, B. C.	Ballast	
Mabriton.	17	18	Brit.	Carlton S. S. Co.	Barry, England.	Vancouver, B. C.	Ballast	
Herman F. Whiton.	18	18	Amer.	Texas Gulf Sulph. Co.	Galveston, Tex.	Everett, Wash.	Sulphur.	6,050
Svenor ¹ ²	18	18	Nor.	S. Ugelstad Rederi	Antwerp, Belgium	San Diego, Calif.	Creosote	9,740
Acajula	11	19	Brit.	Pacific Steam Nav.Co.	Cristobal, C. Z.	Champ'ico, Guat.	General.	706
Katrina Luckenbach.	18	18	Amer.	Luckenbach Line.	New Orleans, La.	Tacoma, Wash.	General.	4,561
City of Lyons.	18	18	Brit.	Ellerman Hall Lines.	New York, N. Y.	Sydney, Aust.	General.	2,627
Ottawa ⁹	19	22	Brit.	Canadian Govt.	Halifax, N. S.	Los Angeles, Cal.	Ballast	
Restigouche ⁹	19	22	Brit.	Canadian Govt.	Halifax, N. S.	Los Angeles, Cal.	Ballast	
Kansai Maru ²	18	19	Jap.	Osaka Syosen Kaisya	Boston, Mass.	Kobe, Japan.	(14)	6,678
Houston City ²	19	19	Brit.	States Marine Corp.	New York, N. Y.	Kobe, Japan.	Scrap, gen.	9,133
Umlerleigh.	19	19	Brit.	TatumStream Nav.Co.	Barry, England.	Vancouver, B. C.	Ballast	
Kirisima Maru ²	19	19	Jap.	Kokusai Kisen Kaisha	Montreal, Canada	Yokohama, Japan	(15)	8,781
Treff, No. 2 ¹³	14	19	Ger.	Erste Deut. Walfang.	Hamburg, Ger.	Antarctic	Ballast	
Zouave.	19	19	Brit.	Chile Nit. Sales Corp.	No. Shields, Eng.	Tocopilla, Chile.	Ballast	
Argual.	19	19	Hond.	United Fruit Co.	Mobile, Ala.	Pto.Arm'les,R.P.	Ballast	
El Mirlo ¹ ²	19	19	Brit.	C. T. Bowring & Co.	Donges, France.	LaLibertad, Ecua	Ballast	
Hindanger ²	19	19	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
H. D. Collier ¹	19	19	Amer.	Standard Oil of Calif.	Hamburg, Ger.	S. Francisco, Cal.	Ballast	
Virginian.	19	19	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	4,034
Malayan Prince ²	19	19	Brit.	Prince Line, Ltd.	Boston, Mass.	Far East	General.	2,649
Amasis.	19	19	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Corral, Chile.	General.	2,515
Tuira ²	18		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona ²	18		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real ²	18		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu ²	18		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto.Arm'les,R.P.	General.	60
Virgilio ²	19	20	Ital.	Societa Italia	Genoa, Italy.	Valparaiso, Chile.	General.	929
Rigmor ¹ ²	19	20	Nor.	Anglo-Saxon Pet. Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast	
Temple Bar.	19	20	Brit.	Chile Nit. Sales Corp.	Birkenhead, Eng.	Chile	Ballast	
Albion Star.	19	20	Brit.	Blue Star Line.	Tyne, England.	Vancouver, B. C.	Ballast	
Niel Maersk ²	19	20	Dan.	A. P. Moller Co.	Baltimore, Md.	Iloilo, P. I.	General.	5,823
Loosdrecht ¹ ²	20	20	Neth.	Anglo-Saxon Pet. Co.	Hamburg, Ger.	Los Angeles, Cal.	Ballast	
Steel Seafarer.	20	20	Brit.	Isthmian S. S. Lines.	Baltimore, Md.	Saigon, China	General.	6,020
Balboa ²	19	20	Swed.	Johnson Line.	Goth'burg, Swed.	Valparaiso, Chile.	General.	1,448
Ripley ²	20	20	Brit.	Thomasson S. S. Co.	London, England	Rataul, Pac. Is.	General.	3,850
Santa Clara.	20	21	Amer.	Grace Line.	New York, N. Y.	SanAntonio,Chile	General.	2,920
Dresden ²	20	20	Ger.	North German Lloyd.	Hamburg, Ger.	Valparaiso,Chile.	General.	4,147
Escobal ⁵	20		Pan.	G. P. Hellon.	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
S-43 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	
Thorstrand ²	21	22	Nor.	Fred Olsen Line.	Glasgow, Scot.	S. Francisco, Cal.	Ballast	
Trois Ilets.	18	21	Fr.	French Line.	Cristobal, C. Z.	B'ventura, Col.	General.	177
S-45 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	
Oregon ²	20	21	Fr.	French Line.	Antwerp,Belgium	Vancouver, B. C.	General.	3,301
S-42 ⁷			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Norden ²	21	21	Dan.	Kawasaki K. Kaisha	CorpusChr'ti,Tex	Kobe, Japan.	General.	7,490
Preradovic.	21	21	J-Slav	Chile Nit. Sales Corp.	Flushing, Neth.	Chile	Ballast	
Washington.	21	21	Amer.	Weyerhaeuser S. S. Co	New York, N. Y.	Seattle, Wash.	Steel, gen.	4,127
Marore.	21	21	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Damsterdijk ²	20	21	Neth.	Holland-Amer. Line.	Rotterdam, Neth.	Vancouver, B. C.	General.	3,684
City of Kimberley	20	21	Brit.	Ellerman & Bucknall.	New York, N. Y.	Adelaide, Aust.	General.	3,710
William Luckenbach.	21	21	Amer.	Luckenbach Line.	Boston, Mass.	Seattle, Wash.	General.	4,693
San Bernardino.	20	21	Amer.	States S. S. Co.	Philadelphia, Pa.	Seattle, Wash.	General.	2,850
L. A. Christenson, ²	21	23	Nor.	Canadian Gulf Line.	Oslo, Norway.	Powell Riv., B. C.	Ballast	
Hawaiian.	21	21	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Tacoma, Wash.	General.	3,301
Porto Bello ⁵	21	21	Pan.	A. Tagaropoulos.	Cristobal, C. Z.	Real, R. P.	General.	3
Beduin ¹ ²	21	22	Nor.	A. O. Anderson Co.	Falmouth, Eng.	Los Angeles, Cal.	Ballast	
American.	22	22	Amer.	Amer.-Hawaiian Line.	Bridgeport, Conn.	Seattle, Wash.	General.	3,156

¹ Tanker.² Motor ship.³ Motor schooner.⁵ Launch.⁷ Submarine.⁹ Destroyer.¹³ Whaler.¹⁴ Scrap iron, oil, etc. ¹⁵ Gasoline, crude oil, scrap iron, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
City of Newport News.	22	23	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.	3,036
Alamar.	22	22	Amer.	Calmar Line.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,047
Penrith Castle ²	21	22	Brit.	Barber Line.	Boston, Mass.	Moji, Japan.	(15)	5,633
Nero ²	21	22	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	40
Istmo.	21	22	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	225
Imperial ²	22	22	Chile.	Cia. Sud Amer. de Vap.	Nakskov, Den.	Valparaiso, Chile.	General.	612
Macabi.	22	22	Pan.	United Fruit Co.	Boston, Mass.	Puntarenas, C. R.	General.	2,818
Clio ²	21	22	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General.	141
Durazzo.	20	22	Ger.	Hamburg-Amer. Line.	Manauere, Col.	Guayaquil, Ecu.	Salt, gen.	1,077
Loreto ²	21	23	Brit.	Pacific Steam Nav. Co.	Hull, England.	Valparaiso, Chile.	General.	3,500
Luis ²	22		Pan.	E. J. Hooper.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
J-52 ⁶			Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
J-56 ⁶			Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Steel Voyager.	22	23	Amer.	Isthmian S. S. Lines.	Portland, Me.	Tacoma, Wash.	Steel, tinpl'te	5,221
Ralph Talbot ⁹ .	23		Amer.	U. S. Navy.	H'pton Rds., Va.	Balboa, C. Z.	Ballast.	
Mugford ⁹ .	23		Amer.	U. S. Navy.	H'pton Rds., Va.	Balboa, C. Z.	Ballast.	
Lebore.	23	23	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.	
Wildwood.	23	23	Amer.	McCormick S. S. Co.	Albany, N. Y.	Seattle, Wash.	General.	2,341
Hawbnby.	23	23	Brit.	Ropner Shipping Co.	Montreal, Canada	Vancouver, B. C.	Ballast.	
Argentina ²	23	23	Swed.	Johnson Line.	Norrköping, Swed.	Vancouver, B. C.	(15)	4,310
Rossington Court.	23	24	Brit.	Canadian Transp. Co.	Barry, England.	Grays Har., Wash.	Ballast.	
Miramar ⁵	21		Pan.	Standard Fruit Co.	Cristobal, C. Z.	Gatun, C. Z.	(16)	10
No. 3680 ¹³	21		Pan.	Standard Fruit Co.	Cristobal, C. Z.	Gatun, C. Z.	(17)	3,609
San Clemente.	23	24	Amer.	Quaker Line.	Albany, N. Y.	Tacoma, Wash.	General.	1,708
West Cactus.	23	24	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Los Angeles, Cal.	General.	227
Europa ²	24	25	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General.	10,950
No. 8. Scofield ¹	24	26	Amer.	Anglo-Saxon Pet. Co.	Curacao, N. W. I.	S. Francisco, Cal.	Fuel oil.	1,339
Somersby.	23	24	Brit.	Sir R. Ropner & Co.	N. Shields, Eng.	Portland, Oreg.	Ballast.	
John Cabot.	20	24	Brit.	Grace Line.	Cristobal, C. Z.	Champ'ico, Guat.	General.	
Mallard ¹²			Amer.	U. S. Navy.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Flo ⁵			Pan.	W. L. Stilson.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Nathan ²	24		Pan.	E. J. Hooper.	Cristobal, C. Z.	Gatun, C. Z. ¹⁸		20
No. 5441 ¹³	24		Pan.	E. J. Hooper.	Cristobal, C. Z.	Gatun, C. Z. ¹⁹		20
Point Ancha.	25	25	Amer.	Swayne & Hoyt.	New Orleans, La.	Seattle, Wash.	General.	4,710
Berganger ²	25	25	Nor.	Intercean S. S. Co.	London, England.	Los Angeles, Cal.	Ballast.	
Kahuku.	25	25	Amer.	Matson Nav. Co.	Baltimore, Md.	Hawaiian Islands	Steel, gen.	4,453
Washington Express, ²	25	25	Nor.	Fruit Express Line.	Glasgow, Scot.	Seattle, Wash.	Ballast.	
Henderson ⁸ .	24	27	Amer.	U. S. Navy.	Norfolk, Va.	S. Francisco, Cal.	General.	878
Svithiod ¹	25	25	Pan.	Standard Oil of N. J.	Rotterdam, Neth.	Talara, Peru	Ballast.	
Winkleigh.	25	25	Brit.	W. J. Tatem & Co.	Barry, England.	Vancouver, B. C.	Ballast.	
Mersington Court.	25	25	Brit.	Chile Nit. Sales Corp.	Flushing, Neth.	Tocopilla, Chile.	Ballast.	
Snapper ⁷	24		Amer.	U. S. Navy.	Annapolis, Md.	Balboa, C. Z.	Ballast.	
Cumberland.	26	26	Brit.	Federal Steam Nav. Co.	Falmouth, Eng.	Auckland, N. Z.	General.	11,938
Loch Maddy.	25	26	Brit.	Seaboard Ship. Co.	Cardiff, Wales.	Vancouver, B. C.	Ballast.	
Zacapa.	25	26	Amer.	United Fruit Co.	Boston, Mass.	Pto. Arm'les, R. P.	Ballast.	
Filleigh.	26	26	Brit.	Kerr Gifford & Co.	Barry, England.	Portland, Oreg.	Ballast.	
Johilla.	26	26	Brit.	Canadian Transp. Co.	Mobile, Ala.	Vancouver, B. C.	General.	2,690
Azumasan Maru ²	26	26	Jap.	Mitsui Bussan Kaisha	New Orleans, La.	Osaka, Japan.	(20)	6,123
Sons ²	25		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Real ²	25	26	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Aguadulce, R. P.	General.	40
Rangitata ²	27	28	Brit.	N. Z. Shipping Co.	London, England	Wellington, N. Z.	Gen., frozen.	3,070
Sautore.	27	27	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.	
Mexican.	27	27	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	3,451
Borgestad ²	27	27	Nor.	Canadian Transp. Co.	Swansea, Eng.	Sta. Rosalie, Mex.	Coal dust.	6,207
Point Salinas.	27	27	Amer.	Swayne & Hoyt.	New Orleans, La.	Seattle, Wash.	(21)	5,492
Korana.	27	27	Y-Slav	Chile Nit. Sales Corp.	Rotterdam, Neth.	Tocopilla, Chile.	Ballast.	
Fortuna ³	26		Pan.	Hans Unger.	El Bluff, Nic.	Panama, R. P.	Lumber.	108
King Neptune ⁸ .	27	27	Brit.	Aust. Dispatch Line.	Cardiff, Wales.	Vancouver, B. C.	Ballast.	
Pacific President ²	27	27	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General.	546
Santa Maria ² .	27	28	Amer.	Grace Line.	New York, N. Y.	Valparaiso, Chile.	General.	3,535
Goodleigh.	27	28	Brit.	Anglo-Can. S. S. Co.	Sunderland, Eng.	Vancouver, B. C.	Ballast.	
Ardanbhan.	28	28	Brit.	Continental Grain Co.	Barry, England.	Seattle, Wash.	Ballast.	
Emergency Aid.	28	28	Amer.	McCormick S. S. Co.	Albany, N. Y.	Seattle, Wash.	General.	3,989
San Antonio.	26	28	Fr.	French Line.	Havre, France.	Vancouver, B. C.	Glass, steel.	3,052
Trois Ilets.	27	28	Fr.	French Line.	Cristobal, C. Z.	B'ventura, Col.	General.	20
Nero ² .	27	28	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	101
Evanger.	27	28	Nor.	General S. S. Corp.	Buenos Aires, Arg.	Vancouver, B. C.	General.	2,831
Porto Bello ³	28	28	Pan.	A. Tagaropoulos.	Cristobal, C. Z.	Real, R. P.	General.	3
Col. Riche ⁵ .			Amer.	U. S. Navy.	Cristobal, C. Z.	Gatun, C. Z.	Tow, barge.	
Marna.	28	29	Dan.	J. Lauritzen.	New York, N. Y.	Talcahuano, Chile	General.	1,980
Istmo.	27	29	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	642
Anglo Indian.	28	29	Brit.	Canadian Transp. Co.	Montreal, Canada	Victoria, B. C.	General.	2,189
Flomar.	29	29	Amer.	Calmar Line.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,797
K. I. Luckenbach.	29	29	Amer.	Luckenbach Line.	Boston, Mass.	Seattle, Wash.	General.	4,693

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁵ Launch. ⁷ Submarine. ⁸ Transport. ⁹ Destroyer.¹⁰ Mine sweeper. ¹² Barge. ¹⁴ Scrap steel, general. ¹⁵ General, paper, pulp, etc.¹⁷ Bananas from Gatun Lake. ¹⁸ For bananas and towing barge No. 5441. ¹⁹ For bananas and return. ²⁰ Rosin, pig iron.²¹ Pipe, steel, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
City of Mandalay	29	29	Brit.	Ellerman & Bucknall.	Baltimore, Md.	Dairen, China...	General...	6,570
Ino ²	27	29	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General...	71
Cachapoa	28	29	Chile.	Cia. Sud. Amer. de Vapores.	Liverpool, Eng.	Valparaiso, Chile.	Ballast...	
Frank ³	29		Pan.	E. J. Hooper	Cristobal, C. Z.	Balboa, C. Z.	Ballast...	
Glorian ⁵	20		Pan.	W. B. Boggs	Cristobal, C. Z.	Balboa, C. Z.	Ballast...	
Miramar ⁵	28		Pan.	C. J. Samuels	Cristobal, C. Z.	Gatun, C. Z.	(14)	
No. 3680 ¹³	28		Pan.	C. J. Samuels	Cristobal, C. Z.	Gatun, C. Z. ¹⁶		10
Minnesotan	30	30	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General...	3,850
Eknaren ²	29	30	Swed.	Transatlantic S. S. Co.	Goth'burg, Swed.	S. Francisco, Cal.	Ballast...	
Eugenie S. Embiricos.	30	30	Greek.	S. J. Embiricos	Rotterdam, Neth.	Vancouver, B. C.	Ballast...	
Bidevind ²	30	30	Nor.	Silver Line.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast...	
Cerigo	27	30	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Callao, Peru...	General...	720
Sage Brush	30	30	Amer.	Shepard S. S. Co.	Boston, Mass.	Tacoma, Wash.	General...	5,187
Knute Nelson ²	30	1	Nor.	Fred Olsen & Co.	Oslo, Norway	Vancouver, B. C.	General...	3,097
Lady Glanely ²	30	31	Brit.	Seaboard Ship. Co.	London, England	Vancouver, B. C.	Ballast...	
King Stephen ²	30	31	Brit.	Westmoor.	Gibarra, Cuba.	Brit. Columbia	Ballast...	
Port Huon ²	31	31	Brit.	Port Line, Ltd.	Middlesb'h, Eng.	Wellington, N. Z.	Gen., steel	8,545
Treacrell ¹	31	31	Brit.	A. D. Midland Co.	Cardiff, Wales	Portland, Oreg.	Ballast...	
Hegira	31	31	Amer.	Pac. Coast Dir. Line.	Norfolk, Va.	Seattle, Wash.	General...	2,757
Nuevo Panama ²	27	31	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Salina Cruz, Mex.	Ballast...	
Edgar F. Luckenbach.	31	31	Amer.	Luckenbach Line.	Houston, Tex.	Tacoma, Wash.	General...	5,422
Itauri	30	1	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General...	5,448
Ferncourt ^{1 2}	1	1	Nor.	Petrofina	Dunkerque, Fr.	Talara, Peru	Ballast...	
Embassage	1	1	Brit.	Anglo-Can. S. S. Co.	Barry, England	Vancouver, B. C.	Ballast...	
Lihue	1	1	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Los Angeles, Cal.	General...	4,771
President de Vogue ^{1 2}	31	1	Nor.	Comp. des Prod. Chimiques et Raff.	Pt. de Bouc, Fr.	Talara, Peru	Ballast...	
Steele	1	1	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast...	
Blythmoor	1	1	Brit.	Seaboard Ship. Co.	Newcastle, Eng.	Vancouver, B. C.	Ballast...	
Kinai Maru ²	31	1	Jap.	Osaka Shosen Kaisha.	London, England	Dairen, China	General...	6,615
Reina	1	1	J-Slav.	Prekomorska Phov'ba	Rotterdam, Neth.	Portland, Oreg.	Ballast...	
San Ambrosio ^{1 2}	1	2	Brit.	Eagle Oil Co.	Dublin, Ireland	S. Francisco, Cal.	Ballast...	
Queen Victoria ²	1	1	Brit.	Thos. Dunlop & Sons.	Newcastle, Eng.	Seattle, Wash.	Ballast...	
Idlesleigh	1	2	Brit.	W. J. Tatem, Ltd.	Barry, England	N. Pacific port	Ballast...	
Breda	31	1	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General...	3,265
Carrillo	31	2	Amer.	United Fruit Co.	Boston, Mass.	Pto. Arm'les, R. P.	Ballast...	
Astoria ²	1	2	Dan.	Isbrandtsen Moller.	Baltimore, Md.	Manila, P. I.	General...	4,086
La Plata Maru ²	1	2	Jap.	Osaka Syosen Kaisya	Buenos Aires, Arg.	Kobe, Japan	General...	4,507
Salvador	25	2	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General...	975
Margrethe Bakke ²	1	2	Nor.	Knutsen Line	Belfast, Ireland	Vancouver, B. C.	Ballast...	
Karm ²	1	5	Nor.	Chile Nit. Sales Corp.	Charleston, S. C.	Chile	Ballast...	
Valparaiso ²	1	2	Swed.	Johnson Line	Goth'burg, Swed.	Valparaiso, Chile.	Cement, gen.	1,246
Silversandor ²	1	2	Brit.	Kerr S. S. Co.	New York, N. Y.	Manila, P. I.	General...	4,622
San Calisto ^{1 2}	1	2	Brit.	Anglo-Saxon Pet. Co.	Aruba, N. W. I.	Los Angeles, Cal.	Ballast...	
Gracia	2	2	Brit.	Donaldson Line	Glasgow, Scotland	Vancouver, B. C.	General...	1,572
Nurtureton	2	2	Brit.	Canada Shipping Co.	Rio de Janeiro.	Vancouver, B. C.	Ballast...	
Ortova	31	3	Hond.	United Fruit Co.	Baltimore, Md.	Pto. Arm'les, R. P.	Ballast...	
Slemmestad ²	2	2	Nor.	Fern Line	Montreal, Canada	Yawata, Japan	(18)	7,104
Ambassador	2	2	Brit.	Chile Nit. Sales Corp.	Barry, England	Chile	Ballast...	
Alabaman	2	3	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General...	4,083
Sambu ²	1	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General...	65
Nathan ²	2		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹⁵		20
Geo. M. Embiricos	2	3	Greek.	S. G. Embiricos	Barry, England	Brit. Columbia	Ballast...	
Ewa	3	3	Amer.	Matson Nav. Co.	Baltimore, Md.	Hawaiian Islands	(17)	1,862
Persephone ^{1 2}	3	3	Pan.	W. Tankerschiff Rhed'f.	Caripito, Venez.	Tocopilla, Chile.	Fuel oil	11,591
Hoxbar ¹	3	3	Amer.	Petrol Corp.	Philadelphia, Pa.	Los Angeles, Cal.	Ballast...	
Amerikaland ²	3	3	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast...	
Kostis	3	3	Greek.	Mrs. V. Vemiraki	Barry, England	Los Angeles, Cal.	Ballast...	
Kaipara ²	3	4	Brit.	Mont.-Aust.-N.Z. Line	Barrow, England	Dunedin, N. Z.	General...	7,032
Cachapa ²	27		Amer.	U. S. Navy	New York, N. Y.	Balboa, C. Z.	Ballast...	
Cutcliffe ⁷	29		Amer.	U. S. Navy	U. S. port.	Balboa, C. Z.	Ballast...	
Jefferson Myers.	3	4	Amer.	Quaker Line.	Albany, N. Y.	Seattle, Wash.	General...	3,070
Hermion ²	3	4	Nor.	W. Line	Baltimore, Md.	Kobe, Japan	General...	7,551
Heina ²	3	4	Nor.	K. I. Trading Co.	Cardiff, Wales	Vancouver, B. C.	Ballast...	
Sawoka ²	2	4	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Shanghai, China	General...	6,533
Ionic Star	4	4	Brit.	Blue Star Line.	Newcastle, Eng.	N. Westm'er, B. C.	Ballast...	
Yomachichi ²	4	4	Amer.	Roosevelt S. S. Co.	New York, N. Y.	Adelaide, Aust.	General...	4,231
Orbita	3	4	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile.	General...	2,545
Walter A. Luckenbach.	4	4	Amer.	Luckenbach Line.	Boston, Mass.	Seattle, Wash.	General...	3,842
Trois Ilets	3	4	Fr.	French Line	Cristobal, C. Z.	Manta, Ecuador	General...	44
Oakland ²	3	4	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B. C.	General...	5,073
Istmo	3	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General...	895
Frank ³	4		Pan.	E. J. Hooper	Cristobal, C. Z.	Balboa, C. Z.	Ballast...	

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁵ Launch. ⁷ Submarine. ¹³ Barge. ¹⁴ Towing barge No. 3680.
¹⁵ For bananas and return to Cristobal. ¹⁶ Scrap iron, tin. ¹⁷ General, fertilizer, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Porto Bello ³	4	4	Pan.	A. Tagaropoulos.....	Cristobal, C. Z.	Real, R. P.	General.....	3
Joan ⁵	24	24	Pan.	D. McAllister.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
Dallington Court.....	4	5	Brit.	Haldin & Philipps.....	Barry, England.	Pacific coast	Ballast.....	
W. H. Berg ¹	5	5	Amer.	Standard Oil of Calif.	Hamburg, Ger.	S. Francisco, Cal.	Ballast.....	
Montanan.....	5	5	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General.....	3,295
Santa Rita ²	4	5	Amer.	Grace Line.....	New York, N. Y.	Chanaral, Chile.	General.....	2,540
Coloradan.....	5	5	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Seattle, Wash.	General.....	3,965
Clio ²	4	5	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.....	97
Nero ²	3	5	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Manta, Ecuador	General.....	91
City of Los Angeles.....	5	6	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.....	4,015
Waimarama ²	5	5	Brit.	Shaw, Savill & Albion	Liverpool, Eng.	Pt. Chalmers, N.Z.	Gen., expl.	4,407
Canadian Constructor.	5	6	Brit.	Mont.-Aust.-N.Z. Line	Pt. Alfred, Can.	Sydney, Aust.	Newsprint.....	4,600
Narenta.....	5	5	Brit.	Royal Mail Lines.....	Swansea, Eng.	N. West'er, B. C.	Ballast.....	
Miramar ⁵	4	4	Pan.	C. J. Samuels.....	Cristobal, C. Z.	Gatun, C. Z. ¹⁶		
No. 3680 ¹³	4	4	Pan.	C. J. Samuels.....	Cristobal, C. Z.	Gatun, C. Z. ¹⁷		10
Hagan ¹	5	6	Amer.	Penn. Shipping Co.	PerthAmboy, N.J.	Los Angeles, Cal.	Ballast.....	
Monkleigh.....	6	6	Brit.	Seaboard Ship. Co.	Barry, England.	Vancouver, B. C.	Ballast.....	
Eastern Guide.....	6	6	Amer.	Prudential S. S. Co.	Norfolk, Va.	Los Angeles, Cal.	General.....	3,200
Bastidas ⁴	6	6	Col.	Colombian Govt.	Barranquilla, Col.	Balboa, C. Z.	Drydocking.....	
Bogota ²	4	6	Ger.	North German Lloyd.	Cristobal, C. Z.	Callao, Peru.	General.....	342
Chickasaw City.....	6	6	Amer.	Isthmian S. S. Lines.	Portland, Oreg.	Seattle, Wash.	(¹⁵)	3,962
Pacific Exporter ²	7	7	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General.....	296
Canal Chacao ¹⁴	4	7	Chile.	Chilean Govt. R. R.	Copenhagen, Den.	Iquique, Chile.	Ballast.....	
Sheaf Crown.....	7	8	Brit.	Continental Grain Co.	Galveston, Tex.	Geelong, Aus'lia.	Sulphur.....	7,802
Chilean Reefer ²	7	7	Dan.	J. Lauritzen.....	Rotterdam, Neth.	Los Angeles, Cal.	Ballast.....	
Minerva ²	7	7	Nor.	Chile Nit. Sales Corp.	Jacksonville, Fla.	Tocopilla, Chile.	Ballast.....	
Gryfevale.....	7	7	Brit.	Chile Nit. Sales Corp.	Alexandria, Egypt	Ant'fagasta, Chile	Ballast.....	
Chilore.....	7	7	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.....	
District of Columbia. ¹	7	7	Amer.	Standard Oil of Calif.	New York, N. Y.	Los Angeles, Cal.	Petroleum.....	2,750
Pereira.....	3	8	Pan.	Grace Line.....	Cristobal, C. Z.	Champ'ico, Guat.	General.....	1,238
Nicolaou Zografias.....	7	8	Greek.	George Nicolaou.....	Amsterdam, Neth.	Brit. Columbia.	Ballast.....	
Yamagiri Maru ²	7	8	Jap.	Yamashita K. Kaisha	Buenos Aires, Arg.	Kobe, Japan.	Gen., cotton.	6,291
Nordnes.....	8	8	Nor.	States Marine Corp.	Baltimore, Md.	Valparaiso, Chile.	R.R. material	6,146
Athelprincess ¹	8	8	Brit.	Daido Kaum Kab. K.	Birkenhead, Eng.	Los Angeles, Cal.	Ballast.....	
Alondra.....	7	8	Chile.	Chilean State Ry.	Liverpool, Eng.	Valparaiso, Chile.	Ballast.....	
Aachen.....	7	8	Ger.	North German Lloyd.	Hamburg, Ger.	Corral, Chile.	General.....	7,065
Evagoras.....	8	9	Brit.	Troodos Ship. Co.	Barry, England.	Brit. Columbia.	Ballast.....	
Nicoline Maersk ²	8	9	Dan.	A. P. Moller.....	Baltimore, Md.	Yokohama, Japan	Scrap rails.....	7,350
Ardangorm.....	9	9	Brit.	Canadian Ship. Co.	Glasgow, Scot.	Brit. Columbia.	Ballast.....	
Turrialba.....	8	9	Amer.	United Fruit Co.	New York, N. Y.	Pto. Arm'ies, R.P.	Ballast.....	
Lochgool ²	8	10	Brit.	N. Pac. Coast Line.	Rotterdam, Neth.	Portland, Oreg.	General.....	1,621
Tropic Star ²	9	9	Nor.	Chile Nit. Sales Corp.	Norfolk, Va.	Tocopilla, Chile.	Ballast.....	
Fernbank ²	9	9	Nor.	Fern Line.....	Mobile, Ala.	Moji, Japan.	(¹⁵)	7,140
Torvanger.....	9	10	Nor.	Chile Nit. Sales Corp.	Rotterdam, Neth.	Iquique, Chile.	Ballast.....	
Carolinian.....	9	9	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.....	2,782
Sacramento Valley.....	9	10	Brit.	Jefferson Lake Oil Co.	Freeport, Tex.	Freemante, Aust.	Sulphur.....	7,600
Tuira ²	8	9	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Real ²	8	9	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General.....	50
Sona ²	8	9	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General.....	20
Taybank ²	9	10	Brit.	Regular Service.	New Orleans, La.	Los Angeles, Cal.	Ballast.....	
Losada ²	9	19	Brit.	Pacific Steam Nav. Co.	Hull, England.	Coronel, Chile.	General.....	2,309
Oakmar.....	9	10	Amer.	Calmar Line.....	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,924
Litiopa ¹	10	10	Nor.	Petroleo Mexicano.	Tampico, Mexico	Manzanillo, Mex.	Fuel, gas oil.	7,129
Peter Kerr.....	9	10	Amer.	States S. S. Co.	Norfolk, Va.	Seattle, Wash.	(²⁰)	3,372
Danio ²	10	10	Nor.	N. Atl. & Gulf S. S. Co.	Baltimore, Md.	Chicama, Peru.	Ballast.....	
San Mateo.....	10	10	Fr.	French Line.....	Havre, France.	Vancouver, B. C.	Gen., chalk.	1,927
Acacia ¹⁵	10	10	Amer.	U. S. Government.....	San Juan, P. R.	Balboa, C. Z.	Drydocking.....	
Nordstjernan ²	10	10	Swed.	Johnson Line.....	Stockholm, Swed.	Vancouver, B. C.	Gen., paper	4,370
Sea Horse ⁵	9	9	Amer.	N. E. Parker.....	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
La Union ²	9	9	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	

PACIFIC TO ATLANTIC

Liberty Glo.....	10	11	Amer.	Amer.-For. S. S. Corp.	Olympia, Wash.	Bridgeport, Conn.	Lumber.....	7,600
Munchen ²	10	11	Ger.	North German Lloyd.	Corral, Chile.	Hamburg, Ger.	General.....	6,652
Point Palmas.....	11	11	Amer.	Swayne & Hoyt.....	Portland, Oreg.	Tampa, Fla.	General.....	6,398
Santa Maria ²	11	11	Amer.	Grace Line.....	Valparaiso, Chile.	New York, N. Y.	General.....	4,173
Acajutla.....	11	18	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	(²¹)	563
Texan.....	11	11	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General.....	9,220
Real ²	11	12	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	22
Sona ²	11	12	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	29
La Union ²	12	12	Pan.	A. A. Valdes.....	Darien, R. P.	Cristobal, C. Z.	Bananas.....	29
Sambu ²	11	12	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	47

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ¹³ Barge. ¹⁴ Ferry. ¹⁵ Lighthouse tender.
¹⁶ Towing barge No. 3680. ¹⁷ For bananas and return to Cristobal. ¹⁸ Steel products, general. ¹⁹ Cotton, pig iron.
²⁰ General, automobiles, oil. ²¹ Wood, coffee, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Porto Bello ²	11	11	Pan.	A. Tagaropoulos.	Darien, R. P.	Colon, R. P.	(15)	4
Tacoma	11	13	Ger.	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	(16)	8,237
Mostun ²	11	12	Nor.	Neptune Shipping Co.	S. Francisco, Cal.	Liverpool, Eng.	Fresh fruit.	1,600
Frida	11	12	Dan.	West Coast Line	Talcahuano, Chile	New York, N. Y.	Nitrate, gen.	2,655
Cressington Court ²	11	12	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Quebec, Canada	Lumber, gen.	7,350
Texmar	12	12	Amer.	Calmar Line	Tacoma, Wash.	New York, N. Y.	Lumber.	6,786
Horace Luckenbach.	12	12	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	9,604
Ino ²	12	15	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	(17)	554
Tairoa	12	12	Brit.	Shaw, Savill & Albion	Gladstone.	London, England	Frozen, gen.	6,966
Amerikaland ²	12	13	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore.	22,250
Trontolite ^{1 2}	12	13	Brit.	Imperial Oil Co.	Talara, Peru	Montreal, Canada	(18)	7,618
Rangitane ²	12	13	Brit.	N. Z. Shipping Co.	Auckland, N. Z.	London, England	Frozen, gen.	5,950
Bogota ²	12	15	Ger.	North German Lloyd.	Guayaquil, Ecua.	Cristobal, C. Z.	General.	1,026
Nero ²	13	15	Neth.	Royal Neth. S. S. Co.	Tumaco, Col.	Cristobal, C. Z.	Coffee.	300
California Standard. ^{1 2}	12	12	Pan.	Anglo-Amer. Oil Co.	El Segundo, Calif.	Avonmouth, Eng.	Gasoline.	15,269
Pennmar.	12	13	Amer.	Calmar Line.	Portland, Oreg.	Baltimore, Md.	Lum., copper	7,060
Faleon.	12	13	Amer.	Grace Line.	Valparaiso, Chile.	Baltimore, Md.	Ores, sugar.	3,691
Reginolite ^{1 2}	12	13	Brit.	Imperial Oil Co.	Talara, Peru	Halifax, N. S.	Crude oil.	12,200
Martin Bakke ²	12	13	Nor.	Knutsen Line.	Los Angeles, Cal.	Glasgow, Scot.	(19)	7,734
Montgomery City	12	13	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Baltimore, Md.	(20)	8,382
Woodcock ⁴	13		Amer.	U. S. Navy	Balboa, C. Z.	Guanta'o, Cuba.		
Patria ²	13	14	Ger.	Hamburg-Amer. Line.	Valparaiso, Chile.	Hamburg, Ger.	General.	5,551
Karmt ²	13	14	Nor.	Chile Nit. Sales Corp.	Iquique, Chile.	Wilmington, N.C.	Nitrate.	8,849
San Diego	14	15	Fr.	French Line	Vancouver, B. C.	Rotterdam, Neth.	General.	6,691
Georgian.	14	14	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General.	8,900
Lobos ²	14	14	Brit.	Pacific Steam Nav. Co.	Antof'gasta, Chile	Hull, England	General.	8,420
Poseidon	14	14	Ger.	Hamburg-Amer. Line.	Salaverry, Peru.	Hamburg, Ger.	General.	7,956
Lena Luckenbach	14	14	Amer.	Luckenbach Gulf Co.	Astoria, Wash.	Mobile, Ala.	Lumber, gen.	6,725
Villanger ²	14	14	Nor.	Interocean S. S. Corp.	Vancouver, B. C.	Ha'vre, France.	General.	7,349
Lancaster	15	15	Swed.	Transatlantic S. S. Co.	Port Pirie, Aust.	London, England	(21)	8,519
Hoxbar ¹	15	15	Amer.	Weyerhaeuser S.S. Co.	Portland, Oreg.	New York, N. Y.	(22)	8,845
Tampico ¹	15	15	Amer.	Petrol Corp.	Pt. Petrol, Calif.	Philadelphia, Pa.	Crude oil.	10,191
Julia Luckenbach.	15	16	Ital.	F. A. Gibson, Ltd.	S. Luis Obispo, Cal.	Trieste, Italy.	Crude oil.	6,305
Orotava	15	15	Hond.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	(23)	9,894
Nuevo Panama ²	15	16	Pan.	United Fruit Co.	Pto. Arm'les, R. P.	Baltimore, Md.	Bananas.	1,100
Santa Maria ¹	15	17	Amer.	Elliot Ship & Land Co.	B'ventura, Cal.	Cristobal, C. Z.	Coffee.	212
Steelore	16	16	Amer.	Union Oil Co. of Calif.	Los Angeles, Cal.	Cristobal, C. Z.	Diesel oil.	11,600
El Oso ¹	16	16	Brit.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore.	21,800
Canada ²	16	16	Brit.	C. T. Bowring & Co.	La Libertad, Ec.	Ellesmere, Eng.	(24)	9,970
Myrtlebank ²	16	16	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den.	General.	9,252
H. M. Storey ¹	16	16	Brit.	Bank Line, Ltd.	Cairns, Australia.	Montreal, Canada	Sugar.	8,293
Nore ^{1 2}	16	16	Amer.	Standard Oil of Calif.	Esterio Bay, Calif.	Ha'vre, France.	Crude oil.	13,691
Wearpool ²	16	16	Pan.	Anglo-Saxon Pet. Co.	Richmond, Calif.	Curacao, N. W. I.	(25)	12,095
Jutland	16	16	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	London, England	General.	8,340
Wind Rush.	16	16	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	Liverpool, Eng.	Wheat, lum.	9,400
Tropic Star.	16	16	Nor.	Shepard S. S. Co.	Astoria, Oreg.	Boston, Mass.	Lumber, gen.	8,222
Agios Georgios IV	16	16	Greek.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Wilmington, N.C.	Nitrate.	8,280
Navarino	16	17	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	London, England	Wheat, lum.	8,330
Nebraskan	16	17	Amer.	Canadian Transp. Co.	Portland, Oreg.	Grangem'th, Scot.	Wheat, lum.	8,334
Santa Rita ²	17	17	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General.	9,686
Lochavon ²	17	17	Amer.	Grace Line	Chanaral, Chile.	New York, N. Y.	(26)	3,526
Maine	17	18	Brit.	Royal Mail Lines	Victoria, B. C.	Rotterdam, Neth.	General.	9,306
Alkmaar	17	18	Amer.	Calif.-Eastern Line.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,364
General Wm. M. Graham. ¹¹	17	18	Neth.	Royal Neth. S. S. Co.	Talcahuano, Chile	Hamburg, Ger.	General.	9,762
Goon ⁵	17		Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Trois Ilets	17	21	Amer.	25th Squadron Fund.	Balboa, C. Z.	Cristobal, C. Z.	(27)	438
Barendrecht ^{1 2}	18	18	Neth.	French Line	B'ventura, Col.	Cristobal, C. Z.		
Gertrude Maersk ²	18	18	Neth.	W. Tankerschiff Rhed'i	Talara, Peru	Rotterdam, Neth.	Gasoline.	13,887
Frimaire ¹	18	19	Dan.	Isbrandtsen Moller.	Bugo, P. I.	Baltimore, Md.	General.	6,726
Napier Star	18	18	Fr.	Raffineries de Berre.	Talara, Peru	Berre, France.	Crude oil.	13,180
Hermouthis ²	18	18	Brit.	Blue Star Line.	Auckland, N. Z.	London, England	Frozen, gen.	8,536
Real ²	18	18	Ger.	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger.	General.	6,085
Sona ²	18	19	Pan.	Elliot Ship & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	29
Tuira ²	18	19	Pan.	Elliot Ship & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	27
Sambu ²	18	19	Pan.	Elliot Ship & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	38
M-101 ⁵	18		Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Bananas.	46
Porto Bello ²	18	18	Pan.	A. Tagaropoulos.	Darien, R. P.	Colon, R. P.	(28)	8
City of Los Angeles.	18	19	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General.	7,021
Dalveen	16	19	Brit.	Phosphates d'Oceanic	Makatea, T. A.	Landskrona, Swed.	Phosphate.	7,650
Columbian.	19	19	Brit.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	6,513
Gogovale.	19	19	Brit.	Chile Nit. Sales Corp.	Iquique, Chile.	Azores ²⁹	Nitrate.	7,310

¹ Tanker. ² Motor ship. ³ Tug. ⁴ Launch. ⁵ Mine planter. ¹⁵ Plants, empty drums. ¹⁶ Lumber, fruit, general. ¹⁷ Cacao, coffee, general. ¹⁸ Casinghead, gasoline. ¹⁹ Lumber, fruit, general. ²⁰ Lumber, pulp, general. ²¹ Copra, cocoa, general. ²² Lumber, lead, general. ²³ Canned and dried fruits. ²⁴ Oil, grades A and B. ²⁵ Kerosene distillate. ²⁶ Sugar, copper, coffee. ²⁷ Coffee, ivory, wax. ²⁸ Plantains, oranges. ²⁹ For orders.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Tigre ²	19	20	Nor.	Fred Olsen Line	S. Francisco, Cal.	Oslo, Norway	(¹⁴)	6,158
Minerva ²	19	20	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile	Savannah, Ga.	Nit. of soda	9,400
Quito ²	20	29	Ger.	North German Lloyd	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	986
Nero ²	20	22	Neth.	Royal Neth. S. S. Co.	Tumaco, Col.	Cristobal, C. Z.	Coffee, hides	383
Temple Yard	19	20	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	London, England	Lumber, gen.	8,828
Vinni ²	20	21	Nor.	Kawasaki K. Kaisha	Kobe, Japan	New York, N. Y.	Silk, general	2,800
Edwin Christenson	20	20	Amer.	Sudden & Christenson	So. Bend, Wash.	Baltimore, Md.	Lumber	7,591
Harry Luckenbach	20	20	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	10,000
Pileot	20	20	Brit.	Seaboard Ship. Co.	Victoria, B. C.	Montreal, Canada	Lumber	6,950
Keiyo Maru ²	20	21	Jap.	Nippon Yusen Kaisha	Keelung, China	Philadelphia, Pa.	Sugar, gen.	8,633
John Cabot	20	24	Brit.	Grace Line	Champico, Guat.	Cristobal, C. Z.	General	183
Glorian ⁵	20	29	Amer.	W. B. Boggs	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Lagarto ²	20	21	Brit.	Pacific Steam Nav. Co.	Talahuanu, Chile	Hull, England	General	6,608
Port Hunter	20	21	Brit.	Port Line, London	New Zealand	London, England	Frozen, gen.	2,288
Clio ²	21	22	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, wood	532
Istmo	21	22	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	730
Elstree Grange	21	22	Brit.	Furness, Withy & Co.	Portland, Oreg.	Glasgow, Scot.	Fruit, gen.	4,304
Marija Petrinovic	20	21	Y-Slav	Chile Nit. Sales Corp.	Tocopilla, Chile	Alexandria, Egypt	Nit. of soda	8,330
Ensley City	21	21	Amer.	Isthmian S. S. Lines	Kahului, T. H.	Baltimore, Md.	(¹⁵)	7,654
Maranon	21	21	Peru	C. P. V. D.	Callao, Peru	Iquitos, Peru	General	572
Krossfont ^{1 2}	21	21	Nor.	Pechelbronn, Paris	Cabo Blanco, Peru	Donges, France	Crude oil	15,399
Bonington Court ²	21	21	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Hull, England	(¹⁶)	7,913
W. S. Rheem ¹	22	22	Amer.	Standard Oil of Calif.	San Luis, Calif.	Dunkergue, Fr.	Oil, grade C	14,022
San Cipriano ²	21	22	Brit.	Eagle Oil & Ship. Co.	Los Angeles, Calif.	Aruba, N. W. I.	Gasoline	11,726
Yamaura Maru	22	22	Jap.	Yamashita K. Kaisha	Yokohama, Japan	Buenos Aires, Arg.	(¹⁷)	8,590
Leme ²	20	23	Ital.	Italia, S. A. N.	Vancouver, B. C.	Trieste, Italy	General	6,860
Nestos	22	22	Greek	De Ventas de Salitre	Antofagasta, Chile	Azores	Nitrate	8,400
Argual	22	22	Hond.	United Fruit Co.	Pto. Arm's, R. P.	Baltimore, Md.	Bananas	880
Royal Star	22	22	Brit.	Blue Star Line	N. Westm'er, B. C.	Newcastle, Eng.	Fruit, gen.	6,759
Leipzig ²	22	23	Ger.	North German Lloyd	Corral, Chile	Hamburg, Ger.	General	6,121
Ferncliff ²	22	23	Nor.	Chile Nit. Sales Corp.	Iquique, Chile	Savannah, Ga.	Nit. of soda	7,750
San Calisto ^{1 2}	23	23	Brit.	Eagle Oil & Ship. Co.	Martinez, Calif.	Aruba, N. W. I.	Gasoline	11,693
Sandham ²	23	23	Swed.	Seaboard Shipping Co.	Woodfibre, B. C.	Philadelphia, Pa.	(¹⁸)	7,330
San Lucas	23	23	Amer.	Pac. Atlantic S. S. Co.	Longview, Wash.	Philadelphia, Pa.	Lumber, gen.	9,800
Ruahine	22	23	Brit.	N. Z. Shipping Co.	Wellington, N. Z.	London, England	Frozen, gen.	5,624
Point Caleta	23	23	Amer.	Gulf-Pacific Line	Portland, Oreg.	Tampa, Fla.	Lumber, gen.	6,350
Harbledown	24	24	Brit.	Seaboard Shipping Co.	Port Alice, B. C.	Boston, Mass.	Lumber, pulp	7,900
Australian Reefer ²	24	24	Dan.	J. Lauritzen	Seattle, Wash.	Haifa, Palestine	Fruit	1,763
Rose ²	24	24	Nor.	Fred Olsen & Co.	N. Westm'er, B. C.	Liverpool, Eng.	Fresh fruit	1,553
Eskdene	24	25	Brit.	Lautons Nitrate	Antofagasta, Chile	Azores ¹⁸	Nitrate	6,300
City of San Francisco	24	25	Amer.	Nampan-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	6,875
Portland ²	25	25	Ger.	Hamburg-Amer. Line	Vancouver, B. C.	Hamburg, Ger.	General	6,282
Vega	24	28	Amer.	U. S. Navy	Bremerton, Wash.	Boston, Mass.	Navy stores	2,909
Salvador	25	2	Brit.	Pacific Steam Nav. Co.	Champico, Guat.	Cristobal, C. Z.		276
Santa Lucia	24	25	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	5,723
San Jose	25	26	Fr.	French Line	Vancouver, B. C.	Rotterdam, Neth.	General	4,947
Arkansas	25	25	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	General	8,556
Waynegate	25	25	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile	Azores ¹⁸	Nit. of soda	8,556
Maria de Larrinaga	25	25	Brit.	Seaboard Shipping Co.	Pt. Alberni, B. C.	Hull, England	Lum., grain	8,080
Mosfruit ²	25	26	Nor.	M. Mosvold	Los Angeles, Cal.	Rotterdam, Neth.	Fresh fruit	1,803
Porto Bello ²	25	25	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(¹⁹)	6
Real ²	25	26	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	31
Sona ²	25	26	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	16
Luis ²	25	26	Pan.	A. A. Valdes	Bayano, R. P.	Cristobal, C. Z.	Bananas	16
Tai Yin ²	25	27	Nor.	Wilh. Wilhelmsen	Davao, P. I.	New York, N. Y.	General	7,799
Pacific Pioneer ²	26	26	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	Fruit, gen.	8,627
Gertrude Kellogg ¹	26	26	Amer.	Kellogg S. S. Corp.	Manila, P. I.	New York, N. Y.	Coconut oil	6,685
Dakotan	26	26	Amer.	Amer.-Hawaiian Line	Astoria, Oreg.	Boston, Mass.	General	6,856
Hanley	26	26	Amer.	Weyerhaeuser S. S. Co.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	9,308
Gregalia	25	26	Brit.	Donaldson Line	Victoria, B. C.	Glasgow, Scot.	General	6,551
British Columbia Express ²	26	26	Nor.	Fruit Express Line	Seattle, Wash.	Glasgow, Scot.	Fresh fruit	2,425
Trondanger ²	26	27	Nor.	Interocean S. S. Corp.	Seattle, Wash.	Stockholm, Swed.	Grain, gen.	8,047
Bodegraven	26	27	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	7,303
Axel Johnson ²	27	28	Swed.	Johnson Line	Vancouver, B. C.	Stockholm, Swed.	(²⁰)	6,227
Paul Luckenbach	27	27	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	9,000
Nuevo Panama ²	27	1	Pan.	Elliot Ship. & Land Co.	Puntarenas, C. R.	Cristobal, C. Z.	Ballast	
Trois Ilets	28	28	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	300
Cerigo	27	30	Ger.	Hamburg-Amer. Line	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, hides	961
Lailla	27	28	Dan.	J. Lauritzen	Talahuanu, Chile	New York, N. Y.	Nitrate, gen.	2,680
Nero ²	27	28	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	General	452
Istmo	27	29	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	618
Silverwillow ²	26	27	Brit.	Silver Line, Ltd.	Caleutta, India	South Africa	(²¹)	5,691

¹ Tanker. ² Motor ship. ⁵ Launch. ¹³ For orders. ¹⁴ Barley, fruit, general. ¹⁵ Sugar, canned pineapples. ¹⁶ Lumber, wheat, general. ¹⁷ Silk, ore, sugar, general. ¹⁸ Lumber and wood pulp. ¹⁹ Fruit, plantains. ²⁰ Zinc, fruit, general. ²¹ Coconut oil, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Ino ²	27	29	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(¹⁴)	452
Floridian	27	28	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	7,575
Orduna	28	29	Brit.	Pacific Steam Nav. Co.	Valparaiso, Chile.	Liverpool, Eng.	Coffee, gen.	7,039
Anniston City	27	28	Amer.	Isthmian S. S. Lines.	Pt. Angeles, Wash.	Baltimore, Md.	(¹⁵)	7,985
Steel Worker	27	28	Amer.	Isthmian S. S. Lines.	N. West'm'r, B.C.	Avonmouth, Eng.	General	8,379
Elias G. Kulkundis.	28	29	Greek.	Chile Nit. Sales Corp.	Iquique, Chile.	Azores ¹³	Nitrate	9,400
Massmar	28	28	Amer.	Calmar Line	Seattle, Wash.	Baltimore, Md.	Lum., copper	7,320
Baldbutte ¹	28	29	Amer.	Shell Oil Co.	Los Angeles, Cal.	Baltimore, Md.	Gasoline	8,698
Republic ⁸	28	29	Amer.	U. S. Army	Honolulu, T. H.	Brooklyn, N. Y.	Army stores	544
Vinland ²	29	29	Nor.	Knutsen Line	Talcahuano, Chile	Oslo, Norway	General	6,877
Jacob Luckenbach	29	29	Amer.	Luckenbach Line	Portland, Oreg.	Tampa, Fla.	Lumber, gen.	7,264
Sea Thrush	29	29	Amer.	Shepard S. S. Co.	Seattle, Wash.	Albany, N. Y.	Lumber, gen.	7,103
Zacapa	29	29	Amer.	United Fruit Co.	Pto. Arm'les, R.P.	Baltimore, Md.	Bananas	1,200
Vermont	29	29	Amer.	Calif.-Eastern Line.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,518
Fortuna ²	27	29	Pan.	Hans Unger	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Skjelbred ²	29	30	Nor.	Kawasaki K. Kaisha	Keelung, Formosa	New York, N. Y.	General	4,551
El Mirlo ^{1 2}	29	30	Brit.	C. T. Bowring & Co.	La Libertad, Ecu.	Ellesmere, Eng.	(¹⁶)	11,523
Arizona	30	31	Fr.	French Line	Valparaiso, Chile.	Dunkerque, Fr.	Copper, gen.	7,941
Tuscaloosa City	30	30	Amer.	Isthmian S. S. Lines.	Hilo, T. H.	Baltimore, Md.	(¹⁷)	8,153
Northleigh	30	30	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Hull, England	Wheat, lum.	9,108
Bethore	31	31	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,200
Nurnberg ²	30	1	Ger.	North German Lloyd.	Talcahuano, Chile	Bremen, Ger.	General	6,541
Ludington	28	1	Amer.	U. S. Army	Honolulu, T. H.	New York, N. Y.	General	1,181
Sanyo Maru ²	31	31	Jap.	Osaka Syosen Kaisya.	Dairen, China	Hamburg, Ger.	General	5,891
Gretavale	31	1	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores ¹³	Nitrate	7,325
West Notus	30	1	Amer.	McCormick S. S. Co.	Seattle, Wash.	New York, N. Y.	Lumber, gen.	7,246
Nevadan	31	1	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	8,504
M-238 ³	31	1	Amer.	U. S. Army	Miraflores, C. Z.	Cristobal, C. Z.	Ballast	
City of Norfolk	31	1	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	(¹⁸)	6,007
Port Montreal ²	31	1	Brit.	Mont.-Aust.-N.Z. Line	Adelaide, Aus'lia.	Montreal, Canada	(¹⁹)	5,100
Yorkmar	1	1	Amer.	Calmar Line	Aberdeen, Wash.	Baltimore, Md.	Lumber	6,752
Santa Barbara ²	1	1	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	4,745
Sambu ²	1	2	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	43
Frank ²	1	4	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	31
Geddington Court.	1	2	Brit.	Canadian Transp. Co.	Portland, Oreg.	Dublin, Ireland	Wheat, lum.	9,847
Susan V. Luckenbach.	2	2	Amer.	Luckenbach Line	S. Francisco, Cal.	Boston, Mass.	Lumber, gen.	8,178
Schwaben	2	3	Ger.	North German Lloyd.	Vancouver, B. C.	Hamburg, Ger.	General	6,974
Grete Maersk ²	2	3	Dan.	Maersk Line	Oosthaven, Sum.	Baltimore, Md.	Veg. oil, gen.	7,700
Tamaroa	1	2	Brit.	Shaw, Savill & Albion	Pt. Chalmers, N.Z.	London, England	Frozen, gen.	5,626
Elisabeth Bakke ²	2	2	Nor.	Knutsen Line	Vancouver, B. C.	Manchester, Eng.	Fruit, gen.	7,597
Baldhill ¹	2	3	Amer.	Shell Union Oil, Inc.	Los Angeles, Cal.	Fall River, Mass.	Fuel oil	9,168
Norman Star	2	3	Brit.	Blue Star Line	Seattle, Wash.	Buenos Aires, Arg.	Frozen, fruit.	4,072
Porto Bello ²	1	2	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	Fruit, lum.	7
Svealand ²	2	3	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,700
Malaya ²	2	3	Dan.	East Asiatic Co.	Vancouver, B. C.	Hull, England	General	12,240
Aurora ¹	2	3	Amer.	Seony Vac. Oil Co.	Los Angeles, Cal.	Providence, R. I.	Gasoline	9,723
Duala ²	2	3	Nor.	East Asiatic Co.	Seattle, Wash.	Goth'burg, Swed.	Fruit, salmon	1,132
Nero ²	2	5	Neth.	Royal Neth. S. S. Co.	Tumaco, Col.	Cristobal, C. Z.	(²⁰)	258
Laurits Swenson ²	3	4	Nor.	Fred Olsen & Co.	Vancouver, B. C.	Oslo, Norway	General	8,274
Pereira	3	8	Pan.	Grace Line	Champ'co, Guat.	Cristobal, C. Z.	General	307
Trois Ilets	3	4	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	194
Margaret Johnson ²	3	3	Swed.	Johnson Line	Seattle, Wash.	Stockholm, Swed.	Fruits	5,976
Istmo	3	4	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	280
Eli ²	3	3	Nor.	Anglo-Can. S. S. Co.	Pt. Alberni, B. C.	Antwerp, Belgium	General	7,226
Washingtonian	3	3	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	8,632
Arizonian	3	3	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	7,577
Olio ²	4	5	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(²¹)	468
Bogota ²	4	6	Ger.	North German Lloyd.	Guayaquil, Ecu.	Cristobal, C. Z.	General	923
Lochkatrine ²	4	5	Brit.	Royal Mail Lines	Victoria, B. C.	Rotterdam, Neth.	Fruit, gen.	10,051
Grange park	4	4	Brit.	J. & J. Denholm, Ltd.	Papeete, Tahiti	Marseilles, France	Copra	4,609
Pomona	4	5	Amer.	Weyerhaeuser S.S. Co.	Portland, Oreg.	Baltimore, Md.	General	10,521
American Oriole	5	5	Amer.	Puget Sound Mills Assn	Olympia, Wash.	New York, N. Y.	Lumber	7,681
Kunikawa Maru ²	5	6	Jap.	Kawasaki K. Kaisha	Tsingtao, China	Baltimore, Md.	General	4,723
Carrillo	5	5	Amer.	United Fruit Co.	Pto. Arm'les, R.P.	Baltimore, Md.	Bananas	1,049
Kosin Maru	5	6	Jap.	Kokusai K. Kaisha	Kobe, Japan	New York, N. Y.	General	3,099
Dorothy Luckenbach.	5	5	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	7,952
Firmore	6	6	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,500
Orotava	6	6	Hond.	United Fruit Co.	Pto. Arm'les, R.P.	New Orleans, La.	Bananas	901
Macabi	6	6	Pan.	United Fruit Co.	Puntarenas, C.R.	Preston, Cuba	Ballast	
San Rafael	6	6	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,609
Ulm ²	6	6	Ger.	North German Lloyd.	Seattle, Wash.	Hamburg, Ger.	Fresh fruits.	1,634
Jeff Davis ²	6	6	Amer.	Amer.-Pioneer Line.	Hilo, P. I.	New York, N. Y.	Sugar, gen.	7,516
Vibrant ²	6	6	Nor.	Knutsen Line	Vancouver, B. C.	Liverpool, Eng.	Fresh fruit	1,498

¹ Tanker. ² Motor ship. ³ Launch. ⁴ Transport. ¹³ For orders. ¹⁴ Coffee, wood, rubber. ¹⁵ Lumber, pulp, general. ¹⁶ Crude oil, gasoline. ¹⁷ Sugar, pineapples, cane. ¹⁸ Canned and dried fruits. ¹⁹ Wool, tallow, pelts. ²⁰ Coffee, empty bottles. ²¹ Coffee, cacao, balsam.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Santa Inez ²	7	7	Amer.	Grace Line.....	Chanaral, Chile.	New York, N. Y.	General.....	3,299
Pacific Ranger ²	7	7	Brit.	Furness, Withy & Co.	Victoria, B. C.	Manchester, Eng.	General.....	8,670
Felix Taussig	7	7	Amer.	McCormick S. S. Co.	Tacoma, Wash.	Philadelphia, Pa.	Lumber, gen.	8,350
Herman Frasch...	7	7	Amer.	Dutton Lumber Corp.	Everett, Wash.	Po'keepsie, N. Y.	Lumber.....	4,938
Vivi ^{1 2}	8	8	Nor.	Standard Oil Co.	El Segundo, Cal.	Lands End ¹³	Gasoline.....	9,449
California Express ²	8	8	Nor.	Fruit Express Line.	N. Westm'r, B.C.	Glasgow, Scotland	Fresh fruit.	1,777
Dolhanna.....	8	8	Brit.	Anglo-Can. S. S. Co.	N. Westm'r, B.C.	London, England	Grain, lum.	8,050
Fjordaas ^{1 2}	8	8	Nor.	Eagle Oil & Ship. Co.	Los Angeles, Cal.	Lizard, Eng. ¹³	Gasoline.....	10,016
Daldorch.....	8	8	Brit.	Anglo-Can S. S. Co.	N. Westm'r, B.C.	Liverpool, Eng.	Spelter, lum.	7,800
Ferneourt ^{1 2}	8	8	Nor.	Petrofina, Brussels	Talara, Peru	Dunkerque, Fr.	Crude oil.....	13,999
West Nilus.....	8	9	Amer.	McCormick S. S. Co.	Seattle, Wash.	Buenos Aires, Arg.	General.....	7,693
Acajutla.....	8	8	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	Coffee, wood	495
Honomu.....	8	8	Amer.	Swayne & Hoyt	S. Francisco, Cal.	New Orleans, La.	General.....	7,996
Chelsea.....	8	8	Brit.	Chile Nit. Sales Corp.	Iquique, Chile	Azores ¹³	Nit. of soda	7,850
Fella ²	8	9	Ital.	Italian Line.....	Vancouver, B. C.	Trieste, Italy.	General.....	7,600
Alister.....	7	9	Ger.	North German Lloyd.	Chancay	Bremen, Germany	General.....	10,711
Cape Corso.....	8	8	Brit.	Lyle Shipping Co.	Chicama, Peru.	New York, N. Y.	Sugar.....	6,121
Sona ²	8	9	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	28
Real ²	8	9	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.....	28
Porto Bello ²	8	8	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(¹⁴)	
Tuira ²	8	9	Pan.	Jose Laffargue	Darien, R. P.	Cristobal, C. Z.	Bananas.....	39
City of Baltimore.	8	9	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General.....	6,447
Olney ¹	8	9	Amer.	Shell Oil Co.	Los Angeles, Cal.	Perth Amboy, N.J.	(¹⁵)	9,983
Panaman.....	9	9	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General.....	5,857
King Edwin ²	9	9	Brit.	Mitsubishi Co.	Dairen, China	Hamburg, Ger.	Soy beans.....	7,648
S-47 ⁷	9	9	Amer.	U. S. Navy.....	Balboa, C. Z.	Cristobal, C. Z.		
S-45 ⁷	9	9	Amer.	U. S. Navy.....	Balboa, C. Z.	Cristobal, C. Z.		
S-42 ⁷	9	9	Amer.	U. S. Navy.....	Balboa, C. Z.	Cristobal, C. Z.		
S-43 ⁷	9	9	Amer.	U. S. Navy.....	Balboa, C. Z.	Cristobal, C. Z.		
La Union ²	9	10	Pan.	Pacifico Rios	Chitre, R. P.	Cristobal, C. Z.	Salt.....	35
Q-2 ⁵	9	9	Amer.	U. S. Army.....	Balboa, C. Z.	Gamboa, C. Z.		
Marore.....	10	10	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore.....	21,800
Sveadrott ^{1 2}	9	10	Swed.	Anglo-Saxon Pet. Co.	S. Francisco, Cal.	Curacao, N.W.I.	Gasoline.....	13,933
President de Vogue ^{1 2}	9	10	Nor.	Raffineries de Berre.	Talara, Peru	Pt. de Boue, Fr.	Crude oil.....	13,717
Ville de Verdun.	10	10	Fr.	Messageries Marit'es.	Noumea, N. Caled.	Marseille, France.	General.....	5,416
Chelyuskinets ²	7	10	Russ.	U. S. S. R.	Vladivostok, Rus.	London, England	Canned fish.	5,000
Mallard ⁴	10	10	Amer.	U. S. Navy.....	Balboa, C. Z.	Cristobal, C. Z.		
Moveria ²	9	10	Brit.	Donaldson Line.	Victoria, B. C.	Glasgow, Scotland	General.....	5,619
Mobile City.....	10	10	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Baltimore, Md.	(¹⁶)	7,698
S-46 ⁷	10	10	Amer.	U. S. Navy.....	Balboa, C. Z.	Cristobal, C. Z.		
Helga.....	10	10	Dan.	J. Lauritzen	Antof gasta, Chile	New York, N. Y.	General.....	2,700
Durazzo.....	10	10	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	975
Istmo.....	10	10	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee.....	711
Snapper ⁷	10	10	Amer.	United States Navy.	Balboa, C. Z.	Cristobal, C. Z.		
Cuttlefish ⁷	10	10	Amer.	U. S. Navy.....	Balboa, C. Z.	Cristobal, C. Z.		
Missourian ²	10	10	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General.....	9,368
Viking Star.....	10	10	Brit.	Blue Star Line.	N. Westm'r, B.C.	Newcastle, Eng.	Frozen, gen.	5,082
Cachalot ⁷	10	10	Amer.	U. S. Navy.....	Balboa, C. Z.	Cristobal, C. Z.		

¹ Tanker. ² Motor ship. ³ Tug. ⁵ Launch.⁷ Submarine.¹³ For orders.¹⁴ Plantains, lumber.¹⁵ Kerosene, solvent. ¹⁶ Lumber, copper, general.

Comparison of Traffic at the Suez and Panama Canals for the First Nine Months of the Calendar Years 1937 and 1938

The following is a comparison of traffic at the Suez and Panama Canals for the first 9 months of the calendar years 1937 and 1938:

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1937	1938	Increase	Decrease	1937	1938	Increase	Decrease
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	
June.....	540	469	13.1	472	445		5.7	
July.....	551	509	7.6	457	429		6.1	
August.....	531	522	1.7	505	468		7.3	
September.....	522	508	2.7	444	438		1.4	
Total.....	5,011	4,633	8.0	4,207	4,118		2.1	

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.

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.	1.05
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, medium.....	Lb.	.06
Grease, yellow, cup, 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.

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.

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. 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.

Trips Through the Canal

The following lines operating passenger carrying vessels through the Canal carry local passengers from one terminal to the other: Grace Line, Johnson Line, Hamburg-American Line, North German Lloyd, Navigazione Generale Italiana, Pacific Steam Navigation Co. The Panama Pacific Line carries passengers from Balboa to Cristobal only, their rate being \$10, first class only. The rate is \$5 on the Grace Line, Johnson Line, and Pacific Steam Navigation Co., and \$6 on the Hamburg-American Line, North German Lloyd, and Navigazione Generale Italiana vessels, first class passage. The Pacific Steam Navigation Company also have a rate of \$4 second class and \$2 third class.

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, 7:00 a. m.; 11 a. m.; 5 p. m.; 10 p. m.

From Panama: Daily, 7:05 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.

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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 XXXII Balboa Heights, C. Z., December 15, 1938 No. 5

Holiday Greetings

BALBOA HEIGHTS, C. Z., *December 15, 1938.*

At this Holiday Season, I desire to express my warm appreciation of the loyal and faithful service rendered during the year now drawing to a close by all officers and employees associated with me in the Panama Canal and the Panama Railroad Company, and to extend to them and the members of their families my best wishes for a Merry Christmas and a Happy New Year.

I desire also to extend the greetings of the Holiday Season to our good friends and neighbors of the Republic of Panama, to all those associated with us in the shipping world, and to those in the military and naval service on the Isthmus.

It is my hope that you may all enjoy health, happiness and contentment in the fullest measure during the coming year.

C. S. RIDLEY,

*Governor, The Panama Canal,
President, Panama Railroad.*

Traffic Through the Panama Canal in November 1938

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

	November 1936	November 1937	November 1938		
			Atlantic to Pacific	Pacific to Atlantic	Total
Ocean-going commercial traffic.....	368	435	286	219	505
Small commercial vessels ¹	67	75	39	28	67
Noncommercial vessels:					
United States Government.....	40	23	20	21	41
Colombian Government.....	1	.....	1	1	2
For repairs.....	1	4	.....	.....	.....
Total.....	477	537	346	269	615

¹ Vessels under 300 net tons, Panama Canal measurement.

OCEAN-GOING COMMERCIAL TRAFFIC ²

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 twelve months ended November 30, 1938, as compared with the twelve months ended November 30, 1937:

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

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
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	2,511,674	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	2,122,359	2,070,337.89	1,801,291.78
July.....	457	429	2,395,306	2,089,000	2,476,366	2,025,660	2,029,642.45	1,694,205.00
August.....	505	468	2,597,119	2,345,000	2,780,603	2,171,674	2,195,308.87	1,890,050.74
September..	444	438	2,312,725	2,165,000	2,385,142	1,998,464	1,935,673.78	1,741,895.46
October....	461	494	2,359,406	2,459,000	2,438,788	2,359,673	1,981,087.87	1,977,706.76
November..	435	505	2,280,565	2,489,000	2,185,283	2,223,830	1,893,462.00	1,984,014.72
Total.....	5,444	5,556	27,977,165	27,659,988	28,791,099	25,899,043	23,471,413.33	22,422,586.41

³ These figures indicate the Panama Canal net tonnage as determined under the rules of measurement in effect prior to March 1, 1938.

⁴ 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.

⁵ Estimated tonnage under the former rules, based on total Panama Canal net tons as now measured, July 1938, 1,933,816; August 1938, 2,177,699; September 1938, 2,005,241; October 1938, 2,276,194; November 1938, 2,302,333.

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 November 1938. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	⁶ Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	39	1,633	\$1,334.88	586
Pacific to Atlantic.....	28	1,374	1,235.52	1,539
Total.....	67	3,007	2,570.40	2,125

⁶ As measured under the present Panama Canal rules.

Traffic by Nationality of Vessels ⁷ for November 1938

	No. of transits	⁸ Panama Canal net tonnage	Tolls	Tons of cargo
British.....	128	641,749	\$541,806.30	502,801
Chilean.....	3	7,231	6,108.30	3,673
Danish.....	17	64,730	57,056.94	72,196
French.....	12	58,841	51,108.12	46,631
German.....	26	104,421	93,101.22	107,496
Greek.....	16	75,032	58,831.92	42,941
Honduran.....	2	3,232	2,617.92	901
Italian.....	7	39,020	34,317.36	27,156
Japanese.....	15	86,554	75,168.60	83,335
Netherland.....	29	85,258	75,680.46	99,867
Norwegian.....	61	270,884	229,206.06	295,831
Panamanian.....	15	26,122	21,664.08	26,801
Swedish.....	15	70,272	59,569.38	104,410
United States.....	153	741,792	653,194.44	788,516
Soviet.....	1	3,403	3,062.70	5,000
Yugoslav.....	5	23,492	18,520.92	16,275
Total.....	505	2,302,333	1,984,014.72	2,223,830

⁷ Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

⁸ As measured under the present Panama Canal rules.

Traffic by Trade Routes for November 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	*Panama Canal net tonnage	Tons of cargo	No. of ships	*Panama Canal net tonnage	Tons of cargo
United States intercoastal	51	256,709	171,395	51	250,780	386,396
East coast United States and:						
Canada	3	11,963	1,792	1	4,125	7,007
Central America/Mexico	7	16,798	1,029	5	12,595	5,424
South America	21	91,229	19,896	18	75,888	203,336
Hawaiian Islands	3	15,179	5,542	2	8,408	13,324
Australasia	7	39,479	39,683			
Philippine Islands	8	42,305	43,766	4	20,727	27,879
Far East	19	90,540	144,990	6	36,384	30,212
Canadian intercoastal	3	15,473	7,553			
East coast Canada and:						
South America	1	1,803	2,116	1	1,804	2,613
Australasia	3	16,302	15,786	4	16,850	23,578
Philippine Islands	1	5,412	4,745			
Far East	2	8,297	15,104			
Central America/Mexico intercoastal	1	3,643	7,129			
East coast South America and:						
United States	3	14,488	6,829	1	5,014	4,072
Canada	1	4,746		1	4,525	7,693
Far East	2	10,280	10,798	1	5,409	4,367
South American intercoastal	4	17,745	28,711			
Cristobal and:						
Central America/Mexico	5	3,322	5,379	4	2,692	1,531
South America	15	8,568	4,812	17	9,990	8,262
West Indies and:						
United States	2	13,710		2	14,072	28,253
Canada	1	1,869				
Central America/Mexico				1	1,589	
South America	2	9,265	20,283	1	4,727	9,417
Europe and:						
United States	23	112,613	8,089	12	47,893	81,482
Canada	54	275,446	41,367	49	243,949	356,140
South America	26	137,881	49,364	24	123,884	191,474
Australasia	11	72,326	64,276	6	34,012	37,927
Far East	2	11,918	13,286	7	33,018	48,705
Egypt and South America	1	4,042				
Around the world	2	14,734	4,127	1	6,447	7,391
Foreign vessels in ballast (United States intercoastal)	2	9,466				
Total	286	1,337,551	737,347	219	964,782	1,486,483

* As measured under the present Panama Canal rules.

Origin and Destination of Cargo by Major Areas, November 1938

The following table summarizes the origin of cargo passing through the Canal in November 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	176,440	10,511	203,820	20,990	36,805	449,566
Other North America	4,090	20,881	12,521	30,539	24,157	92,188
Europe	33,823	11,984	2,687	42,152	58,270	148,916
Miscellaneous	10,093	68	8,421	28,582	513	47,677
Total	224,446	43,444	227,449	122,263	119,745	737,347

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	381,185	39,835	218,290	12,279	651,589
Canada	7,007	418	217,915	2,877	228,217
Other North America	18,748	2,529	129		21,406
South America	202,583	22,395	190,076	48	415,102
Australasia	5,795	17,783	37,927		61,505
Asia	59,571	2,648	46,091	354	108,664
Total	674,889	85,608	710,428	15,558	1,486,483

Principal Commodities

Commodities which aggregated 10,000 or more tons either during November 1938, or in November 1937, are listed below:

Commodity	November		Commodity	November	
	1937	1938		1937	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Automobiles and parts.....	29,345	13,491	Beans, edible, dry.....	17,428	15,423
Canned food products.....	15,296	8,948	Canned food products.....	99,790	115,851
Cement.....	10,354	17,150	Coffee.....	10,811	10,524
Chemicals.....	8,491	12,263	Cold storage (food products) ¹⁰	10,950	11,210
Coal and coke.....	12,949	27,204	Copra.....		24,548
Cotton, raw.....	8,123	23,174	Cotton, raw.....	11,261	11,096
Iron and steel manufactures.....	146,512	112,687	Flour.....	25,391	17,175
Machinery.....	15,313	12,933	Fruit, dried.....	51,099	56,867
Manufactured goods.....	15,034	12,033	Fruit, fresh ¹¹	38,278	52,677
Metals, various.....	38,682	36,885	Lumber.....	209,675	224,182
Oils, mineral.....	110,431	86,485	Metals, various.....	52,625	60,614
Ores.....	13,737	2,400	Nitrates.....	123,375	113,516
Paper.....	32,972	37,031	Oils, mineral.....	238,065	174,192
Phosphates.....	22,213	9,648	Oils, vegetable.....	8,436	13,420
Railroad material.....	8,727	12,338	Ores.....	164,815	168,885
Scrap metal.....	27,820	93,827	Paper.....	21,793	7,534
Sulphur.....	21,505	25,277	Soy beans.....	9,319	32,921
Tinplate.....	23,055	9,443	Sugar.....	66,180	95,354
<i>Pacific to Atlantic</i>			Wheat.....	76,600	116,331
Barley.....	17,921	17,021	Wood pulp.....	28,651	22,601

¹⁰ Exclusive of fresh fruits.

¹¹ Except bananas.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of November 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	164	95
Agricultural implements.....	524	34	4,140	48
Alfalfa meal.....		661	1	1,211
Ammonium compounds.....	16		1,921	
Animal foods ¹²	110	67	110	67
Apparel, wearing (hats, shoes, clothing, etc.).....	103		309	2
Asbestos.....	667		5,270	
Asphalt and tar.....	152		9,560	310
Automobiles (and autotrucks).....	446	3	8,506	165
Automobile parts and accessories.....	644	59	4,985	69
Bags and bagging, textile.....	192	2	692	2
Bamboo and products.....				344
Bananas.....				7,302
Barks, miscellaneous.....	128	17	140	349
Barley.....		66		17,021
Beans, edible, dry.....	50	8,686	160	15,423
Beer.....			252	1
Beverages, nonalcoholic.....			50	
Bones and bone meal.....		33	1,661	33
Books and printed matter.....	7	9	7	9
Borax.....	39	605	43	6,450
Bran and pollards.....	447		447	1,297
Bricks and tile.....	333		864	
Camphor, crude.....				2
Canned and preserved goods:				
Fish.....	586	14,746	1,284	31,655
Fruit.....	233	37,467	265	59,794
Meat.....	79	83	664	229
Milk.....	60	135	394	423
Soup.....	2,105		2,362	
Vegetables.....	594	10,643	641	11,215
Miscellaneous and unclassified.....	2,155	9,381	3,338	12,535

¹² 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
Carbon black	14		412	15
Celite		241		247
Cement	682		17,150	
Chalk			1,593	
Charcoal	51		118	10
Chemicals ¹²	3,702	945	12,263	1,453
Clay, china and fire	1,554	234	3,522	286
Clay, filtering	124		131	124
Coal	1,467		15,433	
Cocoa and cacao beans	81		468	1,679
Coconuts and products ¹²	71	2,367	190	3,125
Coffee	110	93	6,766	10,524
Coke	260		11,771	13
Cold storage and refrigerated products:				
Dairy products	36	47	308	5,685
Eggs		43		321
Fish	43		101	1,060
Lard	232		266	51
Meats	63		288	3,765
Vegetables		30	6	188
Other and unclassified			16	140
Confectionery	1,341		1,364	
Copra		216		23,864
Copra meal and cake				984
Corn	312		312	50
Cotton, raw	20	1,282	23,174	11,096
Cresote				25
Drugs and medicines	1,404	39	2,025	69
Dyes	3		78	
Enamelware and metalware	132		141	115
Earthenware		24	78	24
Electrical apparatus and appliances	1,536	198	3,220	220
Explosives		48	465	48
Extract, quebracho			3,002	
Fertilizers ¹²	122	153	1,656	223
Fish, salted or dry-cured	23		40	83
Fish meal		351	40	4,721
Floor coverings	1,670	996	1,751	1,022
Flour	86	13,413	450	17,175
Fruit, dried	45	21,226	139	56,867
Fruit, fresh ¹²	144	2,053	720	52,677
Furniture and household goods	393	45	436	106
General	18,978	5,868	47,704	13,147
Glass and glassware	1,945	153	4,846	555
Glue	31	13	61	13
Groceries	1,000	657	1,602	1,493
Gums		100		207
Grain ¹²		15		540
Hair, all kinds		71		150
Hay			16	13
Hemp, unmanufactured	61	11	61	1,683
Honey		103		185
Hops			12	
Horns and hoofs			9	
Infusorial earth		962	9	1,218
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	61,006	662	112,687	754
Ivory nuts			503	1,414
Lard substitute	720		731	35
Lime			255	
Liquors	4,762	434	8,139	437
Lumber (including manufactured mill products)	1,589	118,913	2,666	224,182
Machinery	1,943	239	12,933	532
Malt			10	
Manufactured goods ¹²	6,404	1,034	12,033	2,374
Marble and granite			385	
Matches	98	27	136	27
Metals:				
Antimony			121	
Chrome	110		110	
Copper	384	2,544	2,335	33,668
Gold and silver				30
Iron	567		22,491	242
Lead		1,644	2,602	17,526
Tin	2,505	113	2,969	2,163
Zinc	49		2,129	6,567
Other and unclassified	253	29	4,128	418
Milk, powdered		341	13	576
Molasses and syrups	331	35	371	8,436
Nitrate	110		2,717	113,516

¹² 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
Nuts, edible (including meats)	159	1,258	196	1,342
Oats	132	286	134	880
Oils, mineral:				
Crude			239	39,023
Gas and fuel		18,970	51,506	18,970
Gasoline, benzine, and naphtha	55	18,084	11,273	82,952
Kerosene		9,748	102	32,507
Lubricating and greases	7,738	372	23,305	740
Other and unclassified	55		60	
Oils, vegetable:				
Coconut		897	14	7,257
Cottonseed		30		430
Linseed	796		820	
Olive	33	18	486	18
Peanut				2,064
Rapeseed			25	874
Teaseed				94
Wood	37		65	1,408
Other and unclassified	256	35	443	1,275
Oil, fish	63	1,140	154	5,503
Oil, whale				210
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)		30	3,214	277
Oilseed cake and meal	1,941		1,941	5,283
Ores:				
Antimony		38		326
Copper		745	450	745
Gold and silver				88
Iron	90		93	151,200
Lead				4,169
Magnesite		405		405
Manganese		939	54	4,583
Tin			50	3,231
Zinc	89		94	1,664
Other and unclassified		92	1,659	2,474
Paints and varnishes	737	70	2,717	394
Paper and paper products ¹²	9,327	6,769	37,031	7,534
Peanuts	376		376	
Peas, dry		711		954
Peatmoss			1,391	
Phosphates	524	175	9,648	183
Plaster			95	
Porcelainware	459	14	993	2,265
Potash		8,349	830	8,371
Pyrethrum flowers				235
Rags and waste	201	360	778	685
Railroad material	52		12,338	
Rice	918	806	1,221	1,928
Rope and twine	173		225	55
Rosin	1,099		2,319	30
Rubber:				
Manufactured	1,205	101	1,499	117
Raw			43	1,850
Scrap			331	65
Salt	173	311	2,981	311
Sand	505		1,705	25
Scrap metal	300	308	93,827	782
Seeds (except oilseeds)	21	541	435	630
Shells, oyster	310		335	441
Silk, raw		432	9	2,683
Skins and hides	3	1,810	1,068	3,205
Slag			620	
Slate	1,895	12	1,895	12
Soaps and products	1,322	106	1,343	157
Soda and sodium compounds:				
Soda ash	51		941	1,142
Soda, caustic	576		1,360	
Miscellaneous and unclassified	358	12	806	88
Soy beans	39		39	32,921
Spices	97	15	166	943
Sugar	18	21,661	788	95,354
Sulphur	7,800	27	25,277	27
Talc	11	30	11	182
Tallow	29	442	96	1,687
Tea	43	4	107	1,737
Textiles ¹³	3,391	16	7,452	2,902
Tinplate	2,690	71	9,443	71
Tobacco and manufactures	895	220	5,522	235
Toilet preparations	123		127	10
Turpentine	183		334	
Vegetables, dry ¹²		137		1,820

¹² Except as otherwise classified.¹³ Cotton, silk, wool, rayon goods.

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
Wall board	47	218	223	520
Wax, paraffin	259	35	1,833	582
Wheat		215	1,511	116,331
Wines	300	2,133	1,039	3,267
Wood pulp	188	18,654	4,918	22,601
Wool	11	2,613	17	4,952
Total, November 1938	176,440	381,185	737,347	1,486,483
Total, November 1937	221,869	344,066	752,103	1,433,180
Total, November 1936	45,980	213,841	464,903	1,282,465

Tanker Traffic

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

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	¹⁴ Panama Canal net tonnage	Tons of cargo	No. of ships	¹⁴ Panama Canal net tonnage	Tons of cargo
United States intercoastal	6	29,218	3,515	5	25,004	47,024
East coast United States and:						
Central America/Mexico	1	1,338	1,029			
South America	1	5,134	892			
Hawaiian Islands				1	3,732	147,310
Central America/Mexico intercoastal	1	3,643	7,129			
South American intercoastal	3	16,771	27,333			
West Indies and:						
United States	2	13,710		2	14,072	28,253
South America	2	9,265	20,283	1	4,727	9,417
Europe and:						
United States	7	42,544		6	30,927	61,257
South America	5	35,666		2	14,215	27,716
Total	28	157,289	60,181	17	92,677	180,977

¹⁴ As measured under the present Panama Canal rules. ¹⁵ Molasses.

Comparison of Canal Traffic in November 1938, with November Traffic in Previous Years

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

Calendar year	Month of November			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	¹⁶ 86	(000 omitted) 313	(000 omitted) 447	1915	¹⁷ 100	(000 omitted) 361	(000 omitted) ¹ 466
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	761
1920	231	929	985	1921	232	950	986
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	469	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	1938	460	²⁰ 2,338	2,282
1938	505	¹⁹ 2,489	2,224	(¹⁸)	467	¹⁹ 2,309	2,156

¹⁶ Canal opened August 15, 1914. ¹⁷ Average for 10½ months. ¹⁸ Average 11 months of calendar year 1938.

¹⁹ Estimated tonnage under Panama Canal rules in effect prior to March 1, 1938. ²⁰ As measured under the rules in effect prior to March 1, 1938.

Terminal Activities

Ships repaired during the month of November 1938 numbered 44. Vessels released from drydock numbered 8. Fuel oil amounting to 260,409 barrels was delivered as bunkers to 129 commercial ships. Bunker coal amounting to 6,816 tons was delivered to 24 commercial ships. Sales of commissary supplies to ships aggregated \$49,014.80.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving..... tons..	24,192	5,929	30,121
Local cargo shipped..... tons..	2,262	487	2,749
Cargo received for transshipment..... tons..	46,760	303	47,063
Cargo transshipped..... tons..	47,418	113	47,531
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	3	2	5
Number of releases issued.....	57	8	65
Tons received.....	31	0	31
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..	570	3,308,647	1,970,478	541	3,051,235	1,848,961
Vessels entering port but not transiting Canal	56	325,520	176,764	9	27,836	16,879
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	125	696,669	419,663	99	644,257	385,654
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	576	3,360,260	1,997,230	536	3,029,818	1,834,728
Vessels clearing port but not transiting Canal.	57	341,940	181,022	10	36,470	22,833
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	128	714,611	431,911	98	637,367	379,979

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, 1938, to midnight December 10, 1938. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Santa Lucia, 0, 6	Santa Barbara, 360,	Salvador, 382, 1,086	Santa Rosa, 103, 0	Ammon, 3 pkgs., 0
Veragua, 0, 365	102	Musa, 622, 278	Este, 338, 223	San Lucas, 252, 15
Colombia, 118, 11	Istmo, 699, 168	San Felipe, 1,148, 15	Ceres, 924, 1,253	Dungannon, 11,420, 0
Ino, 479, 96	Chiriqui, 101, 1,301½	Delftdijk, 208, 37	Dresden, 15, 287	Naruto Maru, 356, 0
Munsterland, 1,316, 0	Ino, 480, 93½	Modjokerto, 260, 0	Sambu, 0, 42	Argentina, 198, 130
Santa Marta, 1,331, 133	Nero, 575½, 84	Seattle, 453, 427	Rialto, 8, 29	Chiriqui, 3, 76
Roda, 98, 1,591	Osnabruck, 407, 393	Strabo, 0, 316	Contessa, 481, 860	Santa Paula, 165, 164
Clio, 617, 80	San Pedro, 6, 109	Ancon, 2,625, 756	Wyoming, 643, 120	Mantilla, 3,863, 0
Istmo, 0, 255	Tolosa, 983, 17	Benjamin Franklin, 78, 370	City of Dalhart, 0, 11	Orbita, 134, 35
American Press, 0, 919	Buenaventura, 2,161, 342	Trois Ilets, 312, 32	Margaret Lykes, 726, 271	Weser, 158, 168
Cuba, 0, 2	Gansfjord, 0, 891	Bogota, 700, 71	De La Salle, 89, 340	John Bakke, 128, 0
Counsellor, 317, 0	Reina del Pacifico, 26, 225	Nero, 325, 237	Santa Clara, 350, 209	Santa Lucia, 178, 23
Cristobal, 0, 819	Erria, 7, 261	Istmo, 412, 164	Platano, 957, 43	Cefalu, 137, 697
Gansfjord, 105, 857	Emma Bakke, 342, 91	Hopepeak, 0, 224	Drechtijk, 255, 122	Trois Ilets, 240, 85
Sessostris, 25½, 77½	Ino, 0, 129	Talamanca, 80, 584	Bogota, 24, 807	Dinteldijk, 169, 11
Wisconsin, 194, 171	Ville D'Amiens, 0, 79	Santa Inez, 430, 50	Oregon, 553, 140	Sambu, 0, 24½
Boskoop, 243, 1,321½	Bennekom, 0, 1 case	Sixtoala, 1,505, 134	British Columbia Ex-press, ½, 0	Acajutla, 336, 0
Durazzo, 0, 241	Santa Elena, 133, 25	Duesseldorf, 92, 410	Musa, 874, 6	Perene, 0, 13
Quirigua, 4½, 316	Jamaica, 48, 8	Kimikawa Maru, 1,212, 15	Pasajero, 0, 1	Kiyosumi Maru, 466, 0
Cordillera, 145, 45½	Egyptian Reefer, 543, 0	Clio, 451, 178	Actor, 232, 0	Leipzig, 54, 1,003
Colombia, 108, 468	Alaska, 124, 0	Brandanger, 12, 37	Patria, 190, 188	Cristobal, 4,530, 969
Donau, 348, 782	Saarlund, 50, 591	West Camargo, 41, 0	Kaikoura, 69, 286	Falcon, 22, 358
Cuba, 122, 494	Crawford Ellis, 0, 186	Beaconoil, 2,526, 0	Nero, 0, 456	Santa Maria, 400, 3
Oropesa, 79, 0	Santa Maria, 296, 6½	Pericles, 1, 607	Durazzo, 481, 129	Jamaica, 134, 89
Cellina, 251, 82½	Sambu, 0, 57	Orazio, 165, 22	Pereira, 716, 1,384	Kyusumi Maru, 266, 8
Acajutla, 0, 959½	Pericles, 54, 0	Ermland, 169, 0	Quirigua, 359, 393	Loreto, 10, 0
America, 0, 11	Yamazato Maru, 885, 0	Feodosia, 0, 442	Guayaquil, 2,428, 302	Phoenicia, S, 1,205
Virgilio, 0, 37½	Cefalu, 295, 575	Imperial, 15, 0	Ulua, 724, 368	Tacoma, 289, 191
Santa Paula, 270, 1	Cordillera, 24, 1,475	Hokkai Maru, 619, 568	La Paz, 8 pkgs., 759	Baarn, 187, 752
Contessa, 206, 806½	Santa Francisco, 117, 467	Amasis, 9, 216	Marchen Maersk, 707, 20	Douro, 166, 338
Lochmann, 153, 241	Abraham Lincoln, 10, 0	Maine, 218, 10	Costa Rica, 104, 173	Terukawa Maru, 535, 0
Santa Clara, 535, 10	Mendocino, 10,735, 0	H. M. Storey, 17,102, 0	Istmo, 0, 166	Santa Marta, 829, 258
Trois Ilets, 311, 179	Cerigo, 563, 1,032	Veragua, 77, 22	Peru, 52, 7	Helga, ½, 185
Platano, 911, 393		Santa Rita, 149, 0	Ino, 421, 73	Clio, 555, 101
Kano Maru, 492, 0			Tai Ping, 1,234, 0	Europa, 0, 11
Quito, 9, 175				Quito, 1,148, 0

BALBOA

Santa Lucia, 87, 17	Norfolk Maru, 297, 0	Santa Clara, 207, 0	Weser, 375, 0	Mataroa, 51, 0
Motatan, 89, 23	Egyptian Reifer, 70, 0	Dresden, 84, 0	John Bakke, 65, 0	Annie Johnson, 58, 0
City of Newport News, 403, 0	Emma Bakke, 704, 0	Ceres, 481, 0	K. R. Kingsbury, 10,695, 0	Montatan, 128, 0
Santa Barbara, 151, 10	Salvador, 2, 0	Balboa, 40, 0	City of San Francisco, 251, 0	St. Mihiel, 166, 0
Sildra, 2,158, 0	Republic, 1,273, 200	Marchen Maersk, 248, 0	Santa Lucia, 1, 0	Santa Maria, 157, 0
Laguna, 135,	Abraham Lincoln, 0, 76	0	Bokuyo Maru, 90, 0	Ludington, 1,562, 0
City of Norfolk, 0, 65	Santa Inez, 209, 0	City of Newport News, 0, 1	Aequator, 1, 0	
Chateau Thierry, 586, 208	Beaconoil, 3,000, 0	Sirius, 4, 0	Acajutla, 5, 0	
	City of Los Angeles, 549, 0	Tai Ping, 257, 0		

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

Passengers

During November 1938, ocean-ship passengers disembarking at Cristobal numbered 1,954, embarking 1,838; at Balboa, 764 disembarking and 948 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 4,012, from the Pacific to the Atlantic, 1,461. Aircraft numbering 64 entered Cristobal, 248 passengers disembarking; clearances were 65, with 238 passengers embarking. At Balboa entries of aircraft numbered 49, 100 passengers disembarking; clearances were 49, with 97 passengers embarking.

Comparison of Traffic at the Suez and Panama Canals for the First Ten Months of the Calendar Years 1937 and 1938

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

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1937	1938	Increase	Decrease	1937	1938	Increase	Decrease
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
June	540	469	13.1		472	445		5.7
July	551	509	7.6		457	429		6.1
August	531	522	1.7		505	468		7.3
September	522	508	2.7		444	438		0.9
October	557	540	3.1		461	494	7.2	
Total	5,568	5,173	7.1		4,668	4,612		1.2

Notice to Steamship Interests

The regular overhaul of the Atlantic Locks will commence about the middle of January 1939. During the period of the overhaul, the Canal will be operated so as to provide for the transiting of vessels throughout the twenty-four hours of the day. The Canal will commence twenty-four hour operation on January 14, 1939.

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.

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

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Santa Lucia.....	10	11	Amer.	Grace Line.....	New York, N. Y.	San Antonio, Chile	General.....	2,700
Magister.....	10	11	Brit.	J. S. Webster & Sons.	Pt. Arthur, Tex.	Vancouver, B. C.	Ballast.....	
Morviken ²	11	11	Nor.	Kawasaki K. Kaisha.	Habana, Cuba.	Moji, Japan.	General.....	8,302
Eleni.....	10	11	Greek.	Canadian Transp. Co.	Hull, England.	Vancouver, B. C.	Ballast.....	
Point Palmas.....	11	11	Amer.	Gulf-Pacific Line.....	Houston, Tex.	Seattle, Wash.	General.....	5,276
Akaroa.....	11	12	Brit.	Shaw, Savill & Albion	London, England	Wellington, N. Z.	General.....	6,200
Tacoma City.....	11	12	Brit.	Sir W. R. Smith & Son	Cardiff, Wales.	Noumea, N. Caled.	Coal.....	7,450
Heranger ²	11	11	Nor.	Interocean S. S. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast.....	
Yearby.....	11	14	Brit.	Sir R. Ropner & Co.	Tyne, England.	Vancouver, B. C.	Ballast.....	
Themoni.....	11	11	Greek.	Anglo-Can. S. S. Co.	Rio de Janeiro.	Los Angeles, Cal.	Ballast.....	
Edward Luckenbach.....	11	11	Amer.	Luckenbach Line.....	Boston, Mass.	Tacoma, Wash.	General.....	3,745
Nuolja ²	11	11	Swed.	Trafik A. B. Grange'g	Mobile, Ala.	Yokohama, Japan	(14)	9,002
Tielbank.....	11	11	Brit.	Bank Line, Ltd.	Tampico, Mex.	Adelaide, Aust'lia	General.....	8,036
Porto Bello ³	11	11	Pan.	A. Tagaropoulos.....	Cristobal, C. Z.	Real, R. P.	General.....	3
President Adams.....	12	12	Amer.	Amer. President Lines	Boston, Mass.	Bombay, India.	General.....	2,300
Honolulan.....	12	12	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General.....	1,750
Istmo.....	10	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.....	403
Ino ²	11	12	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.....	76
City of San Francisco.....	12	13	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.....	2,465
Roda ²	11	13	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General.....	5,849
Frida.....	12	13	Dan.	Wessel, Duval & Co.	St. John, N. B.	Talcahuano, Chile	General.....	1,841
Phemius.....	12	13	Brit.	Alfred Holt & Co.	New York, N. Y.	Shanghai, China.	General.....	4,513
Australind.....	12	13	Brit.	Australind Ship. Co.	New York, N. Y.	Fremantle, Aust.	General.....	3,663
Aldington Court ²	13	13	Brit.	Canadian Transp. Co.	Dublin, Ireland.	Vancouver, B. C.	Ballast.....	
Texan.....	13	13	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General.....	3,520
Temple Mead.....	13	13	Brit.	Chile Nit. Sales Corp.	Cette, France.	Iquique, Chile.	Ballast.....	
Corrientes.....	13	13	Brit.	Donaldson Line.....	Glasgow, Scot.	Vancouver, B. C.	General.....	895
Ingerske.....	12	13	Nor.	Chile Nit. Sales Corp.	Oslo, Norway.	Toopilla, Chile.	Ballast.....	
Malabar.....	13	13	Amer.	Shell Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast.....	
Clio ²	11	13	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General.....	73
Port Auckland.....	13	13	Brit.	Port Line, Ltd.	Liverpool, Eng.	Dunedin, N. Z.	Gen., refig.	3,581
Rolling Stone ⁶	13		Pan.	Robert Wilcox.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
Vivirache ⁵			Pan.	Dr. W. S. Dove.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
Gen. Wm. M. Graham ¹¹			Amer.	U. S. Army.....	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Miramar ⁵	11		Pan.	Standard Fruit Co.	Cristobal, C. Z.	Gatun, C. Z.	(15)	
No. 3680 ¹³	11		Pan.	Standard Fruit Co.	Cristobal, C. Z.	Gatun, C. Z. ¹⁶		10
Willmoto ²	13	14	Amer.	Arrow Line.....	Baltimore, Md.	Tacoma, Wash.	General.....	3,567
Trontolite ^{1 2}	13	14	Brit.	Imperial Oil Co.	Barranquilla, Col.	B'ventura, Col.	Gasoline.....	3,392
Heffron.....	13	14	Amer.	Pac. Coast Dir. Line.	New York, N. Y.	Tacoma, Wash.	Steel, gen.	3,076
Hollywood.....	14	14	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General.....	3,146
Tai Shan ²	13	14	Nor.	Barber-Wilhelmsen.	Norfolk, Va.	Moji, Japan.	Scrap iron.	8,294
Uranenborg.....	14	14	Dan.	C. K. Hansen.....	Norfolk, Va.	Yokohama, Japan	Scrap steel.	5,550
Theofano Livanos.....	14	14	Greek.	Chile Nit. Sales Corp.	Rotterdam, Neth.	Toopilla, Chile.	Ballast.....	
Edda.....	14	14	Ital.	Lloyd Triestino.....	Trieste, Italy.	Seattle, Wash.	Ballast.....	
Motatan ¹	14	15	Brit.	Lago Oil Co.	New York, N. Y.	Acajutla, Salv.	(17)	1,029
Lionel ²	14	15	Nor.	Waterman S. S. Agency	Pt. Alfred, Can.	Yokohama, Japan	(18)	8,000
Moldanger ²	14	14	Nor.	Interocean S. S. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.....	
J. Fred Talbot ⁹	14		Amer.	U. S. Navy.....	U. S. port.	Balboa, C. Z.	Ballast.....	
Steel Scientist.....	14	14	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Saigon, China.	Steel, gen.	6,343
Durazzo.....	10	14	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecu.	General.....	197
Tattnall ⁹	14		Amer.	U. S. Navy.....	U. S. port.	Balboa, C. Z.	Ballast.....	
Romanby.....	14	15	Brit.	Sir R. Ropner & Co.	Barry, England.	Vancouver, B. C.	Ballast.....	
Asosan Maru ²	15	15	Jap.	Mitsui & Co.	Baltimore, Md.	Kobe, Japan.	Steel, cotton	7,713
Arna ²	15	15	Nor.	L. I. Machinery Co.	Baltimore, Md.	Kobe, Japan.	Scrap iron.	7,204
Zacapa.....	15	16	Amer.	United Fruit Co.	Baltimore, Md.	Pto. Arm'les, R. P.	Ballast.....	
Derryane.....	14	15	Brit.	McCowan & Gross.	Newcastle, Eng.	Vancouver, B. C.	Ballast.....	
Boskoop.....	13	15	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile.	General.....	3,197
Acajutla.....	8	16	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General.....	959
Donau.....	14	16	Ger.	North German Lloyd.	Hamburg, Ger.	Portland, Oreg.	General.....	7,337
Loch Dee.....	15	16	Brit.	Seaboard Shipping Co.	Montreal, Canada	Vancouver, B. C.	Ballast.....	
Spyros.....	15	16	Greek.	Vergatis, Ltd.	Rotterdam, Neth.	San Diego, Calif.	Ballast.....	
Chulmleigh.....	15	16	Brit.	Seaboard Lumber Co.	Barry, England.	Vancouver, B. C.	Ballast.....	
Memphis City.....	15	16	Amer.	Isthmian S. S. Lines.	Mobile, Ala.	Seattle, Wash.	(19)	4,898
Cellina ²	14	16	Ital.	Italian Line.....	Trieste, Italy.	Vancouver, B. C.	General.....	1,965
Carica Milica.....	15	16	J-Slav.	Anglo-Can. S. S. Co.	Antwerp, Belg.	Brit. Columbia.	Ballast.....	
Hragapon.....	16	16	Brit.	Seaboard Shipping Co.	S. Shields, Eng.	Brit. Columbia.	Ballast.....	
Tyrfjord.....	16	16	Nor.	Nor. Amerika S. S. Co.	New York, N. Y.	Salaverry, Peru.	Ballast.....	
Mostun ²	16	16	Nor.	Neptune Shipping Co.	London, England	Portland, Oreg.	Ballast.....	
City of Delhi.....	16	16	Brit.	Ellerman & Bucknall	St. John, N. B.	Adelaide, Aust'lia	General.....	6,376
Georgian.....	16	16	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.....	2,087
Tura ²	15		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Launch. ⁵ Yacht. ⁶ Destroyer. ⁷ Mine planter. ⁸ Barge.
¹⁴ Pig iron, rosin. ¹⁵ Towing barge No. 3680. ¹⁶ For bananas and return to Cristobal. ¹⁷ Asphalt, case oil.
¹⁸ Aluminum, scrap. ¹⁹ Steel, tinplate.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Real ²	15	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	...
Sona ²	15	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	...
Sambu ²	15	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	...
Tremoda	16	17	Brit.	Mont.-Aust.-N.Z. Line	Three Riv., Can.	Melbourne, Aust.	Paper	4,810
Sildra ^{1 2}	16	18	Nor.	Standard Oil of N. J.	Aruba, N. W. I.	Guayaquil, Ecu.	Fuel oil	11,219
Clausina ^{1 2}	16	17	Neth.	Anglo-Saxon Pet. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	...
Gertrude Kellogg ¹	16	17	Amer.	Kellogg S. S. Co.	New York, N. Y.	S. Francisco, Cal.	Linseed oil	765
Sandhamn ²	17	17	Swed.	Sven Salen	Philadelphia, Pa.	U. S. west coast	Ballast	...
Trois Ilets	15	17	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	152
Santa Barbara ²	17	18	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,234
Bethore	17	18	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	...
Orari ²	18	18	Brit.	N. Z. Shipping Co.	London, England	N. Plymouth, N. Z.	General	7,731
Mahimahi	18	18	Amer.	Matson Nav. Co.	Baltimore, Md.	Honolulu, T. H.	(¹⁴)	1,190
Liberty Glo.	18	18	Amer.	Amer.-Foreign S.S. Co.	Philadelphia, Pa.	Seattle, Wash.	General	2,707
Llanishen	18	18	Brit.	Radclyffe S. S. Co.	Immingham, Eng.	U. S. Pacific coast	Ballast	...
Andrea F. Luckenbach	18	18	Amer.	Luckenbach Line	Mobile, Ala.	Seattle, Wash.	General	7,635
Getuyo Maru ²	18	18	Jap.	Mitsui Bussan Kaisha	Mobile, Ala.	Kobe, Japan	Cotton, rosin	6,837
Istmo	17	18	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	305
Waipori	18	19	Brit.	Union S. S. Co.	Rotterdam, Neth.	Duendin, N. Z.	Gen., asphalt	3,040
Texmar	18	19	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,526
Chateau Thierry ⁸	18	19	Amer.	U. S. Army	New York, N. Y.	Balboa, C. Z.	General	545
San Pedro	18	19	Fr.	French Line	Havre, France	Valparaiso, Chile	General	947
Fresno Star	18	19	Brit.	Blue Star Line	Glasgow, Scot.	Vancouver, B. C.	Ballast	...
City of Norfolk	19	20	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	2,462
Julia Luckenbach	19	19	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	Gen., paper	3,538
Nero ²	17	19	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	41
Chinese Prince ²	19	19	Brit.	Prince Line, Ltd.	Baltimore, Md.	Hongkong, China	General	5,095
Quito ²	16	19	Ger	North German Lloyd	Guanata, Colom.	Guayaquil, Ecu.	Gen., salt	1,386
Nebraskan	19	19	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	Gen.	3,029
Lancaster	19	20	Amer.	Weyerhaeuser S.S. Co.	New York, N. Y.	Tacoma, Wash.	General	2,150
Montgomery City	20	20	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Seattle, Wash.	General	2,957
Svealand ²	20	20	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	...
Peter Maersk ²	20	20	Dan.	Maersk Line	Boston, Mass.	Cebu, P. I.	General	6,724
Myrtebank ²	20	20	Brit.	Bank Line, Ltd.	Montreal, Can.	Vancouver, B. C.	Ballast	...
Reina del Pacifico ²	19	20	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile	General	3,350
Erria ²	20	20	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General	613
Hacwa ⁵	20	20	Amer.	A. F. Crusey	Cristobal, C. Z.	Gatun, C. Z.	Ballast	...
Trenton ¹²	16	...	Amer.	U. S. Navy	Guantanamo, Cuba	Balboa, C. Z.	Ballast	...
S-46 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	...
Valle D'Amiens	20	21	Fr.	Messageries Marit'es	Marseilles, Fr.	Noumea, N. Cal.	General	1,667
Salmon ⁷	14	...	Amer.	U. S. Navy	N. London, Conn.	Balboa, C. Z.	Ballast	...
Chachalot ⁷	10	...	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	...
Emma Bakke ²	20	22	Nor.	Knutsen Line	Oslo, Norway	Valparaiso, Chile	General	2,499
Ino ²	20	21	Neth.	Royal Neth. S. S. Co.	Pt. Limon, C. R.	Guayaquil, Ecu.	General	117
Darlington Court ²	20	21	Brit.	Canadian Transp. Co.	Newsp't News, Va.	Vancouver, B. C.	Nitrate, coal	1,792
Canal Tenglo	20	21	Chile	Chilean Govt. Ry.	Reykjavik, Icel'd.	Valparaiso, Chile	Ballast	...
John Cabot	18	22	Brit.	Grace Line	Cristobal, C. Z.	Champico, Guat.	General	1,121
Porto Bello ³	21	21	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Republic ⁸	21	23	Amer.	U. S. Army	New York, N. Y.	Honolulu, T. H.	General	1,635
Cuyama ¹	20	25	Amer.	U. S. Navy	Cristobal, C. Z.	Los Angeles, Cal.	Ballast	...
S-43 ⁷	...	...	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	...
S-45 ⁷	...	...	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	...
Niceto de Larrinaga	21	22	Brit.	Canadian Transp. Co.	Montreal, Canada	Vancouver, B. C.	General	7,553
Cromarty ²	22	22	Brit.	Canadian Transp. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	...
Isthmian	22	22	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Seattle, Wash.	Gen., steel	2,184
Carrillo	22	23	Amer.	United Fruit Co.	Baltimore, Md.	Pto. Arm'les, R.P.	Ballast	...
S-42 ⁷	...	...	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	...
Pacific Reliance ²	22	22	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General	504
Pan Gothia ^{1 2}	22	23	Swed.	Standard Oil of N. Y.	Amsterdam, Neth.	Talara, Peru	Ballast	...
Istok	22	22	J.-Slav.	Seaboard Shipping Co.	Antwerp, Belgium	Brit. Columbia	Ballast	...
Saarland	21	22	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Corral, Chile	General	4,869
Mary Ann ¹⁴	...	...	Amer.	U. S. Navy	Cristobal, C. Z.	Gatun, C. Z.	Ballast	...
Abraham Lincoln ³	22	24	Nor.	Fred Olsen Line	Oslo, Norway	Vancouver, B. C.	General	5,481
W. R. Keever	22	23	Amer.	Texas Gulf Sulphur	Freeport, Tex.	Everett, Wash.	Sulphur	7,800
Huntingdon	23	23	Brit.	Federal Steam Nav. Co.	Swansea, Eng.	Auckland, N. Z.	(¹⁶)	8,890
Belnor ²	23	23	Nor.	Belshco	Emmash'd, N.W.I.	Brit. Columbia	General	...
Port Campbell	22	23	Brit.	Port Line, Ltd.	Hopewell, Va.	Adelaide, Aust'lia	General	4,765
Baldhill ¹	23	23	Amer.	Shell Terminal Corp.	Fall River, Mass.	S. Francisco, Cal.	General	4,302
Muncaster Castle ²	23	23	Brit.	Barber Line	Baltimore, Md.	Shanghai, China	General	8,495
Fresno City ²	23	24	Brit.	Mitsubishi Line	Tampa, Fla.	Yokohama, Japan	Phosphate	...
Real ²	22	...	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	...
Nathan ²	23	...	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	(¹⁵)	20
Sambu ²	22	23	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General	75
Delftdijk ²	24	24	Neth.	N. Pac. Coast Line	Rotterdam, Neth.	Portland, Oreg.	Clay, gen.	4,586

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁵ Launch. ⁷ Submarine. ⁸ Transport. ¹² Cruiser. ¹³ Crane.
¹⁴ General, automobiles, steel. ¹⁵ For bananas and return to Cristobal. ¹⁶ Livestock, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Jersey ²	23	24	Brit.	Australian Disp. Line	Falmouth, Eng.	Vancouver, B. C.	Ballast	
Dakota	23	24	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	2,295
Firmore	23	24	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Lancaster Castle	23	24	Brit.	Forester & Verner	Cardiff, Wales	West coast, U. S.	Ballast	
Risanger	23	24	Nor.	States Marine Corp.	New York, N. Y.	Kobe, Japan	Scrap iron	7,156
Cressdene	24	24	Brit.	Cressdene Ship. Co.	Sunderland, Eng.	Noumea, N. Cal.	Coal	5,750
Seattle	23	24	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B. C.	General	2,976
San Felipe	23	24	Amer.	Pac.-Atl. S. S. Co.	Jacksonville, Fla.	San Diego, Calif.	General	2,972
Vinni	24	24	Nor.	Kawasaki K. Kaisha.	New York, N. Y.	Kobe, Japan	(¹³)	8,120
Brynje ²	24	24	Nor.	Canadian Transp. Co.	Fowey, England	Ocean Falls, B. C.	China clay	992
Nicolas Angelos	24	25	Greek	Carras, Ltd.	Antwerp, Belgium	Noumea, N. Cal.	Coke	4,214
President Van Buren	18	25	Amer.	Dollar Line	New York, N. Y.	Round the world.	General	2,031
Wind Rush	25	25	Amer.	Shepard Line	Albany, N. Y.	Tacoma, Wash.	General	3,324
Harry Luckenbach	25	25	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,078
Tropic Sea ²	25	25	Nor.	Alf. Jakhell	New Orleans, La.	Kobe, Japan	Scrap iron	7,938
Oregon Express ²	25	26	Nor.	S. Herlofson & Co.	Glasgow, Scot.	Seattle, Wash.	Ballast	
Hopepeak ²	25	25	Brit.	Hamburg-Amer. Line.	Mobile, Ala.	Manila, P. I.	Cotton, oil	8,380
Santa Inez ²	25	26	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile	General	1,607
Fortuna ²	26		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Rangitane ²	25	26	Brit.	N. Z. Shipping Co.	London, England	Wellington, N. Z.	General	4,985
Istmo	24	26	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	665
Brandanger ²	25	26	Nor.	General S. S. Corp.	Buenos Aires, Arg.	Vancouver, B. C.	Coffee, gen.	3,040
Trois Ilets	24	26	Fr.	French Line	Cristobal, C. Z.	Manta, Ecuador	General	28
West Camargo	25	26	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Vancouver, B. C.	General	3,789
Laila	25	26	Dan.	Wessel, Duval & Co.	New York, N. Y.	Talcahuano, Chile	General	1,661
City of Baltimore	26	27	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	2,826
Nero ²	24	26	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	215
Clio ²	25	26	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	179
Dusseldorf ²	25	26	Ger.	North German Lloyd	Hamburg, Ger.	Valparaiso, Chile	General	5,702
Marore	26	26	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Orazio ²	27	27	Ital.	Italian Line	Genoa, Italy	Valparaiso, Chile	General	868
Anglo African	26	27	Brit.	Seaboard Ship. Co.	S. Shields, Eng.	Vancouver, B. C.	Ballast	
Arkansan	26	27	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	3,100
Kastor	27	27	Greek	H. L. E. Meyer, Jr.	Newcastle, Eng.	Los Angeles, Cal.	Coke	5,500
Krossfonn ²	27	27	Nor.	Pechelbronn	Donges, France	La Libertad, Ecu.	Ballast	
Martin Bakke ²	27	27	Nor.	Knutsen Line	Belfast, Ireland	Los Angeles, Cal.	Ballast	
Rokos Vergotis	27	27	Greek	Vergotis, Ltd.	Flushing, Neth.	Vancouver, B. C.	Ballast	
Champagne ^{1 2}	26	27	Fr.	Refineries de Berre	Havre, France	Talara, Peru	Ballast	
Cape Horn ^{1 2}	27	27	Brit.	Lyle Shipping Co.	Newcastle, Eng.	Vancouver, B. C.	Ballast	
Maine	27	28	Amer.	Calif. Eastern Line	Norfolk, Va.	Portland, Oreg.	General	3,471
Koranton	27	28	Brit.	R. Chapman & Son	Barry, England	Vancouver, B. C.	Ballast	
Sturgeon ⁷	21		Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Point Caleta	28	28	Amer.	Gulf Pacific Line	New Orleans, La.	San Diego, Calif.	General	6,000
Chattanooga City	27	28	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Seattle, Wash.	General	2,218
Jersey City	28	28	Brit.	Mitsubishi Shoji K.	New York, N. Y.	Yokohama, Japan	(¹⁴)	8,718
San Cirilo ^{1 2}	28	28	Brit.	Eagle Oil & Ship. Co.	Falmouth, Eng.	Los Angeles, Cal.	Ballast	
Castlemoor	28	28	Brit.	Runciman Ship. Co.	S. Shields, Eng.	S. Francisco, Cal.	Ballast	
Baconoil ¹	25	29	Amer.	West India Oil Co.	Baton Rouge, La.	Talara, Peru	Gasoline	892
Rockpool	28	28	Brit.	Empire Shipping Co.	Cardiff, Wales	Vancouver, B. C.	General	663
Cerigo	28	28	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Pisco, Peru	General	663
Nankai Maru ²	28	28	Jap.	Osaka Shosen Kaisha.	Hamburg, Ger.	Dairen, China	Gen. oil	6,671
Pennmar	28	28	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,253
H. M. Storey ¹	27	28	Amer.	Arrow Oil Co.	Car's Bay, N.W.I.	Los Angeles, Cal.	Ballast	
Mallard ¹⁰			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Este	28	29	Ger.	North German Lloyd	Hamburg, Ger.	Portland, Oreg.	Coffee, gen.	2,589
Boulderpool	28	29	Brit.	Sir R. Ropner & Co.	Shields, Eng.	Brit. Columbia	Ballast	
Fort Royal ²	28	29	Fr.	French Line	Dieppe, France	Los Angeles, Cal.	Ballast	
Fernhill ²	28	29	Nor.	Fearnley & Eger	Providence, R. I.	Yawata, Japan	Scrap iron	7,032
Dechoe ¹	28	29	Amer.	Union Oil Co. of Calif.	Antwerp, Belgium	Los Angeles, Cal.	Ballast	
Forbes Hauptman	28	29	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General	3,068
Jacob Luckenbach	28	29	Amer.	Luckenbach Line	Houston, Tex.	Tacoma, Wash.	General	6,226
Rotterdam ^{1 2}	28	29	Neth.	Standard Oil of N. J.	Carapito, Venez.	Tocopilla, Chile	Fuel oil	12,350
Hird ²	28	29	Nor.	Hasegawa Boeki K.	New York, N. Y.	Yokohama, Japan	Scrap iron	8,500
Glittre ^{1 2}	29	29	Nor.	Standard Oil of N. J.	Aruba, N. W. I.	San Antonio, Chile	Fuel oil	9,064
Ann Stathatos	29	29	Greek	Hyman Michaels Co.	Norfolk, Va.	Japan	Scrap iron	7,715
Harbledown	29	29	Brit.	J. & C. Harrison	Boston, Mass.	Vancouver, B. C.	Ballast	
Salacia ²	29	29	Brit.	Donaldson Brothers	Glasgow, Scot.	Vancouver, B. C.	General	933
Salvador	22	29	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'le, Guat.	General	1,086
Lebore	29	30	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Porto Bello ³	29	30	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Turrialba	29	30	Amer.	United Fruit Co.	Baltimore, Md.	Pto. Arm'les, R.P.	Ballast	
Adventuress ⁶	27	30	Amer.	C. E. Westenhaven	Miami, Fla.	Los Angeles, Cal.	Ballast	
Wyoming	29	30	Fr.	French Line	Dunkerque, Fr.	Vancouver, B. C.	(¹⁵)	4,750
Zannis L. Cambanis	29	30	Greek	Anglo-Can. S. S. Co.	Liverpool, Eng.	Brit. Columbia	Ballast	
Kaimoku	29	30	Amer.	Matson Nav. Co.	Baltimore, Md.	Hilo, T. H.	General	2,490
Olga E. Embricos	29	30	Greek	Seaboard Ship. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁶ Yacht. ⁷ Submarine. ¹⁰ Mine sweeper. ¹³ Cotton, lead, general. ¹⁴ Scrap steel, lubricating oil. ¹⁵ Sand, coke, chalk, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
City of Florence.	30	30	Brit.	Ellerman & Bucknall.	Philadelphia, Pa.	Dairen, China.	General.	4,024
Edwin Christenson.	30	30	Amer.	Sudden & Christenson.	Baltimore, Md.	Seattle, Wash.	General.	2,627
Moorby ²	30	30	Brit.	Ropner Ship. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.	
Cal. Standard ^{1 2}	30	30	Pan.	Foreign Tankship Corp.	Ellesmere Pt., Eng.	Los Angeles, Cal.	Ballast.	
Anneliese Essberger ²	30	30	Ger.	John T. Essberger.	Bremen, Ger.	Vancouver, B. C.	Ballast.	
Santa Clara.	30	1	Amer.	Grace Line.	New York, N. Y.	San Antonio, Chile	General.	2,068
Siam ²	30	1	Dan.	East Asiatic Co.	Copenhagen, Den.	S. Francisco, Cal.	Ballast.	
Real ²	29		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Tuira ²	29		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Pirre ²	29		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
La Union ²	29		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Sona ²	29		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Sambu ²	29	1	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General.	80
Floridan.	30	1	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	2,136
City of Hankow.	1	1	Brit.	Amer. & Aust. Line.	Philadelphia, Pa.	Adelaide, Aust'lia	General.	4,817
Crown City ²	1	1	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Shanghai, China.	General.	2,784
British Columbia Express ²	1	1	Nor.	Fruit Express Line.	Glasgow, Scot.	Seattle, Wash.	Ballast.	
Bradburn.	1	1	Brit.	Australian Dis. Line.	S. Shields, Eng.	Vancouver, B. C.	Ballast.	
Hanley.	1	1	Amer.	Weyerhaeuser S. S. Co.	New York, N. Y.	Seattle, Wash.	General.	2,660
Gaelic Star.	1	1	Brit.	Blue Star Line.	Tyne, England.	Vancouver, B. C.	Ballast.	
Chloe.	1	1	Greek.	Seaboard Ship. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.	
Thor No. 1 ²	1	1	Nor.	Bryde & Dahls.	Antwerp, Belgium.	Vancouver, B. C.	General.	3,588
Ceres.	28	1	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile.	General.	1,345
Col. Riche ⁵			Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Svithild ^{1 2}	1	2	Pan.	Standard Oil of N. J.	Aruba, N. W. I.	Los Angeles, Cal.	Ballast.	
President Herrenschmidt ^{1 2}	1	2	Nor.	Soommar.	Ambes, France.	Talara, Peru.	Ballast.	
W. S. Rheem ¹	2	2	Amer.	Standard Oil of Cal.	Dunkerk, Fr.	Los Angeles, Cal.	Ballast.	
Patria.	1	2	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General.	4,124
Nordvard ²	1	2	Nor.	L. Is. Mach. & Equip.	New York, N. Y.	Kobe, Japan.	Scrap iron.	7,111
Shaw ⁹	2		Amer.	U. S. Navy.	Guant'mo, Cuba.	San Diego, Calif.	Ballast.	
Mayari.	2	2	Pan.	United Fruit Co.	Boston, Mass.	Puntarenas, C.R.	General.	2,803
Bengal Maru.	1	3	Jap.	Nippon Yusen Kaisha	Liverpool, Eng.	Miike, Japan.	Gasoline.	4,190
Fortuna ³			Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Durham ²	3	3	Brit.	N. Z. Shipping Co.	Newport, Eng.	N. Plym'th, N. Z.	General.	11,250
Ophelie ¹	3	3	Fr.	Cie. Auxiliaire de Nav.	Donges, France.	Lobitos, Peru.	Ballast.	
City of Newport News.	3	4	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.	2,394
Columbian.	2	3	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General.	2,360
Paul Luckenbach.	3	3	Amer.	Luckenbach Line.	Boston, Mass.	Seattle, Wash.	General.	3,514
Istmo.	30	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	806
Nero ²	1	3	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Callao, Peru.	General.	415
La Paz ²	2	3	Brit.	Pacific Steam Nav. Co.	Hull, England.	Valparaiso, Chile	General.	4,166
Tongariro.	3	4	Brit.	N. Z. Shipping Co.	Barrow, England.	Dunedin, N. Z.	General.	5,504
Erlangen.	3	4	Ger.	North German Lloyd.	New Orleans, La.	Brisbane, Aust.	Sulphur oil.	6,900
Ida Bakke ²	3	3	Nor.	Christian Haaland.	Goth'burg, Swed.	Vancouver, B. C.	General.	
Peru ²	3	4	Swed.	Johnson Line.	Stockholm, Swed.	Portland, Oreg.	General.	2,136
Bogota ²	30	4	Ger.	North German Lloyd.	Barranquilla, Col.	Guayaquil, Ecu.	(¹⁴)	968
Nevadan.	3	4	Amer.	Amer.-Hawaiian Line.	New York, N. Y.	Seattle, Wash.	General.	2,430
Carelia ^{1 2}	3	4	Neth.	N. V. Pct. My. La Cor.	Caurcao, N. W. I.	Los Angeles, Cal.	Ballast.	
Nyhaug ²	3	4	Nor.	Continental Grain Co.	Galveston, Tex.	Portland, Oreg.	Ballast.	
Dionysios Stat-hatos.	3	4	Greek.	Hasegawa Bocki K.	Boston, Mass.	Kobe, Japan.	Scrap iron.	7,233
Seal ⁷	3		Amer.	U. S. Navy.	N. London, Conn.	Balboa, C. Z.	Ballast.	
Ino ²	3	4	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	67
El Oso ¹	4	5	Brit.	C. T. Bowring & Co.	Ellesmere, Eng.	Cabo Bl'co, Peru.	Ballast.	
Michael L. Embiricos.	4	4	Greek.	S. G. Embiricos.	Rio de Janeiro.	Balboa, C. Z.	Ballast.	
Lerwick.	4	4	Brit.	Wallen & Company.	Habana, Cuba.	Chile.	Ballast.	
Gertrude Maersk ²	4	4	Dan.	A. P. Moller Co.	Boston, Mass.	Iloilo, P. I.	General.	6,000
Buenos Aires Maru ²	4	5	Jap.	Osaka Syosen Kaisya.	Buenos Aires, Arg.	Kobe, Japan.	Gen., hides.	5,194
Mosfruit ²	4	4	Nor.	M. Mosvold.	Hook of Holland.	N. Westm'er, B.C.	Ballast.	
Gen. Wm. M. Graham ¹¹			Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
San Lucas.	4	5	Amer.	Pac.-Atl. S. S. Co.	Albany, N. Y.	Tacoma, Wash.	General.	3,071
Anniston City.	4	5	Amer.	Isthmian S. S. Lines.	Portland, Me.	Tacoma, Wash.	Steel, gen.	3,723
West Cape.	4	5	Amer.	McCormick S. S. Co.	Chester, Pa.	Seattle, Wash.	General.	1,933
Norfolk.	5	5	Brit.	Federal Steam Nav. Co.	Falmouth, Eng.	New Zealand.	Ballast.	
Charles F. Meyer ^{1 5}	5	5	Brit.	Socony Vac. Oil Co.	Hamburg, Ger.	Los Angeles, Cal.	Ballast.	
Pereira.	1	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Champ'co, Guat.	General.	1,374
Ensley City.	6	6	Amer.	Isthmian S. S. Lines.	Mobile, Ala.	Pt. Allen, T. H.	Pipe, gen.	5,681
Trehata.	6	6	Brit.	Hain S. S. Co.	Barry, England.	Portland, Oreg.	Ballast.	
Deerpool.	6	6	Brit.	Sir R. Ropner & Co.	Barry, England.	Vancouver, B. C.	Ballast.	
Port St. John ²	6	6	Brit.	Mont.-Aust.-N.Z. Line.	Middlesboro, Eng.	Wellington, N. Z.	General.	7,375

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁵ Launch. ⁷ Submarine. ⁹ Destroyer. ¹¹ Mine planter.¹⁴ General, gasoline, fuel, kerosene, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Zacapa	6	6	Amer.	United Fruit Co.	Baltimore, Md.	Pto. Arm'les, R.P.	Ballast	
Silverewy ²	6	6	Brit.	S. & J. Thompson	Boston, Mass.	Hongkong, China	General	6,250
Newton Moore	6	6	Brit.	Furness, Withy & Co.	Montreal, Can.	Vancouver, B. C.	General	4,760
Porto Bello ²	6	6	Pan.	A. Tagaropulos	Cristobal, C. Z.	Real, R. P.	General	3
Danteldijk ²	6	7	Neth.	Holland-Amer. Line	Rotterdam, Neth.	Vancouver, B. C.	General	1,637
Langlecrag	6	7	Brit.	Mitsubishi Line	Pt. Tampa, Fla.	Yokohama, Japan	Phos. rock	7,907
Ringar ²	6	7	Nor.	Hasagawa Boeki K.	Providence, R. I.	Japan	Scrap iron	8,000
Point Bonita	7	7	Amer.	Swayne & Hoyt	Mobile, Ala.	Los Angeles, Cal.	General	4,290
Siljestad ²	7	7	Nor.	Fern Line	Texas City, Tex.	Kobe, Japan	Scrap iron	7,001
Annie Johnson ²	7	7	Swed.	Johnson Line	Norrköping, Swed.	Portland, Oreg.	General	1,942
African Reefer ²	7	7	Dan.	J. Lauritzen	Rotterdam, Neth.	Seattle, Wash.	Ballast	
Huzikawa Maru ²	7	7	Jap.	Mitsui Bussan K.	Hopewell, Va.	Moji, Japan	Gen., oil	7,461
Trois Ilets	6	7	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	90
Perene	7	7	Peru.	Pernava de Vapores	Iquitos, Peru	Kobai, Peru	Wood, gen.	1,420
Fernlane ²	7	7	Nor.	Fern Line	Mobile, Ala.	Haiphong, In-Ch.	General	6,792
Steelore	7	7	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Real ²	6		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tuira ²	6		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona ²	6		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu ²	6	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General	36
Arizonan	7	8	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,187
Corabella	7	8	Brit.	Anglo-Can. S. S. Co.	Sydney, N. S.	WilliamsHd., B.C.	Ballast	
North Haven	8	8	Amer.	Northland Transp. Co.	Baltimore, Md.	Seattle, Wash.	Tin, gen.	5,516
Keiyo Maru ²	8	8	Jap.	Nippon Yusen Kaisha	Philadelphia, Pa.	Kobe, Japan	Gen., steel	8,016
Leverbank ²	8	8	Brit.	Bank Line, Ltd.	Baltimore, Md.	Portland, Oreg.	Ballast	
Alcatrazita ⁶	7	11	Amer.	W. J. Halliday	New Orleans, La.	Guaymas, Mex.	Ballast	
American Oriole	7	8	Amer.	Freeport Sulphur Co.	Pt. Sulphur, Tex.	S. Francisco, Cal.	Sulphur	7,800
Leipzig ²	7	8	Ger.	North German Lloyd	Hamburg, Ger.	San Antonio, Chile	General	4,322
Santa Maria ²	8	9	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile	General	2,879
Falcon	8	8	Amer.	Grace Line	Baltimore, Md.	San Antonio, Chile	Steel, gen.	2,639
Santore	8	8	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Skjelbred ²	8	8	Nor.	Kawasaki Kisen K.	Boston, Mass.	Kobe, Japan	General	7,340
Nathan ²	8	8	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹³		20
Sire	8	9	Brit.	Sire S. S. Co.	Montreal, Canada	Chile	Ballast	
Alfos	8	9	Greek	S. Livanos & Co.	New York, N. Y.	Yokohama, Japan	Scrap iron	7,316
Port Montreal ²	9	9	Brit.	Mont.-Aust.-N.Z. Line	Montreal, Canada	Adelaide, Aust.	(¹⁵)	5,887
Grayburn	8	9	Brit.	Chile Nit. Sales Corp.	Pt. of Spain, Trin.	Tooeppia, Chile	Ballast	
Amerikaland ²	9	9	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Sea Thrush	9	9	Amer.	Shepard S. S. Co.	N. London, Conn.	Seattle, Wash.	(¹⁶)	3,319
P-18 ⁵			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
President Harrison	10	10	Amer.	Amer.-President Lines	Boston, Mass.	Singapore, Straits Settlements.	General	2,624
Ludington ³	7	11	Amer.	U. S. Army	New York, N. Y.	Honolulu, T. H.	General	3,973
Fortuna ³	10		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Massmar	9	10	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	6,560
Tai Yin ²	9	10	Nor.	Barber Line	New York, N. Y.	Osaka, Japan	Gen., steel	6,306
Cressington Court ²	9	10	Brit.	Canadian Transp. Co.	Montreal, Canada	Vancouver, B. C.	General	3,876
Kosin Maru	10	10	Jap.	Kokusai Line	New York, N. Y.	Moji, Japan	(¹⁷)	8,104
Tennessee ²	10	10	Nor.	W. Wilhelmssen	Charleston, S. C.	Yawata, Japan	Scrap steel	8,776
Susan V. Luckenbach	10	10	Amer.	Luckenbach Line	New York, N. Y.	Seattle, Wash.	General	3,310
Tacoma	9	10	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Vancouver, B. C.	General	3,732
Baarn	9	10	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	1,182

PACIFIC TO ATLANTIC

Munsterland ²	10	12	Ger.	Hamburg-Amer. Line	Manila, P. I.	New Orleans, La.	(¹⁸)	5,386
Clio ²	11	13	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, rub.	561
J. L. Luckenbach	11	11	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	9,432
Columbia ²	11	11	Swed.	Johnson Line	Vancouver, B. C.	Goth'burg, Swed.	General	5,606
Roxen	10	11	Swed.	Transatlantic S. S. Co.	Pt. Pirie, Aust'ia	Newcastle, Eng.	(¹⁹)	7,625
Ino ²	11	12	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, nuts	436
Ralph Talbot ⁹	12	14	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Mugford ⁹	12	14	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Utahan	11	12	Amer.	Amer.-Hawaiian Line	S. Francisco, Cal.	Baltimore, Md.	Lumber, gen.	9,433
Buenos Aires ²	11	12	Swed.	Johnson Line	Valparaiso, Chile	Stockholm, Swed.	Sulphate, gen.	8,715
Turrialba	12	12	Amer.	United Fruit Co.	Pto. Arm'les, R.P.	Baltimore, Md.	Bananas	1,060
Altoth ²	12	12	Neth.	Earle & Stoddart	Vancouver, B. C.	Cobh, Ireland ¹⁴	Wheat	8,850
Alphard ²	12	12	Neth.	Anglo-Can. Ship. Co.	Vancouver, B. C.	London, England	Grain, gen.	8,706
Bastidas ⁴	6	12	Col.	Colombian Govt.	Balboa, C. Z.	Baranquilla, Col.	Ballast	
Lebore	13	13	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,300
Brimanger ²	12	13	Nor.	Interocean S. S. Corp.	Vancouver, B. C.	Rotterdam, Neth.	General	7,445
Wisconsin	13	13	Fr.	French Line	Vancouver, B. C.	Havre, France	General	8,240
Arima Maru ²	13	13	Jap.	Nippon Yusen Kaisha	Yokohama, Japan	Hamburg, Ger.	General	8,495
Elg ²	13	13	Nor.	Anglo-Can. S. S. Co.	Warrenton, Can.	Rotterdam, Neth.	(²⁰)	4,990

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ⁶ Yacht. ⁷ Transport. ⁸ Destroyer. ⁹ For bananas and return to Cristobal. ¹⁰ For orders. ¹¹ Automobile parts, asbestos, etc. ¹² Lubricating oil, general. ¹³ General, steel, cotton. ¹⁴ Copra, coconut oil. ¹⁵ Lead, copra, cocoa. ¹⁶ Wheat, lumber, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Jane Christenson.	13	13	Amer.	Arrow Line.....	Tacoma, Wash..	Baltimore, Md..	Lumber.....	6,850
Malaren ²	13	14	Swed.	Australian Govt.....	Townsville, Aust.	St. John, N. B..	Sugar.....	4,780
Rignor ^{1 2}	13	14	Nor.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Lands End ¹⁴ ...	Gasoline.....	9,084
Oropesa.....	14	15	Brit.	Pacific Steam Nav.Co.	Talcahuano, Chile	Liverpool, Eng..	(¹⁵)	9,697
Point Lobos.....	14	14	Amer.	Swayne & Hoyt.....	Portland, Oreg..	Tampa, Fla.....	(¹⁶)	5,679
Pennsylvania.....	14	14	Amer.	Weyerhaeuser S.S. Co.	Seattle, Wash..	New York, N. Y.	Lumber, gen.	6,819
Alaskan.....	14	14	Amer.	Amer.-Hawaiian Line.	Seattle, Wash..	Boston, Mass....	General.....	6,359
Mathew Luckenbach.	14	14	Amer.	Luckenbach Line....	Portland, Oreg..	Tampa, Fla.....	General.....	6,656
Thorstrand ²	14	14	Nor.	Fred Olsen Line.....	S. Francisco, Cal.	Liverpool, Eng..	Fruit, gen.....	1,670
Loosdrecht ^{1 2}	14	14	Neth.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N. W. I.	(¹⁷)	14,320
Ohioan.....	14	14	Amer.	Amer.-Hawaiian Line.	S. Francisco, Cal.	Boston, Mass....	General.....	6,745
Calmar.....	14	14	Amer.	Calmar S. S. Corp....	Tacoma, Wash..	Baltimore, Md..	Copper, lum.	6,336
City of Newport News.	14	15	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General.....	6,457
Amerika ²	15	15	Dan.	East Asiatic Co.....	Vancouver, B. C.	Copenhagen, Den.	(¹⁸)	9,633
Trois Ilets.....	14	17	Fr.	French Line.....	B'ventura, Col..	Cristobal, C. Z..	Coffee.....	282
Victoria City.....	15	15	Brit.	East Asiatic Co.....	Rashin, Korea..	Cobb, Ireland ¹⁴ .	Soy beans.....	8,300
Nyhorn ²	15	15	Nor.	Knutsen Line.....	Vancouver, B. C.	Cardiff, Wales...	Lumber.....	6,855
Peradovic.....	15	15	J-Slav.	Chile Nit. Sales Corp.	Iquique, Chile..	Azores ¹⁴	Nit. of soda...	8,075
Virgilio ²	15	16	Ital.	Italian Line.....	Valparaiso, Chile	Genoa, Italy.....	General.....	2,718
Santa Clara.....	15	16	Amer.	Grace Line.....	San Antonio, Chile	New York, N. Y.	Copper, gen.	5,565
San Marcos.....	14	15	Amer.	Quaker Line.....	Longview, Wash.	Philadelphia, Pa.	Lumber, gen.	8,094
Stylianios Chandris.	15	15	Greek.	Louis Dreyfus & Co.	Dairen, China...	Cobb, Ireland ¹⁴ .	Soy beans.....	8,200
Real ²	15	16	Pan.	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z..	Bananas.....	33
Q-2 ⁶	15	16	Amer.	U. S. Army.....	Balboa, C. Z....	Gamboa, C. Z....	Ballast.....	34
Samba ²	15	16	Pan.	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z..	Bananas.....	50
Taira ²	15	16	Pan.	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z..	Bananas.....	34
Puerto Bello ²	15	15	Pan.	A. Tagaropoulos.....	Darien, R. P....	Colon, R. P.....	(¹⁹)	16
Kentuckian.....	15	15	Amer.	Amer.-Hawaiian Line.	Seattle, Wash..	New York, N. Y.	General.....	6,226
Sofie Bakke ²	15	15	Nor.	Knutsen Line.....	N. Westm'r, B.C.	Glasgow, Scot..	General.....	7,126
Zouave.....	15	15	Brit.	Nitrate Commissioners	Tocopilla, Chile.	Azores ¹⁴	Nitrate.....	7,365
Lochmonar ²	15	16	Brit.	Royal Mail Lines.....	Vancouver, B. C.	Rotterdam, Neth.	General.....	9,265
Sona ²	15	16	Pan.	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z..	Bananas.....	28
Frank ²	15	16	Pan.	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z..	Bananas.....	34
Scottish Star.....	15	16	Brit.	Blue Star Line.....	Vancouver, B. C.	Glasgow, Scot..	Frozen, gen.	4,762
H. D. Collier ¹	15	16	Amer.	Standard Oil of Calif.	Richmond, Calif.	Hamburg, Ger....	Aviation gas.	11,159
Harpoon.....	16	16	Amer.	Shepard S. S. Co....	S. Francisco, Cal.	Baltimore, Md..	Lumber, gen.	8,757
Knoxville City.....	16	17	Amer.	Isthmian S. S. Lines.	N. Westm'r, B.C.	Avonmouth, Eng.	(¹⁹)	7,451
Oregonian.....	16	16	Amer.	Amer.-Hawaiian Line.	Portland, Oreg..	Boston, Mass....	General.....	6,280
Amagisan Maru ²	16	16	Jap.	Mitsui Bussan Kaisha	Manila, P. I....	Baltimore, Md..	Sugar, gen.	6,877
Hamakua.....	16	16	Amer.	Matson Nav. Co.....	Pt. Allen, T. H..	Baltimore, Md..	(²⁰)	6,014
Kishacoquillas ¹	16	16	Amer.	Com. Molasses Corp.	Honouapo, T. H.	Houston, Tex....	Molasses.....	8,122
Kano Maru ²	16	17	Jap.	Kokusai Kisen Kaisha	Manila, P. I....	Boston, Mass....	Silk, gen.....	7,959
American Reefer ²	16	17	Dan.	J. Lauritzen.....	Seattle, Wash..	Helsingfors, Finn.	Fruit.....	1,894
Sea Horse ³	16	17	Amer.	N. E. Parker.....	Balboa, C. Z....	Cristobal, C. Z..	Ballast.....	7,700
Norman Monarch	16	17	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	Immingham, Eng.	(²¹)	8,600
Temple Bar.....	17	17	Brit.	Chile Nit. Sales Corp.	Antofagasta, Chile	Azores ¹⁴	Nitrate.....	7,700
Dallas ³	17	17	Amer.	U. S. Navy.....	Balboa, C. Z....	Cristobal, C. Z..	Coffee.....	626
Istmo.....	17	18	Pan.	Elliot Ship. & Land Co.	B'ventura, Col..	Cristobal, C. Z..	Soy beans.....	8,612
Gerassimos Vergottis.	17	17	Greek.	Messrs. Adelphi Vergotti.	Rashin, Korea..	Cobb, Ireland ¹⁴ .	(²²)	522
Nero ²	17	19	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z..	Coffee, rub..	437
Ino ²	17	21	Neth.	Royal Neth. S. S. Co.	B'ventura, Col..	Cristobal, C. Z..	Lumber, gen.	7,713
Absaroka.....	17	17	Amer.	McCormick S. S. Co.	Los Angeles, Cal.	Norfolk, Va.....	Copper, gen.	6,007
Osnabruk ²	17	19	Ger.	North German Lloyd.	Corral, Chile....	Bremen, Ger....	Wheat.....	8,820
Alkaid ²	18	18	Neth.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Hull, England...	Fruit, gen.	7,600
Tarangar ²	18	18	Nor.	Interocean S. S. Corp.	Vancouver, B. C.	Rotterdam, Neth.	Iron ore.....	11,300
Santoro.....	18	18	Amer.	Ore S. S. Corp.....	Cruz Gr'de, Chile	Baltimore, Md..	Puerto Rico...	8,378
Acacia ¹³	18	20	Amer.	U. S. Government....	Cape Mala, R. P.	Liverpool, Eng..	Copper, gen.	349
Laguna ²	18	18	Brit.	Pacific Steam Nav.Co.	Talcahuano, Chile	Champico, Guat.	Coffee, gen.	349
John Cabot.....	18	21	Brit.	Grace Line.....	Balboa, C. Z....	Cristobal, C. Z..	Ballast.....	1,350
Winslow ⁵	18	19	Amer.	U. S. Army.....	Pto. Arm'les, R. P.	Baltimore, Md..	Bananas.....	437
Zacapa.....	19	19	Amer.	U. S. Navy.....	San Diego, Calif.	Norfolk, Va.....	General.....	7,234
S-21 ⁷	19	19	Amer.	U. S. Navy.....	San Diego, Calif.	N. London, Conn.	Wheat, lum.	9,214
S-24 ⁷	19	19	Amer.	U. S. Navy.....	San Diego, Calif.	Norfolk, Va.....	General.....	7,234
S-22 ⁷	19	19	Amer.	U. S. Navy.....	San Diego, Calif.	Norfolk, Va.....	General.....	7,234
S-26 ⁷	19	19	Amer.	U. S. Navy.....	San Diego, Calif.	Norfolk, Va.....	General.....	7,234
Point Estero.....	20	20	Amer.	Swayne & Hoyt.....	Seattle, Wash..	Panama City, Fla.	Lumber, gen.	6,082
Cuyama ¹	19	22	Amer.	U. S. Navy.....	Los Angeles, Cal.	Coco Solo, C. Z..	Fuel oil.....	326
General W. M. Graham. ¹¹	20	20	Amer.	U. S. Army.....	Balboa, C. Z....	Cristobal, C. Z..	General.....	21,000
Steele.....	21	21	Amer.	Ore S. S. Corp.....	Cruz Gr'de, Chile	Baltimore, Md..	General.....	7,834
Bennekom.....	21	21	Neth.	Royal Neth. S. S. Co.	Talcahuano, Chile	Hamburg, Ger....	Wheat, lum.	9,214
Everleigh.....	21	21	Brit.	Atl. Ship. & Trad. Co.	Pt. Alberni, B. C.	Liverpool, Eng..	General.....	7,834
Sturgeon ⁷	21	28	Amer.	U. S. Navy.....	Guayaquil, Ecua.	Cristobal, C. Z..	General.....	7,834

¹ Tanker. ² Motor ship. ³ Launch. ⁴ Submarine. ⁵ Destroyer. ⁶ Mine planter. ⁷ Lighthouse tender.
¹⁴ For orders. ¹⁵ Copper, tin, general. ¹⁶ Lumber, canned goods. ¹⁷ Gasoline, kerosene. ¹⁸ Grain, lumber, general.
¹⁹ Fruit, plantains. ²⁰ Canned pineapples, sugar. ²¹ Grain, timber, pulp. ²² Coffee, tagua, balsa.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Canonesa.....	21	22	Brit...	Furness-Prince Line.	N. Westm'r, B. C.	Glasgow, Scotland	Frozen, gen.	5,755
Lillian Luckenbach.....	21	21	Amer...	Luckenbach Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	8,494
Egyptian Reefer ²	21	22	Dan...	J. Lauritzen.	Vancouver, B. C.	Haifa, Palestine.	Fruit, gen.	1,552
Alaska.....	21	22	Fr.	French Line.	San Antonio, Chile	Havre, France.	General.	7,818
Michigan.....	21	21	Amer.	States S. S. Co.	Aberdeen, Wash.	Baltimore, Md.	Lumber, gen.	7,706
Yamazato Maru ²	21	23	Jap.	Yamashita Line.	Kobe, Japan.	Buenos Aires, Arg.	General.	4,367
Tislington Court.....	21	22	Brit...	Seaboard Ship. Co.	Victoria, B. C.	London, England	(14)	9,975
Santa Maria ²	21	22	Amer.	Grace Line.	Valparaiso, Chile.	New York, N. Y.	General.	4,965
Mersington Court.....	21	22	Brit...	Chile Nit. Sales Corp.	Iquique, Chile.	Azores ¹⁵	Nit. of soda	7,360
Pacific Grove ²	22	22	Brit...	Furness, Withy & Co.	Victoria, B. C.	Manchester, Eng.	General.	8,225
Asakasan Maru ²	22	22	Jap.	Mitsui & Co.	Manila, P. I.	New York, N. Y.	General.	4,346
Chateau Thierry ⁸	22	22	Amer.	U. S. Army.	Balboa, C. Z.	Brooklyn, N. Y.	Army stores.	300
Harvester.....	22	22	Amer.	Shell Union Oil Corp.	Wilmington, Cal.	Fall River, Mass.	Gasoline.	8,345
Cerigo.....	22	28	Ger.	Hamburg-Amer. Line.	Callao, Peru.	Cristobal, C. Z.	(15)	502
Salvador.....	22	29	Brit...	Pacific Steam Nav. Co.	Champico, Guat.	Cristobal, C. Z.	Coffee, gen.	380
San Francisco.....	22	23	Fr.	French Line.	Vancouver, B. C.	Havre, France.	General.	6,690
Korana.....	22	22	U. Slav.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores ¹⁵	Nit. of soda	8,200
Winona.....	22	22	Amer.	Weyerhaeuser S. S. Co.	Los Angeles, Cal.	Baltimore, Md.	Lumber, gen.	8,476
Real ²	22	23	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	30
Sambu ²	22	23	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	46
Remuera.....	22	23	Brit...	N. Z. Shipping Co.	Opua, P. I.	London, England	Frozen, gen.	5,764
Modjokerto ²	23	23	Neth.	Pac.-Java-Bengal Line.	Vancouver, B. C.	Calcutta, India.	General.	7,391
Californian ²	22	23	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General.	8,687
Cordillera.....	22	23	Brit...	Donaldson Line.	Vancouver, B. C.	Glasgow, Scotland	Fruit, gen.	4,304
Svithiod ¹ ²	23	23	Pan.	Standard Oil of N. J.	Talara, Peru.	Aruba, N. W. I.	Blending oil.	9,417
Iowan.....	23	23	Amer.	Amer.-Hawaiian Line.	Astoria, Oreg.	Boston, Mass.	General.	6,794
Barneveld.....	23	23	Neth.	Royal Neth. S. S. Co.	Talcahuano, Chile	Hamburg, Ger.	General.	7,200
American Robin.....	23	23	Amer.	Amer.-For. S. S. Corp.	Tacoma, Wash.	Providence, R. I.	Lumber.	6,950
Amerikaland ²	23	23	Swed	For. S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore.	21,600
Cachalot ⁷	23	23	Amer.	U. S. Navy.	Balboa, C. Z.	Cristobal, C. Z.	(16)	7,007
Greataston.....	23	24	Brit...	Seaboard Ship. Co.	Pt. Alberni, B. C.	Newark, N. J.	(16)	7,007
Sessa.....	23	24	Dan.	Wessel, Duval & Co.	Valparaiso, Chile.	New York, N. Y.	General.	2,613
Bogota ²	23	26	Ger.	North German Lloyd.	Callao, Peru.	Cristobal, C. Z.	(17)	490
River Lugar.....	23	24	Brit...	Ayrshire Nav. Co.	Suva, Fiji Is.	Lands End, Eng. ¹³	Raw sugar.	8,887
Sidney M. Hauptman.....	24	24	Amer.	McCormick S. S. Co.	Seattle, Wash.	New York, N. Y.	Lumber, gen.	8,744
Istmo.....	24	26	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee.	363
Nero ²	24	26	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee, hides	295
Trois Ilets.....	24	26	Fr.	French Line.	B'ventura, Col.	Cristobal, C. Z.	Coffee.	292
Danio ²	24	24	Nor.	No. Atl. & Gulf S. S. Co.	Pt. Chicama, Peru	Philadelphia, Pa.	General.	5,735
Benjamin Franklin ²	24	25	Nor.	Fred Olson Line.	Vancouver, B. C.	Oslo, Norway.	General.	8,415
Steel Age.....	24	24	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	8,208
Eskdalegate.....	24	25	Brit...	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores ¹⁵	Nit. of soda.	7,328
Clio ²	24	26	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(18)	410
Washington Express ²	25	25	Nor.	Fruit Express Line.	Seattle, Wash.	Rotterdam, Neth.	Fresh fruit.	2,038
Kimikawa Maru ²	25	26	Jap.	Kawasaki Kisen K.	Dairen, China.	New York, N. Y.	Silk, gen.	2,387
Stonegate.....	25	25	Brit...	Chile Nit. Sales Corp.	Taltal, Chile.	Azores ¹⁵	Nit. of soda.	8,450
Lewis Luckenbach.....	25	25	Amer.	Luckenbach Line.	Townsend, Wash.	Boston, Mass.	Lumber, gen.	12,472
Barfleu ²	25	25	Fr.	French Line.	N. Westm'r, B. C.	London, England	Fresh fruits.	1,740
Ermland ²	25	27	Ger.	Hamburg-Amer. Line.	Philippines.	New Orleans, La.	(19)	6,939
Integritas.....	25	26	Ital.	Italian State.	Chanaral, Chile.	Genoa, Italy.	Copper.	7,000
Carrillo.....	26	26	Amer.	United Fruit Co.	Pto. Arm'les, R. P.	Baltimore, Md.	Bananas.	1,064
Ellin.....	26	26	Greek.	Seaboard Ship. Co.	Vancouver, B. C.	Immingham, Eng.	Wheat, lum.	8,897
F. J. Luckenbach.....	26	26	Amer.	Luckenbach Line.	Los Angeles, Cal.	New Orleans, La.	General.	4,070
Porto Bello ²	26	26	Pan.	A. Tagaropoulos.	Darien, R. P.	Colon, R. P.	(20)	8
Chilore.....	27	27	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore.	21,000
Imperial ²	27	27	Chile.	Sud. Amer. de Vapores	Corral, Chile.	Hamburg, Ger.	General.	3,673
Carlton.....	26	27	Brit...	R. Stevenson & Co.	Stockton, Calif.	Dublin, Ireland.	Barley.	8,015
Hokkai Maru ²	26	28	Jap.	Osaka Shosen Kaisha	Dairen, China.	Hamburg, Ger.	Borax, gen.	4,196
Canadian Challenger.....	26	27	Brit...	Colonial Sugar Ref.	Cairnes, Australia	Halifax, N. S.	Raw sugar.	6,898
Pennsylvania.....	27	27	Amer.	Amer.-Hawaiian Line.	Tacoma, Wash.	Boston, Mass.	General.	5,886
Amasis.....	27	28	Ger.	Hamburg-Amer. Line.	Talcahuano, Chile	Cristobal, C. Z.	General.	8,065
San Simon.....	27	27	Amer.	Quaker Line.	Portland, Oreg.	Philadelphia, Pa.	General.	7,315
Tulsag ¹	27	28	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Providence, R. I.	Heating oil.	9,802
Appledore.....	27	28	Brit...	Seaboard Ship. Co.	Victoria, B. C.	Hull, England.	Wheat, lum.	9,400
Ambassador.....	27	28	Brit...	Chile, Nit. Sales Corp.	Tocopilla, Chile.	Azores ¹⁵	Nitrate.	7,700
Karnt ²	27	28	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Savannah, Ga.	Nitrate.	8,875
Uffington Court.....	28	28	Brit...	Canadian Transp. Co.	Vancouver, B. C.	London, England	Wheat, lum.	8,450
Kansan.....	28	28	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Baltimore, Md.	General.	7,186
Santa Rita ²	28	28	Amer.	Grace Line.	Chanaral, Chile.	New York, N. Y.	(21)	3,131
Benmohr.....	27	28	Brit...	Anglo-Can. S. S. Co.	Vancouver, B. C.	London, England	Lumber, gen.	8,638
City of Los Angeles.....	28	29	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General.	5,332
Dresden ²	28	29	Ger...	North German Lloyd.	Valparaiso, Chile.	Hamburg, Ger.	General.	5,955

¹ Tanker. ² Motor ship. ³ Submarine. ⁸ Transport. ¹³ For orders. ¹⁴ Wheat, lumber, lead. ¹⁵ Coffee, hides, cocoa. ¹⁶ Lumber, wood pulp. ¹⁷ Coffee, cocoa, general. ¹⁸ Coffee, balsa, tagua. ¹⁹ Copra, hemp, coconut oil. ²⁰ Lumber, plantains. ²¹ Copper, cotton, bananas.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Fortuna ²	28	29	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Colon, R. P.	Bananas	47
Rialto ²	29	30	Ital.	Italian Line	Vancouver, B. C.	Trieste, Italy	General	7,005
Fionia ²	28	29	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den.	General	5,764
City of Dalhart ²	29	30	Amer.	Roosevelt S. S. Co.	Fremantle, Aust.	New York, N. Y.	General	6,800
Real ²	29	30	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	34
Sona ²	29	30	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	30
Pirre ²	29	30	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	34
Taira ²	29	30	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	52
Sambu ²	29	30	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	40
La Union ²	29	30	Pan.	A. A. Valdes	Bayano, R. P.	Cristobal, C. Z.	Bananas	36
San Ambrosio ^{1 2}	29	30	Pan.	Eagle Oil & Ship. Co.	Martinez, Calif.	Lizard, Eng. ¹³	Gasoline	10,249
Drechtijk ²	30	1	Neth.	N. Pac. Coast Line	Victoria, B. C.	Rotterdam, Neth.	General	8,992
Goviken ²	30	2	Nor.	Grace Line	Salaverry, Peru	New York, N. Y.	Sugar	7,000
Istmo ²	30	3	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Ballast	
Mabriton ²	29	30	Brit.	R. Chapman & Son	Vancouver, B. C.	London, England	Wheat	9,565
Oregon ²	30	1	Fr.	French Line	Vancouver, B. C.	Havre, France	General	7,436
Svenor ²	30	30	Nor.	S. Ugelstad, Oslo	San Luis, Calif.	Pt. de Bouc, Fr.	Crude oil	11,300
Pan Gothia ^{1 2}	30	1	Swed.	Standard Oil Co.	Talara, Peru	Rotterdam, Neth.	Oil, naphtha	14,206
Timber Rush	30	1	Amer.	Shepard S. S. Co.	Everett, Wash.	New York, N. Y.	Lum., gen.	7,505
Kaikoura ²	30	2	Brit.	M. A. N. Z. Line	Adelaide, Aust.	St. John, N. B.	General	3,536
Steel Maker	30	1	Amer.	Isthmian S. S. Lines	N. Westm'er, B. C.	Avonmouth, Eng.	(¹⁴)	8,005
Durazzo	1	3	Ger.	Hapag Lloyd	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, hides	434
Nero ²	1	3	Neth.	Royal Neth. S. S. Co.	Tumaco, Col.	Cristobal, C. Z.	Ballast	
Birmingham City	1	1	Amer.	Isthmian S. S. Lines	Honolulu, T. H.	New York, N. Y.	Sugar, pines	8,292
Athelcrown ^{1 2}	1	1	Brit.	United Molasses Co.	Kahului, T. H.	Liverpool, Eng.	Molasses	17,100
Berganger ²	1	2	Nor.	Interocean S. S. Corp.	Vancouver, B. C.	Rotterdam, Neth.	(¹⁵)	8,018
Pereira	1	5	Pan.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General	636
Ramon de Larrinaga	1	1	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Liverpool, Eng.	Cereals, canned fruit	8,805
Pacific	1	1	Amer.	Weyerhaeuser S. S. Co.	Seattle, Wash.	Norfolk, Va.	Lumber, gen.	7,895
Hoxbar ¹	1	2	Amer.	Petrol Corp., L. A.	Los Angeles, Cal.	New York, N. Y.	Crude oil	10,126
Virginian	1	2	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	Lumber, gen.	8,920
Salmon ²	2	2	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Minerva ²	2	2	Nor.	Chile. Nit. Sales Corp.	Iquique, Chile	Wilmington, N. C.	Nit. of soda	9,407
Hadleigh	2	2	Brit.	Seaboard Lumber Co.	Crofton, B. C.	Cardiff, Wales	Grain, lum.	9,000
Balboa ²	1	2	Swed.	Johnson Line	Valparaiso, Chile	Goth'burg, Swed.	General	8,644
S-43 ⁷	2	2	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Marchen Maersk ²	2	3	Dan.	A. P. Moller	Cebu, P. I.	New York, N. Y.	General	7,215
Gryfevale	2	2	Brit.	Chile Nit. Sales Corp.	Antof'gasta, Chile	Azores ¹³	Nit. of soda	7,660
Tyrfjord	2	3	Nor.	No. Atl. & Gulf Co.	Salaverry, Peru	Boston, Mass.	Raw sugar	5,129
Ino ²	2	4	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	383
Torvanger	2	3	Nor.	Chile Nit. Sales Corp.	Iquique, Chile	Azores ¹³	Nitrate	10,041
Turrialba	3	3	Amer.	United Fruit Co.	Pto. Arm'les, R. P.	Baltimore, Md.	Bananas	1,135
Tai Ping ²	3	4	Nor.	Barber-Wilhelmssen	Zamboanga, P. I.	New York, N. Y.	General	7,121
Porto Bello ²	3	3	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(¹⁶)	8
Trontolite ^{1 2}	4	4	Brit.	Imperial Oil Ship. Co.	Talara, Peru	Halifax, N. S.	Gasoline	7,483
Sirius	3	7	Amer.	U. S. Navy	San Diego, Calif.	Norfolk, Va.	Navy stores	2,021
Ammon	3	4	Ger.	Hamburg-Amer. Line	Corral, Chile	Hamburg, Ger.	General	9,930
Robert Luckenbach	3	4	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,505
Charles R. McCormick	3	4	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	7,489
Naruto Maru ²	4	5	Jap.	Nippon Yusen Kaisha	Shanghai, China	Baltimore, Md.	General	2,224
American	4	4	Amer.	Amer.-Hawaiian Line	Tacoma, Wash.	Boston, Mass.	General	5,427
Vernar	4	4	Amer.	Calmar Line	Portland, Oreg.	Philadelphia, Pa.	Lumber	7,600
Champagne ^{1 2}	4	4	Fr.	Soc. Fr. Transp. Pet.	Talara, Peru	Berre, France	Crude oil	14,238
Argentina ²	4	5	Swed.	Johnson Line	Vancouver, B. C.	Stockholm, Swed.	Fruit, gen.	6,032
Somersby	4	5	Brit.	Continental Grain Co.	Vancouver, B. C.	Cobb, Ireland ¹³	Wheat	8,500
John Bakke ²	4	6	Nor.	Knut Knutsen	Valparaiso, Chile	Oslo, Norway	Fruit, gen.	7,536
Scaramouch ^{2 6}	24	24	Amer.	William Tompkins	Long Beach, Calif.	Miami, Fla.	Ballast	
Sterneborg ²	4	5	Dan.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Boston, Mass.	Lumber	7,402
Point Vincente	5	5	Amer.	Swayne & Hoyt, Ltd.	Portland, Oreg.	Panama City, Fla.	Lumber, gen.	5,463
Orbita	5	5	Brit.	Pacific Steam Nav. Co.	San Antonio, Chile	Liverpool, Eng.	Copper, gen.	8,206
Temple Mead	5	5	Brit.	Chile Nit. Sales Corp.	Iquique, Chile	Azores ¹³	Nit. of soda	7,657
Weser ²	4	6	Ger.	North German Lloyd	Vancouver, B. C.	Bremen, Ger.	General	8,326
Parthenia	5	5	Brit.	Donaldson Bros.	Vancouver, B. C.	Glasgow, Scot.	General	6,067
Wellington Court	4	5	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	Sampton, Eng.	Lum., wheat	8,100
Filleigh	5	5	Brit.	Kerr Gifford, Inc.	Portland, Oreg.	United Kingdom	Wheat	8,559
Tropic Star	5	5	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile	Savannah, Ga.	(¹⁷)	8,330
City of San Francisco	5	6	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	4,734
Ardanbhan	5	6	Brit.	Continental Grain Co.	Longview, Wash.	Cobb, Ireland	Wheat	7,673
Trois Ilets	5	7	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee, ivory	218
Acajula	6	6	Amer.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	Coffee, gen.	335
Santa Lucia	5	6	Brit.	Grace Line	San Antonio, Chile	New York, N. Y.	General	5,739
Fortuna ²	6	6	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Colon, R. P.	Bananas	45
L. A. Christensen	6	6	Nor.	Canadian Gulf Line	Powell Riv., B. C.	Houston, Tex.	(¹⁸)	4,587

¹ Tanker. ² Motor ship. ⁶ Yacht. ⁷ Submarine. ¹³ For orders. ¹⁴ Grain, lumber, general. ¹⁵ Wheat, lumber, general. ¹⁶ Lumber, plantains. ¹⁷ Nitrate, saltcake. ¹⁸ Shingles, paper.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Sambu ²	6	7	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	45
Real ²	6	7	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	27
Tuira ²	6	7	Pan	J. Laffargue	Darien, R. P.	Cristobal, C. Z.	Bananas	62
Sona ²	6	7	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	45
Popeye ⁵	6	7	Amer.	J. E. Baxendale	Balboa, C. Z.	Ped. Miguel, C.Z.	Ballast	
Albion Star	6	7	Brit.	Blue Star Line	N. West'er, B. C.	Liverpool, Eng.	Frozen, gen.	5,312
Krossfonn ^{1 2}	6	7	Nor.	Pechelbronn, Paris	La Libertad, Ecu.	Donges, Francee.	Crude oil	13,506
Kiyosumi Maru ²	7	8	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	New Orleans, La.	(14)	4,514
City of Glasgow	7	8	Brit.	M. A. N. Z. Line	Dunedin, N. Z.	Halifax, N. S.	General	2,420
Trecarrell	6	7	Brit.	Archer Daniel Mid. Co.	Vancouver, B. C.	Cobb, Ireland ¹³	Wheat	7,569
San Anselmo	7	7	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	General	8,601
Aequator	12	7	Ger.	Exper. Shark Fish. Co.	High seas	Cuacaco, N. W. I.	Ballast	
Mexican	7	7	Amer.	Amer.-Hawaiian Line	Los Angeles, Cal.	Boston, Mass.	Lumber, gen.	7,694
S-47 ⁷	7	8	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Marna	7	8	Dan.	West Coast Line	San Antonio, Chile	New York, N. Y.	General	2,650
S-46 ⁷	7	8	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Mataroa	7	7	Brit.	Shaw, Savill & Albion	Pt. Chalmers, N.Z.	London, England	Frozen, gen.	5,273
Rangitiki ²	7	7	Brit.	N. Z. Shipping Co.	Wellington, N. Z.	London, England	(15)	4,965
Bethore	8	8	Amer.	Ore S. S. Corp.	Cruz Gr de, Chile	Baltimore, Md.	Iron ore	21,200
Pacific Shipper ²	7	8	Brit.	Furness, Withy & Co.	Vancouver, B. C.	London, England	General	7,136
Litipora ^{1 2}	7	8	Nor.	Petroleo Mexicano	Guayamas, Mex.	Tampico, Mexico	Ballast	
Ingersels	7	8	Nor.	Chile Nit. Sales Corp.	Toecopilla, Chile.	Norfolk, Va.	Nit. of soda	7,740
William Luckenbach	8	8	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	(16)	7,298
S-42 ⁷	8	9	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Kyusyu Maru ²	8	9	Jap.	Osaka Shosen Kaisha	Manila, P. I.	New York, N. Y.	Sugar, hemp.	4,355
S-45 ⁷	8	9	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Loreto ²	8	9	Brit.	Pacific Steam Nav. Co.	Taleahuano, Chile	Hull, England	General	8,115
Mallard ⁴	9	9	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Terukawa Maru ²	8	10	Jap.	Kawasaki K. Kaisha	Seishin, Chosen	New Orleans, La.	(17)	2,025
Beaconoil ¹	8	9	Amer.	West India Oil Co.	Talara, Peru	Aruba, N. W. I.	Gas oil	9,964
Katrina Luckenbach	9	9	Amer.	Luckenbach Line	Portland, Oreg.	Tampa, Fla.	General	4,286
Theofano Livanos	9	9	Greek	Cia. Salit. Anglo-Chile	Toecopilla, Chile.	Azores ¹³	Nitrate	8,800
St. Nihil ⁸	8	10	Amer.	U. S. Army	S. Francisco, Cal.	New York, N. Y.	General	1,558
Hindanger ²	9	9	Nor.	Interocean Line	Vancouver, B. C.	Rotterdam, Neth.	(18)	6,971
Malabar ¹	9	9	Amer.	Shell Oil Corp.	Los Angeles, Cal.	New York, N. Y.	Fuel oil	11,136
Nicolaou Ourania	9	10	Greek	East Asiatic Co.	Rashin, Korea.	Karlsham, Swed.	Soy beans	8,864
Svealand ²	9	10	Swed.	Ore S. S. Corp.	Cruz Gr de, Chile	Baltimore, Md.	Iron ore	21,700
Elizabeth Kellogg ¹	9	10	Amer.	Kellogg S. S. Corp.	Manila, P. I.	New York, N. Y.	Coconut oil	6,685
Clio ²	9	10	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(19)	505
Quito ²	10	10	Ger.	North German Lloyd	Guayaquil, Ecu.	Cristobal, C. Z.	(20)	1,041
Europa ²	10	10	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den.	(21)	8,960
Zacapa	10	10	Amer.	United Fruit Co.	Pto. Arml'es, R.P.	Baltimore, Md.	Bananas	1,100
Hawaiian	10	10	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Baltimore, Md.	General	6,538
Miss C. B. ²	10	10	Brit.	Sanabria Mines, Ltd.	Tumaco, Col.	Tampa, Fla.	Machinery	9
Doric Star	10	10	Brit.	Blue Star Line	Timaru, N. Z.	London, England	Frozen, gen.	6,803
Middlesex	10	10	Brit.	Federal Steam Nav. Co.	Lyttleton, N. Z.	Glasgow, Scot.	General	6,947
Porto Bello ²	10	10	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(22)	10

¹ Tanker. ² Motor ship. ⁴ Tug. ⁵ Launch. ⁷ Submarine. ⁸ Transport. ¹³ For orders. ¹⁴ Sugar, silk, general. ¹⁵ Meat, wool, general. ¹⁶ Canned goods, lumber. ¹⁷ Fish meal, silk, general. ¹⁸ Wheat, lumber, general. ¹⁹ Coffee, wood, cotton. ²⁰ Nuts, coffee, general. ²¹ Wheat, barley, general. ²² Lumber, plantains.

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.

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:"	
Private and semiprivate rooms.....	Daily, 9:30-11 a. m.; 2-4:30 p. m.; 6:30-8 p. m.
Wards.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m.
	Sunday and holidays, 9:30-11 a. m.; 2:00-4 p. m.
Section "B:"	
Ward 5, white American male, private and semiprivate rooms.....	Daily, 9:30-11 a. m.; 2-4:30 p. m.; 6:30-8 p. m.
Ward 6, foreign male and female, private rooms; American girls.....	
Ward 7, white females, private rooms.....	
Ward 8, obstetrical department, white females.....	
Nursery.....	No visitors allowed.
Section "C:"	
Wards 9 (colored section), 11, 12, and 13.....	Wednesday, Friday, Sunday, and holidays, 1-2:30 p. m.
	Visitors from Atlantic side may remain until 3 p. m.
Wards 9 (white section), 10, and 14.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m.
	Sundays and holidays, 9:30-11 a. m.; 2:30-4:30 p. m.; 6:30-7:30 p. m.
	Visitors to venereal cases in wards 13 and 14 will be limited to two members of patient's immediate family.
Section "D:"	
Wards 15 and 16.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m.
	Sundays and holidays, 9:30-11 a. m.; 2:30-4:30 p. m.; 6:30-7:30 p. m.
Wards 17, 19, and 20.....	Wednesday, Friday, Sunday, and holidays, 1-2:30 p. m.
	Visitors from Atlantic side may remain until 3 p. m.
Ward 18.....	Daily, 9:30-11 a. m.; 2-4:30 p. m.
Isolation section.....	No visitors permitted except to adults to visit tuberculosis patients Thursday, Sunday, and holidays, 1:30-3 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.

Dispensary Hours

Location	Week days		Sundays and holidays
	Morning	Afternoon	Morning
Ancon.....	8:00-11:00	3:00-5:00	9:00-10:00
Balboa.....	8:00-11:00	3:00-5:00	9:00-10:00
Colon.....	8:00-11:00	3:00-5:00	8:00-10:00
Gatun.....	8:00-11:00	3:00-5:00	8:30-9:30
Gamboa.....	8:00-11:00	3:00-5:00	9:00-10:00
Pedro Miguel.....	8:00-11:00	3:00-5:00	9:00-10:00

Gorgas Hospital Out-Patient Clinic Hours

	Daily, except Sundays and holidays	
	Morning	Afternoon
Medical Clinic.....	*11:00-12:00	*2:00-4:00
Branch Medical Clinic, by appointment only.....	8:00-12:00	1:00-4:00
(Consultations only on Saturday, 8-12 a. m.).....		
Allergy Clinic, by appointment only, Thursday.....		1:00-3:30
Surgical Clinic.....		2:00-3:00
Eye, Ear, Nose and Throat Clinic, white patients.....		*2:00-3:00
Eye, Ear, Nose and Throat Clinic, colored patients.....	8:00-12:00	
X-Ray Clinic.....	8:00-12:00	1:00-4:00
Radio-Therapy Clinic.....	8:00-12:00	1:00-4:00
Hydro-Therapy Clinic.....	8:00-12:00	1:30-4:00
Silver Dental Clinic.....	8:00-12:00	1:00-4:00

* And by appointment.

Colon Hospital and Dispensary Clinic Hours

	Week days		Sundays and holidays
	Morning	Afternoon	Morning
Eye, Ear, Nose and Throat Clinic.....	10:30-12:00	*1:00-4:00	8:00-10:00
Gold Clinic.....	8:30-11:00	3:00-5:00	8:00-10:00
Silver Clinic.....	8:00-11:00	3:00-5:00	8:00-10:00
Surgical Clinic.....		1:00-4:00	
Maternity and Children's.....	8:30-11:00	3:00-5:00	
Silver Dental Clinic.....	8:00-12:00	2:00-5:00	
X-Ray.....	11:00-12:00	2:00-3:00	

* Excepting Fridays

Visiting Hours, Colon Hospital

Section and Ward	Visiting Hours
Ward A, male, white (ward and semiprivate rooms).....	Daily, 2 to 4 p. m.; 6:30 to 8 p. m.
Ward C, male and female, white (ward and private rooms) (No visitors allowed in nursery)	Daily, 2 to 4 p. m.; 6:30 to 8 p. m.
Ward B, female, colored (ward and semiprivate rooms)...	Tuesday, Thursday, Sunday, and holidays, 2 to 3:30 p. m.
Ward E, male, colored.....	Tuesday, Thursday, Sunday, and holidays, 2 to 3:30 p. m.

Visiting Hours, Corozal Hospital for the Insane

Sundays, Wednesdays, and holidays:

9 a. m. to 10:30 a. m.

1 p. m. to 3:30 p. m.

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.

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.

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.

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.

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.

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Volume XXXII

Balboa Heights, C. Z., January 15, 1939

No. 6

Traffic Through the Panama Canal in December 1938

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

	December 1936	December 1937	December 1938		
			Atlantic to Pacific	Pacific to Atlantic	Total
Ocean-going commercial traffic	341	439	284	225	509
Small commercial vessels ¹	89	79	41	38	79
Noncommercial vessels:					
United States Government	49	43	15	13	28
For repairs	1	2	1	1	2
Total	480	563	341	277	618

¹ Vessels under 300 net tons, Panama Canal measurement.

OCEAN-GOING COMMERCIAL TRAFFIC ²

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 1938, as compared with the calendar year 1937:

Month	No. of vessels		³ Panama Canal net tonnage		Tons of cargo		Tolls	
	1937	1938	1937	1938	1937	1938	1937	1938
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	2,511,674	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	1,856,825.66
June.....	472	445	2,450,018	2,227,698	2,670,466	2,122,389	2,070,337.89	1,801,291.78
July.....	457	429	2,395,306	2,089,000	2,476,366	2,025,660	2,029,642.45	1,694,205.00
August.....	505	468	2,597,119	2,345,000	2,780,603	2,171,674	2,195,308.87	1,890,050.74
September..	444	438	2,312,725	2,165,000	2,385,142	1,998,464	1,935,673.78	1,741,895.46
October....	461	494	2,359,406	2,460,000	2,438,788	2,359,673	1,981,087.87	1,977,706.76
November..	435	505	2,280,565	2,489,000	2,185,283	2,223,830	1,893,462.00	1,884,014.72
December..	439	509	2,238,271	2,526,000	2,046,170	2,374,395	1,845,048.20	2,031,017.04
Total...	5,542	5,626	28,559,935	27,948,717	29,298,766	26,227,268	23,950,072.95	22,608,555.25

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

³ These figures indicate the Panama Canal net tonnage as determined under the rules of measurement in effect prior to March 1, 1938.

⁴ 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.

⁵ Estimated tonnage under the former rules, based on total Panama Canal net tons as now measured, July 1938, 1,933,816; August 1938, 2,177,699; September 1938, 2,005,241; October 1938, 2,276,194; November 1938, 2,302,333; December 1938, 2,336,011.

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 1938. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	⁶ Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific	41	1,986	\$1,565.46	1,052
Pacific to Atlantic	38	1,706	1,531.80	2,037
Total	79	3,692	3,097.26	3,089
Total for calendar year 1938	936	43,797	38,521.94	31,398

⁶ As measured under the present Panama Canal rules.

Traffic by Nationality of Vessels ⁷ for December 1938

Nationality	No. of transits	⁸ Panama Canal net tonnage	Tolls	Tons of cargo
British.....	141	724,609	\$617,173.56	621,671
Chilean.....	1	5,018	4,516.20	2,100
Danish.....	13	49,734	44,102.70	47,333
French.....	10	47,544	42,005.88	54,593
German.....	31	131,457	116,363.52	135,463
Greek.....	10	45,443	39,345.48	63,060
Italian.....	4	22,573	20,315.70	15,315
Japanese.....	21	120,929	108,836.10	125,759
Netherland.....	27	64,141	54,539.10	39,496
Norwegian.....	65	287,426	243,039.24	316,151
Panamanian.....	17	29,807	25,709.58	41,209
Peruvian.....	1	1,526	1,373.40	1,420
Swedish.....	14	66,466	57,148.92	93,887
United States.....	150	726,897	646,459.02	806,684
Venezuelan.....	2	3,468	2,809.08	2,300
Yugoslav.....	2	8,943	7,279.56	7,954
Total.....	509	2,336,011	2,031,017.04	2,374,395

⁷ Tolls-paying vessels of 300 net tons or over, Panama Canal measurement. ⁸ As measured under the present Panama Canal rules.

Traffic by Trade Routes for December 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	⁹ Panama Canal net tonnage	Tons of cargo	No. of ships	⁹ Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	56	271,511	208,274	46	233,470	337,672
East coast United States and:						
Canada.....	2	8,543		3	13,019	20,048
Central America/Mexico.....	7	18,066	4,308	7	16,806	5,994
South America.....	16	67,488	16,444	20	88,351	216,494
Hawaiian Islands.....	3	14,577	13,771	2	9,885	11,855
Australasia.....	8	46,488	45,145			
Philippine Islands.....	9	48,393	54,084	5	29,175	35,363
Far East.....	32	149,733	233,660	5	29,870	17,006
Canadian intercoastal.....	3	13,739	8,636			
East coast Canada and:						
United States.....	1	4,180	7,800			
South America.....	2	5,186	60	1	4,359	7,483
Australasia.....	3	15,167	16,543	4	20,272	14,364
Far East.....	1	6,042	8,026			
Central America/Mexico intercoastal.....	1	1,581	1,717	1	3,643	
South America intercoastal.....	6	10,530	16,555			
East coast South America and:						
United States.....	1	4,046				
Canada.....	2	8,599	7,950	1	4,573	5,864
Balboa.....				1	1,734	
Far East.....	2	11,787	11,279	1	5,396	2,494
Cristobal and:						
Central America/Mexico.....	4	2,692	4,000	5	3,386	2,586
South America.....	13	6,627	4,466	16	9,562	9,812
West Indies and:						
United States.....	2	10,459		1	6,586	13,345
South America.....	4	21,671	12,081	1	5,134	9,964
Balboa.....	2	6,954	12,888			
Far East.....	1	4,612	7,548			
Europe and:						
United States.....	22	93,203	2,234	13	65,915	113,978
Canada.....	44	222,379	37,832	47	239,779	362,953
South America.....	23	118,795	45,050	29	163,911	247,711
Hawaiian Islands.....				1	8,696	17,100
Australasia.....	9	64,555	37,719	10	69,946	63,718
Far East.....	1	5,742	8,033	2	10,099	15,260
Asia and west coast United States.....				1	1,864	1,724
Around the world.....	2	13,195	6,940	1	5,919	7,564
Foreign vessels in ballast (United States intercoastal).....	2	7,698				
Vessels not engaged in commerce.....				¹⁰ 1	423	
Total.....	284	1,284,238	833,043	225	1,051,773	1,541,352

⁹ As measured under present Panama Canal rules.¹⁰ Yacht.

Origin and Destination of Cargo by Major Areas, December 1938

The following table summarizes the origin of cargo passing through the Canal in December 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.....	210,093	20,848	299,679	16,406	45,145	592,171
Other North America.....	9,387	30,183	9,151	24,293	15,029	88,043
Europe.....	21,994	16,263	3,336	37,075	39,228	117,896
Miscellaneous.....	8,911	226	10,399	15,397	.....	34,933
Total.....	250,385	67,520	322,565	93,171	99,402	833,043

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	334,212	27,355	290,558	7,087	569,212
Canada.....	20,048	3,500	267,158	1,554	292,260
Other North America.....	17,849	2,710	18,415	.....	38,974
South America.....	214,597	31,113	245,842	26	491,578
Australasia.....	8,952	5,309	63,707	.....	77,968
Asia.....	53,014	3,034	15,097	215	71,360
Total.....	648,672	73,021	810,777	8,882	1,541,352

Principal Commodities

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

Commodity	December		Commodity	December	
	1937	1938		1937	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Asphalt and tar.....	28,888	3,320	Canned goods, various.....	58,517	92,142
Automobiles and parts.....	33,489	24,006	Coffee.....	10,628	14,297
Canned goods.....	8,236	12,226	Cold storage (food products) ¹¹	36,554	31,844
Cement.....	7,909	12,238	Copra.....	12,056	4,733
Chemicals.....	8,905	10,461	Cotton, raw.....	12,609	9,553
Cotton, raw.....	3,084	30,032	Flour.....	20,673	9,451
Iron and steel.....	132,678	128,168	Fruit, dried.....	23,922	29,860
Machinery.....	11,619	13,208	Fruit, fresh ¹²	33,665	35,588
Manufactured goods.....	19,593	14,984	Lumber.....	177,857	250,793
Metals, various.....	26,154	25,730	Metals, various.....	67,109	59,991
Oils, mineral.....	67,065	83,008	Molasses and syrups.....	1,236	18,724
Paper.....	29,755	33,004	Nitrates.....	132,536	102,780
Phosphates.....	22,672	27,887	Oats.....	3,867	15,786
Scrap metal.....	1,006	142,442	Oils, mineral.....	220,051	255,009
Sulphur.....	33,414	29,799	Oils, vegetable.....	15,218	17,471
Tinplate.....	16,882	30,561	Ores.....	159,295	184,814
Wood pulp.....	10,762	5,357	Paper.....	5,406	14,569
<i>Pacific to Atlantic</i>			Phosphates.....	.....	15,345
Barley.....	13,511	6,769	Sugar.....	81,699	57,592
Beans, edible, dry.....	13,381	11,595	Wheat.....	96,935	162,097
			Wood pulp.....	40,836	19,273

¹¹ Does not include fresh fruit.

¹² Does not include bananas.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of December 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			14	79
Agricultural implements	519	24	3,897	24
Alfalfa meal		703		1,010
Ammonium compounds	899		4,434	
Animal foods ¹³	51	18	51	18
Apparel, wearing (hats, shoes, clothing, etc.)	27		33	
Asbestos	929	413	2,509	447
Asphalt and tar	300	40	3,320	718
Automobiles (and autotrucks)	1,668	3	16,216	5
Automobile parts and accessories	1,241	24	7,790	24
Bags and bagging, textile	86		180	
Bamboo and products				159
Bananas				7,674
Barks, miscellaneous	32		32	754
Barley		42		6,769
Beans, edible, dry	30	5,959	30	11,595
Beer	109	13	283	13
Beverages, nonalcoholic			44	
Blood and tankage				25
Bones and bone meal			779	
Books and printed matter	36		38	
Borax		590	43	2,672
Bran and pollards		1		1,496
Bricks and tile	318		3,410	
Canned and preserved goods:				
Fish	332	12,226	840	20,066
Fruit	1,090	25,739	1,147	52,248
Meat	63	104	1,493	529
Milk	26	86	474	168
Soup	2,946	37	3,841	37
Vegetables	981	7,584	1,243	7,817
Miscellaneous and unclassified	2,649	10,399	3,188	11,277
Carbon black	107		1,082	
Celite		417		417
Cement	260		12,238	27
Chalk			148	
Charcoal	95	22	465	22
Chemicals ¹³	3,337	823	10,461	1,645
Clay, china and fire	203	159	372	333
Clay, filtering		171		171
Coal	704		1,522	
Cocoa and cacao beans	543	4	888	1,322
Coconuts and products ¹³	154	365	311	1,997
Coffee	126		5,934	14,297
Coke		35	7,748	35
Cold storage and refrigerated products:				
Dairy products	33	143	282	18,531
Eggs			1	115
Fish	40	23	80	1,205
Lard	188		321	10
Meats	16		482	11,680
Poultry		130	2	174
Vegetables				52
Other and unclassified	119		188	77
Confectionery	1,826		1,860	12
Copra				4,733
Corn			342	
Cotton, raw	20	568	30,032	9,553
Cresote	13		18	
Drugs and medicines	2,580	53	2,879	55
Dyes			80	1
Earthenware		93	126	93
Eggs, dried				25
Electrical apparatus and appliances	1,920	228	4,492	238
Enamelware and metalware	274	40	512	47
Explosives	49		553	
Extract, quebracho			3,968	
Fertilizers ¹³	65	561	701	926
Fish, salted or dry-cured			65	58
Fish meal		360		6,429
Floor coverings	1,482	827	1,724	847
Flour	20	7,719	887	9,451
Fruit, dried	10	13,396	82	29,860
Fruit, fresh ¹³	108	2,388	595	35,588
Furniture and household goods	375	36	403	36
General	11,744	3,975	47,927	12,903
Glass and glassware	1,491	381	4,736	1,201
Glue	8	34	30	47
Grains ¹³	6		33	55
Groceries	1,838	216	2,491	239

¹³ 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
Gums.....	32	38	32	124
Hair, all kinds.....	117	19	117	86
Hay.....			22	181
Hemp, unmanufactured.....			6	2,046
Honey.....		21		141
Hops.....			13	40
Horns and hoofs.....			45	20
Infusorial earth.....		683		1,123
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.).....	61,273	430	128,168	529
Ivory nuts.....	53		341	1,880
Jute, unmanufactured.....			15	
Lard substitute.....	349		349	
Lime.....			201	
Liquors.....	3,142	467	4,786	509
Lumber (including manufactured mill products).....	2,032	111,323	4,374	250,793
Machinery.....	1,918	915	13,208	1,064
Malt.....			561	
Manufactured goods ¹³	5,686	1,164	14,984	3,108
Marble and granite.....	21		138	
Matches.....	233	59	280	59
Metals:				
Antimony.....			26	
Copper.....	457	1,299	7,358	39,503
Gold and silver.....				25
Iron.....	2,250		10,448	296
Lead.....	31	368	235	15,250
Tin.....	312	41	1,966	1,403
Zinc.....	47		3,092	3,390
Other and unclassified.....	244	5	2,605	124
Milk, powdered.....		404	12	1,344
Molasses and syrups.....	563	15	696	18,724
Nitrate.....	2,700		3,357	102,780
Nuts, edible (including meats).....	13	249	36	370
Oats.....	304	104	313	15,786
Oils, mineral:				
Crude.....		10,126	10,682	79,389
Gas and fuel.....		31,347	24,343	70,151
Gasoline, benzine, and naphtha.....	34	20,451	17,090	87,027
Kerosene.....	3		386	17,565
Lubricating and greases.....	14,804	272	30,456	849
Other and unclassified.....	10	28	51	28
Oils, vegetable:				
Coconut.....			351	12,358
Cottonseed.....	215		226	
Linsced.....	475		566	
Olive.....	83		374	
Peanut.....			620	530
Rapeseed.....		32		42
Teaseed.....		28		368
Wood.....				2,887
Other and unclassified.....	132	1	988	1,286
Oil, fish.....	11	2,484	82	4,129
Oil, whale.....		274		274
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.).....			2,604	1,799
Oilseed cake and meal.....	4,911		5,066	7,668
Ores:				
Antimony.....				421
Copper.....			8,573	7,300
Gold and silver.....				792
Iron.....			44	151,400
Lead.....				5,121
Magnesite.....		146	514	610
Manganese.....		896		5,999
Tin.....			2	4,093
Zinc.....			140	7,130
Other and unclassified.....			499	1,948
Paints and varnishes.....	1,396	105	3,678	328
Paper and paper products ¹³	14,957	9,402	33,004	14,569
Peas, dry.....	637		637	
Peas, dry.....		461		573
Peatmoss.....	10		341	
Phosphates.....	440		27,887	15,345
Plaster.....	56		179	
Porcelainware.....	265	82	1,075	2,024
Potash.....	38	3,033	2,240	5,108
Pyrethrum flowers.....				236
Rags and waste.....	67	657	1,186	804
Railroad material.....	10		9,256	
Rice.....	1,572	225	1,817	1,460

¹³ 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.....	339	51	411	120
Rosin.....	1,128		3,223	4
Rubber:				
Manufactured.....	505	552	765	585
Raw.....	462		594	605
Scrap.....			673	83
Salt.....	238	374	2,765	424
Sand.....	702		2,024	
Scrap metal.....	61	213	142,442	1,695
Seeds (except oilseeds).....	95	310	340	512
Shells, oyster.....	364		439	215
Silk, raw.....		206		2,148
Skins and hides.....	7	1,407	600	6,783
Slag.....			1,700	
Slate.....	1,072		1,095	
Soaps and products.....	2,708	14	2,720	26
Soda and sodium compounds:				
Soda ash.....	212	35	402	510
Soda caustic.....	792		1,475	
Miscellaneous and unclassified.....	879	170	1,657	170
Soya beans.....	202		202	8,989
Spices.....	308	59	383	59
Sugar.....	150	16,918	618	57,592
Sulphur.....	14,330		29,799	10
Talc.....		95	36	104
Tallow.....		1,010	195	2,652
Tea.....	70	9	371	1,403
Textiles ¹⁴	3,206	31	7,006	1,675
Tinplate.....	13,901		30,561	
Tobacco and manufactures.....	325	63	7,004	361
Toilet preparations.....	103	9	105	61
Turpentine.....	136		197	
Vegetables, dry ¹³				69
Wall board.....	153		696	326
Wax, paraffin.....	362		1,469	124
Wheat.....	31	115	65	162,097
Wines.....	218	1,503	477	2,942
Wood pulp.....	1,008	14,916	5,357	19,273
Wool.....	35	1,326	46	7,295
Total, December 1938.....	210,093	334,212	833,043	1,541,352
Total, December 1937.....	184,489	276,325	674,223	1,371,947
Total, December 1936.....			538,784	999,719

¹³ Except as otherwise classified.¹⁴ Cotton, silk, wool, rayon goods.

Tanker Traffic

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

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	¹⁵ Panama Canal net tonnage	Tons of cargo	No. of ships	¹⁵ Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	1	4,935	9,268	6	35,076	61,924
East coast United States and:						
South America.....				1	7,361	
Philippine Islands.....				1	3,698	¹⁶ 6,685
East coast Canada and South America.....	1	793	60	1	4,359	7,483
Central America/Mexico intercoastal.....				1	3,643	
South America intercoastal.....	2	6,072	13,371			
East coast South America and Balboa.....				1	1,734	
West Indies and:						
United States.....	2	10,459		1	6,586	13,345
South America.....	2	11,252	12,081	1	5,134	9,964
Balboa.....	2	6,954	12,888			
Europe and:						
United States.....	5	31,388		7	41,663	76,708
South America.....	5	28,767		7	43,178	84,658
Hawaiian Islands.....				1	8,696	¹⁷ 17,100
Total.....	20	100,620	47,668	28	161,128	277,867

¹⁵ As measured under the present Panama Canal rules.¹⁶ Coconut oil.¹⁷ Molasses.

Comparison of Canal Traffic in December 1938, 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	18 98	342	453	1915	20 100	20 361	20 486
1915	19 5	8	12	1916	60	199	258
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	403	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	364	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	1938	460	2,338	2,282
1938	509	2,526	2,374	(22)	469	2,329	2,186

¹⁸ Canal opened August 15, 1914. ¹⁹ Canal closed part of month due to slides. ²⁰ Average for 10½ months of fiscal year ended June 30, 1915. ²¹ As measured under the rules in effect prior to March 1, 1938. ²² Average calendar year 1938. ²³ Estimated tonnage under Panama Canal rules in effect prior to March 1, 1938.

Terminal Activities

Ships repaired during the month of December 1938 numbered 55. Vessels released from drydock numbered 12. Fuel oil amounting to 270,593 barrels was delivered as bunkers to 132 commercial ships. Bunker coal amounting to 4,451 tons was delivered to 23 commercial ships. Sales of commissary supplies to ships aggregated \$47,019.15.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving.....	26,550	9,937	36,487
Local cargo shipped.....	2,198	333	2,531
Cargo received for transshipment.....	49,504	559	50,063
Cargo transhipped.....	48,139	316	48,455
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	2	3	5
Number of releases issued.....	39	8	47
Tons received.....	7	10	17
Tons withdrawn.....	45	6	51

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.....	574	3,395,351	2,009,743	539	3,074,993	1,843,831
Vessels entering port but not transiting Canal.....	55	356,888	192,123	9	43,138	28,016
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	126	709,910	418,009	120	758,439	437,646
<i>Ships clearing</i>						
All vessels, including those transiting Canal.....	574	3,415,743	2,021,601	540	3,082,930	1,847,375
Vessels clearing port but not transiting Canal.....	55	362,696	195,633	9	43,138	27,816
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	126	716,908	422,836	121	765,048	443,373

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, 1938, to midnight January 10, 1939. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Costa Rica, 96, 757	Portland, 350, 674	Sixaola, 1,679, 93	Patria, 528, 543	Musa, 696, 257
Ino, 445, 0	Yamakaze Maru, 386, 0	San Pedro, 1,142, 0	Aachen, 162, 365	Loebkatrine, 244, 202
Istmo, 807, 255	Mantilla, 4,770, 0	Maravi, 0, 164	Boskoop, 0, 163	Ana Maersk, 823, 247
San Diego, 131, 30	Ino, 619, 311	Clio, 495, 280½	Santa Barbara, 318, 159	Trois Ilets, 319, 123
Hagen, 12, 223	Breda, 2, 88	Custodian, 273, 0	Talamanca, 57, 1,050	Quirigua, 73, 1,373½
Acajutla, 0, 968	Pasajero, 1, 3	Gansfjord, 23, 317	Flandre, 100, 1,334	Santa Inez, 315, 31½
Durazzo, 0, 353	Santa Rita, 440, 48	Narenta, 0, 32	Guayaquil, 2,291, 0	Osnabruck, 139, 1,100
Talamanca, 78, 970	Knute Nelsen, 63, 22	Lroiga, 2½, 370	Ulua, 532, 151½	Cristobal, 5,166, 894
Canada, 27, 15	San Rafael, 553, 0	Kainata, 0, 509	San Jose, 180, 364	Nero, 600, 162
Cadmus, 15, 320	El Mirlo, 13,740, 0	Nero, 413, 287½	Cellini, 148, 86	Axel Johnson, 57, 16
Santa Barbara, 381½, 0	Istmo, 826, 299	Douro, 366, 207	Mantilla, 5,556, 0	Santa Marta, 552, 333
Santa Elena, 113, 85	Lochaven, 224, 33	Istmo, 1,198, 1,149	Virgilio, 98, 0	Wisconsin, 281, 1
Comedian, 177, 0	Simon Bolivar, 67, 60	Jamaica, 52, 120½	Ino, 614, 0	Patricia, 313, 584
Alabama, 508, 177	Nero, 612, 148	San Marcos, 850, 12	Guayaquil, 0, 519	Tuyama Maru, 163½, 39
Contessa, 285, 727	Trois Ilets, 354, 104	Oakland, 343, 0	Cerigo, 0, 736	Quito, 703½, 1,165
Damsterdijk, 145, 89	Quirigua, 11, 778	Orazio, 70, 152	Virgilio, 0, 28	Aconagua, 25, 0
Santos, 1, 345	Ojeda, 200, 0	Simon Bolivar, 0, 1,442½	Ino, 0, 476	San Simeon, 451, 0
Metapan, 14, 0	San Antonio, 294, 286	Tai Ping Yang, 1,147, 0	Kongo Maru, 340, 0	Oropesa, 181, 900
Sambu, 0, 42	John Cabot, 0, 1,095	Hardanger, 28, 612	Tokai Maru, 240, 156	Bodegraven, 359, 822
Platano, 927, 28	Santa Rosa, 64½, 122	Santa Paula, 143, 24½	Rhakotis, 368, 1,509	Clio, 451, 123
Caribia, 61, 35	West Ivis, 70, 0	Allister, 0, 32	Anubis, 271, 0	Douro, 198, 0
West Ivis, 856, 82	Santa Inez, 336, 0	Muntersland, 0, 334	Veragua, 2, 207	Deroche, 2,905, 0
Veragua, 176, 562	Salvador, 683, 552	Margaret Lykes, 261, 728	Pereira, 0, 1,037	Donou, 82, 33½
John Cabot, 381, 0	Caribia, 34½, 714	Losada, 39, 0	Virgilio, 0, 28	Lystfjord, 4, 263
Colombie, 81, 503	Musa, 831, 101	Istmo, 816, 359	Phrygia, 0, 332	Port Halifax, 53, 159
Hermionthis, 132, 170	Mestun, 27, 0	Huld Maersk, 4, 0	Anhalt, 4, 20	Chiriqui, 80, 58
Canada, 32, 44	Leme, 204, 58	Santa Elena, 231, 0	Contessa, 765, 893	Isar, 123½, 142½
Quito, 0, 721	Itauri, 103, 111	Santa Maria, 358, 7	Nordstjernan, 141, 70	Cordillera, 122, 33
Vermont, 901, 0	Alkmaar, 1,124, 628	Cefalu, 335, 630	Nuevo Panama, 0, 20	Socrates, 170, 732½
Bogota, 1,160, 168	Santa Lucia, 165, 34	Laurits Swenson, 36, 0	Sambu, 0, 51	Santa Rosa, 121, 39
Buenaventura, 1,731, 368	Chiriqui, 175, 539	Pereira, 634, 0	Michigan, 1,103, 0	Commissaire Ramel, 0, 16
Reina del Pacifico, 93, 4	Kiyokawa Maru, 722, 11	Santa Clara, 615, 91	Bullmouth, 10,489, 0	Istmo, 823, 0
Tigre, 10, 0	Nuernberg, 127, 863	Schwaben, 54, 24½	Nuevo Panama, 235, 0	John Cabot, 717, 0
Tolosa, 1,073, 157	Bogota, 36, 813	Platano, 856, 86	Durazzo, 1,005, 640	Saarland, 78, 0
American Press, 1,855, 1,251	R. L. Hustler, 2, 0	Lochgoin, 191, 19	Acajutla, 808, 669½	Contessa, 338, 0
Orduna, 351, 326	Cerigo, 1,295, 0	San Mateo, 654, 633	Nagara Maru, 122, 0	Delftdyk, 276, 0

BALBOA

San Diego, 191, 222	Santa Rita, 73, 1	Atlantic, 10,588, 0	Capac, 423, 0	Wisconsin, 1,664, 0
City of Norfolk, 341, 0	City of Baltimore, 336, 0	West Cactus, 1,711, 0	Cathwood, 9,685, 0	Florida Maru, 109, 0
Santa Barbara, 0, 1	Santa Inez, 0, 6	Santa Lucia, 139, 14	Santa Maria, 1, 0	City of Los Angeles, 371, 0
Acajutla, 0, 2	Ojeda, 2,324, 0	Tai Ping Yang, 257, 0	Anna Maersk, 170, 0	Santa Rita, 7, 0
Niro, 3, 0	Chilean Reefer, 149, 35	City of Newport News, 153, 0	Rangitata, 28, 0	Acajutla, 0, 1
West Ivis, 843, 0	Geisha, 703, 0	Santa Clara, 10, 0	Montatan, 311, 2	
Santos, 203, 40	Turrialba, 0, 1	Santa Barbara, 160, 4	Rakuyo Maru, 32, 0	
City of Los Angeles, 21, 4	Lebec, 9,590, 0	La Placencia, 10,978, 0	Mosfrut, 17, 0	
Portland, 192, 3	Cerigo, 2, 0	Port Hunter, 8, 0	St. Mihail, 375, 76	
			Santa Inez, 143, 3	

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

Passengers

During December 1938, ocean-ship passengers disembarking at Cristobal numbered 1,871, embarking 1,830; at Balboa, 556 disembarking and 479 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 3,228, from the Pacific to the Atlantic, 2,427. Aircraft numbering 76 entered Cristobal, 280 passengers disembarking; clearances were 74, with 308 passengers embarking. At Balboa entries of aircraft numbered 52, 144 passengers disembarking; clearances were 52, with 136 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 December 10, 1938, to midnight January 10, 1939

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Cachalot ⁷	11	23	Amer.	U. S. Navy.....	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Helga.....	10	11	Dan.	J. Lauritzen.....	New York, N. Y.	Valparaiso, Chile.	General.....	1,665
West Notus.....	10	11	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	Steel, gen.....	1,332
Napier Star.....	10	11	Brit.	Blue Star Line.....	London, England	Wellington, N. Z.	General.....	3,870
Tacoma Star.....	10	11	Brit.	Blue Star Line.....	Tyne, England..	Vancouver, B. C.	Ballast.....	
Tampa ²	10	11	Amer.	Roosevelt S. S. Co.	Newp't News, Va.	Fremantle, Aust.	General.....	4,143
Panaman.....	10	11	Amer.	Amer.-Hawaiian Line.	Boston, Mass....	Seattle, Wash.	General.....	2,907
Akiura Maru ²	11	11	Jap.	Mitsubishi Shoji K.	Pt. Arthur, Tex.	Niihama, Japan..	Coke, cotton	7,576
Wearpool ²	11	11	Brit.	Sir R. Roper & Co.	London, England	Portland, Oreg.	Ballast.....	
Suva.....	11	11	Brit.	W. R. Carpenter & Co.	Rotterdam, Neth.	Suva, Fiji Is.	Cement, gen.	166
Clio ²	10	11	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.....	92
Duala ²	11	11	Nor.	East Asiatic Co....	Goth'burg, Swed.	Portland, Oreg.	Ballast.....	
Allister.....	11	11	Brit.	Texas Oil Co.....	Pt. Limon, C. R.	Puntarenas, C. R.	(¹³)	1,505
Lena Luckenbach.	11	12	Amer.	Luckenbach Line....	Tampa, Fla.....	Seattle, Wash.	General.....	3,668
Villager ²	11	12	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.....	
Ino ²	11	12	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	Ballast.....	
San Diego.....	11	13	Fr.	French Line.....	Antwerp, Belgium	Vancouver, B. C.	General.....	1,507
Istmo.....	11	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.....	693
Horace Luckenbach.	12	12	Amer.	Luckenbach Line....	New Orleans, La.	Seattle, Wash.	General.....	4,944
Clumberhall.....	12	13	Brit.	Seaboard Ship. Co.	Hartlepool, Eng.	Brit. Columbia.	Ballast.....	
Onomea.....	12	13	Amer.	Matson Nav. Co....	Baltimore, Md.	Honolulu, T. H.	General.....	4,318
Modavia ²	13	13	Brit.	Donaldson Line....	Glasgow, Scotland	Vancouver, B. C.	General.....	521
Kunikawa Maru ²	13	13	Jap.	Kawasaki K. Kaisha	New York, N. Y.	Kobe, Japan.....	Gen., cotton.	7,931
Tainui.....	13	14	Brit.	Shaw, Savill & Albion	London, England	Auckland, N. Z.	General.....	3,820
Hellen.....	13	13	Nor.	Chile Nit. Sales Corp.	Rotterdam, Neth.	Iquique, Chile..	Ballast.....	
Canada ²	13	13	Dau.	East Asiatic Co....	Copenhagen, Den	Vancouver, B. C.	General.....	283
Karmt.....	13	13	Nor.	Chile Nit. Sales Corp.	Savannah, Ga..	Tocopilla, Chile.	Ballast.....	
Maria Stathatos.	13	14	Greek.	Statbats & Co.....	Houston, Tex....	Yawata, Japan..	Scrap steel.	6,336
Porto Bello ³	13	13	Pan.	A. Tagaropolos....	Cristobal, C. Z.	Real, R. P.....	General.....	3
Alabama.....	13	14	Fr.	French Line.....	Havre, France...	Callao, Peru....	General.....	1,739
Acajutla.....	6	14	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General.....	968
Metapan.....	13	14	Amer.	United Fruit Co....	Boston, Mass....	Pto. Arm'les, R. P.	Ballast.....	
Washingtonian.	13	14	Amer.	Amer.-Hawaiian Line.	Wilming'ton, N. C.	Seattle, Wash.	Steel, gen.....	2,942
Somerville ²	13	14	Nor.	A. F. Klaveness & Co.	New York, N. Y.	Japan.....	Scrap iron.	6,963
California Express ²	14	14	Nor.	Fruit Express Line..	Glasgow, Scotland	Seattle, Wash.	Ballast.....	
Pacific Enterprise ²	14	14	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General.....	435
Grainton.....	14	14	Brit.	Empire Ship. Co....	Barry, England..	Vancouver, B. C.	Ballast.....	
Tuscaloosa City.	14	14	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Seattle, Wash.	(¹⁴)	7,945
Eidsvoll ²	14	14	Nor.	Kawasaki K. Kaisha	Houston, Tex....	Yokohama, Japan	General.....	7,398
Salmon ²	2		Amer.	U. S. Navy.....	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Mountpark.....	13	14	Brit.	Denholm Line.....	Tampa, Fla.....	Yokohama, Japan	Phosphate..	7,851
Frumenton.....	14	14	Brit.	Anglo-Can. S. S. Co.	Antwerp, Belgium	Vancouver, B. C.	Ballast.....	
Chilore.....	14	14	Amer.	Ore S. S. Corp.....	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.....	
Pomona.....	14	14	Amer.	Pac. Coast Dir. Line.	Norfolk, Va.....	Seattle, Wash.	General.....	3,088
Ulm ²	14	14	Ger.	North German Lloyd.	Bremer'h'en, Ger.	Seattle, Wash.	General.....	292
Durazzo.....	11	14	Ger.	Hamburg-Amer. Line.	Rio Hacha, Col.	Guayaquil, Ecua.	General.....	228
Norbris ¹	14	14	Pan.	Standard Oil of N. J.	Aruba, N. W. I.	Ant'fagasta, Chile	Fuel oil.....	12,081
Alaskan.....	14	15	Amer.	Amer.-Hawaiian Line.	Boston, Mass....	Portland, Oreg.	General.....	2,903
Sambu ²	13	14	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R. P.	General.....	60
Sona ²	13		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Real ²	13		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Taira ²	13		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Pierre ²	13		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
La Union ²	13		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Col. Riche ⁵			Amer.	U. S. Army.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
Santos ²	13	15	Swed.	Johnson Line.....	Toppila, Finland	Valparaiso, Chile	General.....	2,335
San Cipriano ¹	15	15	Brit.	Eagle Oil & Ship. Co.	Jarrow, England.	Los Angeles, Cal.	Ballast.....	
Vihran ²	15	15	Nor.	Knutsen Line.....	S'hampton, Eng.	Vancouver, B. C.	Ballast.....	
Caduceus.....	15	15	Brit.	Chile Nit. Sales Corp.	Barry, England..	Chile.....	Ballast.....	
J-02 ⁵			Amer.	U. S. Army.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
Hermionthis ²	15	16	Ger.	Hamburg-Amer. Line.	Hamburg, Ger....	Valparaiso, Chile.	General.....	4,485
Chr. Knudsen ²	15	16	Nor.	Canadian Transp. Co.	Botwood, Nfld..	Tacoma, Wash.	Copper conc.	7,800
Kurdistan.....	15	16	Brit.	Common Bros.....	Barry, England..	S. Francisco, Cal.	Ballast.....	
Waipawa ²	15	16	Brit.	Shaw, Savill & Albion	Glasgow, Scotland	Auckland, N. Z.	General.....	10,124
Canada ²	15	16	Swed.	Johnson Line.....	Goth'burg, Swed.	Vancouver, B. C.	General.....	3,064
Antiope.....	15	16	Brit.	Andrew Weir & Co.	Barry, England..	Yawata, Japan..	Scrap iron.	7,548
Tigre ²	15	16	Nor.	Fred Olsen & Co.	Oslo, Norway....	Vancouver, B. C.	General.....	126
Malantic.....	16	17	Amer.	Keckhefer Cont. Co.	Philadelphia, Pa.	Seattle, Wash.	(¹⁵)	4,777
John Cabot.....	15		Brit.	Grace Line.....	Cristobal, C. Z.	Balboa, C. Z.	Drydocking.	
Vernmont.....	15	17	Amer.	Calif.-Eastern Line..	New York, N. Y.	Tacoma, Wash.	General.....	1,396
J. L. Luckenbach.	17	17	Amer.	Luckenbach Line....	Boston, Mass....	Seattle, Wash.	Gen., autos.	3,449
City of Los Angeles.	17	17	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.....	2,629
Portland ²	16	18	Ger.	Hamburg-Amer. Line.	Hamburg, Ger....	Vancouver, B. C.	General.....	5,243

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁵ Launch. ⁷ Submarine. ¹³ Gasoline, asphalt.
¹⁴ Steel products, general. ¹⁵ Paper containers.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Orduna	16	17	Brit	Pacific Steam Nav.Co.	Liverpool, Eng.	Valparaiso, Chile.	Gen., sugar.	1,661
Quito ²	10	17	Ger	North German Lloyd.	Cristobal, C. Z.	Callao, Peru.	General.	353
Missourian ²	17	18	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Taeoma, Wash.	General.	2,853
Ino ²	16	18	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.	283
Ahto ⁶	10	20	Eston	Ahto Walter	Kingston, Jam.	Galapagos Island.	Ballast.	
Yamazuki Maru ²	17	18	Jap.	Yamashita K. Kaisha	Buenos Aires, Arg.	Osaka, Japan.	General.	6,085
Eskbank ²	17	18	Brit.	Inver Transp. & Trad.	Baltimore, Md.	Shanghai, China	General.	5,682
Justitia	18	18	Brit.	Bank Line	Savannah, Ga.	Yawata, Japan	Scrap.	8,311
Santa Rita ²	17	18	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile.	Gen., expl.	1,789
Minerva ²	18	18	Nor.	Chile Nit. Sales Corp.	Wilmington, N.C.	Toconilla, Chile.	Ballast.	
San Rafael	17	19	Amer.	Quaker Line	New York, N. Y.	Seattle, Wash.	General.	2,619
Lochaven ²	18	19	Brit.	Royal Mail Lines	Rotterdam, Neth.	Vancouver, B. C.	General.	2,153
Loch Don	18	19	Brit.	Seaboard Ship. Co.	Barry, England	Vancouver, B. C.	Ballast.	
Steel Traveler	19	19	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Saigon, China.	Steel	5,584
Ojeda ¹	19		Venez.	Curacaoese Sch. Mij.	Curacao, N. W. I.	Balboa, C. Z.	Ballast.	
Imperial ^{1 2}	19	19	Brit	Imperial Oil Co.	St. Johns, N. B.	Vancouver, B. C.	Pet. prod.	60
Nero ²	18	19	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	136
Istmo	18	19	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	530
Mallard ¹⁰			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Col. Riehe ⁵			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
El Mirlo ¹	17	20	Brit	C. T. Bowring & Co.	Ellesmere, Eng.	Cabo Blanco, Peru.	Ballast.	
Asakasan Maru ²	20	20	Jap	Mitsui & Co.	Philadelphia, Pa.	Moji, Japan	(14)	7,011
Javanese Prince ²	20	20	Brit.	Prince Line, Ltd	Boston, Mass.	Saigon, China	General.	4,316
Felix Taussig	20	20	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	(15)	6,211
Grete Maersk ²	20	20	Dan.	A. P. Moller Co.	Boston, Mass.	Cebu, P. I.	General.	6,994
Pacific Pioneer ²	20	20	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General.	298
Geisha ²	20	21	Nor.	Seand. So. Pac. Line	Oslo, Norway	San Antonio, Chile	General.	3,500
West Ira	20	20	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Vancouver, B. C.	General.	3,686
Victoria ³	20	20	Pan.	A. Tagaropulos	Cristobal, C. Z.	Real, R. P.	General.	3
Woodcock ¹⁰			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Turrialba	20	21	Amer.	United Fruit Co.	Baltimore, Md.	Pto. Armales, R.P.	Ballast.	
Trois Ilets	18	21	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General.	100
Nuevo Panama ²	21	21	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Panama, R. P.	Ballast.	
Point Lobos	21	21	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	General.	4,710
Steel Exporter	21	21	Amer.	Isthmian S. S. Lines	New York, N. Y.	Portland, Oreg.	(16)	3,405
Elsa Essberger ²	21	21	Ger	Anglo-Can. S. S. Co.	Hamburg, Ger.	Vancouver, B. C.	Ballast.	
Gen. Wm. M. Graham ¹¹			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Sambu ²	20		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Taira ²	20		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Sona ²	20		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Real ²	30	21	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General.	2
Yorkmar	22	22	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	6,882
Point Estero	22	22	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	General.	5,504
Lemo ²	21	22	Ital	Italia Line	Trieste, Italy	Vancouver, B. C.	General.	2,119
Bonneville ²	22	22	Nor.	Klavness & Co.	Scarsport, Mo.	Yawata, Japan	(17)	7,578
Thorstrand ²	22	22	Nor.	Fred Olsen Line	Rotterdam, Neth.	Portland, Oreg.	Ballast.	
Pennsylvania	22	22	Amer.	Weyerhaeuser S.S. Co.	Newark, N. J.	Seattle, Wash.	General.	1,634
Ohioan	22	22	Amer.	Amer.-Hawaiian Line.	New York, N. Y.	S. Francisco, Cal.	General.	2,646
Jutland	22	22	Brit.	Seaboard Ship. Co.	Barry, England.	Brit. Columbia	Ballast.	
Canadian Reefer ²	22	22	Dan.	J. Lauritzen	Hamburg, Ger.	Seattle, Wash.	Ballast.	
John Cabot	19	22	Brit.	Grace Line	Cristobal, C. Z.	Champico, Guat.	General.	1,106
Petrolite ^{1 2}	22	22	Brit.	Imperial Oil Co.	Barranquilla, Col.	B'ventura, Col.	(18)	1,393
Nathan ³	22	22	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	20	
Santa Lucia	22	23	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General.	3,125
Stonpool	22	23	Brit.	Canadian Transp. Co.	Baltimore, Md.	Brit. Columbia	Ballast.	
Kinross ²	22	23	Brit.	Seaboard Ship. Co.	London, England	Pac. coast, N. A.	Ballast.	
Rimutaka	23	24	Brit.	N. Z. Shipping Co.	London, England	Wellington, N. Z.	General.	5,259
Atlantic ^{1 2}	23	25	Nor.	Beacon Oil Co.	Aruha, N. W. I.	Talara, Peru	(19)	10,588
Alkmaar	22	23	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General.	1,497
Hurunui	23	23	Brit.	N. Z. Shipping Co.	New York, N. Y.	Melbourne, Aust.	General.	5,643
City of San Francisco	24	24	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.	2,654
Nurnberg ²	22	24	Ger	North German Lloyd.	Hamburg, Ger.	Valparaiso, Chile.	General.	5,502
Temple Yard	23	24	Brit.	Seaboard Ship. Co.	Grangem th, Eng.	Vancouver, B. C.	Ballast.	
Lillian Luckenbach	24	24	Amer.	Luekenbach Line	Boston, Mass.	Taeoma, Wash.	General.	3,962
Maravi	23	24	Pan.	United Fruit Co.	Boston, Mass.	Puntarenas, C. R.	General.	1,717
Sessa	24	24	Dan.	Wessel, Duval & Co.	New York, N. Y.	Taleahuano, Chile	General.	1,815
Bethore	24	24	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.	
Milwaukee ⁵			Amer.	G. Andy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
No. 1 ⁵			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Loriga ²	24	25	Brit.	Pacific Steam Nav.Co.	Hull, England.	Valparaiso, Chile	Gen. coal.	2,683
Tropic Star ²	24	25	Nor.	Chile Nit. Sales Corp.	Savannah, Ga.	Chile	Ballast.	
Absaroka	24	25	Amer.	McCormick S. S. Co.	Norfolk, Va.	Seattle, Wash.	General.	2,240
Californian ²	24	25	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Taeoma, Wash.	General.	3,580

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Launch. ⁵ Yacht. ¹⁰ Mine sweeper. ¹¹ Mine planter.
¹³ For bananas and return to Cristobal. ¹⁴ Machinery, metals, gasoline. ¹⁵ General, sand, nitrate. ¹⁶ Steel, automobiles, general. ¹⁷ Scrap iron, steel. ¹⁸ Gasoline, kerosene. ¹⁹ Fuel and Diesel oil.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Tomislav	25	25	J-Slav.	Chile Nit. Sales Corp.	Flushing, Neth.	Iquique, Chile	Ballast	
Mobile City	25	25	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	4,840
Trondanger	25	25	Nor.	Intercean S. S. Corp.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Clio	23	25	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.	251
Oregonian	25	25	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Tacoma, Wash.	General.	3,036
Nero	24	25	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	270
San Marcos	25	26	Amer.	Quaker Line	New York, N. Y.	Seattle, Wash.	General.	3,047
Jantje Fritzen	25	26	Ger.	Comyn & Sons	Emden, Germany	Portland, Oreg.	Ballast	
Tudor Star	26	26	Brit.	Blue Star Line	Liverpool, Eng.	Vancouver, B. C.	Ballast	
Gregalia	26	26	Brit.	Donaldson Line	Glasgow, Scot.	Vancouver, B. C.	General.	546
F. J. Luckenbach	26	26	Amer.	Luckenbach Line	New Orleans, La.	Tacoma, Wash.	General.	4,105
Polaris	22	28	Amer.	Edward Lowe	New York, N. Y.	S. Francisco, Cal.	Ballast	
President de Vogue, ^{1 2}	26	26	Nor.	Prod. Chimiques.	Pt. de Boue, F. Y.	Talara, Peru.	Ballast	
Amagisan Maru	26	26	Jap.	Mitsui Bussan Kaisha	Baltimore, Md.	Osaka, Japan.	Gas., steel.	7,411
Dalblair	26	26	Brit.	Simpson Spence, Young	Cardiff, Wales.	S. Francisco, Cal.	Ballast	
Istmo	24	27	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	640
Bogota	22	26	Ger.	North German Lloyd.	Pto. Colombia.	Guayaquil, Ecua.	(15)	568
H. D. Collier	26	27	Amer.	Standard Oil of Calif.	Hamburg, Ger.	Los Angeles, Cal.	Ballast	
Amicus	26	26	Brit.	Chile Nit. Sales Corp.	Cardiff, Wales.	Chile	Ballast	
Mansepool	26	27	Brit.	Seaboard Ship. Co.	Baltimore, Md.	Vancouver, B. C.	Ballast	
Hononu	26	27	Amer.	Matson Nav. Co.	Mobile, Ala.	Honolulu, T. H.	Tinplate, gen.	3,772
Procyon	26	27	Swed.	Standard Oil of N. J.	London, England	Talara, Peru	Ballast	
Kimikawa Maru	27	27	Jap.	Kawasaki K. Kaisha.	New York, N. Y.	Yokohama, Japan	Copper, cot.	8,537
Svealand	27	27	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Mathew Luckenbach.	27	27	Amer.	Luckenbach Line	New Orleans, La.	Seattle, Wash.	General.	4,952
Demeterton	27	27	Brit.	Anglo-Can. S. S. Co.	Tyne, England.	Vancouver, B. C.	Ballast	
Solvestan	27	27	Brit.	Hindustan S. S. Co.	Barry, England.	West coast, N. A.	Ballast	
Zacapa	27	28	Amer.	United Fruit Co.	Baltimore, Md.	Pto. Arm'les, R. P.	Ballast	
King James	27	27	Brit.	Anglo-Can. S. S. Co.	S. Shields, Eng.	Los Angeles, Cal.	Ballast	
Raby Castle	25	27	Brit.	Barber S. S. Line	Boca Grande, Fla.	Yokohama, Japan	Phosphate	6,550
Hartington	27	27	Brit.	Harrison S. S. Co.	Newcastle, Eng.	Vancouver, B. C.	Ballast	
Alioth	27	27	Neth.	Empire Ship. Co.	London, England	Vancouver, B. C.	Ballast	
Hardanger	26	27	Nor.	Westfal, Larsen & Co.	Rosario, Arg.	Vancouver, B. C.	Coffee, gen.	4,264
Munsterland	27	27	Ger.	Hamburg-Amer. Line.	New Orleans, La.	Yokohama, Japan	Cotton, oil.	8,906
Alphard	27	27	Neth.	Empire Ship. Co.	London, England	Vancouver, B. C.	Ballast	
Anhalt	27	28	Ger.	North German Lloyd.	New Orleans, La.	Auckland, N. Z.	General.	8,151
Porto Bello	27	27	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General.	3
Florence C. Robinson, ¹³	20	30	Amer.	Wm. Albert Robinson	Gloucester, Mass.	Papeete, Tahiti.	Ballast	
Sea Deer			Amer.	B. Patchett	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Salvador	20	28	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General.	552
Induna	27	28	Brit.	Canadian Transp. Co.	Barry, England.	Brit. Columbia	Ballast	
Sangstad	27	28	Nor.	Fern Line	Pt. Tampa, Fla.	Moji, Japan.	Phos., cotton	7,126
Canadian Challenger.	28	28	Brit.	Mont.-Aust.-N. Z. Line	Halifax, N. S.	Sydney, Aust.	(16)	3,281
Ontariolite	28	28	Brit.	Imperial Oil Co.	Halifax, N. S.	Antof'gasta, Chile	Fuel oil.	11,978
Sanyo Maru	28	28	Jap.	Osaka Syosen Kaisha.	Antwerp, Belgium	Dairen, China.	(17)	8,033
Belita	28	28	Nor.	Sigurd Honningsvaag.	Bahia Blanca, Arg.	Los Angeles, Cal.	Ballast	
Navarino	28	28	Brit.	Canadian Transp. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Grestaton	28	28	Brit.	S. S. Operating Co.	Newp't News, Va.	Yavaros, Mexico.	Ballast	
City of Manchester.	27	31	Brit.	Ellerman & Bucknall.	New York, N. Y.	Sydney, Aust. lia.	General.	4,487
Kentuckian	28	28	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	2,277
Langletarn	28	28	Brit.	Anglo-Can. S. S. Co.	Barry, England.	Vancouver, B. C.	Ballast	
Trois Ilets	27	28	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	Ballast	
Schwaben	28	29	Ger.	North German Lloyd.	Hamburg, Ger.	Vancouver, B. C.	General.	7,751
Nemea	28	29	Greek	Mitsui Bussan Kaisha	New York, N. Y.	Kobe, Japan.	Scrap iron.	7,346
Pirre	27	27	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real	27	27	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	(18)	
Oscar Tybring	20	29	Nor.	Robert Robertsen.	Falmouth, Eng.	U. S. Pacific.	Ballast	
Sona	27	27	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tuira	27	27	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
La Union	27	27	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Losmar	28	29	Amer.	Calmar Line	Philadelphia, Pa.	Seattle, Wash.	Steel, gen.	5,645
Nuevo Panama	27	29	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	650
Bodo	28	29	Nor.	Erling Saunes	New York, N. Y.	Yokohama, Japan	Scrap iron.	2,634
Puriri	28	29	Brit.	AnchorShip. & Fdy. Co.	Leith, Scotland	Nelson, N. Z.	Basic slag.	450
Ringwood	28	29	Nor.	Dant & Russell	Rotterdam, Neth.	Coos Bay, Oreg.	Ballast	
City of Bedford	29	29	Brit.	Ellerman & Bucknall.	Baltimore, Md.	Dairen, China.	Steel, gen.	5,578
Kano Maru	29	29	Jap.	Kokusai Kisen Kaisha	New York, N. Y.	Japan	Cotton, cop'r	8,026
Haxby	29	29	Brit.	Norris Grain Co.	Barry, England.	Columbia River.	Ballast	
New Westminster City.	29	29	Brit.	Sir Reardon Smith.	Norfolk, Va.	Osaka, Japan.	(19)	8,776
Santa Barbara	29	30	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General.	2,249
Sambu	27	29	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R. P.	General.	62

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Yacht. ¹³ Auxiliary brigantine. ¹⁵ Sailboat. ¹⁶ Gasoline kerosene, etc. ¹⁷ Automobiles, newsprint. ¹⁸ Automobile parts, general. ¹⁹ Towing yacht Oscar Tybring. ²⁰ Scrap iron, copper.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
City of Norfolk...	30	30	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.....	1,637
Harpoon.....	29	30	Amer.	Shepard S. S. Co.....	Albany, N. Y.	Seattle, Wash.	General.....	3,764
Jane Christenson.	30	30	Amer.	Arrow Line.....	Baltimore, Md.	Seattle, Wash.	General.....	2,514
Beatus.....	30	30	Brit.	Andrew Weir & Co.	Freeport, Tex.	Dunedin, N. Z.	Sulphur.....	5,500
Shenandoah ¹	30	30	Amer.	The Texas Co.	Pt. Arthur, Tex.	Los Angeles, Cal.	Lub. oil.....	9,268
Lewis Luckenbach	30	30	Amer.	Luckenbach Line.....	Providence, R. I.	Seattle, Wash.	General.....	3,235
Copiapo ²	29	30	Chile.	Sud Amer. de Vapores	Nakskov, Den.	Valparaiso, Chile.	General.....	2,100
L. A. Christensen ²	30	30	Nor.	Canadian-Gulf Line.	Mobile, Ala.	Yokohama, Japan	(14)	7,500
Winona.....	30	30	Amer.	Pac. Coast Dir. Line.	New York, N. Y.	Tacoma, Wash.	General.....	3,300
San Jose.....	30	31	Fr.	French Line.....	Antwerp, Belgium	Vancouver, B. C.	General.....	2,053
Herman Frasch...	30	31	Amer.	Union Sulphur Co.	Galveston, Tex.	Bellingham, Wash.	Sulphur.....	6,500
Fortuna ³	31	31	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Washington Ex- press. ²	30	31	Nor.	Fruit Express Line.	Glasgow, Scotland	Seattle, Wash.	Ballast.....	
Heimvard ²	31	31	Nor.	Mitsui Line.....	New York, N. Y.	Yawata, Japan.	Serap iron.....	8,017
Iowan.....	31	31	Amer.	Amer.-Hawaiian Line.	N. London, Conn.	Seattle, Wash.	General.....	2,914
Segundo ²	31	31	Nor.	S. Holter Sorensen.	Philadelphia, Pa.	Japan.....	(15)	7,261
Ruahine.....	31	1	Brit.	N. Z. Shipping Co.	Middlesb'gh, Eng.	Auckland, N. Z.	Slag, steel.....	2,780
Virgilio ²	31	1	Ital.	Soc. Italia.....	Genoa, Italy.....	Valparaiso, Chile.	General.....	703
Port Hunter.....	1	1	Brit.	Port Line, Ltd.	London, England	Wellington, N. Z.	General.....	7,808
Anderby.....	1	1	Brit.	Ropner Ship. Co.	Cardiff, Wales.....	West coast, N. A.	Ballast.....	
Cerizo.....	22	1	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecu.	General.....	448
Kingswood.....	1	1	Brit.	Anglo-Can. S. S. Co.	Hull, England.....	Vancouver, B. C.	Ballast.....	
Ino ²	31	1	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General.....	421
Jeff Davis ²	31	7	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Shanghai, China.	Cement, gen.	4,430
Canal Trinidad.	1	2	Chile.	Chilean R. R. Co.	Copenhagen, Den.	Valparaiso, Chile.	Ballast.....	
Sans Pour ⁶	1	4	Brit.	Duke of Sutherland.	Miami, Fla.....	Galapagos Is.	Ballast.....	
San Demetrio ²	1	2	Brit.	Eagle Oil & Ship. Co.	Greenock, Eng.	S. Francisco, Cal.	Ballast.....	
Loosdrecht ¹	1	2	Neth.	Wirtschaftliche For- schungs Gessell'ft.	Ellesmere Port, England.....	Los Angeles, Cal.	Ballast.....	
O. A. Knudsen ¹	1	2	Nor.	Anglo-Saxon Pet. Co.	London, England	S. Francisco, Cal.	Ballast.....	
Sofie Bakke ²	1	2	Nor.	Knut Knutsen, O.A.S.	Glasgow, Scotland	Vancouver, B. C.	Ballast.....	
Santos Maru ²	2	3	Jap.	Osaka Syosen Kaisya.	Montevideo, Uru.	Kobe, Japan.....	Bone, gen.....	4,696
Hamakua.....	2	2	Amer.	Matson Nav. Co.	Baltimore, Md.	Hilo, T. H.	Gen., nitrate	3,571
Cullpool.....	2	2	Brit.	R. Ropner & Sons.	Cardiff, Wales.....	U.S. Pac. ports	Ballast.....	
Port Richepanse ²	2	2	Fr.	French Line.....	Dieppe, France.	Vancouver, B. C.	Ballast.....	
Viva.....	2	2	Nor.	Sorensen & Sonner	Texas City, Tex.	Osaka, Japan.....	Pig iron.....	6,368
Bonnington Court ²	2	7	Brit.	Haldin & Phillips, Ltd.	Hull, England.....	Seattle, Wash.	General.....	6,790
Rhinkotis ²	1	2	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General.....	
Hindpool.....	2	3	Brit.	R. Ropner & Sons.	N. Shields, Eng.	Portland, Oreg.	Ballast.....	
Dagfred ²	2	3	Nor.	Continental Grain Co.	London, England	Portland, Oreg.	Ballast.....	
Elizabeth Bakke ²	3	3	Nor.	Knut Knutsen, O.A.S.	Manchester, Eng.	Vancouver, B. C.	Ballast.....	
American Robin.	3	3	Amer.	McCormick S. S. Co.	Philadelphia, Pa.	Tacoma, Wash.	General.....	3,141
Henry D. Whiton	3	3	Amer.	Freeport Sulphur Co.	Pt. Sulphur, La.	Tacoma, Wash.	Sulphur.....	6,604
Metapan.....	3	4	Amer.	United Fruit Co.	Baltimore, Md.	Pto. Arm'les, R. P.	Ballast.....	
Marore.....	3	3	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.....	
Hulda Maersk ²	3	3	Dan.	Maersk Line.....	Savannah, Ga.	Iloilo, P. I.	General.....	5,977
Perera.....	27	4	Pan.	Grace Line.....	Cristobal, C. Z.	Champ'ico, Guat.	General.....	1,037
Australian Reefer ²	3	4	Dan.	J. Lauritzen.....	Flushing, Neth.	Guayaquil, Ecu.	Ballast.....	
Gen. Wm. M. Graham, ¹¹	3	4	Amer.	U. S. Army.....	Cristobal, C. Z.	P. Miguel, C. Z.	Ballast.....	
Porto Bello ³	3	3	Pan.	A. Tagaropoulos.....	Cristobal, C. Z.	Real, R. P.	General.....	3
Col. Riehe ³	3	3	Amer.	U. S. Army.....	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
Laurits Swenson ²	3	4	Nor.	Fred Olsen Line.	Oslo, Norway.....	Vancouver, B. C.	General.....	2,393
Istmo.....	2	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.....	965
Ingerske.....	4	4	Nor.	Chile Nit. Sales Corp.	Norfolk, Va.	Toepicilla, Chile.	Ballast.....	
Traranger ²	4	4	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.....	
Athelempress ¹	4	4	Brit.	United Molasses Co.	Liverpool, Eng.	Los Angeles, Cal.	Ballast.....	
Trevarrack.....	4	4	Brit.	Hain S. S. Co.	Cardiff, Wales.....	West coast, U.S.A.	Ballast.....	
Nathan ²	4	4	Pan.	E. J. Hooper.....	Cristobal, C. Z.	Gatun, C. Z. ¹³	Ballast.....	20
Real ²	3	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Tuira ²	3	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Sona ²	3	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Pirre ²	3	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Sambu ²	3	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
St. Mihiel ⁸	4	6	Amer.	U. S. Army.....	New York, N. Y.	S. Francisco, Cal.	Supplies.....	1,398
Snapper ⁷	3	5	Amer.	U. S. Navy.....	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Michigan.....	3	5	Amer.	States S. S. Co.	Jacksonville, Fla.	Tacoma, Wash.	General.....	2,249
Lochkatrine ²	4	5	Brit.	Royal Mail Lines.	Rotterdam, Neth.	Vancouver, B. C.	General.....	1,104
Thistleglen.....	4	5	Brit.	Andrew Wier & Co.	Albany, N. Y.	Kobe, Japan.....	Serap iron.....	7,572
Otterpool.....	4	5	Brit.	Pool Shipping Co.	S. Shields, Eng.	Portland, Oreg.	Ballast.....	
Kansan.....	5	5	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General.....	4,093
Dalhanna.....	5	5	Brit.	Anglo-Can. S. S. Co.	London, England	U.S. North Pac.	Ballast.....	
Kyusyu Maru ²	5	5	Jap.	Osaka Syosen Kaisya.	Boston, Mass.	Yokohama, Japan	Steel, gen.	5,727
Frankfurt.....	5	5	Ger.	North German Lloyd.	New Orleans, La.	Brisbane, Aust.	General.....	7,200
Nuevo Panama ²	3	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Naruto Maru ²	5	5	Jap.	Nippon Yusen Kaisha.	Boston, Mass.	Kobe, Japan.....	Gasol'e, gen.	8,280
Kent.....	5	5	Brit.	Fed. Steam Nav. Co.	Falmouth, Eng.	Bluff, N. Z.	General.....	9,635

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Launch. ⁵ Yacht. ⁶ Submarine. ⁷ Transport. ⁸ Mine planter. ⁹ For bananas and return to Cristobal. ¹⁰ Pig iron, steel billets. ¹¹ Machinery, scrap steel.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Port Darwin	5 5	6	Brit.	Port Line	Liverpool, Eng.	Brisbane, Aust.	General.	5,198
Lebore	5 5	6	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.	
Anten	5 5	6	Swed.	Transatlantic S. S. Co.	Tyne, England	Los Angeles, Cal.	Ballast.	
L-53 ¹			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Col. Riche ⁵			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Rip ⁵			Pan.	George Price	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Night Wind ⁵			Pan.	G. W. Harrington	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Elizabeth Kellogg ¹	5 5	6	Amer.	Kellogg S. S. Corp.	Huamaco, P. R.	Stockton, Calif.	Molasses.	7,232
S-44 ⁷			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Cachalot ⁷			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Northleigh	5 6		Brit.	Anglo-Can. S. S. Co.	Hull, England	Pac. coast port	Ballast.	
S-43 ⁷			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
S-45 ⁷			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Tamaroa	6 7		Brit.	Shaw, Savill & Albion	London, England	Wellington, N. Z.	General.	4,662
S-42 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.	
Salamaua ²	6 6		Brit.	Canadian Transp. Co.	London, England	Vancouver, B. C.	Cement, gen.	900
Seal ⁷			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Salmon ⁷			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Ruspool	5 6		Brit.	R. Ropner & Co.	Barry, England	U. S. west coast	Ballast.	
Santa Inez ²	5 7		Amer.	Grace Line	New York, N. Y.	Chanaral, Chile	General.	1,725
Axel Johnson ²	6 6		Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B. C.	Gen., paper.	3,861
Stentor ²	6 6		Brit.	Blue Funnel Line	Liverpool, Eng.	Shanghai, China	General.	3,902
Osnabruck ²	5 6		Ger.	North German Lloyd	Hamburg, Ger.	Corral, Chile	General.	5,726
Point Vincente	6 6		Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	General.	5,034
Mallard ¹⁰			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Frank ³	6 7		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
City of Baltimore	7 7		Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General.	1,532
President Polk	7 7		Amer.	Amer. Resident Lines	New York, N. Y.	Round the world.	Gen., autos.	7,490
Jhelum	6 7		Brit.	James Nourse, Ltd.	Liverpool, Eng.	Brit. Columbia	Ballast.	
Pacific	6 7		Amer.	Weyerhaeuser S. S. Co.	New York, N. Y.	Seattle, Wash.	Steel, gen.	1,701
Marna	6 7		Dan.	New Coast S. S. Co.	New York, N. Y.	Talcahuano, Chile	General.	2,130
Wisconsin	6 8		Fr.	French Line	Havre, France	Vancouver, B. C.	General.	1,803
Sidney M. Hauptman	7 7		Amer.	McCormick S. S. Co.	Norfolk, Va.	Seattle, Wash.	General.	2,036
Nero ²	5 7		Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	147
Dorothy Luckenbach	7 7		Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General.	2,834
Daylight ^{1 2}	7 7		Amer.	Socony Vac. Oil Co.	Boston, Mass.	Los Angeles, Cal.	Ballast.	
Pennsylvanian	7 8		Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General.	1,551
Sterjnerborg ²	8 8		Dan.	C. K. Hansen	Boston, Mass.	Los Angeles, Cal.	Ballast.	
Terukawa Maru ²	8 8		Jap.	Kawasaki K. Kaisha	New Orleans, La.	Japan	(13)	6,388
Virginian	8 8		Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General.	2,553
Preradovic	8 8		J-Slav.	Chile Nit. Sales Corp.	Vlaard'gen, Neth.	Chile	Ballast.	
Clio ^{1 2}	7 8		Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General.	112
Alkaid ²	8 8		Neth.	Anglo-Can. S. S. Co.	Hull, England	Vancouver, B. C.	Ballast.	
Trois Ilets	4 8		Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General.	138
Kenmar	8 8		Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	General.	5,219
Tweedbank ²	8 8		Brit.	Bank Line, Ltd.	Savannah, Ga.	Los Angeles, Cal.	Ballast.	
San Simcon	7 8		Amer.	Quaker S. S. Line	Philadelphia, Pa.	Tacoma, Wash.	General.	2,684
Bodegraven	7 8		Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Valparaiso, Chile	General.	2,675
Oropesa	7 8		Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile	General.	2,940
S. C. T. Dodd ¹	8 9		Amer.	Standard Oil of Calif.	Norfolk, Va.	S. Francisco, Cal.	Ballast.	
Kaikoura ²	8 9		Brit.	Mont.-Aust. N. Z. Line	Halifax, N. S.	Adelaide, Aus'tia	General.	4,785
Lista	8 9		Nor.	J. L. Mowinckels Co.	Fowey, England	Powell Riv., B. C.	China clay	2,600
Bronnoy ²	8 9		Nor.	Anglo-Can. S. S. Co.	Antwerp, Belgium	Vancouver, B. C.	General.	2,034
J. J. Coney ¹	9 9		Amer.	Hellene S. S. Co.	Texas City, Tex.	Los Angeles, Cal.	Ballast.	
Celtic Star	8 9		Brit.	Blue Star Line	Tyne, England	Vancouver, B. C.	Ballast.	
Yamaura Maru	9 9		Jap.	Yamashita K. Kaisha	Buenos Aires, Arg.	Yokohama, Japan	(14)	5,061
Cragpool	9 9		Brit.	R. Ropner & Co.	Norfolk, Va.	Portland, Oreg.	Ballast.	
Sveadrött ^{1 2}	9 10		Swed.	Stockhoms Red. Svea	Texas City, Tex.	Dairen, China	Kerosene	13,496
Isar	9 9		Ger.	North German Lloyd	Hamburg, Ger.	Vancouver, B. C.	General.	3,190
Marga	9 10		Nor.	N. Atl. & Gulf S. S. Co.	Curacao, N. W. I.	Corinto, Nic.	Ballast.	
Quito ²	6 9		Ger.	North German Lloyd	Cristobal, C. Z.	Talara, Peru	General.	621
Commissaire Ramel	9 10		Fr.	Messageries Marit'es.	Marseille, Fr.	Noumea, N. Caled	General.	3,290
Acajutla	3 10		Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General.	500
Nyborn ²	9 10		Nor.	Knutson Line	Cardiff, Wales	Vancouver, B. C.	Ballast.	
Malaya ²	9 10		Dan.	East Asiatic Co.	N. Shields, Eng.	Los Angeles, Cal.	Ballast.	
Steel Age	9 10		Amer.	Ishtman S. S. Lines.	Portland, Me.	Seattle, Wash.	(15)	7,591
Tai Ping ²	9 10		Nor.	Barber Line	New York, N. Y.	Manila, P. I.	General.	6,884
Moveria ²	10 10		Brit.	Donaldson Brothers	Glasgow, Scot.	Vancouver, B. C.	General.	889
Mount Olympus	10 10		Greek	Iwai & Co.	New York, N. Y.	Yokohama, Japan	Scrap iron.	9,257
Dombay	9 10		Nor.	Ropner Shipping Co.	Tyne, England	Portland, Oreg.	Ballast.	
Mim ²	10 10		Nor.	Rygar Hvistendahl	Mobile, Ala.	Yokohama, Japan	(16)	8,007
Anglo Saxon	10 10		Brit.	Canadian Transp. Co.	Barry, England	Vancouver, B. C.	Ballast.	
Katrina Luckenbach	10 10		Amer.	Luckenbach Line	New Orleans, La.	Seattle, Wash.	General.	6,168
L-53 ¹			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Porto Bello ³	10 10		Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General.	3

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁵ Launch. ⁷ Submarine. ¹⁰ Mine sweeper. ¹³ Gasoline, crude oil.
¹⁴ Gasoline, cotton, etc. ¹⁵ Automobiles, steel, general. ¹⁶ Scrap iron, coke.

PACIFIC TO ATLANTIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
President Herrenschmidt ^{1 2}	10	11	Nor	Socommar, Paris	Talara, Peru	Antwerp, Belgium	Crude oil	13,081
Minnesotan	10	11	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	5,054
Portmar	10	11	Amer.	Calmar Line	Los Angeles, Cal.	Baltimore, Md.	Lumber	7,640
Ino ²	11	12	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	404
Istmo	11	12	Pan	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	745
Hagen	12	12	Ger	Hamburg-Amer. Line.	San Antonio, Chile	Hamburg, Ger.	General	8,071
San Vincente	11	11	Amer	Pacific-Atl. S. S. Co.	Portland, Oreg.	Philadelphia, Pa.	(15)	7,781
Dalcross	11	12	Brit	United S't'm Nav. Co.	Makatea, S. Pac.	Landskrona, Swed	Phosphate	7,870
W. H. Berg ¹	12	12	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Hamburg, Ger.	Gasoline	10,692
Ophelie ¹	12	12	Fr.	Cie Auxiliaire de Nav.	Lobitos, Peru	Donges, France	Crude oil	8,329
Aymeric	11	13	Brit.	Brit. Phosphate Com.	Ocean Island	Gaddviken, Swed	Phosphate	7,450
Camden ¹	11	12	Amer.	Shell Oil Co.	Los Angeles, Cal.	Sewaren, N. J.	Gasoline	8,890
City of Norfolk	12	13	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	(16)	4,032
Santa Barbara ²	13	13	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	Coffee, gen.	5,271
Damsterdijk ²	12	14	Neth.	N. Pacific Coast Line.	Vancouver, B. C.	Rotterdam, Neth.	General	9,616
Fortuna ²	13	14	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	62
Eridan ²	13	13	Fr	Messageries Marit'es.	Noumea, N. Caled	Marseille, Fr	Copra, gen.	4,717
Margrethe Bakke ²	13	13	Nor	Knutsen Line	Vancouver, B. C.	Belfast, Ireland	General	7,249
China Arrow ¹	13	13	Amer.	Socony-Vac. Oil Co.	Los Angeles, Cal.	Providence, R. I.	Gasoline	11,561
Baron Renfrew	13	13	Brit.	H. Hogarth & Sons.	Suva, Fiji Is.	United Kingdom	Sugar	6,700
Winkleigh	13	13	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Manchester, Eng.	Lum., wheat	8,500
Sambu ²	13	14	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	41
Real ²	13	14	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	41
Sona ²	13	14	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	30
Pirre ²	13	14	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	36
Tuira ²	12	14	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	50
La Union ²	13	14	Pan	A. A. Valdes	Bayano, R. P.	Cristobal, C. Z.	Bananas	27
Mokihana	13	14	Amer.	Matson Nav. Co.	Kaanapali, T. H.	New Orleans, La.	(17)	3,563
Alabaman	14	14	Amer.	Amer.-Hawaiian Line.	Los Angeles, Cal.	Boston, Mass.	Lumber, gen.	6,356
Valparaiso ²	14	14	Swed.	Johnson Line	Valparaiso, Chile	Stockholm, Swed.	(18)	6,162
Nurtureton	14	15	Brit.	Canada Shipping Co.	Vancouver, B. C.	London, England	Wheat, oats	9,590
El Oso ¹	14	15	Brit.	C. T. Bowring & Co.	Cabo Bl'co, Peru	Ellesmere, Eng.	Oil, grade C	9,874
Nitro	14	16	Amer.	U. S. Navy	San Diego, Cal.	Norfolk, Va.	General	637
West Ivis	14	17	Amer.	McCormick S. S. Co.	Vancouver, B. C.	Buenos Aires, Arg.	Lumber, gen.	6,482
Firmore	14	15	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,500
Washington	15	15	Amer.	Weyerhaeuser S. S. Co.	Portland, Oreg.	Norfolk, Va.	(19)	8,152
John Cabot	15	16	Brit.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General	362
Bogota ²	15	17	Ger	North German Lloyd	Guayaquil, Ecu.	Pto. Colombia	Coffee, wood	1,112
Marore	16	16	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Reina del Pacifico ²	15	16	Brit.	Pacific Steam Nav. Co.	Talcahuano, Chile	Liverpool, Eng.	Copper, gen.	4,581
Lady Glanely ²	15	16	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	London, England	Grain, lum.	9,632
Bahrein ¹	16	16	Pan	Standard Oil of Calif.	S. Francisco, Cal.	Havre, France	Gasoline	8,544
Recina	16	16	J-Slav	Continental Grain Co.	Portland, Oreg.	Cobb, Ireland ¹⁴	Wheat	7,954
Yamakaze Maru ²	16	17	Jap	Yamashita K. Kaisha	Tsingtao, China	Buenos Aires, Arg.	Oils, general	2,494
K. I. Luckenbach	16	16	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,397
Steel Inventor	16	16	Amer.	Isthmian S. S. Lines.	Vancouver, B. C.	Avonmouth, Eng.	(20)	7,835
Ino ²	16	18	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Hides, coffee	563
Seal ⁷	16	16	U. S. Navy	High seas		Coco Solo, C. Z.		
Goodleigh	16	16	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	London, England	(21)	9,300
Cachalot ⁷	17	17	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Salmon ⁷	17	17	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Breda	16	17	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	8,421
Metapan	17	17	Amer.	United Fruit Co.	Baltimore, Md.	Baltimore, Md.	Bananas	1,354
Charles Christenson	17	17	Amer.	Arrow Line	Longview, Wash.	New York, N. Y.	Lum., paper	6,810
Knut Nelson ²	17	18	Nor	Fred Olsen & Co.	Vancouver, B. C.	Oslo, Norway	General	7,852
Porto Bello ²	17	17	Pan	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(22)	7
Point Ancha	17	18	Amer.	Swayne & Hoyt	Seattle, Wash.	New Orleans, La.	General	6,255
Istmo	17	19	Pan	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	749
Trois Ilets	17	21	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee, wax	321
Johilla	18	18	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Sharpness, Eng.	(23)	6,669
Montanian	18	18	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	5,210
Ardayngorm	18	18	Brit.	Canada Ship. Co.	Vancouver, B. C.	Hull, England	Wheat	7,700
Nero ²	18	19	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides	557
Hawny	18	19	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	New York, N. Y.	(24)	8,059
Moldanger ²	18	19	Nor	Interocean S. S. Corp.	Vancouver, B. C.	Havre, France	Grain, gen.	8,400
Lchore	19	19	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,300
San Antonio	18	21	Fr	French Line	Vancouver, B. C.	Havre, France	Wheat, lum.	6,737
San Bernardino	18	19	Amer.	States S. S. Co.	Astoria, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,570
Wildwood	19	19	Amer.	Puget Sd. Asso. Mills	Pt. Angeles, Wash.	New York, N. Y.	Lumber	7,000
Lowther Castle	19	19	Brit.	Anglo-Can. S. S. Co.	Comox, B. C.	London-Antwerp	Lumber, gen.	8,550
John Cabot ¹³	16	22	Brit.	Grace Line	Balboa, C. Z.	Cristobal, C. Z.	Ballast	4,635
City of Baltimore	18	20	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General	3,767
Santa Inez ²	19	20	Amer.	Grace Line	Chanaral, Chile	New York, N. Y.	General	3,767
Mayan	19	21	Pan	United Fruit Co.	Puntarenas, C.R.	Jacksonville, Fla	Ballast	

¹ Tanker. ² Motor ship.⁷ Submarine.¹³ Free of tolls.¹⁴ For orders.¹⁵ Lumber, pulp, general.¹⁶ Canned fruits, general.¹⁷ Canned pineapples, general.¹⁸ Copper, cotton, nitrate.¹⁹ Lumber, oil, general.²⁰ Wheat, lumber, canned goods.²¹ Lumber, metal, grain.²² Lumber, plantains.²³ Lumber, wheat, general.²⁴ Wood pulp, lumber.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Nuevo Panama ²	20	21	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	84
Herman F. Whiton	19	20	Amer.	Dutton Lumber Corp.	Everett, Wash.	Providence, R. I.	Lumber	7,100
San Cirilo ^{1 2}	20	20	Brit.	Eagle Oil & Ship. Co.	Los Angeles, Cal.	Lizard, Eng. ¹³	Gasoline	11,393
Pacific President ²	20	20	Brit.	Furness, Withy & Co.	Vancouver, B. C.	London, England	General	7,662
Ojeda ¹	19	20	Venez.	Curacaoische Scheep- vart Mij.	Balboa, C. Z.	Maracaibo, Ven.	Ballast	
Salvador	20	28	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	General	714
Chilean Reefer ²	20	20	Dan.	J. Lauritzen	Vancouver, B. C.	Haifa, Palestine	Fruit, gen.	1,724
Tuira ²	20	21	Pan.	Jose Laffargue	Darien, R. P.	Cristobal, C. Z.	Bananas	52
Sambu ²	20	21	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	45
Real ²	20	21	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	38
Sona ²	20	21	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	29
Carolinian	20	21	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	5,536
Mostun ²	20	21	Nor.	Neptune Ship. Co.	Portland, Oreg.	London, England	Fruit	1,350
Mallard ⁴	21		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Rossington Court.	21	21	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	London, England	(¹⁴)	10,000
Rotorua	21	22	Brit.	N. Z. Shipping Co.	Lyttelton, N. Z.	Glasgow, Scotland	Frozen, gen.	7,619
Nordanger ^{1 2}	20	21	Nor.	Shell Oil Co.	Los Angeles, Cal.	Curacao, N. W. I.	Pet. distillate	13,345
Frida	21	21	Dan.	Wessel, Duval & Co.	Valparaiso, Chile.	New York, N. Y.	Nit., coffee	2,625
Oobasan Maru ²	21	21	Jap.	Mitsui Bussan Kaisha	Manila, P. I.	New York, N. Y.	General	6,288
Arawa	21	22	Brit.	Shaw, Savill & Albion	Napier, N. Z.	S'ampton, Eng.	Frozen, gen.	5,374
Charles Racine ^{1 2}	20	22	Nor.	Whaling Co., Kosmos	Tocopilla, Chile.	Mercaux, U. S. A.	Ballast	
Itairi	21	22	Ger.	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger.	General	8,187
Anglo Indian.	21	22	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	Liverpool, Eng.	Lum., wheat	9,052
Steel Voyager.	21	22	Amer.	Isthmian S. S. Lines.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	8,621
Kiyokawa Maru ²	21	23	Jap.	Kawasaki K. Kaisha	Skisin, Korea.	New York, N. Y.	Silk, gen.	3,888
Walter A. Lucken- bach.	22	22	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	General	8,041
Gracia	22	22	Brit.	Donaldson Line.	Vancouver, B. C.	London, England	Fruit, gen.	6,212
Cerigo	22	1	Ger.	Hamburg-Amer. Line.	Pisco, Peru.	Cristobal, C. Z.	Coffee, gen.	1,187
Clio ²	22	25	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	(¹⁵)	447
San Pedro	22	24	Fr.	French Line	Valparaiso, Chile.	Havre, France	General	8,319
Umberleigh	22	23	Brit.	Seaboard S. Ship. Co.	Pt. Alberni, B. C.	London, England	Wheat, lum.	8,600
Idlesleigh	23	23	Brit.	Seaboard S. S. Co.	Pt. Alberni, B. C.	London, England	Lum., wheat	9,170
Kamata ²	23	25	Brit.	M. A. N. Z. Line.	Lyttelton, N. Z.	Halifax, N. S.	General	2,110
Nero ²	23	25	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides	376
Asaka Maru ²	23	24	Jap.	Nippon Yusen Kaisha	Yokohama, Japan	Hamburg, Ger.	(¹⁶)	6,396
Edgar F. Lucken- bach.	24	24	Amer.	Luckenbach-Gulf Co.	Portland, Oreg.	Tampa, Fla.	Lumber, gen.	5,500
Ionie Star	23	24	Brit.	Blue Star Line	N. Westm'r, B. C.	Newcastle, Eng.	Frozen, gen.	3,399
Turrialba	24	24	Amer.	United Fruit Co.	Pto. Arm'les, R. P.	Baltimore, Md.	Bananas	1,284
Ima ^{1 2}	24	24	Nor.	Universal Oil of Lond.	Los Angeles, Cal.	United Kingdom	Gas, fuel oil	9,686
S. C. T. Dodd ¹	23	24	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	New York, N. Y.	Fuel oil	9,249
Narenta	23	25	Brit.	Royal Mail Lines	N. Westm'r, B. C.	Rotterdam, Neth.	(¹⁷)	5,502
Coloradan	24	24	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	8,605
Istmo	24	26	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	751
Victory ²	24	24	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	Plantains	6
Orazio ²	24	26	Ital.	Italian Line	Valparaiso, Chile.	Genoa, Italy	General	1,676
Oakland ²	24	26	Ger.	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	General	7,958
Oregon Express ²	24	25	Nor.	Fruit Express Line	N. Westm'r, B. C.	Glasgow, Scot.	Fresh fruit	1,950
Embassage	24	25	Brit.	Anglo-Can. S. S. Co.	Victoria, B. C.	Antwerp, Belgium	Lumber, con.	8,500
Emergency Aid.	24	25	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	7,941
Hegira	25	25	Amer.	Weyerhaeuser S. S. Co.	Everett, Wash.	Norfolk, Va.	Lumber, gen.	8,654
Borgestad ²	25	25	Nor.	Canadian Transp. Co.	Vancouver, B. C.	Hull, England	(¹⁸)	6,380
Edda	25	25	Ital.	Norddeutscher Lloyd	Portland, Oreg.	Havre, France	(¹⁹)	4,165
Roda ²	25	26	Ger.	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger.	General	7,290
Silverpalm ²	25	27	Brit.	S. & J. Thompson & Co.	Vancouver, B. C.	South Africa	General	7,564
Blythmoor	25	26	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	Avonmouth, Eng.	Lum., grain	9,500
Tai Ping Yang ²	25	27	Nor.	Barber Line	Dahikan, P. I.	New York, N. Y.	General	7,460
Eugenie S. Em- bericos.	26	27	Greek	Anglo-Can. S. S. Co.	Victoria, B. C.	Hull, England	Lum., grain	7,965
Allister	26	27	Brit.	Texas Oil Co.	Puntarenas, C. R.	Pt. Arthur, Tex.	Ballast	
Steeleore	27	27	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,000
City of Newport News.	26	27	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	4,923
Trois Ilets	26	28	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	349
Nuevo Panama ²	27	29	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	84
Nordstjernan ²	26	28	Swed.	Johnson Line	Vancouver, B. C.	Stockholm, Swed.	General	6,039
Pereira	27	3	Pan.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	Coffee, gen.	610
Sambu ²	27	29	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	49
Real ²	27	28	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	37
Sona ²	27	28	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	34
Tuira ²	27	28	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	61
Pirre ²	27	28	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	34
La Union ²	27	28	Pan.	A. A. Valdes	Bayano, R. P.	Cristobal, C. Z.	Bananas	26
San Mateo	27	29	Fr.	French Line	Vancouver, B. C.	Havre, France	Lead, gen.	6,954
San Clemente	27	28	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	5,774
W. S. Rheem ¹	27	28	Amer.	Foreign Tankship Corp	El Segundo, Cal.	Hamburg, Ger.	Diesel oil	13,552

¹ Tanker. ² Motor ship. ⁴ Tug. ¹³ For orders.¹⁴ Wheat, lumber, fish meal. ¹⁵ Coffee, tagua, balsa.¹⁶ Canned goods, general. ¹⁷ Fruit, metal, general. ¹⁸ Wheat, lead, general. ¹⁹ Fruit, lumber, logs.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Lerwick	27	28	Brit.	Chile Nit. Sales Corp.	Iquique, Chile	New Orleans, La.	Sodic nitrate	8,875
Boskoop	27	29	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General.	8,040
Santa Clara	28	28	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General.	5,561
Aachen	28	29	Ger.	North German Lloyd	Valparaiso, Chile	Hamburg, Ger.	General.	7,794
Lochgail ²	28	29	Brit.	N. Pac. Coast Line	Victoria, B. C.	Rotterdam, Neth.	Frozen, gen.	9,936
Charles F. Meyer ¹	28	28	Brit.	Shell Oil Co.	Los Angeles, Cal.	Rotterdam, Neth.	Fuel oil.	14,311
Flomar	28	28	Amer.	Calmar Line	Seattle, Wash.	Baltimore, Md.	Lumber.	7,739
K. R. Kingsbury ¹	28	28	Amer.	Shell Oil Co.	Los Angeles, Cal.	Fall River, Mass.	Fuel oil.	10,962
Patria	28	29	Ger.	Hamburg-Amer. Line	Valparaiso, Chile	Hamburg, Ger.	General.	5,071
Woodeock ⁵	28	29	Amer.	Capt. P. E. Howard	Balboa, C. Z.	Cristobal, C. Z.	Ballast	(14)
El Mirlo ¹	28	29	Brit.	C. T. Bowring & Co.	Cabo Blanco, Peru	Ellesmere, Eng.	(14)	11,424
Sage Brush	29	29	Amer.	Shepard S. S. Co.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	7,906
Ward ²	29	29	Amer.	Amer. Pioneer Line	Whyalla, Wash.	Baltimore, Md.	General.	6,298
Heranger ²	29	30	Nor.	Interocean S. S. Co.	Vancouver, B. C.	London, England	Grain, gen.	7,507
Edward Luckenbach	29	29	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,272
Milwaukee ⁵	29		Amer.	G. Andy	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Emma Bakke ²	29	30	Nor.	Knutsen Line	Valparaiso, Chile	Stockholm, Swed.	General.	7,182
Svithiod ^{1 2}	29	30	Pan.	Stand. Franc. des Pet.	Los Angeles, Cal.	Sete, France	Av. gasoline	8,530
George M. Embiricos	29	30	Greek.	S. G. Embiricos	Vancouver, B. C.	London, England	Wheat, lum.	9,200
Santore	30	30	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,300
Celina ²	30	31	Ital.	Italian Line	Vancouver, B. C.	Trieste, Italy.	(15)	7,355
Porto Bello ²	30	30	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	Plantains	7
Amerikaland ²	30	31	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,600
Dusseldorf ²	30	31	Ger.	North German Lloyd	Talcahuano, Chile	Hamburg, Ger.	General.	6,093
Zacapa	31	31	Amer.	United Fruit Co.	Pto. Armiles, R. P.	Charleston, S. C.	Bananas	1,121
Ino ²	31	1	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(16)	558
Aldington Court ²	31	31	Brit.	Canadian Transp. Co.	Vancouver, B. C.	London, England	Wheat, lum.	8,290
Tokai Maru ²	31	1	Jap.	Osaka Syosen Kaisya	Dairen, China	Hamburg, Ger.	General.	5,352
Kongo Maru ²	31	1	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	New York, N. Y.	(17)	9,360
Anubis ²	31	2	Ger.	Hamburg-Amer. Line	Cebu, P. I.	New Orleans, La.	(18)	5,538
Chickasaw City	31	1	Amer.	Isthmian S. S. Lines	Pt. Angeles, Wash.	Baltimore, Md.	(19)	7,299
Eastern Guide	1	1	Amer.	Prudential S. S. Co.	Portland, Oreg.	New York, N. Y.	Lumber.	5,225
Texan	1	1	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	9,875
Fordsdale	1	2	Brit.	Shaw, Savill & Albion	Nelson, N. Z.	Newcastle, Eng.	Frozen, gen.	7,100
Kim ²	1	2	Rus.	Soviet Government	Vladivost'k, Rus.	Boston, Mass.	Crab meat	2,258
San Angelo	1	2	Amer.	Quaker Line	Los Angeles, Cal.	Everglades, Fla.	Lumber, gen.	6,075
Nebraskan	1	2	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	9,210
Glittre ^{1 2}	2	2	Nor.	Standard Oil of N. J.	Talara, Peru	Antwerp, Belgium	Crude oil	8,877
Honolulu	2	2	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Baltimore, Md.	General.	6,324
Alamar	2	2	Amer.	Calmar S. S. Corp.	Los Angeles, Cal.	Baltimore, Md.	Lumber.	8,068
Istmo	2	4	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	732
Ferndale ²	2	2	Nor.	Fearnley & Eger	Dairen, China	Hamburg, Ger.	Soy beans.	7,200
Losada ²	2	3	Brit.	Pacific Steam Nav. Co.	Valparaiso, Chile	Hull, England	(20)	8,454
Sire	2	2	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile	Wilmington, N.C.	Nit. of soda	8,950
Nicolaou Zagafia	2	2	Greek.	Seaboard Ship. Co.	Vancouver, B. C.	London, England	Wheat, lum.	11,191
Chilore	3	3	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,600
Pacific Exporter ²	2	3	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General.	9,025
British Columbia Express ²	2	3	Nor.	Fruit Express Line	Seattle, Wash.	Glasgow, Scot.	Fresh fruit.	2,421
Durazzo	3	7	Ger.	Hapag Lloyd	Guayaquil, Ecu.	Cristobal, C. Z.	Coffee, gen.	897
Larebank ²	2	3	Brit.	Burns-Phillips S. Sea Co.	Paagoumene, N.C.	Dunkerque, Fr.	(21)	8,424
Nuevo Panama ²	3	4	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	213
Point Chico	3	3	Amer.	Gulf-Pacific Line	N. West' er, B. C.	Panama City, Fla.	General.	5,950
Achelles ¹²	31	3	Brit.	British Government	Auckland, N. Z.	Portsmouth, Eng.		
Fresno Star	3	3	Brit.	Blue Star Line	N. West' er, B. C.	Newcastle, Eng.	Frozen, gen.	6,435
Lt. Col. H. C. Schumm ⁴	3		Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Real ²	2	4	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Sambu ²	3	4	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	51
Tuira ²	3	4	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	50
Pirre ²	3	4	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	37
Sona ²	3	4	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	29
Fortuna ²	3	4	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	67
Acajutla	3	10	Brit.	Pacific Steam Nav. Co.	Champico, Guat.	Cristobal, C. Z.	Coffee, gen.	807
Primerio ²	3	3	Nor.	Continental Grain Co.	Portland, Oreg.	Cobb, Ireland	Wheat	7,256
President de Vague ^{1 2}	3	3	Nor.	Raffineries de Berre	Talara, Peru	Pt. de Bouee, Fr.	Crude oil	13,686
Rangitata ²	3	3	Brit.	N. Z. Shipping Co.	Auckland, N. Z.	London, England	Frozen, gen.	6,877
Santa Maria ²	3	4	Amer.	Grace Line	Valparaiso, Chile	New York, N. Y.	General.	4,463
Anna Maersk ²	3	5	Dan.	A. P. Moller	Manila, P. I.	Baltimore, Md.	Wood oil, gen.	7,036
Yearby	3	4	Brit.	Ropner Shipping Co.	Vancouver, B. C.	London, England	Lum., wheat	9,500
Trois Ilets	3	8	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	290
Laila	3	4	Dan.	Wessel, Duval & Co.	San Antonio, Chile	New York, N. Y.	(22)	2,656
Dakotan	4	4	Amer.	Amer.-Hawaiian Line	S. Francisco, Cal.	Boston, Mass.	General.	5,329

¹ Tanker. ² Motor ship. ⁴ Tug. ⁵ Launch. ¹² Cruiser. ¹³ For orders. ¹⁴ Fuel oil, casinghead gasoline.

¹⁵ Wheat, lumber, fruits. ¹⁶ Coffee, ivory nuts, cacao. ¹⁷ Coconut oil, general. ¹⁸ Copra, hemp, rope, general.

¹⁹ Lumber, pulp, general. ²⁰ Copper, cotton, sugar, tin. ²¹ Copra, chrome ore. ²² Nitrate, copper, quillay.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Nagara Maru ² ...	4	4	Jap.	Nippon Yusen Kaisha	Hongkong, China	New York, N. Y.	(14)	3,870
Heffron	4	4	Amer.	Weyerhaeuser S.S. Co.	Seattle, Wash.	Newark, N. J.	Lumber, gen.	9,731
Fort Royal ² ...	4	4	Fr.	Armements Maritimes	Seattle, Wash.	Havre, France	(15)	1,664
Grayburn	4	5	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Mobile, Ala.	Nitrate	11,900
Trojan Star	4	5	Brit.	Blue Star Line	Napier, N. Z.	London, England	Frozen, gen.	6,719
Nero ² ...	4	7	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides	556
Mosfruit ² ...	5	5	Nor.	M. Mosvold Farsund	Seattle, Wash.	Rotterdam, Neth.	Fresh fruit	1,803
Hollywood	5	5	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	6,910
Monkleigh	5	8	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Liverpool, Eng.	(16)	9,175
Karmit ² ...	5	5	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	New Orleans, La.	Nitrate	8,883
Ewa	5	6	Amer.	Matson Nav. Co.	Honolulu, T. H.	Baltimore, Md.	Canned pines	8,441
Oakmar	5	6	Amer.	Calmar Line	Seattle, Wash.	Baltimore, Md.	Lum., copper	6,668
Eleni	5	6	Greek.	Canadian Transp. Co.	Oreg. & Br. Colum.	Hull, England	Wheat, lum.	8,400
Quito ² ...	6	9	Ger.	North German Lloyd	Callao, Peru.	Cristobal, C. Z.	(17)	637
Julia Luckenbach	6	6	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	(18)	8,464
Axios	6	6	Greek.	Chile Nit. Sales Corp.	Taltal, Chile	Azores ¹³	Nitrate	7,800
Tuyama Maru	6	7	Jap.	Nippon Yusen Kaisha	Manila, P. I.	New Orleans, La.	Sugar, gen.	6,418
Erria ² ...	6	7	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den.	(19)	6,662
Aconagua ² ...	7	7	Chile	Chilean S. S. Co.	Valparaiso, Chile	Hamburg, Ger.	General	5,077
Cleo ² ...	7	8	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	(20)	410
Metapan	7	7	Amer.	United Fruit Co.	Pto. Armles, R. P.	Baltimore, Md.	Bananas	1,338
Arimama Maru ² ...	7	7	Jap.	Mitsui Senpaku	Cebu, P. I.	Baltimore, Md.	General	7,794
Porto Bello ² ...	7	7	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(21)	8
Maravi	7	8	Pan.	United Fruit Co.	Pto. Armles, R. P.	Boston, Mass.	Ballast	.....
Deroche ¹ ...	8	9	Amer.	Union Oil of Calif.	Los Angeles, Cal.	Paulsboro, N. J.	(22)	9,629
Donau	8	9	Ger.	North German Lloyd	Vancouver, B. C.	Hamburg, Ger.	General	9,700
Port Halifax ² ...	8	9	Brit.	Mont.-Aust.-N.Z. Line	Adelaide, Aust.	Halifax, N. S.	General	7,150
Chumleigh	8	8	Brit.	Dulverton S. S. Co.	Pt. Alberni, B. C.	London, England	Lum., grain	9,600
Caduceus	8	8	Brit.	Chile Nit. Sales Corp.	Iquique, Chile.	Azores ¹³	Nit. of soda	8,000
Todene	8	8	Brit.	Stoddard & Claxton	Vancouver, B. C.	Cobh, Ireland ¹³	Wheat	7,150
Corrientes	8	8	Brit.	Donaldson Bros.	Vancouver, B. C.	Glasgow, Scot.	Fruit, gen.	6,152
Rockpool	8	8	Brit.	Empire Shipping Co.	Vancouver, B. C.	Hull, England	Wheat	8,000
Zjawa ⁵ ...	8	9	Amer.	Tucker McClure	Ped. Miguel, C. Z.	Cristobal, C. Z.	Ballast	.....
Florence Luckenbach	8	9	Amer.	Luckenbach Line	Everett, Wash.	Mobile, Ala.	Gen. shingles	5,522
San Cipriano ^{1 2} ...	9	9	Brit.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Lands End ¹³ ...	Av. gasoline	11,444
Minerva ² ...	9	9	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	New Orleans, La.	Nit. of soda	9,440
Liberty Glo.	9	9	Amer.	Amer.-Foreign S.S. Co.	Olympia, Wash.	New York, N. Y.	Lumber	7,200
Istmo	9	11	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	744
Antietam ¹ ...	8	9	Amer.	Shell Oil Co.	Los Angeles, Cal.	Bayonne, N. J.	Fuel oil	10,339
Magister	9	9	Brit.	J. S. Webster & Sons	Vancouver, B. C.	Kingston, Jam.	Lumber, gen.	3,125
Arkansas	9	9	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	General	6,312
City of Los Angeles	9	10	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	7,129
Nuevo Panama ² ...	9	11	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	90
La Union ² ...	10	11	Pan.	A. A. Valdes	Darien, R. P.	Cristobal, C. Z.	Bananas	23
Pirre ² ...	10	11	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	25
Sona ² ...	10	11	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	32
Sambu ² ...	10	12	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	47
Tuira ² ...	10	11	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	42
Real ² ...	10	11	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Delftdijk ² ...	9	11	Neth.	N. Pac. Coast Line	Victoria, B. C.	Rotterdam, Neth.	(23)	10,485
D. G. Seofield ¹ ...	9	10	Amer.	Shell Union Oil Corp.	Los Angeles, Cal.	Fall River, Mass.	Fuel oil	10,964
Saarland	9	11	Ger.	Haburg-Amer. Line	Corral, Chile	Hamburg, Ger.	General	7,868
Lancaster Castle	10	11	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Garston, Eng.	(24)	8,450
Duala ² ...	10	10	Nor.	East Asiatic Co.	Seattle, Wash.	Goth'burg, Swed.	(25)	1,127
Hellen	10	10	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Jacksonville, Fla.	Potash nit.	7,636
John Cabot	10	16	Brit.	Grace Line	Champ'ico, Guatemala	Cristobal, C. Z.	General	698
Deepool	10	10	Brit.	Sir R. Ropner & Co.	Vancouver, B. C.	Cobh, Ireland ¹³	Wheat	8,570
African Reefer ² ...	10	10	Dan.	J. Lauritzen	Vancouver, B. C.	Haifa, Palestine	Fruit, gen.	1,740

¹ Tanker. ² Motor ship. ⁵ Launch. ¹³ For orders. ¹⁴ Perilla oil, sardine meal. ¹⁵ Fresh pears and apples. ¹⁶ Wheat, barley, lumber. ¹⁷ Cacao, coffee, nuts, wood. ¹⁸ Lumber, paper pulp. ¹⁹ Zinc, lead, fresh fruit. ²⁰ Coffee, tagua, balsa. ²¹ Plantains, lumber. ²² Diesel oil, solvent. ²³ Wheat, fruit, general. ²⁴ Oats, wheat, lumber. ²⁵ Fresh apples, pears.

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.

Comparison of Traffic at the Suez and Panama Canals for the First Eleven Months of the Calendar Years 1937 and 1938

The following is a comparison of traffic at the Suez and Panama canals for the first 11 months of the calendar years 1937 and 1938:

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1937	1938	Increase	Decrease	1936	1937	Increase	Decrease
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
June.....	540	469	.....	13.1	472	445	.....	5.7
July.....	551	509	.....	7.6	457	429	.....	6.1
August.....	531	522	.....	1.7	505	468	.....	7.3
September.....	522	508	.....	2.7	444	438	.....	0.9
October.....	557	540	.....	3.1	461	494	7.2	.....
November.....	526	495	.....	5.9	435	505	16.1	.....
Total.....	6,094	5,668	.....	7.0	5,103	5,117	0.3	.....

Traffic Through the Panama Canal During the Calendar Year 1938, by Nationality

Nationality	No. of ships	TONNAGE			Tolls	Tons of cargo
		Panama Canal net	Registered gross	Registered net		
British.....	1,398	7,384,076	9,090,975	5,512,305	\$6,330,033.69	6,380,820
Chilean.....	16	67,026	95,542	57,718	59,318.02	30,974
Cuban.....	2	.....	.....	.....	1,200.00	.....
Danish.....	211	779,770	883,562	531,686	662,807.72	720,156
Finnish.....	1	3,554	4,746	2,889	3,198.60	4,021
French.....	107	544,722	719,156	396,580	478,496.25	518,017
German.....	352	1,388,676	1,724,252	1,012,006	1,230,148.95	1,383,248
Greek.....	90	408,755	478,817	291,394	342,064.46	477,121
Honduran.....	28	46,122	75,693	44,563	39,056.62	12,610
Italian.....	56	329,650	453,424	271,481	285,629.21	178,513
Japanese.....	282	1,644,615	2,115,640	1,306,875	1,466,711.38	1,734,465
Latvian.....	4	10,890	12,816	7,500	8,820.90	9,770
Netherlands.....	314	806,349	921,304	545,822	690,988.01	681,099
Norwegian.....	712	3,225,100	3,779,229	2,255,860	2,689,629.79	3,384,336
Panamanian.....	181	337,004	466,788	270,561	280,944.48	329,489
Peruvian.....	7	12,658	18,570	11,089	12,001.10	9,089
Philippine Islands.....	5	27,700	31,887	19,408	22,578.30	22,369
Soviet.....	7	12,235	18,153	10,889	12,903.35	15,876
Swedish.....	139	650,248	1,089,041	569,956	543,932.19	896,691
United States.....	1,686	8,398,176	10,763,176	6,494,803	7,355,301.09	9,324,640
Venezuelan.....	4	6,936	11,260	6,288	5,618.16	4,318
Yugoslav.....	24	106,133	128,843	79,545	87,172.98	109,646
Calendar year 1938.....	5,626	26,190,395	32,882,874	19,699,818	22,608,555.25	26,227,268
Calendar year 1937.....	5,542	28,559,935	33,648,455	19,976,940	23,950,072.95	29,298,766
Calendar year 1936.....	5,487	27,999,836	33,157,542	19,655,543	23,531,581.92	27,369,615

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 1938 and paid tolls on the basis of displacement tonnage, as follows:

Nationality	No. of vessels	Displacement tonnage	Tolls
British.....	8	29,557	\$14,778.50
Cuban.....	2	2,400	1,200.00
French.....	1	7,429	3,714.50
German.....	1	13,312	6,656.00
Soviet.....	2	3,200	1,600.00
Total.....	14	55,898	27,949.00

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, 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.

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.

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

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.

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.

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."

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. 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.

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.

Current Net Prices on Fuel Oil, Diesel Oil, and Coal

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, \$0.95 per barrel at Cristobal and Balboa; Diesel oil, \$1.75 per barrel at Cristobal and Balboa.

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

Coal can be bunkered by bunkering machines at any rate up to 1,500 tons per hour, regulated by the amount of necessary trimming. Oil deliveries can be made up to 5,500 barrels per hour, rate depending on gravity of oil, location of shore tanks, and ship's facilities for handling.

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, 7:00 a. m.; 11 a. m.; 5 p. m.; 10 p. m.

From Panama: Daily, 7:05 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.

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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.

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Traffic Through the Panama Canal in January 1939

The total vessels of all kinds transiting the Panama Canal during the month of January 1939, and for the same month in the two preceding years, are shown in the following tabulation:

	January 1937	January 1938	January 1939		
			Atlantic to Pacific	Pacific to Atlantic	Total
Ocean-going commercial traffic.....	399	444	282	243	525
Small commercial vessels ¹	97	69	46	44	90
Noncommercial vessels:					
United States Government.....	38	60	25	122	147
Colombian Government.....		2			
For repairs.....	1	2	1	1	2
Total.....	535	577	354	410	764

¹ Vessels under 300 net tons, Panama Canal measurement.

OCEAN-GOING COMMERCIAL TRAFFIC²

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 twelve months ended January 31, 1939, as compared with the twelve months ended January 31, 1938:

Month	No. of vessels		³ Panama Canal net tonnage		Tons of cargo		Tolls	
	1937-8	1938-9	1937-8	1938-9	1937-8	1938-9	1937-8	1938-9
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	2,511,674	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	2,070,337.89	1,801,291.78
July.....	457	429	2,395,306	2,089,000	2,476,366	2,025,660	2,029,642.45	1,694,205.00
August....	505	468	2,597,119	2,345,000	2,780,603	2,171,674	2,195,308.87	1,890,050.74
September.	444	438	2,312,725	2,165,000	2,385,142	1,998,464	1,935,673.78	1,741,895.46
October....	461	494	2,359,406	2,460,000	2,438,788	2,359,673	1,981,057.87	1,977,706.76
November.	435	505	2,280,565	2,439,000	2,185,283	2,223,830	1,893,462.00	1,984,014.72
December.	439	509	2,238,271	2,526,000	2,046,170	2,374,395	1,845,048.20	2,031,017.04
January....	444	525	2,219,496	2,571,000	2,095,402	2,393,360	1,837,894.72	2,062,454.16
Total.....	5,587	5,707	28,863,644	28,300,221	29,538,231	26,525,226	24,189,644.16	22,833,114.69

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

³ These figures indicate the Panama Canal net tonnage as determined under the rules of measurement in effect prior to March 1, 1938.

⁴ 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.

⁵ Estimated tonnage under the former rules, based on total Panama Canal net tons as now measured, July 1938, 1,933,816; August 1938, 2,177,699; September 1938, 2,005,241; October 1938, 2,276,194; November 1938, 2,302,333; December 1938, 2,336,011; January 1939, 2,380,916.

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 1939. These vessels, although paying tolls, are omitted from statements concerning ocean-going traffic:

	No. of transits	⁶ Panama Canal net tonnage	Tolls	Tons of cargo
Atlantic to Pacific.....	46	2,451	\$1,930.68	498
Pacific to Atlantic.....	44	2,358	2,121.84	2,723
Total.....	90	4,809	4,052.52	3,221

⁶ As measured under the present Panama Canal rules.

Traffic by Nationality of Vessels ⁷ for January 1939

Nationality	No. of transits	⁸ Panama Canal net tonnage	Tolls	Tons of cargo
British.....	9138	681,220	\$580,378.62	559,176
Chilean.....	4	15,367	13,771.98	9,006
Danish.....	20	83,171	72,464.04	75,080
French.....	10	48,379	43,028.28	45,629
German.....	33	129,890	116,901.00	139,594
Greek.....	12	54,840	48,585.06	91,569
Honduran.....	1	1,616	1,454.40	812
Italian.....	3	19,439	17,495.10	4,908
Japanese.....	22	124,120	111,708.00	148,107
Netherland.....	31	91,897	78,436.98	87,256
Norwegian.....	68	309,932	261,089.82	314,276
Panamanian.....	20	38,901	33,517.08	55,226
Peruvian.....	1	2,259	2,033.10	1,970
Philippine.....	1	4,805	4,324.50	8,058
Swedish.....	12	5,552	47,577.06	71,238
Soviet.....	1	3,358	3,022.20	2,258
United States.....	142	689,062	604,588.86	753,184
Yugoslav.....	6	27,108	22,078.08	26,003
Total.....	525	2,380,916	2,062,454.16	2,393,360

⁷ Tolls-paying vessels of 300 net tons or over, Panama Canal measurement. ⁸ As measured under the present Panama Canal rules. ⁹ Includes one naval vessel of 7,800 displacement tons.

Traffic by Trade Routes for January 1939

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	¹⁰ Panama Canal net tonnage	Tons of cargo	No. of ships	¹⁰ Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	51	232,977	160,139	52	259,294	388,719
East coast United States and:						
Canada.....				3	14,062	23,129
Central America/Mexico.....	4	7,576	3,232	4	7,418	3,138
South America.....	21	86,529	12,472	21	85,564	203,373
Hawaiian Islands.....	4	18,523	11,088	2	10,512	17,154
Australasia.....	5	30,407	26,172			
Philippine Islands.....	8	43,833	39,496	10	53,304	71,537
Far East.....	27	137,236	216,776	6	31,316	25,698
East coast Canada and:						
South America.....	1	4,359				
Australasia.....	5	25,331	21,632	3	15,404	16,754
Central America/Mexico intercoastal.....	1	6,264	11,974			
East coast Central America/Mexico and United States.....				1	3,054	6,082
South American intercoastal.....	4	10,265	15,246			

¹⁰ As measured under present Panama Canal rules.

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	¹⁰ Panama Canal net tonnage	Tons of cargo	No. of ships	¹⁰ Panama Canal net tonnage	Tons of cargo
East coast South America and:						
Canada.....	1	4,415	6,482	1	4,551	6,515
Far East.....	3	16,758	15,313	1	5,425	3,649
Cristobal and:						
Central America.....	5	3,386	3,315	5	3,314	3,989
South America.....	17	9,474	6,789	18	10,968	9,080
West Indies and:						
United States.....	1	3,698	7,232	1	8,259	15,369
Canada.....				2	3,983	6,755
Central America/Mexico.....	1	1,153				
South America.....	1	6,332	13,475	1	8,145	17,164
Far East.....	1	2,456	4,840			
Europe and:						
United States.....	30	148,289	3,100	12	52,071	85,866
Canada.....	48	240,380	38,309	60	300,720	460,287
Central America/Mexico.....	2	5,936	4,083			
South America.....	19	100,244	38,085	21	108,549	162,048
Australasia.....	11	84,946	69,354	12	76,559	77,586
Far East.....	1	6,037	7,926	4	19,489	27,483
Africa and Far East.....	1	4,313	8,000			
Asia and:						
Canada.....				1	1,778	1,740
Around the world.....	2	9,604	7,490	1	6,672	8,220
Foreign vessels in ballast (United States intercoastal).....	4	17,511				
Vessels not engaged in commerce.....	¹¹ 3	2,268		¹² 1		
Total.....	282	1,290,505	752,025	243	1,090,411	1,641,335

¹⁰ As measured under present Panama Canal rules. ¹¹ Yachts. ¹² Cruiser.

Origin and Destination of Cargo by Major Areas, January 1939

The following table summarizes the origin of cargo passing through the Canal in January 1939, 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.....	165,971	16,975	261,048	11,848	22,719	478,561
Other North America.....	8,979	18,465	4,902	25,934	25,686	83,966
Europe.....	27,440	14,835	4,531	32,630	67,781	147,217
Miscellaneous.....	4,433	3,152	11,058	14,666	8,972	42,281
Total.....	206,823	53,427	281,539	55,078	125,158	752,025

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	381,935	30,412	207,140	10,356	629,843
Canada.....	23,129	7,702	335,216	2,151	368,198
Other North America.....	20,292	4,330	2,983		27,605
South America.....	200,085	30,770	160,704	106	391,665
Australasia.....	5,966	11,785	76,589		94,340
Asia.....	100,312	3,417	25,478	477	129,684
Total.....	731,719	88,416	808,110	13,090	1,641,335

Principal Commodities

Commodities in transit through the Canal which aggregated 10,000 or more long tons, either during January 1939 or January 1938, are listed below:

Commodity	January		Commodity	January	
	1938	1939		1938	1939
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Automobiles and parts.....	24,742	20,931	Canned food products.....	68,925	118,478
Canned food products.....	10,429	9,625	Coffee.....	15,392	16,390
Cement.....	7,656	14,076	Cold storage (food products) ¹³	36,461	32,493
Cotton, raw.....	8,873	20,380	Copra.....	31,499	15,802
Iron and steel manufactures.....	124,087	123,141	Cotton, raw.....	18,763	8,488
Machinery.....	15,808	10,634	Flour.....	16,791	12,193
Manufactured goods.....	10,426	14,312	Fruit, dried.....	22,743	22,645
Metals, various.....	34,940	29,536	Fruit, fresh ¹⁴	29,925	47,897
Oils, mineral.....	68,583	98,538	Lumber.....	221,699	307,232
Paper.....	23,261	35,078	Metals, various.....	57,666	51,749
Phosphates.....	3,792	32,808	Nitrates.....	173,643	122,307
Railroad material.....	28,365	6,958	Oats.....	6,245	15,735
Scrap metal.....	8,987	95,972	Oils, mineral.....	188,827	221,912
Sand.....	10,817	3,391	Oils, vegetable.....	15,097	14,196
Slag.....	10,883	3,363	Ores.....	196,103	140,078
Sugar.....	14,971	759	Paper.....	11,057	5,981
Sulphur.....	10,396	14,597	Soy beans.....	16,218	17,389
Tinplate.....	14,873	16,703	Sugar.....	81,620	89,969
<i>Pacific to Atlantic</i>			Wheat.....	92,137	192,788
Barley.....	18,580	26,844	Wood pulp.....	31,712	22,240
Beans, edible, dry.....	16,669	13,646	Wool.....	8,218	14,897

¹³ Does not include fresh fruit.

¹⁴ Does not include bananas.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of January 1939, 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.....				73
Agricultural implements.....	685	846	2,311	1,335
Ammonium compounds.....	195		3,190	
Animal foods ¹⁵	74	57	74	57
Apparel, wearing (hats, shoes, clothing, etc.).....	141		141	5
Asbestos.....	791	39	2,512	87
Asphalt and tar.....	233	24	6,953	907
Automobiles (and autotrucks).....	2,567		14,277	7
Automobile parts and accessories.....	936	25	6,654	25
Bags and bagging, textile.....	133	49	415	126
Bamboo and products.....		8		474
Bananas.....				3,446
Barks, miscellaneous.....	69	49	182	907
Barley.....		12		26,844
Beans, edible, dry.....		7,397	60	13,646
Beer.....	5		293	
Beverages, nonalcoholic.....	50		80	
Blood and tankage.....			30	50
Bones and bone meal.....		29	371	29
Books and printed matter.....	94		96	
Borax.....	50	462	720	6,270
Bran and pollards.....		186	10	808
Bricks and tile.....	120		2,817	9
Camphor, crude.....				56
Canned and preserved goods:				
Fish.....	794	16,677	1,063	28,511
Fruit.....	1,779	25,945	1,898	60,018
Ment.....	35	18	334	94
Milk.....	74	281	377	1,090
Soup.....	2,885	498	2,900	532
Vegetables.....	313	8,845	353	8,879
Miscellaneous and unclassified.....	1,389	13,045	2,700	19,354
Carbon black.....	41	5	1,171	11

¹⁵ 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
Celite.....		506		506
Cement.....	187		14,076	
Chalk.....	42		250	3
Charcoal.....			129	
Chemicals ¹⁵	2,337	638	7,065	1,260
Clay, china and fire.....	565	448	4,035	634
Clay, filtering.....		94		94
Coal.....	1,105		1,531	
Cocoa and cacao beans.....	373	614	595	1,962
Coconuts and products ¹⁵	64	2,247	155	2,850
Coffee.....	118	22	5,263	16,390
Coke.....			4,792	12
Cold storage and refrigerated products:				
Dairy products.....	50	23	485	19,654
Eggs.....			7	165
Fish.....	422		518	1,405
Lard.....	135	30	179	70
Meats.....	136	53	275	10,643
Poultry.....		114		142
Vegetables.....		355		394
Other and unclassified.....		20	3	20
Confectionery.....	1,159		1,160	3
Copra.....				15,802
Corn.....			275	517
Cotton, raw.....		1,015	20,380	8,488
Creosote.....			16	
Drugs and medicines.....	1,708	80	1,983	94
Dyes.....			24	
Earthenware.....	48		75	321
Eggs, dried.....				20
Electrical apparatus and appliances.....	1,372	306	2,206	326
Enamelware and metalware.....	319	606	808	1,375
Explosives.....		1	196	6
Extract, quebracho.....			3,793	
Fertilizers ¹⁵	181	117	7,804	182
Fish, salted or dry-cured.....			38	
Fish meal.....				4,613
Floor coverings.....	2,275	1,245	2,451	1,713
Flour.....	164	9,748	874	12,193
Fruit, dried.....	65	10,512	274	22,645
Fruit, fresh ¹⁵	15	2,918	633	47,897
Furniture and household goods.....	421	53	500	98
General.....	9,993	4,945	40,789	12,988
Glass and glassware.....	1,780	61	4,632	1,261
Glue.....	66	84	108	84
Grains ¹⁵	27		79	5
Groceries.....	969	1,485	1,218	2,092
Gums.....	22		22	172
Hair, all kinds.....	50	59	50	180
Hay.....		10	16	23
Hemp, unmanufactured.....	61	87	61	1,844
Honey.....		215		336
Hops.....		43	122	362
Horns and hoofs.....			10	
Infusorial earth.....		1,433		1,865
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.).....	55,385	474	123,141	577
Ivory nuts.....			1	1,552
Jute, unmanufactured.....	35		45	49
Lard substitute.....	601		603	100
Lime.....	49		69	
Liquors.....	2,374	464	3,751	469
Lumber (including manufactured mill products).....	1,365	132,390	4,804	307,232
Machinery.....	1,727	479	10,634	689
Malt.....			311	8
Manufactured goods ¹⁵	7,205	1,203	14,312	4,167
Marble and granite.....			253	
Matches.....	14	143	67	268
Metals:				
Antimony.....			66	
Copper.....	431	4,018	4,433	27,006
Gold and silver.....				32
Iron.....	655		20,269	
Lead.....	25	1,258	60	14,743
Tin.....	311	155	1,460	345
Zinc.....	88	102	1,246	9,127
Other and unclassified.....	268	11	2,002	496
Milk, powdered.....		336		586
Molasses and syrups.....	275		7,732	1,292
Nitrates.....	1,887		7,575	122,307

¹⁵ 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
Nuts, edible (including meats)	199	296	204	639
Oats	69	436	76	15,735
Oils, mineral:				
Crude	4		13,773	38,869
Gas and fuel		59,003	37,472	66,172
Gasoline, benzine, and naphtha	6	13,239	16,758	97,591
Kerosene		13	13,875	17,772
Lubricating and greases	5,698	867	16,410	1,508
Other and unclassified			250	
Oils, vegetable:				
Coconut		530	12	8,675
Linseed	236		384	1
Olive			30	
Peanut				1,436
Rapeseed				517
Wood	14		14	1,117
Other and unclassified	141		787	2,450
Oil, fish	4	3,056	81	7,057
Oil, whale			38	
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)	45	84	2,549	347
Oilseed cake and meal	1,394	115	1,394	3,737
Ores:				
Antimony				316
Chrome				2,500
Copper		1,651	98	4,388
Gold and silver				171
Iron				107,600
Lead			24	5,766
Magnesite		443		800
Manganese	400		400	3,553
Tin		85		3,998
Zinc				8,519
Other and unclassified	478	90	674	2,467
Paints and varnishes	1,013	117	2,315	176
Paper and paper products ¹⁵	8,486	4,970	35,078	5,981
Peanuts	459		459	5
Peas, dry		104		447
Peatmoss			701	
Phosphates	120		32,808	
Plaster	14		243	
Porcelainware	192	62	930	3,923
Potash	52	123	4,105	123
Rags and waste	185	290	570	582
Railroad material	97		6,958	
Rice	852	270	1,039	1,572
Rope and twine	111	20	146	670
Rosin	1,533		3,755	743
Rubber:				
Manufactured	846	444	1,242	616
Raw			27	2,435
Scrap			851	34
Salt	58	298	3,634	298
Sand	18		3,391	25
Scrap metal	98	255	95,972	679
Seeds (except oilseeds)		371	204	806
Sewer pipe (concrete and terra cotta)	50		50	
Shells, oyster	573		651	217
Silk, raw		161	15	2,787
Skins and hides		1,945	577	4,650
Slag			3,363	
Slate	1,080		1,080	
Soaps and products	1,607	24	1,681	59
Soda and sodium compounds:				
Soda ash	158		200	287
Soda, caustic	133	55	983	55
Miscellaneous and unclassified	345		1,135	172
Soy beans	1,236		1,236	17,389
Spices	180	93	220	139
Sugar	40	16,704	759	89,969
Sulphur	14,252		14,597	35
Talc		49	43	480
Tallow		656	82	2,712
Tea	59	36	110	1,310
Textiles ¹⁶	3,236	153	7,879	5,978
Tinplate	6,601		16,703	52
Tobacco and manufactures	227	52	4,158	91
Toilet preparations	161	26	165	128
Turpentine	172		489	
Vegetables, dry ¹⁵		40		1,103
Wallboard	298		623	137

¹⁵ Except as otherwise classified. ¹⁶ Cotton, silk, wool, rayon goods.

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
Wax, paraffin.....	263	199	1,211	304
Wheat.....		56		192,788
Wines.....	74	1,238	514	2,136
Wood pulp.....	15	16,757	8,890	22,240
Wool.....	12	712	109	14,897
Total, January 1939.....	165,971	381,935	752,025	1,641,335
Total, January 1938.....	153,050	321,302	603,175	1,492,227
Total, January 1937.....		69,710	508,209	1,347,728

Tanker Traffic

The following tabulation shows, according to trade routes, the tanker traffic through the Canal during the month of January 1939:

Trade route	Atlantic to Pacific			Pacific to Atlantic		
	No. of ships	¹⁷ Panama Canal net tonnage	Tons of cargo	No. of ships	¹⁷ Panama Canal net tonnage	Tons of cargo
United States intercoastal.....	8	44,905		7	39,186	¹⁹ 75,105
East coast United States and:						
Hawaiian Islands.....	1	3,732				
Far East.....	2	13,353	25,329			
East coast Canada and South America.....	1	4,359				
Central America/Mexico intercoastal.....	1	6,264	11,974			
South American intercoastal.....	1	6,061	12,221			
West Indies and:						
United States.....	1	3,698	¹⁸ 7,232	1	8,259	15,369
South America.....	1	6,332	13,475	1	8,145	17,164
Europe and:						
United States.....	11	64,974		5	32,589	62,984
South America.....	3	21,063		4	24,704	49,769
Total.....	30	174,741	70,231	18	112,883	220,391

¹⁷ As measured under the present Panama Canal rules. ¹⁸ Molasses. ¹⁹ 2,864 tons discharged at Cristobal.

Comparison of Canal Traffic in January 1939, 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.....	¹⁹ 96	337	426	1915.....	²⁰ 100	361	466
1916.....	²¹ 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.....	272	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	2,858	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	1938.....	460	²² 2,338	2,232
1939.....	525	²³ 2,571	2,393	1939 (7 months).....	481	²⁴ 2,378	2,221

¹⁹ Canal opened August 15, 1914. ²⁰ Canal closed part of month due to slides. ²¹ Average for 10½ months of fiscal year ended June 30, 1915. ²² As measured under the rules in effect prior to March 1, 1938. ²³ Estimated tonnage under Panama Canal rules in effect prior to March 1, 1938.

Terminal Activities

Ships repaired during the month of January 1939 numbered 64. Vessels released from drydock numbered 13. Fuel oil amounting to 239,550 barrels was delivered as bunkers to 116 commercial ships. Bunker coal amounting to 7,005 tons was delivered to 31 commercial ships. Sales of commissary supplies to ships aggregated \$120,462.63.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving..... tons..	20,699	10,797	31,496
Local cargo shipped..... tons..	2,254	566	2,820
Cargo received for transshipment..... tons..	48,837	881	49,718
Cargo transshipped..... tons..	47,249	293	47,542
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	6		6
Number of releases issued.....	45	20	65
Tons received.....	36		36
Tons withdrawn.....	51	13	64

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..	704	4,142,331	2,758,845	658	3,781,697	2,560,834
Vessels entering port but not transiting Canal..	62	408,653	221,940	8	40,162	24,404
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	139	751,497	447,829	117	721,666	438,992
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	699	4,122,308	2,745,687	661	3,796,834	2,572,146
Vessels clearing port but not transiting Canal..	60	400,890	217,632	10	42,860	26,670
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	137	743,905	442,102	117	724,854	440,711

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, 1939, to midnight February 10, 1939. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Istmo, 0, 360	Colombia, 58, 24	Margaret Johnson, 66,	Pereira, 1,118, 549	Virgilio, 3, 334
Saarland, 0, 228	Ino, 0, 57	96	Benj. Franklin, 5, 93	Deborah, 0, 84
Contessa, 0, 908	Cuba, 35, 0	Veragua, 177, 1,068	Osorno, 254, 428	Istmo, 219, 317
Delfdijk, 0, 180	Trois Ilets, 369, 0	Orotava, 11, 271	Chiriqui, 141, 722	Forbes
Lobos, 25, 175	Leipzig, 92, 13	Cerigo, 679, 224	Guayaquil, 1,317, 530	1,543, 0
Luebeck, 17½, 264½	Ceres, 6, 140	Ino, 468, 150	Dinteldijk, 292, 69	Acajutla, 744½, 0
Monseratte, 108, 341	Talamanca, 79, 229	Sixola, 703, 92	Tai Yang, 1,158, 0	Copiapo, 115, 0
Brimanger, 5, 0	Santa Paula, 318, 88	Este, 156½, 237	Pasajero, 33, 18	Canadian Reefer, 70, 0
Samuel, Bakke, 10, 0	John Cabot, 0, 644	Crawford Ellis, 1 pkg.,	Quito, 759, 0	San Diego, 111, 336
Abraham Lincoln, 8,	Fella, 114, 0	336	Madoera, 74, 0	Arizona, 1, 1,030
101	Historian, 217, 0	Norden, 483, 0	Canada, 0, 28	Cefalu, 779, 837
Platano, 774, 17	Lochmonar, 65, 151	Trois Ilets, 267, 54	Ulna, 847, 308	Moldanger, 6, 0
Seattle, 355, 0	Istmo, 428, 138	Alabama, 501, 0	Margaret Lykes, 567,	Annie Johnson, 255, 57
Ermland, 5, 0	Peru, 87, 115	Komaki Maru, 372, 0	930	Tigre, 0, 405
Santa Rita, 374, 0	Yamabiko Maru, 646, 0	Douro, 268, 191	Allister, 478, 19	Musa, 709, 37
Santa Clara, 400, 38	Maravi, 0, 73	Clio, 336, 93	Nero, 265, 171	Havelland, 293, 0
Sambu, 0, 146	Cefalu, 214, 1,011	Palatia, 5, 166	Clio, 552, 208	Lautaro, 76, 0
Douro, 0, 12	Cordillera, 0, 786	Colombia, 2, 950	Sesostriis, 72, 781½	Santa Lucia, 50, 0
Amerika, ½, 168	Cuba, 0, 892	Santa Elena, 77, 50½	Cerigo, 49, 611	San Bernardino, 1,275,
Jamaica, 42, 1,018	Orduna, 60, 2	Quirigua, 44, 69	San Francisco, 475, 351	0
Tasmania, 588, 0	Santa Lucia, 711, 29	San Vincente, 441, 11	Morviken, 595, 0	Cristobal, 3,636, 818
Nero, 415, 126	Real, 0, 7	Bockenheim, 0, 187	Trois Ilets, 194, 99	Alkmaar, 0, 630
Bogota, 911, 620	Salvador, 752, 415	Santa Barbara, 449, 4	Tacoma, 95, 306	Drechttdijk, 216, 201
Toloca, 603, 209	Conterra, 383, 800	Komaki Maru, 372, 0	Thorstrand, 19, 0	Telde, 339, 568
American Press, 604,	Musa, 567, 2	Nozima Maru, 699, 0	Niunberg, 127, 316	Dresden, 99, 1,166
1,741	Wyoming, 169, 29	Hoyanger, 28, 14	Henderson, 2, 0	De La Salle, 102, 1,144
Buenaventura, 1,604,	Ancon, 3,243, 626	Istmo, 215, 432	Santa Rita, 400, 98	Talamanca, 273, 450
462	Naumburg, 124, 0	Sambu, 0, 60	Santa Inez, 287, 0	Orotava, 260, 307
Durazzo, 176, 678	Muenchen, 60, 441	Weser, 555, 583½	Jamaica, 49, 65	Santa Maria, 594, 92
Pasajero, 0, 4	Bennekom, 304, 218	Platano, 881, 105	Santa Rosa, 194, 341	Nero, 624, 169
Lysefjord, 0, 207½	Santa Maria, 280, 439	Kaipara, 0, 578	Milwaukee, 5, 0	Ino, 410, 112

CRISTOBAL—Continued

Trois Ilets, 155, 0	Santa Paula, 404, 233	Oropesa, 70, 1 pkg.	Caribia, 131, 253½	Costa Rica, 64, 2
Durazzo, 1,181, 706	San Clemente, 896, 0	Europa, 14, 165	Sambu, 0, 114	Kansai Maru, 273, 84
Deborah, 14, 0	Lochavon, 275, 287	Patria, 390, 112	Platano, 831, 10	Poseidon, 1, 0
Shenandoah, 1,187, 0	Francis R. Hart, 5,644, 0	Barneveld, 241, 730	Santa Barbara, 295, 32	Ino, 224, 237
Portland, 75, 241		Contessa, 606, 667	Quirigua, 41, 349	Scholar, 191, 0
Leme, 71, 238	Douro, 570, 39	Quito, 0, 630	Buenaventura, 1,507, 349	Tolosa, 589, 131
Luebeck, 251, 419	Cadmus, 9, 531	Santa Clara, 379, 5	Niel Maersk, 954, 453	
Lagarto, 41½, 65	Istmo, 400, 364	Real, 0, 29	Bogota, 840, 559	
Pericles, 73, 806	Buenos Aires, 10, 223	John Cabot, 767, 595	Rialto, 38, ¼	
Veragua, 126, 471½	Acajutla, 0, 238	City of Delhi, 92½, 0		

BALBOA

Samuel Bakke, 664, 0	Santa Maria, 209, 2	Nurnberg, 121, 0	Santa Rita, 147, 0	Niel Maersk, 233, 0
Santa Clara, 209, 0	Ferncastle, 5,783, 9	Trois Ilets, 51, 0	Acajutla, 1, 0	Tatsuno, Maru, 167, 0
City of San Francisco, 243, 0	Hoyanger, 55, 0	Forbes Hauptman, 1,126, 20	Santa Lucia, 95, 33	Salinas, 9,251, 0
Republic, 656, 315	City of Norfolk, 764, 0	Cerigo, 0, 54	Rangitane, 47, 0	Santa Barbara, 230, 0
Salvador, 2, 0	Tai Yang, 272, 0	City of Newport News, 516, 0	City of Newport News, 516, 0	Lebec, 10,211, 0
Santa Lucia, 2, 0	Chamont, 1, 0	City of Baltimore, 418, 0	Geisha, 91, 0	
Cuyama, 7,398, 0	San Francisco, 1,549, 0	Maine, 1,159, 0	Santa Clara, 8, 0	
	Nourmahal, 1, 1			

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

Passengers

During January 1939, ocean-ship passengers disembarking at Cristobal numbered 1,938, embarking 1,564; at Balboa, 631 disembarking and 698 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 2,896, from the Pacific to the Atlantic, 2,647. Aircraft numbering 98 entered Cristobal, 223 passengers disembarking; clearances were 96, with 262 passengers embarking. Balboa entries of aircraft numbered 53, with 122 passengers disembarking; clearances were 53, with 107 passengers embarking.

Comparison of Traffic at the Suez and Panama Canals for the Calendar Years 1937 and 1938

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1937	1938	Increase	Decrease	1937	1938	Increase	Decrease
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
June.....	540	469	.....	13.1	472	445	.....	5.7
July.....	551	509	.....	7.6	457	429	.....	6.1
August.....	531	522	.....	1.7	505	468	.....	7.3
September.....	522	508	.....	2.7	444	438	.....	0.9
October.....	557	540	.....	3.1	461	494	7.2	.....
November.....	526	495	.....	5.9	435	505	16.1	.....
December.....	541	503	.....	7.0	439	509	15.9	.....
Total.....	6,635	6,171	.....	7.0	5,542	5,626	1.5	.....

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.

Movements of Ocean Vessels Through the Panama Canal

From midnight January 10, 1939, to midnight February 10, 1939

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Queen Maud ²	10	11	Brit.	Thos. Dunlop & Sons	Halifax, N. S.	Brisbane, Aust.	Newsprint	5,277
Nuevo Panama ²	10	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Istmo	9	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	1,077
Charleston ¹²	10	11	Amer.	U. S. Navy	Norfolk, Va.	Balboa, C. Z.	Ballast	
Dalveen	10	11	Brit.	United Steam Nav. Co.	N. Shields, Eng.	S. Francisco, Cal.	Ballast	
Loch Ranza	10	11	Brit.	MacLay & McIntyre.	Cardiff, Wales	Vancouver, B. C.	Ballast	
King Egbert ²	10	11	Brit.	J. J. Moore	Belfast, Ireland.	Los Angeles, Cal.	Ballast	
Bullaren ²	10	11	Swed	Flood Brothers	Antwerp, Belgium	S. Francisco, Cal.	Silver sand	3,100
Bridgpool	11	11	Brit.	Sir R. Ropner & Sons	N. Shields, Eng.	U. S. west coast	Ballast	
Pukkastan	11	11	Brit.	Empire Ship. Co.	Barry, England	U. S. west coast	Ballast	
American	11	11	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	1,813
City of Manila	11	11	Brit.	Ellerman & Bucknall	Philadelphia, Pa.	Fremantle, Aust.	General	6,197
Simenburn	11	11	Brit.	Hindustan S. S. Co.	Barry, England	Vancouver, B. C.	Ballast	
Samuel Bakke ²	11	12	Nor.	Knut Knutsen, O.A.S.	Goth'burg, Swed.	Talcahuano, Chile	Gen., paper	3,936
Monserrate ²	11	11	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile	General	2,790
Brimanger ²	11	11	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Lubeck	11	11	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Champ'ico, Guat.	General	1,963
Lobos ²	11	12	Brit.	Pacific Steam Nav. Co	Hull, England	Valparaiso, Chile	General	2,831
Krossfonn ^{1 2}	11	12	Nor.	Pechelbronn	Donges, France	LaLibertad, Ecu.	Ballast	
Tuira ²	10	12	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real ²	10	12	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
La Union ²	10	12	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Pirre ²	10	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona ²	10	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Santa Clara	11	12	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile	General	2,308
Mosli ^{1 2}	11	12	Nor.	Petroleos Mexicanos.	Minatitlan, Mex	Mazatlan, Mex.	Gas and oil	11,974
Ermland ²	11	12	Ger.	Hamburg-Amer. Line.	Galveston, Tex	Manila, P. I.	General	8,580
Sirikishna	11	12	Brit.	The South Georgia Co.	Cardiff, Wales	Vancouver, B. C.	Ballast	
Clearpool	11	12	Brit.	Pool Shipping Co.	Tyne, England	Portland, Oreg.	Ballast	
Amerika ²	12	12	Dan.	East Asiatic Co	Copenhagen, Den.	Vancouver, B. C.	General	570
Cairnvalona	12	12	Brit.	Furness, Withy & Co.	Leith, Scotland	Vancouver, B. C.	Ballast	
Sambu ²	10	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	74
News of Newport	14	15	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General	1,947
Maranon	12	15	Peru	C. P. V. D.	Iquitos, Peru	Callao, Peru	Gen., lumber	1,970
Canal Maraleda	13	15	Chile	Chilean Govt. Rwy.	Cardiff, Wales	Valparaiso, Chile	Ballast	
Geddington Court	12	15	Brit.	Canadian Transp. Co.	Cardiff, Wales	N. Pacific port.	Ballast	
Timber Rush	13	15	Amer.	Shepard S. S. Co.	Boston, Mass.	Tacoma, Wash.	General	3,567
City of Glasgow	13	15	Brit.	Mont.-Aust.-N.Z. Line	St. John, N. B.	Bluff, N. Z.	General	3,962
Galaxias	13	15	Greek	Mitsui Line	Antwerp, Belg.	California ¹³	Ballast	
Durazzo	13	15	Ger.	Hamburg-Amer. Line.	Pto. Colombia	Guayaquil, Ecu.	Coffee, gen.	489
Steele	13	15	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Adelfotis	14	15	Greek	M. Carras, Ltd.	Seax, Spain	N. Plym'th, N. Z.	Phosphate	8,000
Windsrowood	14	15	Brit.	Constantine Ship. Co.	Ghent, Belgium	Wellington, N. Z.	Fertilizer	7,005
William Luckenbach	14	15	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	3,245
Nero ²	12	15	Neth	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	114
Penelope ^{1 2}	12	15	Pan.	Standard Oil of N. J.	Carpito, Venez.	Tocopilla, Chile.	(¹⁴)	12,221
Mexican	14	15	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General	2,727
Uyo Maru ²	14	15	Jap	Mitsui Line	Mobile, Ala	Osaka, Japan.	(¹⁵)	7,909
Abadan ^{1 2}	14	15	Swed.	E. A. Gibson Co.	Bordeaux, Fr.	El Segundo, Calif	Ballast	
Charles R. McCormick	14	15	Amer.	McCormick S. S. Co.	Albany, N. Y.	Seattle, Wash.	General	1,760
Ino ²	14	15	Neth	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	51
Trois Ilets	15	15	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	Ballast	
Hawaiian	15	16	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Tacoma, Wash.	General	3,017
Firmore	15	16	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
John Cabot	10	16	Brit.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	653
Empire Star ²	16	16	Brit.	Blue Star Line	Glasgow, Scot.	Pt. Chalmers, N.Z.	General	8,743
Steel Mariner	16	16	Amer.	Isthmian S. S. Lines.	New Orleans, La.	Honolulu, T. H.	Tinplate, gen	4,855
Goviken	16	16	Nor.	Longis. Mach. & Equip.	Baltimore, Md.	Yawata, Japan	Scrap steel	6,508
Taiwan ²	16	16	Nor.	Barber Line	S. Boca Gr'de, Fla.	Kobe, Japan	Phosphate	8,400
Lerwick	16	16	Brit.	Chile Nit. Sales Corp.	Mobile, Ala	Tocopilla, Chile.	Ballast	
Washington	16	16	Amer.	Weyerhaeuser S.S. Co.	New York, N. Y.	Seattle, Wash.	(¹⁶)	2,224
Marconi ²	16	16	Pan	Domil's Campodonico	Cispatas, Colom	Agua dulce, R. P.	Cattle	36
Salawati ²	16	16	Neth.	Steam Navigation Co.	Amsterdam, Neth	Vancouver, B. C.	Ballast	
Fella ²	16	16	Ital	Italian Line	Trieste, Italy	Vancouver, B. C.	General	1,554
Comol Rico ¹	16	17	Amer.	Commercial Molasses.	Boston, Mass.	Honolulu, T. H.	Ballast	
Amerikaland ²	16	17	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Gen. Wm. M. Graham. ¹¹			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Willrand ⁵			Amer.	D. F. Coeban	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Lochmonar ²	16	17	Brit.	Royal Mail Lines	Rotterdam, Neth.	Portland, Oreg.	General	2,380
Norse Lady ²	16	17	Nor	Odd Godager	Habana, Cuba	Osaka, Japan.	Scrap iron.	4,840

¹ Tanker. ² Motor ship. ⁵ Launch. ¹¹ Mine planter. ¹³ For orders. ¹⁴ Fuel and Diesel oil. ¹⁵ Gasoline, serap. ¹⁶ Steel, general, oil.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line - (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Berganger ²	17	17	Nor.	Interocean S. S. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Columbia Maru ²	17	17	Jap.	Mitsubishi Shoji K.	Pt. Tampa, Fla.	Yokohama, Japan	Phos. rock	8,371
Kiyosumi Maru ²	17	18	Jap.	Kokusai Kisen Kaisha	New York, N. Y.	Yokohama, Japan	Cotton oil	8,259
Pierre L. D. ²	17	18	Fr.	Diamond Fertilizer	Gand, Belgium	Auckland, N. Z.	Fertilizer	8,200
Porto Bello ²	17	17	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
L-53 ⁵	17	17	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Siamese Prince ²	18	18	Brit.	Prince Line, Ltd.	New York, N. Y.	Far East	General	4,061
Imperial ²	17	18	Chile	Cia Sud Amer. de Vap.	Hamburg, Ger.	Valparaiso, Chile	General	771
Nuevo Panama ²	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	620
Cuyama ¹	9	9	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Lisc ^{1 2}	18	18	Nor.	S. Holter-Sorensen	Avonmouth, Eng.	Los Angeles, Cal.	Ballast	
Pacific Grove ²	18	18	Brit.	Furness, Withy & Co.	Manchester, Eng.	Portland, Oreg.	General	538
Maravi	17	18	Pan.	United Fruit Co.	Boston, Mass.	Puntarenas, C. R.	R. R. mat. ¹	1,600
Poricles ^{1 2}	18	18	Nor.	Kawasaki K. Line.	Corpus Ch'ti, Tex.	Yokohama, Japan	Crude oil	11,833
Santore	18	18	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Velox ²	18	19	Nor.	A/S Thor Dahl	Philadelphia, Pa.	S. Francisco, Cal.	Ballast	
Kiyokawa Maru ²	18	19	Jap.	Kawasaki K. Kaisha	New York, N. Y.	Japan	Cotton, gen	7,765
Sambu	17	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tuira ²	17	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real ²	17	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	General	8
Sona ²	17	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Rolling Stone ⁶	18	18	Pan.	Robert Wilcox	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
San Anselmo	18	19	Amer.	Quaker Line	Albany, N. Y.	Seattle, Wash.	General	3,388
Minnesota	18	19	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,199
Point Ancha	19	19	Amer.	Swayne & Hoyt	New Orleans, La.	Seattle, Wash.	General	4,725
Salmonpool	19	19	Brit.	Sir R. Ropner & Co.	Glasgow, Scot.	Vancouver, B. C.	Ballast	
K. R. Kingsbury ¹	19	19	Amer.	Shell Union Oil Co.	Portland, Me.	Los Angeles, Cal.	Ballast	
Fairfield City	19	20	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Singapore, St. Set.	Steel, gen.	6,935
Santa Maria ²	19	20	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile	General	2,333
Munchen ²	19	19	Ger.	North German Lloyd	Hamburg, Ger.	Corral, Chile	General	3,298
Margaret Johnson ³	19	19	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B. C.	Paper, gen.	4,343
Bennekom	19	20	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	1,011
Enoeh ²	19	19	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹³	General	20
Nathan ²	19	19	Pan.	E. J. Hooper	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Thistabrac	19	20	Hond.	United Fruit Co.	New Orleans, La.	Puntarenas, C. R.	General	812
Chile Nit. Sales Corp.	19	20	Brit.	Long Is. Mach. & Eq.	New York, N. Y.	Yawata, Japan	Scrap iron	7,554
Karmt ²	19	20	Nor.	Chile Nit. Sales Corp.	Pensacola, Fla.	Chile	Ballast	
Unicoi ²	20	20	Amer.	Roosevelt S. S. Co.	Philadelphia, Pa.	Adelaide, Aust.	General	3,936
Gypsum Prince	20	20	Brit.	Chile Nit. Sales Corp.	New York, N. Y.	Chile	Ballast	
City of Dieppe	20	20	Brit.	Ellerman & Bucknall	Newp't News, Va.	Sydney, Aust.	General	3,641
Barendrecht ^{1 2}	20	20	Neth.	W. Tanksschiff Rhed'l.	Plymouth, Eng.	Talara, Peru	Ballast	
Lumen ^{1 2}	20	21	Brit.	Standard Oil of N. J.	Rotterdam, Neth.	Richmond, Cal.	Ballast	
Zvir	20	21	J-Slav.	Seaboard Ship. Co.	Rotterdam, Neth.	Brit. Columbia	Ballast	
Dromus ^{1 2}	20	21	Brit.	Anglo-Saxon Pet. Co.	Rouen, France	Los Angeles, Cal.	Ballast	
K. I. Luckenbach	20	21	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	2,778
Sire	20	21	Brit.	Chile Nit. Sales Corp.	Charleston, S. C.	Tocopilla, Chile	Ballast	
Storstad ^{1 2}	21	21	Nor.	Standard Oil of N. J.	Aruba, N. W. I.	Iquique, Chile	Fuel oil	13,475
Ino ²	19	21	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	137
Portmar	21	21	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	6,558
Chilore	21	21	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	General	196
Bogota ²	12	21	Ger.	North German Lloyd	Cristobal, C. Z.	Guayaquil, Ecu.	General	1,540
Frida	20	21	Dan.	Wessel, Duval & Co.	New York, N. Y.	Talcahuano, Chile	General	6,030
Marchen Maersk ²	21	22	Dan.	A. P. Moller	Boston, Mass.	Cebu, P. I.	General	50
Trois Ilets	21	22	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	3,149
Alabama	21	22	Amer.	Amer.-Hawaiian Line	New York, N. Y.	Seattle, Wash.	General	84
Col. Riche ⁵	21	22	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	7,906
Clio ²	21	22	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	84
Stavros	22	22	Greek	Kassos Steam Nav. Co.	Texas City, Tex.	Kobe, Japan	Scrap iron	7,906
Scottish Star	22	22	Brit.	Blue Star Line	Glasgow, Scot.	Vancouver, B. C.	Ballast	
Sorvard ²	22	23	Nor.	Lauritz Kloster	New York, N. Y.	Kobe, Japan	Scrap steel	6,500
Rangitiki ²	23	23	Brit.	N. Z. Shipping Co.	London, England	Lyttleton, N. Z.	General	4,227
Mokihana	23	23	Amer.	Matson Nav. Co.	Baltimore, Md.	Honolulu, T. H.	General	2,662
Cordillera	23	23	Brit.	Donaldson Bros., Black	Glasgow, Scot.	Vancouver, B. C.	General	520
Edgar F. Luckenbach	23	23	Amer.	Luckenbach Line	Houston, Tex.	Tacoma, Wash.	General	6,067
Sandanger ^{1 2}	23	24	Nor.	Calif.-Texas Oil Co.	Newcastle, Eng.	S. Francisco, Cal.	Ballast	
Knoxville City	23	24	Amer.	Isthmian S. S. Lines	Mobile, Ala.	Seattle, Wash.	Steel	6,251
Salvador	17	24	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champico, Guat.	General	416
Thurland Castle ²	23	24	Brit.	Barber Line	New York, N. Y.	Osaka, Japan.	(¹⁴)	5,335
Alynbank ²	23	24	Brit.	Mersey Paper Co.	Liverpool, N. S.	Sydney, Aust.	Newsprint	5,280
Dolius ²	24	24	Brit.	L. I. Mach. & Equip.	New Orleans, La.	Nagoya, Japan	Scrap iron	7,092
Bockenheim	24	24	Ger.	Hamburg-Amer. Line	Houston, Tex.	Japan	Gen. cotton	7,364
Reine D'Arvor ⁶	16	29	Brit.	H. H. Brache	Guernsey, Eng.	Australia	Ballast	
Charles Christenson	24	25	Amer.	Arrow Line	Baltimore, Md.	Tacoma, Wash.	General	2,237
Nuevo Panama ²	24	24	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁵ Launch. ⁶ Yacht. ¹³ For bananas and return to Cristobal.¹⁴ Scrap iron and general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Trontolite ^{1 2} ...	24	25	Brit.	Imperial Oil S. S. Co.	St. John, N. B.	Talara, Peru.	Ballast.	
Colon ² ...	24	25	Pan.	Dom. Campodonico.	Cristobal, C. Z.	Panama, R. P.	Bananas.	
J-26 ⁵ ...	24	25	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Porto Bello ³ ...	24	24	Pan.	A. Tagaropoulos.	Cristobal, C. Z.	Real, R. P.	General.	3
L-53 ⁵ ...	24	25	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Tow barge.	
San Vicente...	23	25	Amer.	Pac.-Atlantic S.S. Co.	Albany, N. Y.	Seattle, Wash.	General.	2,865
Istmo...	24	25	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	700
Hoyanger ² ...	24	25	Nor.	Westfal, Larsen & Co.	Rosario, Arg.	Vancouver, B. C.	General.	6,452
Montanan...	25	25	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	2,153
Tresillian...	25	25	Brit.	Hain S. S. Co.	Barry, England.	Vancouver, B. C.	Ballast.	
Birmingham City.	25	25	Amer.	Isthmian S. S. Lines.	New York, N. Y.	S. Francisco, Cal.	Steel.	7,277
Pereira...	25	26	Pan.	Grace Line.	Cristobal, C. Z.	Balboa, C. Z.	Dredging.	
Dunedin Star ² ...	25	26	Brit.	Blue Star Line.	London, England	N. Plymouth, N.Z.	General.	7,214
Grayburn...	25	26	Brit.	Chile Nit. Sales Corp.	Tampa, Fla.	Tocopilla, Chile.	Ballast.	
Sona ² ...	24	24	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Real ² ...	24	24	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Tuira ² ...	24	24	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Annam ² ...	25	26	Dan.	Mitsui & Co.	New York, N. Y.	Osaka, Japan.	Scrap iron.	9,230
W. H. Berg ¹ ...	25	26	Amer.	Standard Oil of Calif.	Hamburg, Ger.	Los Angeles, Cal.	Ballast.	
Weser ² ...	25	26	Ger.	North German Lloyd.	Hamburg, Ger.	Vancouver, B. C.	General.	3,417
Osorno...	26	27	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General.	4,574
Benjamin Frank- lin. ² ...	26	27	Nor.	Fred Olsen Line.	Oslo, Norway.	Vancouver, B. C.	General.	3,353
Sambu ² ...	24	27	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General.	65
Deroche ¹ ...	27	27	Amer.	Union Oil of Calif.	Paulsboro, N. J.	Los Angeles, Cal.	Ballast.	
Allister...	27	28	Brit.	Texas Oil Co.	Pt. Arthur, Tex.	Puntarenas, C. R.	(14) 820	
Hokkai Maru ² ...	28	28	Jap.	Osaka Syosen Kaisya.	Hamburg, Ger.	Dairen, China.	(15) 7,926	
Rio de Janeiro Maru. ² ...	28	29	Jap.	Osaka Syosen Kaisya.	Buenos Aires, Arg.	Kobe, Japan.	(16) 5,556	
Nourmahal ⁶ ...	28	29	Amer.	Vincent Astor.	New York, N. Y.	Los Angeles, Cal.	Ballast.	
Clio ² ...	27	28	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.	189
City of Los Angeles	28	29	Amer.	Panama Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.	3,301
Lasta...	28	28	Y.-Slav	Chile Nit. Sales Corp.	Barry, England.	Chile.	Ballast.	
San Francisco	28	29	Fr.	French Line.	Havre, France.	Vancouver, B. C.	General.	3,023
Walter A. Luck- enbach.	28	29	Amer.	Luckenbach Line.	Boston, Mass.	Seattle, Wash.	General.	4,424
Tremnard.	28	29	Brit.	Hain S. S. Co.	Cardiff, Wales.	Brit. Columbia	Ballast.	
Herman F. Whiton	28	29	Amer.	Texas Gulf Sulphur Co.	Galveston, Tex.	Tacoma, Wash.	Sulphur.	7,621
Touraine ² ...	28	29	Nor.	W. J. Rountree & Co.	New York, N. Y.	Kobe, Japan.	General.	8,594
Nero ² ...	27	29	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	158
Carolinian...	28	29	Amer.	Amer.-Hawaiian Line.	Bridgeport, Conn.	Seattle, Wash.	General.	3,462
Marymar...	28	29	Amer.	Calmar Line.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,419
Trois Ilets...	27	29	Fr.	French Line.	Cristobal, C. Z.	B'ventura, Col.	General.	72
Col. Riche ⁶ ...	27	29	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Tow barge.	
Sesostriis...	27	29	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Champ'ico, Guat.	General, iron	2,125
Cerigo...	27	29	Ger.	Hamburg-Amer. Line.	Cartagena, Col.	B'ventura, Col.	General.	566
Gypsum Queen.	28	29	Brit.	Chile Nit. Sales Corp.	New York, N. Y.	Chile.	Ballast.	
Minerva ² ...	28	29	Nor.	Chile Nit. Sales Corp.	Mobile, Ala.	Chile.	Ballast.	
Stella Polaris ⁶ ...	29	30	Nor.	Raymond & Whitecomb	Habana, Cuba.	Round the world.	Passengers.	
River Lugar...	28	29	Brit.	Ayrshire Nav. Co.	Barry, England.	Vancouver, B. C.	Ballast.	
Nordvest ² ...	28	30	Dan.	Kawasaki K. Kaisha	Baltimore, Md.	Kobe, Japan.	General.	7,241
Camden ¹ ...	28	30	Amer.	Shell Oil Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast.	
D. G. Seofield ¹ ...	29	30	Amer.	Shell Union Oil Co.	Fall River, Mass.	Los Angeles, Cal.	Ballast.	
Firby...	29	30	Brit.	Ropner Shipping Co.	Cardiff, Wales.	Vancouver, B. C.	Ballast.	
Hindanger ² ...	29	30	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.	
Santa Rita ² ...	29	30	Amer.	Grace Line.	New York, N. Y.	Chauaral, Chile	General.	2,436
Rothermere...	29	30	Brit.	Donaldson Bros. Black	Glasgow, Scot.	Balboa, C. Z. ¹³	Ballast.	
Oklahoman...	30	30	Amer.	Amer.-Hawaiian Line.	New York, N. Y.	Seattle, Wash.	General.	3,745
Philante ⁶ ...	30	31	Brit.	T. O. M. Sopwith	S'ampton, Eng.	Balboa, C. Z.	Ballast.	
Ferncourt ^{1 2} ...	30	30	Nor.	Petrofina.	Dunkerque, Fr.	Talara, Peru	Ballast.	
Texas Sun ^{1 2} ...	30	31	Amer.	Sun Oil Co.	Perth Amboy, N.J.	Los Angeles, Cal.	Ballast.	
Mostun ² ...	30	31	Nor.	Neptune Shipping Co.	Liverpool, Eng.	Seattle, Wash.	Ballast.	
Pereira...	27	31	Pan.	Grace Line.	Cristobal, C. Z.	Champ'ico, Guat.	General.	549
Service No. 2 ⁶ ...	30	31	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Colon ² ...	30	31	Pan.	Dom. Campodonico	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Porto Bello ³ ...	30	31	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General.	3
Charles H. Cramp	30	31	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Tacoma, Wash.	Steel, gen.	4,136
Hellen...	30	31	Nor.	Chile Nit. Sales Corp.	Charleston, S. C.	Chile.	Ballast.	
Wildwood...	30	31	Amer.	McCormick S. S. Co.	Norfolk, Va.	Los Angeles, Cal.	General.	3,064
Kaimata ² ...	31	31	Brit.	Mont.-Aust.-N.Z. Line	Halifax, N. S.	Bluff, N. Z.	General.	2,856
Mount Taurus...	31	31	Greek	Longs. Mach. & Equip.	Baltimore, Md.	Kobe, Japan.	Scrap iron.	8,500
Opawa ² ...	31	1	Brit.	N. Z. Shipping Co.	Liverpool, Eng.	Auckland, N. Z.	General.	7,670
Istmo...	30	1	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	7,750
Bahrein ¹ ...	31	1	Pan.	Standard Oil of Calif.	Rouen, France.	Los Angeles, Cal.	Ballast.	
Peebles ² ...	31	1	Brit.	Canadian Transp. Co.	Rotterdam, Neth.	Brit. Columbia	Ballast.	
City of Dalhart ² ...	31	1	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Shanghai, China.	General.	3,267
Delhi ² ...	31	1	Swed.	Svenska O. Kompaniet	New York, N. Y.	Kobe, Japan.	Scrap iron.	7,140

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁵ Launch. ⁶ Yacht. ¹³ For orders. ¹⁴ Gasoline and petroleum products. ¹⁵ General and automobile parts. ¹⁶ General, wool, hides, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Nuevo Panama ²	31		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Pajala ²	31	1	Swed.	T. A. B. Grangesberg.	Baltimore, Md.	Vancouver, B. C.	Ballast	
Moldanger ²	31	1	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Komata	1	12	Brit.	Union S.S. Co. of N. Z.	Glasgow, Scotland	Wellington, N. Z.	Coal, steel	1,882
Arizona	31	12	Fr.	French Line	Havre, France	Valparaiso, Chile	Iron, general	2,234
Kaituma ²	1	12	Brit.	Trinder, Anderson Co.	Philadelphia, Pa.	Adelaide, Aust.	General	4,459
Mabriton	1	12	Brit.	R. Chapman & Son	Newport, Eng.	Vancouver, B. C.	Ballast	
Sambu ²	31	12	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real ²	31		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tuira ²	31		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Pirre ²	31		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona ²	31		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Lieut. Col. H. C. Schumm. ⁴			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow. targe.	
L-53 ⁵			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
J-71 ⁵			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
H. D. Collier ¹	1	2	Amer.	Standard Oil of Calif.	Providence, R. I.	Los Angeles, Cal.	Ballast	
Santa Lucia	1	2	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,856
Hegira	2	2	Amer.	Weyerhaeuser S.S. Co.	New York, N. Y.	Seattle, Wash.	(¹⁴)	6,656
Swiftpool	2	2	Brit.	Sir R. Ropner & Co.	Cardiff, Wales	Vancouver, B. C.	Ballast	
Trevanion ²	2	2	Brit.	Hain S. S. Co.	Liverpool, Eng.	Vancouver, B. C.	Ballast	
Honolulan	2	2	Amer.	Amer.-Hawaiian Line.	Wilmington, N. C.	S. Francisco, Cal.	Steel, autos	1,030
Bethore	2	2	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Janeta	12	2	Brit.	MacLay & McIntyre.	Rotterdam, Neth.	Brit. Columbia	Ballast	
Kongsdal ^{1 2}	2	2	Nor.	Standard Oil of N. J.	Glasgow, Scotland	Talara, Peru	Ballast	
Bradlyne	2	2	Brit.	Mitsubishi Shoji K.	Houston, Tex.	Yokohama, Japan	Scrap steel	8,009
Service No. 1 ⁵			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Telde	2	3	Hond.	United Fruit Co.	New Orleans, La.	San Jose de Guat.	General	70
Dresden ²	2	3	Ger.	North German Lloyd.	Hamburg, Ger.	Valparaiso, Chile	General	3,814
Utahan	2	3	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Portland, Oreg.	Gen., steel	2,623
Rotula ^{1 2}	2	3	Neth.	La Corona	Amsterdam, Neth.	Los Angeles, Cal.	Ballast	
Cambridge	3	4	Brit.	Fed. Steam Nav. Co.	Liverpool, Eng.	New Zealand	Ballast	
Svealand ²	3	4	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
San Bernardino	1	4	Amer.	States S. S. Corp.	New York, N. Y.	Tacoma, Wash.	General	2,220
Epaminondas C. Embiricos	2	4	Greek.	C. Embiricos	Newcastle, Eng.	Vancouver, B. C.	Ballast	
Drecht dyk ²	2	4	Neth.	Holland-Amer. Line.	Rotterdam, Neth.	Vancouver, B. C.	General	1,473
Edward Luckenbach.	3	4	Amer.	Luckenbach Line.	Boston, Mass.	Tacoma, Wash.	General	3,482
Nagara Maru ²	3	4	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Kobe, Japan	(¹⁵)	7,750
Ardanbhan	3	4	Brit.	Ross T. Smith & Co.	Barry, England.	U. S. Pac. port.	Ballast	
Steel Voyager	4	4	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Hilo, T. H.	(¹⁶)	1,402
President Garfield	4	4	Amer.	Amer. President Lines	New York, N. Y.	Round the world.	Gen., paper	3,422
Flomar	4	4	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	3,885
Nero ²	3	4	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	180
Laila	4	4	Dan.	Wessel, Duval & Co.	Baltimore, Md.	Taleahuan, Chile	General	2,363
City of San Francisco.	4	5	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General	2,812
Mataroa	4	5	Brit.	Shaw, Savill & Albion	London, England	Auckland, N. Z.	General	6,903
Adamantos.	4	5	Greek.	Hasegawa Boeki, Ltd.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Pacific Shipper ²	4	5	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General	662
Mollia II ⁵			Amer.	E. N. Brown	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Torvanger	4	5	Nor.	Chile Nit. Sales Corp.	Alexandria, Egypt	Chile	Ballast	
Vagabondia ⁶	5	5	Amer.	Wm. L. Mellon	Miami, Fla.	Magallanes, Chile	Ballast	
King Edwin ²	5	5	Brit.	J. J. Moore & Co.	Belfast, Ireland.	Vancouver, B. C.	Ballast	
Ino ²	5	5	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	102
Texan.	5	5	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General	2,705
No. 9506 ⁵			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Lagarto ²	5	6	Brit.	Pacific Steam Nav. Co.	Hull, England.	Valparaiso, Chile	General	2,114
Nuevo Panama ⁵	5	6	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Aobasan Maru ²	6	6	Jap.	Mitsui Bussan Kaisha	New York, N. Y.	Moji, Japan.	Gas., rosin	8,742
Sage Brush	6	6	Amer.	Shepard S. S. Co.	Boston, Mass.	Seattle, Wash.	General	3,900
O. A. Brodin.	6	7	Swed.	Rhederi A. B. Kare	Tampico, Mexico	Corinto, Nic.	Asphalt	1,181
Bronxville ²	6	6	Nor.	Fern Line.	New Orleans, La.	Haiphong, China.	(¹⁷)	7,119
Alaska	6	6	Nor.	Canadian Transp. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Colon ²	5	7	Pan.	Dom. Campodonicio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Pirre ²	5	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Buenos Aires ²	6	7	Swed.	Johnson Line	Goth'burg, Swed.	Valparaiso, Chile	General	2,141
Acadia ²	6	7	Nor.	Maersk Line	Norfolk, Va.	Manila, P. I.	General	6,056
Istmo	6	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	715
Wyvern	6	7	Nor.	Mitsui & Co.	Cristobal, C. Z.	B'ventura, Col.	General	5,606
Kongo Maru ²	6	7	Jap.	Kokusai K. Kaisha.	Pensacola, Fla.	Muroran, Japan.	Scrap steel	8,339
Gretnavale	7	7	Brit.	Chile Nit. Sales Corp.	Baltimore, Md.	Tokuyama, Japan	Oil, copper	
Europa ²	7	7	Dan.	East Asiatic Co.	Tyne, England	Chile	Ballast	
Patric.	7	7	Ger.	Hamburg-Amer. Line.	Copenhagen, Den.	Vancouver, B. C.	(¹⁸)	450
Acapulco.	31	8	Brit.	Pacific Steam Nav. Co.	Hamburg, Ger.	Valparaiso, Chile	General	3,678
Trois Ilets	4	8	Fr.	French Line	Cristobal, C. Z.	Champ'co, Guat.	General	239
					Cristobal, C. Z.	B'ventura, Col.	Ballast	

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ⁶ Yacht. ¹⁴ Coal, oil, general. ¹⁵ Steel bar, copper. ¹⁶ Automobiles, general, steel. ¹⁷ Cotton, lubricating oil, etc. ¹⁸ Peat moss, oil, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Chickasaw City	7	8	Amer.	Isthmian S. S. Lines.	Portland, Me.	Seattle, Wash.	(14)	3,741
Harpalyceus	7	8	Brit.	State Marine Corp.	Pt. Tampa, Fla.	Yawata, Japan	Scrap steel.	8,201
Porto Bello	7	8	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General.	3
P-14	7	8	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
San Clemente	6	8	Amer.	Quaker Line	New York, N. Y.	Tacoma, Wash.	General.	2,431
Boren	7	8	Swed.	Transatlantic S. S. Co.	Hopewell, Va.	James Is., B. C.	Nit. of soda	893
Eurybates	7	8	Brit.	Ocean S. S. Co.	New York, N. Y.	Osaka, Japan.	General.	5,530
Gripsholm	7	8	Swed.	Swedish-Amer. Line	New York, N. Y.	Valparaiso, Chile.	Passengers	
Kirkpool	7	8	Brit.	Bulk Carriers Corp.	Cardiff, Wales	Columbia River.	Ballast	
Quito	26	8	Ger.	North German Lloyd.	Cristobal, C. Z.	Guayaquil, Ecua.	General.	445
Daley	7	8	Brit.	Sir R. Ropner & Co.	Rotterdam, Neth.	Portland, Oreg.	Ballast	
Barneveld	7	8	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General.	3,441
Sumar	6	8	Amer.	Mrs. S. M. Whitney	Miami, Fla.	Valparaiso, Chile.	Ballast	
Rajahstan	7	8	Brit.	Common Bros., Ltd.	Norfolk, Va.	Vancouver, B. C.	Ballast	
Robert Luckenbach	7	8	Amer.	Luckenbach Line	Tampa, Fla.	Tacoma, Wash.	General.	7,141
Holystone	7	9	Brit.	Northumbrian S.S. Co.	St. Thomas, V.I.	Vancouver, B. C.	Ballast	
Ramon de Larrinaga	7	9	Brit.	Canadian Transp. Co.	London, England	Vancouver, B. C.	Ballast	
Tuira	7		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real	7		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona	7		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Gen. Wm. M. Graham ¹¹			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Victoria City	8	9	Brit.	States Marine Corp.	Mobile, Ala.	Osaka, Japan.	Metal, cotton	8,000
Yamazato Maru	8	9	Jap.	Yamashita Line	Buenos Aires, Arg.	Kobe, Japan	General.	6,104
Appledore	8	9	Brit.	Anglo-Can. S. S. Co.	Hartlepool, Eng.	Portland, Oreg.	Ballast	
Dakotan	8	9	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	3,048
Tropie Star	8	9	Nor.	Chile Nit. Sales Corp.	Lake Charles, La.	Tocopilla, Chile.	Ballast	
Santa Barbara	9	10	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General.	3,407
Salinas	9		Amer.	U. S. Navy	Houston, Tex.	Balboa, C. Z.	Fuel oil	9,251
Marathon	8	10	Greek.	A. Lusi, Ltd.	Philadelphia, Pa.	Kobe, Japan	Scrap iron	8,700
Point Chico	9	10	Amer.	Gulf-Pacific Line	Houston, Tex.	Seattle, Wash.	General.	5,350
Beaconsfield	9	10	Brit.	Mitsubishi Line	Beaumont, Tex.	Osaka, Japan.	Scrap iron	8,210
Tai Ping Yang	9	10	Nor.	Barber-Wilhelmsen	New York, N. Y.	Osaka, Japan.	(15)	6,769
Sambu	7		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm's, R.P.	Gen., gas.	90
Penelopi	9	10	Pan.	Co. de Nav., Ltd.	Barry, England.	Seattle, Wash.	Ballast	
Tosca	9	10	Nor.	Chile Nit. Sales Corp.	Flushing, Neth.	Chile.	Ballast	
Lebec	9		Amer.	Shell Oil Co.	Curacao, N.W.I.	Balboa, C. Z.	Fuel oil	10,211
Port Nicholson	9	10	Brit.	Port Line	England	Adelaide, Aust.	General.	5,213
Pollack	8	10	Amer.	U. S. Navy	Gonaives, Haiti.	San Diego, Cal.	Ballast	
Plunger	8	10	Amer.	U. S. Navy	Gonaives, Haiti.	San Diego, Cal.	Ballast	
Tasmania	10	10	Dan.	Kawasaki K. Kaisha	New York, N. Y.	Yokohama, Japan	(16)	2,874
Rialto	9	11	Ital.	Italia.	Trieste, Italy	Vancouver, B. C.	General.	1,461
Oregon Express	10	11	Nor.	Fruit Express Line	Glasgow, Scotland	N. Angeles, Cal.	Ballast	
Petrolite	10	11	Brit.	Tropical Oil Co.	Barranquilla, Col.	B'ventura, Col.	Pet. prod.	1,410
Hefron	10	11	Amer.	Weyerhaeuser S.S. Co.	Newark, N. J.	Tacoma, Wash.	General.	2,323

PACIFIC TO ATLANTIC

Franz Klasen	1	2	10	11	Pan.	W. Tanskchiff Rhed'i	Talara, Peru	Hamburg, Ger.	Mineral oil.	17,164
Seattle	2		11	12	Ger.	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	General.	7,852
Abraham Lincoln	2		10	12	Ger.	Fred Olsen & Co.	Vancouver, B. C.	Oslo, Norway	General.	8,249
Ulm	2		10	11	Nor.	North German Lloyd.	Seattle, Wash.	Hamburg, Ger.	Fresh fruit.	1,522
Santa Rita	2		10	12	Amer.	Grace Line	Chauaral, Chile.	New York, N. Y.	(17)	3,330
Koranton			10	11	Brit.	R. Chapman & Son.	Vancouver, B. C.	Hull, England	Grain	9,579
Memphis City			11	11	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	5,752
Nyhaug	2		11	11	Nor.	Continental Grain Co.	Portland, Oreg.	Vera Cruz, Mex.	Wheat.	6,082
Salacia	2		11	12	Brit.	Dandelson Bros., Black	Victoria, B. C.	Glasgow, Scot.	General.	6,973
Peter Kerr			11	12	Amer.	States S. S. Co.	Los Angeles, Cal.	Philadelphia, Pa.	Lumber, gen.	9,066
Tasmania	2		11	13	Dan.	Kawasaki K. Kaisha	Kobe, Japan	New York, N. Y.	General.	1,118
Bogota	2		12	12	Ger.	North German Lloyd.	Guayaquil, Ecua.	Cristobal, C. Z.	(18)	827
Nero	2		12	15	Neth.	Royal Neth. S. S. Co.	Tumaco, Colomb.	Cristobal, C. Z.	Coffee.	377
Isthmian			12	12	Amer.	Amer.-Hawaiian Line.	Astoria, Oreg.	Baltimore, Md.	Lumber, gen.	7,349
Royal Crown			11	12	Brit.	Anglo-Can. S. S. Co.	Pt. Alberni, B. C.	Liverpool, Eng.	General.	7,865
Romanby			11	12	Brit.	Seaboard Ship. Co.	Wood Fibre, B. C.	Philadelphia, Pa.	Lum., pulp.	7,229
Harry Luckenbach			12	12	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General.	8,710
Marconi	2		12	12	Pan.	B. Campodonio	Panama, R. P.	Cristobal, C. Z.	Horses.	4
Bethore			13	14	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,200
Ramsay			12	15	Brit.	Col. Sugar Ref. Co.	Suva, Fiji Is.	Lands End	Sugar	7,558
Ino	2		12	15	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, hides	319
California Standard	1	2	12	15	Pan.	Foreign Tankship Corp	El Segundo, Cal.	Hull, England	Gasoline.	15,269
Cromarty	2		13	15	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	Devonport, Eng.	Lum., barley	7,974
Trois Ilets	2		13	15	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee.	335

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁶ Launch. ⁶ Yacht. ⁷ Submarine. ¹¹ Mine planter.
¹³ For orders. ¹⁴ General, steel products. ¹⁵ General, scrap iron. ¹⁶ General, scrap steel. ¹⁷ Copper, coffee, bananas.
¹⁸ Wood, cafe, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Carica Milica	13	15	J-Slav.	Anglo-Can. S. S. Co.	Pt. Tahsis, B. C.	Liverpool, Eng.	Wheat, lum.	9,100
Lancaster	13	15	Amer.	Weyerhaeuser S.S. Co.	Seattle, Wash.	Norfolk, Va.	Lumber, gen.	9,060
Porto Bello ²	14	14	Pan	A. Tagaropoulos.	Darien, R. P.	Colon, R. P.	(14)	9
Ruperra	13	15	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Avonmouth, Eng.	Grain, lum.	7,800
Willmott ²	13	15	Amer.	Arrow Line.	Portland, Oreg.	Baltimore, Md.	Lumber	6,987
Montgomery City	13	15	Amer.	Isthmian S. S. Lines.	Vancouver, B. C.	Avonmouth, Eng.	General.	8,088
Mahimahi	14	15	Amer.	Matson Nav. Co.	Kaunapali, T. H.	Baltimore, Md.	(15)	8,713
Ceres	14	15	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General.	4,037
Leipzig ²	14	15	Ger.	North German Lloyd.	Corral, Chile	Hamburg, Ger.	General.	6,355
Floridan	14	15	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General.	6,937
Belnor ²	14	15	Nor.	Belships Co., Ltd.	Vancouver, B. C.	Bridgetown, Bar.	Lumber, gen.	3,630
Lebec ²	14	15	Amer.	Shell Union Oil Co.	Los Angeles, Cal.	Bayonne, N. J.	Fuel oil.	9,729
Darlington Court ²	15	16	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	Chatham, Eng.	Wheat, lum.	8,450
Falcon	16	16	Amer.	Grace Line.	San Antonio, Chile	Baltimore, Md.	Nit. of soda	3,600
California Express ²	16	16	Nor.	Fruit Express Line.	N. West'm'r, B. C.	Glasgow, Scot.	Fresh fruit.	1,747
Svealand ²	15	16	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore.	21,700
Istmo	16	18	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	389
H. D. Collier ¹	16	16	Amer.	Standard Oil of Calif.	Los Angeles, Cal.	Baltimore, Md.	Furnace oil.	11,641
Martin Bakke ²	16	16	Nor.	Knutsen Line.	Vancouver, B. C.	Cardiff, Wales	Lumber, gen.	7,756
Yanabiko Maru	16	17	Jap.	Yamashita K. Kaisha	Tsingtao, China.	Buenos Aires, Arg.	Silk, gen.	3,649
Peru ²	16	17	Swed.	Johnson Line.	Vancouver, B. C.	Stockholm, Swed.	General.	5,784
Pacific Reliance ²	17	17	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General.	8,066
City of San Francisco	16	17	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General.	4,026
Republic ⁸	16	18	Amer.	U. S. Army	Honolulu, T. H.	New York, N. Y.	General.	836
Southgate	17	17	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores ¹³	Nitrate	8,500
Salvador	17	23	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	General.	752
Santa Lucia	17	18	Amer.	Grace Line.	San Antonio, Chile	New York, N. Y.	General.	6,049
Nuevo Panama ²	17	18	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	81
Orduna	17	18	Brit.	Pacific Steam Nav. Co.	Valparaiso, Chile.	Liverpool, Eng.	(16)	7,620
Harpagon	17	17	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	Providence, R. I.	Lumber	8,500
Awata Maru ²	17	17	Jap.	Nippon Yusen Kaisya	Yokohama, Japan	Hamburg, Ger.	General.	6,405
Sambu ²	17	18	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	45
Real ²	17	18	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	37
Sona ²	17	18	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	30
Tuira ²	17	18	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	53
Wyoming	18	19	Fr.	French Line.	Astoria, Oreg.	Rotterdam, Neth.	Fruits, gen.	8,220
Akaroa	18	18	Brit.	Shaw, Savill & Albion	Lyttleton, N. Z.	London, England	Frozen, gen.	6,077
Tropic Star	18	18	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	New Orleans, La.	Nitrate	8,330
Germa	18	18	Nor.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Cardiff, Wales	Grain, lum.	6,836
Nevadan	18	19	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General.	7,977
Gaelic Star	18	19	Brit.	Blue Star Line.	N. West'm'r, B. C.	Liverpool, Eng.	Frozen, gen.	4,063
Naumburg	18	19	Ger.	Hamburg-Amer. Line.	Pt. Pirie, Aust.	Hamburg, Ger.	(17)	5,452
Olympia Maru ²	19	19	Jap.	Mitsubishi Shoji K.	Kobe, Japan	Hamburg, Ger.	Soy beans.	8,526
Vibran	19	19	Nor.	Knutsen Line.	Vancouver, B. C.	Cardiff, Wales	Fresh fruit.	1,998
Cerigo	19	21	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecu.	Cristobal, C. Z.	(18)	618
Ino ²	19	21	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides.	425
Point Brava	19	20	Amer.	Swayne & Hoyt	Seattle, Wash.	Tampa, Fla.	General.	5,948
Tomislav	19	20	J-Slav.	Chile Nit. Sales Corp.	Iquique, Chile.	Azores ¹³	Nitrate	8,097
Este	20	20	Ger.	North German Lloyd.	Victoria, B. C.	Hamburg, Ger.	Fruit, gen.	9,679
Krossfonn ^{1 2}	20	20	Nor.	Pechelbronn, Paris	La Libertad, Ecu.	Donges, France.	Crude oil.	13,443
Cuyama ¹	18	20	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Jacob Luckenbach.	20	20	Amer.	Luckenbach Line.	Portland, Oreg.	Tampa, Fla.	General.	5,145
Trois Ilets	20	21	Fr.	French Line.	B'ventura, Col.	Cristobal, C. Z.	Coffee	245
Tekoa	20	21	Brit.	N. Z. Shipping Co.	Auckland, N. Z.	Glasgow, Scot.	Frozen, gen.	7,372
Norden ²	20	21	Dan.	Kawasaki K. Kaisha	Hoilo, P. I.	New York, N. Y.	Sugar, gen.	6,534
Chattanooga City	20	21	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Baltimore, Md.	(19)	6,127
Alabama	21	21	Fr.	French Line.	Valparaiso, Chile.	Liverpool, Eng.	General.	8,207
Clio ²	21	22	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(20)	305
Komaki Maru ²	21	21	Jap.	Kokusai Kisen Kaisya	Manila, P. I.	New York, N. Y.	General.	9,270
Texmar	21	21	Amer.	Caltmar S. S. Corp.	Seattle, Wash.	Philadelphia, Pa.	Lumber.	7,360
Wearpool ²	21	21	Brit.	Sir R. Ropner & Co.	Vancouver, B. C.	Belfast, Ireland.	Wheat.	8,595
Porto Bello ²	20	21	Pan.	A. Tagaropoulos.	Darien, R. P.	Colon, R. P.	(14)	13
Columbian	22	22	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	4,481
Trehata	22	22	Brit.	Hain S. S. Co.	Vancouver, B. C.	Cobb, Ireland ¹³	Wheat.	8,148
Rokos Vergottis.	22	22	Greek.	Dingwall Cotts & Co.	Vancouver, B. C.	London, England	Wheat, lum.	7,505
Granton	22	22	Brit.	Empire Shipping Co.	Vancouver, B. C.	Hull, England.	(21)	8,795
Fernwood ²	22	23	Nor.	Fearnley & Eger	Mambaguid, P. I.	Philadelphia, Pa.	Sugar.	7,800
Ida Bakke ²	22	23	Nor.	Knutsen Line.	Vancouver, B. C.	Glasgow, Scot.	General.	7,301
Istok	22	23	J-Slav.	Seaboard Ship. Co.	N. West'm'r, B. C.	Leith, Scotland.	(22)	8,806
Marore	23	23	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore.	21,800
Nonsuco ²	23	23	P. I.	N. Negros Sugar Co.	Manila, P. I.	New York, N. Y.	General.	8,058
Bryne ²	23	23	Nor.	Canadian Transp. Co.	Vancouver, B. C.	Plymouth, Eng.	Lumber, gen.	6,460
Panamam	23	23	Amer.	Amer.-Hawaiian Line.	Tacoma, Wash.	Boston, Mass.	General.	6,569
Wind Rush	23	23	Amer.	Shepard S. S. Co.	Astoria, Oreg.	N. London, Conn.	Lumber, gen.	7,491

¹ Tanker. ² Motorship. ⁸ Transport. ¹³ For orders. ¹⁴ Lumber, plantains. ¹⁵ Canned pineapples, general. ¹⁶ Copper, tin, general. ¹⁷ Lead, wool, hides. ¹⁸ Copper, hides, rubber. ¹⁹ Lumber, pulp, general. ²⁰ Coffee, tagua, balsa. ²¹ Wheat, barley, oats. ²² Lead, wheat, lumber.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Santa Clara Valley ²	23	23	Brit.	Reardon Smith Line.	Vaneouver, B. C.	London, England	Wheat, oats.	8,140
Villanger ²	23	24	Nor.	Interocean S. S. Co.	Vaneouver, B. C.	Rotterdam, Neth.	General.	7,647
Clausina ^{1 2}	23	24	Neth.	Shell Oil Co.	Los Angeles, Cal.	Lands End ¹⁴ .	(15)	10,949
Port Huon ²	20	24	Brit.	Port Line, Ltd.	Auekland, N. Z.	London, England	(16)	7,322
Harbledown.	23	24	Brit.	Canadian Transp. Co.	S. Francisco, Cal.	Grangem h, Scot.	Barley, lum.	8,475
Istmo.	23	25	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee.	195
Colon ²	23	24	Pan.	Domiluis Campodon'o	Darien, R. P.	Cristobal, C. Z.	Bananas	36
City of Norfolk.	23	24	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General.	
Nuevo Panama ²	24	24	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	104
Santa Barbara ²	24	24	Amer.	Grace Line.	San Antonio, Chile	New York, N. Y.	(17)	4,073
Ville D'Amiens.	24	25	Fr.	Messageries Marit'es.	Noumea, N. Caled	Marseille, France	Copra, gen.	4,484
Nozima Maru ²	24	25	Jap.	Nippon Yusen Kaisha	Hilo, P. I.	New York, N. Y.	Oil, general.	5,458
Paul Luckenbach.	24	24	Amer.	Luekenbaeh Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,100
Pereira.	24	25	Pan.	Grace Line.	Champ'ico, Guat.	Cristobal, C. Z.	Gen., logs.	990
West Camargo.	24	25	Amer.	McCormick S. S. Co.	Seattle, Wash.	Buenos Aires, Arg.	Lumber, gen.	6,515
Real ²	24	25	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	34
Sona ²	24	25	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	32
Sambu ²	24	26	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	53
Taura ²	24	25	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	54
Loosdrecht ^{1 2}	25	25	Neth.	Phs. Van Ommeren	Los Angeles, Cal.	Hamburg, Ger.	Gasoline.	13,941
Hanley.	25	25	Amer.	Weyerhaeuser S. S. Co	Seattle, Wash.	Newark, N. J.	(18)	10,539
Helga.	25	26	Dan.	J. Lauritzen.	Valparaiso, Chile.	New York, N. Y.	Nit., lintels.	2,650
Kaipara ²	25	26	Brit.	M. A. N. Z. Line.	Lyttleton, N. Z.	Halifax, N. S.	(19)	2,417
Trebartha.	25	30	Brit.	Hain S. S. Co.	Townsville, Aust.	St. Johns, N. B.	Sugar.	7,187
Arizonan.	25	26	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	7,720
Lebore.	26	26	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore.	21,300
Dinteldijk ²	26	27	Neth.	Holland-Amer. Line.	Victoria, B. C.	Rotterdam, Neth.	Fruit, gen.	9,888
Tai Yang ²	25	27	Nor.	Barber Line.	Victoria, P. I.	Norfolk, Va.	General.	7,531
Quito ²	26		Ger.	North German Lloyd.	Guayaquil, Ecua.	Cristobal, C. Z.	(20)	677
O. A. Knudsen ^{1 2}	26	26	Nor.	Anglo-Saxon Pet. Co.	S. Francisco, Cal.	Curacao, N. W. I.	Gasoline	15,369
Susan V. Luckenbach.	26	26	Amer.	Luekenbaeh Line.	Everett, Wash.	New York, N. Y.	General.	6,865
Clio ²	26	28	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	(21)	507
Gen. Wm. M. Graham. ¹¹	26		Amer.	U. S. Army.	Balboa, C. Z.	Cristobal, C. Z.		
P-14 ⁵	26		Amer.	U. S. Army.	Balboa, C. Z.	Cristobal, C. Z.	Ballast.	
Azumasan Maru ²	26	27	Jap.	Mitsui & Co.	Los Angeles, Cal.	New York, N. Y.	General.	7,967
Madoera ²	26	27	Neth.	Pac. Java Bengal	Vaneouver, B. C.	Caleutta, India.	General.	8,220
W. S. Miller ¹	27	27	Amer.	Standard Oil of Calif.	Los Angeles, Cal.	Providence, R. I.	Furnace oil.	9,564
Olga E. Embrieos	27	27	Greek.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Manchester, Eng.	Grain, lum.	7,600
San Felipe.	27	27	Amer.	Pac.-Atlantic S. S. Co.	Portland, Oreg.	New York, N. Y.	Lumber, gen.	6,185
Canada ²	27	27	Dan.	East Asiatic Co.	Vaneouver, B. C.	Copenhagen, Den.	General.	9,446
Evagoras.	27	27	Brit.	Seaboard Ship. Co.	N. West'er, B. C.	Philadelph, Pa.	Lum., pulp.	7,400
Santos ²	27	27	Swed.	Johnson Line.	Valparaiso, Chile.	Stockholm, Swed.	General.	5,944
Nero ²	27	28	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	(22)	241
Pereira. ¹³	27	30	Pan.	Grace Line.	Balboa, C. Z.	Cristobal, C. Z.	Ballast.	
Trois Ilets.	27	28	Fr.	French Line.	B'ventura, Col.	Cristobal, C. Z.	Coffee.	176
Zannis L. Cambanis.	27	28	Greek.	Anglo-Can. S. S. Co.	Vaneouver, B. C.	London, England	Wheat, lum.	7,330
Chloe.	27	28	Greek.	Seaboard Ship. Co.	Vaneouver, B. C.	Hull, England.	Wheat, lum.	8,080
Porto Bello ²	27	28	Pan.	A. Tagarapulos.	Darien, R. P.	Colon, R. P.	(23)	8
Morwiken ²	27	28	Nor.	"K" Line.	Sieshin, Korea.	Galveston, Tex.	General.	2,691
W. R. Keever.	28	28	Amer.	Dutton Lumber Corp.	Seattle, Wash.	Camden, N. J.	Lumber.	7,500
Tacoma.	28	29	Ger.	Hamburg-Amer. Line.	Vaneouver, B. C.	Hamburg, Ger.	(24)	8,322
Barendrecht ²	28	28	Neth.	W. Tanksschiff Rhed'.	Talara, Peru.	Rotterdam, Neth.	Gasoline.	13,763
Chaumont ⁸	27	30	Amer.	U. S. Navy.	S. Francisco, Cal.	Norfolk, Va.	Navy stores.	581
Tacoma Star.	28	29	Brit.	Blue Star Line.	N. West'er, B. C.	Liverpool, Eng.	Frozen, gen.	5,823
Frumenton.	28	29	Brit.	Anglo-Can. S. S. Co.	Vaneouver, B. C.	London, England	Grain.	11,190
Beneruachan.	28	29	Brit.	G. H. Seales, Ltd.	Pictou, N. Z.	London, England	Wool.	3,200
Maravi.	28	29	Pan.	United Fruit Co.	Puntarenas, C. R.	Boston, Mass.	Ballast.	
Thorstrand ²	28	29	Nor.	Fred Olsen Line.	Seattle, Wash.	Rotterdam, Neth.	(25)	1,301
Nurnberg ²	28	29	Ger.	North German Lloyd.	Valparaiso, Chile.	Bremen, Ger.	General.	6,688
Penmar.	28	29	Amer.	Calmar Line.	Seattle, Wash.	Baltimore, Md.	Lum., copper	6,423
Trondanger ²	29	29	Nor.	Interocean S. S. Co.	Vaneouver, B. C.	Rotterdam, Neth.	Grain, gen.	8,318
Virgilio ²	29	30	Ital.	Italian Line.	Valparaiso, Chile.	Genoa, Italy.	General.	2,651
Amicus.	29	30	Brit.	Chile Nit. Sales Corp.	Iquique, Chile.	Azores ¹⁴ .	Nit. of pot.	6,050
Boulderpool.	29	30	Brit.	Canadian Transp. Co.	Vaneouver, B. C.	Newcastle, Eng.	Wheat, lum.	8,000
Goslar.	29	30	Ger.	North German Lloyd.	Pt. Chalmers, N. Z.	Bremen, Ger.	(26)	7,001
Point Caleta.	29	30	Amer.	Swayne & Hoyt.	Seattle, Wash.	New Orleans, La.	Lumber, gen.	7,192
Colon ²	29	30	Pan.	Dom. Campodonieo.	Darien, R. P.	Cristobal, C. Z.	Bananas.	32
Nathan ⁵	29	30	Pan.	E. J. Hooper.	Bayano, R. P.	Cristobal, C. Z.	Balsa wood.	1
Missourian ²	29	30	Amer.	Amer.-Hawaiian Line.	Tacoma, Wash.	Boston, Mass.	General.	6,732
Anniston City.	29	30	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Avonmouth, Eng.	(27)	7,359
Corabella.	30	30	Brit.	Anglo-Can. S. S. Co.	Victoria, B. C.	London, England	(27)	8,152
Santa Inez ²	30	30	Amer.	Grace Line.	Chanaral, Chile.	New York, N. Y.	General.	3,277

¹ Tanker. ² Motor ship. ⁵ Launch. ⁸ Transport. ¹¹ Mine planter. ¹³ Came south for drydocking only.¹⁴ For orders. ¹⁵ Kerosene, iso octane. ¹⁶ Frozen, wool, general. ¹⁷ Copper, coffee, general. ¹⁸ Lumber, pulp, fish oil.¹⁹ Wool, pelts, general. ²⁰ Hides, wool, general. ²¹ Coffee, hides, bottles. ²² Coffee, tagua, hides. ²³ Plantains, lumber. ²⁴ Borax, fruit, general. ²⁵ Fresh fruit, eggs. ²⁶ Ore, flour, wool. ²⁷ Grain, lumber, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Istmo	29	31	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	198
Baarn	30	30	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	7,735
Sessa	30	31	Dan.	Wessel, Duval & Co.	Valparaiso, Chile	New York, N. Y.	General	2,650
Canadian Reefer ²	30	31	Dan.	J. Lauritzen	Seattle, Wash.	Rotterdam, Neth.	Fruit	1,580
Copiapo ²	30	31	Chile	Sud Amer. de Vapores	Corral, Chile	Hamburg, Ger.	General	3,158
San Demetrio ^{1 2}	30	31	Brit.	Eagle Oil & Ship. Co.	S. Francisco, Cal.	Azores ¹⁴	Gasoline	11,392
San Diego	30	31	Fr.	French Line	Bellingham, Wash.	Rotterdam, Neth.	General	6,738
Forbes Hauptman	29	1	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	6,276
Ingers	29	31	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile	Savannah, Ga.	Nit. of soda	7,886
Marga	29	31	Nor.	N.-Atlantic & Gulf	Corinto, Nic.	Chester, Pa.	Dyewood	1,800
Annie Johnson ²	30	31	Swed.	Johnson Line	Vancouver, B. C.	Goth'burg, Swed.	General	5,887
Pacific Enterprise ²	30	31	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General	5,630
Daylight ²	31	31	Amer.	Socony-Vac. Oil Co.	Los Angeles, Cal.	Providence, R. I.	Gasoline	12,329
Nuevo Panama ²	31	1	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	86
City of Baltimore	30	31	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	6,311
Acajutla	31	1	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	(15)	745
Sambu ²	30	1	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Sons ²	31	1	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	25
Real ²	30	1	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	36
Pirre ²	31	1	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	34
Tuira ²	31	1	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	50
Nieto de Larrinaga ¹	30	1	Brit.	Canadian Transp. Co.	Vancouver, B. C.	London, England	Wheat, lum.	8,843
Stensby ²	31	1	Dan.	East Asiatic Co.	Dairen, China	Cobh, Ireland ¹⁴	Soy beans	6,306
Yomachichi ²	31	1	Amer.	Roosevelt S. S. Co.	Melbourne, Aust.	Baltimore, Md.	General	6,195
Tigre ²	1	1	Nor.	Fred Olsen & Co.	Vancouver, B. C.	Oslo, Norway	General	6,637
Havelland ²	1	2	Ger.	Hamburg-Amer. Line	Manila, P. L.	New Orleans, La.	(16)	6,366
Lautaro ²	1	2	Brit.	Pacific Steam Nav. Co.	Tocopilla, Chile	Liverpool, Eng.	General	8,551
Maine	30	2	Amer.	Calif.-Eastern Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,014
Alkmaar	1	2	Neth.	Royal Neth. S. S. Co.	Talcahuano, Chile	Hamburg, Ger.	General	9,118
El Aleto ^{1 2}	1	2	Brit.	C. T. Bowring & Co.	Lobitos, Peru	Donges, France	Crude oil	10,109
Alaskan	2	2	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	Lumber, gen.	6,332
Woodcock ⁴	2	3	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Washington Express ²	2	3	Nor.	Fruit Express Line	Vancouver, B. C.	Glasgow, Scot.	Fruit	1,815
Alioth ²	2	3	Neth.	Empire Shipping Co.	Vancouver, B. C.	Avonmouth, Eng.	(17)	8,825
Orotava	2	3	Hond.	United Fruit Co.	Acajutla, Salv.	New Orleans, La.	Coffee, ban.	621
Nero ²	2	4	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	(18)	567
Horace Luckenbach	2	3	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	8,381
West Cape	3	3	Amer.	McCormick S. S. Co.	Pt. Angeles, Wash.	Baltimore, Md.	Lumber, gen.	7,349
Steelore	3	3	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,500
Moorby ²	3	3	Brit.	Ropner Shipping Co.	Vancouver, B. C.	Rotterdam, Neth.	Grain, lum.	8,491
Washingtonian	3	3	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	6,884
Sea Thrush	3	4	Amer.	Shepard S. S. Co.	Portland, Oreg.	Providence, R. I.	Lumber, gen.	7,363
Durazzo	3	3	Ger.	Hamburg-Amer. Line	Guayaquil, Ecu.	Cristobal, C. Z.	(19)	1,069
Trois Ilets	3	3	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	141
Ino ²	3	5	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(20)	373
Lena Luckenbach	3	4	Amer.	Luckenbach Line	Portland, Oreg.	Tampa, Fla.	General	4,361
Shenandoah ¹	4	5	Amer.	The Texas Co.	Los Angeles, Cal.	Pt. Arthur, Tex.	(21)	8,064
Alphard ²	4	4	Neth.	Empire Shipping Co.	Vancouver, B. C.	London, England	Grain	8,825
Portland ²	4	5	Ger.	Hamburg-Amer. Line	Vancouver, B. C.	Hamburg, Ger.	General	7,829
Preradovic	4	5	Y-Slav	Chile Nit. Sales Corp.	Iquique, Chile	Azores ¹⁴	Nit. in bags	8,075
Petrolite ^{1 2}	3	5	Brit.	Tropical Oil Co.	Callao, Peru	Barranquilla, Col.	Ballast	
Kurdistan	4	5	Brit.	Common Bros., Ltd.	Seattle, Wash.	London, England	Wheat, lum.	5,660
Porto Bello ²	4	4	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(22)	8
Rangitane ²	4	5	Brit.	N. Z. Shipping Co.	Wellington, N. Z.	London, England	Frozen, gen.	6,534
Leme ²	4	6	Ital.	Italian Line	Vancouver, B. C.	Trieste, Italy	General	8,337
Nuevo Panama ²	4	6	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	45
Lubeck	5	6	Ger.	Hamburg-Amer. Line	Champ'ico, Guat.	Hamburg, Ger.	General	2,626
Cressington Court ²	5	5	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Garston, Eng.	Grain, lum.	8,640
Istmo	5	7	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	363
Pirre ²	5	6	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	20
Colon ²	5	6	Pan.	Dom. Campodonicio	Darien, R. P.	Cristobal, C. Z.	Bananas	39
Lochavon ²	6	6	Brit.	Royal Mail Lines	Victoria, B. C.	Rotterdam, Neth.	General	7,918
Firmore	6	6	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,500
McDougal ⁹	6	6	Amer.	U. S. Navy	Los Angeles, Cal.	Cristobal, C. Z.		
Winslow ⁹	6	6	Amer.	U. S. Navy	Los Angeles, Cal.	Cristobal, C. Z.		
McCall ⁹	6	6	Amer.	U. S. Navy	Los Angeles, Cal.	Cristobal, C. Z.		
Tennessee ¹³	6	6	Amer.	U. S. Navy	Los Angeles, Cal.	Cristobal, C. Z.		
Modavia ²	6	6	Brit.	Donaldson Line, Ltd.	Vancouver, B. C.	Glasgow, Scotland	(23)	5,939
Chr. Knudsen ²	6	6	Nor.	Canadian Transp. Co.	Vancouver, B. C.	Glasgow, Scotland	Lumber, gen.	8,184
Ferncourt ^{1 2}	6	7	Nor.	Petrofina, Brussels	Talara, Peru	Dunkerque, Fr.	Crude oil	14,165
Pomona	6	7	Amer.	Weyerhaeuser S.S. Co.	S. Francisco, Cal.	Jersey City, N. J.	(24)	10,400
Oropesa	7	8	Brit.	Pacific Steam Nav. Co.	San Antonio, Chile	Liverpool, Eng.	Copper, gen.	9,608
City of Newport News	6	7	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	5,176

¹ Tanker. ² Motor ship. ⁴ Tug. ⁹ Destroyer. ¹³ Battleship. ¹⁴ For orders. ¹⁵ Coffee, wood, general. ¹⁶ Copra, oil, hemp, general. ¹⁷ Wheat, barley, oats. ¹⁸ Coffee, hides, rubber. ¹⁹ Coffee, hides, balsa. ²⁰ Coffee, wood, nuts. ²¹ Lubricating oil, gasoline. ²² Plantains, lumber. ²³ Wheat, fruit, general. ²⁴ Lumber, pulp, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Amerikaland ²	6	7	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore ..	21,650
Eugenio DiSavio ^{12,4} ..	7	7	Ital.	Italian Government ..	LaLibertad, Ecua.	Pto. Colombia.	 ¹⁵	9,389
Duca D'Aosta ¹² ..	7	7	Ital.	Italian Government ..	LaLibertad, Ecua.	LaGuayra, Venez.	 ¹⁵	9,454
Geisha ²	6	7	Nor.	Knutson Line	Paíta, Peru.	Oslo, Norway	General.	6,580
Olaf Bergh	6	8	Nor.	East Asiatic Co.	Rashin, Korea.	Cobh, Ireland ¹⁴	Soy beans.	8,000
Jutland	6	8	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	Liverpool, Eng.	Grain, lum.	9,200
Sona ²	7	8	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	21
Real ²	7	8	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	26
Sambu ²	7	9	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	29
Tuira ²	7	8	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	27
Elisabeth Bakke ² ..	7	8	Nor.	Knut Knutsen, O.A.S.	Vancouver, B. C.	Cardiff, Wales.	(¹⁸)	7,362
Mosli ^{1 2}	6	8	Nor.	Petroleos Mexicanos.	Guaymas, Mexico	Minatitlan, Mex.	Ballast.	
Californian ²	7	8	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General.	8,410
City of Delhi	7	8	Brit.	Ellerman & Bucknall.	Melbourne, Aust.	Halifax, N. S.	General.	3,162
John Cabot	8	8	Brit.	Grace Line	Champico, Guat.	Cristobal, C. Z.	General.	726
Santa Clara	7	8	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General.	4,642
Selvestan	8	9	Brit.	Cargill Grain Co.	Portland, Oreg.	United Kingdom.	Wheat.	8,016
Rhein ²	8	9	Ger.	Hamburg-Amer. Line.	Manila, P. I.	New Orleans, La.	(¹⁷)	6,462
Demerticon	8	9	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Avonmouth, Eng.	Grain, gen.	8,285
Fort Richepanse ² ..	8	9	Fr.	French Line	Portland, Oreg.	Rotterdam, Neth.	Fresh fruits	2,030
Bogota ²	8	9	Ger.	Norddeutscher Lloyd.	Guayaquil, Ecua.	Cristobal, C. Z.	(¹⁸)	757
Kentuckian	8	9	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General.	5,233
Urano ^{1 2}	4	10	Ital.	Italian Government ..	Callao, Peru	Curacao, N. W. I.	Ballast.	
Niel Maersk ²	9	10	Dan.	A. P. Moller	Iloilo, P. I.	Baltimore, Md.	General.	6,390
Dagfred	9	9	Nor.	Continental Grain Co.	Portland, Oreg.	Tampico, Mexico.	Wheat.	7,776
Abandan ^{1 2}	9	10	Swed.	Gibson & Co.	El Segundo, Cal.	Havre, France	Gasoline.	9,014
Tuscaloosa City	9	10	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Baltimore, Md.	General.	8,410
J. L. Luckenbach	9	10	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,594
Massmar	9	10	Amer.	Calmar Line	Seattle, Wash.	Baltimore, Md.	(¹⁹)	6,651
Ino ²	9	10	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides	204
Kansai Maru ²	9	10	Jap.	Osaka Shosen Kaisha.	Kobe, Japan	Baltimore, Md.	General.	7,631
Poseidan	9	10	Ger.	Hamburg-Amer. Line.	Pto. Moritt, Chile.	Hamburg, Ger.	General.	8,422
Marija Petrinovic	9	10	Y-Slav	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores ¹⁴	Nitrate.	8,400
Tudor Star	9	10	Brit.	Blue Star Line	Vancouver, B. C.	Newcastle, Eng.	Refrig., gen.	5,578
Strymon	10	10	Greek.	Livanos Marit. Co.	Iquique, Chile.	Azores ¹⁴	Nitrate.	7,800
Santa Isabel ²	10	10	Nic.	Bemabe Guerrero	Corinto, Nic.	Bluefields, Nic.	General.	23
Clio ²	10	10	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	(²⁰)	216
Santore	10	10	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore ..	11,300
Lerwick	10	10	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Jacksonville, Fla.	Nitrate.	8,950
Salinas ¹	10	10	Amer.	U. S. Navy	Balboa, C. Z.	Coco Solo, C. Z.	Ballast.	

¹ Tanker. ² Motor ship. ¹² Cruiser. ¹⁴ For orders. ¹⁵ Displacement. ¹⁶ Lumber, fruit, general. ¹⁷ Copra, hemp, ropes. ¹⁸ Cacao, hides, coffee. ¹⁹ Lumber, copper, pulp. ²⁰ Tagua, coffee, pasta.

Tolls Charges for Transit of the Panama Canal

(Effective March 1, 1938)

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.

Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices, including the 20 percent surcharge, to individuals and companies, as of February 15, 1939:

Commodities	Unit	Price
Brass, bar, average.....	Lb.	\$0.23
Brass, sheet, average.....	Lb.	.34
Bronze, Tobin, average.....	Lb.	.23
Gasoline, motor grade.....	Gal.	.13
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.	.09
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, medium.....	Lb.	.06
Grease, yellow, cup, 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.

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.

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.

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. 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.

Amply 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.

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.

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, 7:00 a. m.; 11 a. m.; 5 p. m.; 10 p. m.

From Panama: Daily, 7:05 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.

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Volume XXXII Balboa Heights, C. Z., March 15, 1939 No. 8

Traffic Through the Panama Canal in February 1939

The total vessels of all kinds transiting the Panama Canal during the month of February 1939, and for the same month in the two preceding years, are shown in the following tabulation:

	February 1939			February	
	Atlantic to Pacific	Pacific to Atlantic	Total	1938	1937
Ocean-going commercial traffic.....	273	228	501	436	377
Small commercial traffic ¹	43	35	78	73	78
Noncommercial traffic:					
United States Government.....	19	9	28	34	45
For repairs.....				1	
Total.....	335	272	607	544	500

¹ Vessels under 300 net tons, Panama Canal measurement.

OCEAN-GOING COMMERCIAL TRAFFIC ²

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 twelve month period ended February 28, 1939, as compared with the corresponding period ended February 28, 1938:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1938-9	1937-8	1938-9 ³	1937-8 ⁴	1938-9	1937-8	1938-9	1937-8
March.....	506	536	2,311,526	2,563,000	2,268,548	3,016,418	\$2,015,585.34	\$2,355,149.04
April.....	487	473	2,258,836	2,276,000	2,279,235	2,652,880	1,961,456.58	2,067,026.68
May.....	465	544	2,150,228	2,626,000	2,309,171	2,950,925	1,886,825.66	2,376,706.36
June.....	445	472	2,064,793	2,266,000	2,122,389	2,670,466	1,801,291.78	2,070,337.89
July.....	429	457	1,933,816	2,216,000	2,025,660	2,476,366	1,694,205.00	2,029,642.45
August.....	468	505	2,177,699	2,402,000	2,171,674	2,780,603	1,890,050.74	2,195,308.87
September.....	438	444	2,005,241	2,139,000	1,998,464	2,385,142	1,741,895.46	1,935,673.78
October.....	494	461	2,276,194	2,182,000	2,359,673	2,438,788	1,977,706.76	1,981,087.87
November.....	505	435	2,302,333	2,110,000	2,223,830	2,185,283	1,984,014.72	1,893,462.00
December.....	509	439	2,336,011	2,070,000	2,374,395	2,046,170	2,031,017.04	1,845,048.20
January.....	525	444	2,380,916	2,053,000	2,393,360	2,095,402	2,062,454.16	1,837,894.72
February.....	501	436	2,282,318	1,993,000	2,206,963	1,998,827	1,996,735.66	1,786,611.45
Total.....	5,772	5,646	26,479,911	26,896,000	26,733,362	29,697,270	23,043,238.90	24,373,949.31

² Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons and over, Panama Canal measurement.

³ Panama Canal net tonnage as figured under rules which became effective March 1, 1938.

⁴ Estimated tonnage under rules which became effective March 1, 1938.

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 1939. 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.....	43	2,141	\$1,650.24	364
Pacific to Atlantic.....	35	1,876	1,687.68	1,951
Total.....	78	4,017	3,337.92	2,315

Traffic by Nationality of Vessels ⁵ for February 1939

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
Belgian.....	1	5,900	\$5,310.00	12,483
British.....	⁶ 160	753,684	649,434.82	665,977
Chilean.....	1	5,011	4,509.90	5,168
Danish.....	13	51,060	44,994.60	50,300
French.....	8	36,191	32,571.90	32,179
German.....	31	134,932	121,061.70	117,341
Greek.....	12	54,720	45,135.72	54,898
Honduran.....	4	6,486	5,837.40	1,837
Italian.....	⁷ 8	29,832	34,795.74	18,384
Japanese.....	18	102,248	92,023.20	110,706
Netherland.....	26	80,625	71,508.24	49,228
Norwegian.....	55	249,762	211,120.38	256,676
Panamanian.....	15	35,857	27,642.42	15,253
Philippine.....	1	4,805	4,324.50	6,605
Swedish.....	15	66,579	57,360.60	78,675
United States.....	126	633,666	562,715.10	689,128
Yugoslav.....	7	30,960	26,389.44	42,125
Total.....	501	2,282,318	1,996,735.66	2,206,963

⁵ Tolls-paying vessels of 300 net tons or over, Panama Canal measurement. ⁶ Includes 6 naval vessels of 24,110 tons displacement. ⁷ Includes 2 naval vessels of 18,843 tons displacement.

Traffic by Trade Routes for February 1939

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.....	45	235,018	159,603	46	231,253	338,879
East coast United States and:						
Canada.....	6	28,232	893	2	6,856	10,262
Central America/Mexico.....	3	8,105	5,342	3	4,519	1,658
South America.....	22	122,743	19,951	19	81,289	211,989
Balboa.....	1	5,805	2,412			
Hawaiian Islands.....	3	14,510	11,983	1	4,675	3,361
Australasia.....	6	36,941	33,537			
Philippine Islands.....	8	39,974	50,366	9	45,833	59,677
Far East.....	24	120,384	185,144	4	24,051	18,971
East coast Canada and:						
United States.....	1	1,864				
Australasia.....	2	13,452	7,758	2	11,320	9,357
Canada intercoastal.....				1	5,135	7,770
Central America/Mexico intercoastal.....	2	7,618	12,969	1	6,264	
East coast Central America/Mexico and United States.....				1	4,422	7,776
South America intercoastal.....	3	7,664	14,688	2	5,153	8,629
East coast South America and:						
United States.....	1	4,525	6,146			
Canada.....				1	4,567	6,041
Far East.....	3	15,754	16,575	1	5,331	2,564
Cristobal and:						
Central America/Mexico.....	4	2,692	2,239	4	2,692	3,552
South America.....	15	8,593	4,946	16	9,542	7,113
West Indies and:						
Canada.....	1	4,268				
South America.....	3	12,455	13,033	1	3,744	
Balboa.....	1	5,128	10,211			
Europe and:						
United States.....	26	125,822	2,003	15	68,025	124,093
Canada.....	44	224,097	35,269	51	260,449	401,687
Central America/Mexico.....	3	6,371	4,801	3	10,061	12,501
South America.....	27	141,949	40,952	21	106,593	178,754
Australasia.....	10	61,561	37,854	6	45,904	39,167
Far East.....	1	5,906	5,100	6	28,529	42,807
Egypt and South America.....	1	4,773				
Africa and Canada.....				1	3,979	6,806
Asia and United States.....				1	2,663	1,322
Around the world.....	3	20,579	12,172	1	5,570	6,250
Foreign vessels in ballast (United States intercoastal).....	1	4,985				
Vessels not engaged in commerce.....	⁸ 3	1,421		⁹ 9	710	
Total.....	273	1,293,189	695,977	228	989,129	1,510,986

⁸ Three yachts.

⁹ Eight naval vessels and one yacht.

Origin and Destination of Cargo by Major Areas, February 1939

The following table summarizes the origin of cargo passing through the Canal in February 1939, 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.....	164,927	18,835	247,246	16,465	35,123	482,596
Other North America.....	1,154	26,098	282	26,546	10,096	64,176
Europe.....	23,845	17,308	1,621	34,649	36,624	114,047
Miscellaneous.....	7,194	31	12,142	14,531	1,260	35,158
Total.....	197,120	62,272	261,291	92,191	83,103	695,977

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	330,618	19,931	230,132	5,678	586,359
Canada.....	14,942	4,155	293,052	10,158	322,307
Other North America.....	4,920	4,792	13,571	.....	23,283
South America.....	210,895	9,293	177,668	8,629	406,485
Australasia.....	8,363	994	39,167	.....	48,524
Asia.....	80,541	2,766	40,607	114	124,028
Total.....	650,279	41,931	794,197	24,579	1,510,986

Principal Commodities

Commodities in transit through the Canal which aggregated 10,000 or more tons either during February 1939 or February 1938, are listed below:

Commodity	February		Commodity	February	
	1939	1938		1939	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Asphalt and tar.....	7,171	10,656	Beans, edible.....	22,412	12,162
Automobiles and parts.....	25,955	22,020	Canned goods.....	72,543	58,750
Canned goods.....	11,005	10,183	Coffee.....	15,943	19,764
Cement.....	16,628	10,227	Cold storage (food products) ¹⁰ ..	26,556	26,847
Coal and coke.....	18,505	6,231	Copra.....	12,539	14,233
Cotton, raw.....	17,285	26,221	Flour.....	13,952	18,917
Iron and steel.....	110,769	112,019	Fruit, dried.....	21,797	17,839
Machinery.....	15,005	9,279	Fruit, fresh ¹¹	32,435	42,108
Manufactured goods.....	11,248	8,979	Lumber.....	238,735	202,129
Metals, various.....	34,480	47,819	Metals, various.....	42,940	54,079
Oils, mineral.....	91,793	92,950	Nitrates.....	145,594	196,942
Paper.....	22,021	26,816	Oats.....	10,630	5,395
Phosphates.....	11,861	11,290	Oils, mineral.....	178,481	155,796
Scrap metal.....	110,379	32,836	Oils, vegetable.....	16,358	16,856
Slag.....	7,547	15,935	Ores, various.....	155,206	160,765
Sulphur.....	6,892	17,708	Paper.....	13,117	6,188
Tinplate.....	5,902	15,259	Soy beans.....	33,141	6,186
<i>Pacific to Atlantic</i>			Sugar.....	48,104	81,370
Asphalt and tar.....	286	11,754	Wheat.....	252,009	68,356
Bananas.....	1,868	10,242	Wood pulp.....	22,510	11,428
Barley.....	27,790	18,040	Wool.....	7,117	12,720

¹⁰ Except fresh fruit. ¹¹ Except bananas.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of February 1939, 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				112
Agricultural implements	1,202	25	4,234	35
Alfalfa meal		562		761
Ammonium compounds	731		2,411	1
Animal foods ¹²	67	66	98	66
Apparel, wearing (hats, shoes, clothing, etc.)	112		115	
Asbestos	906	24	3,513	29
Asphalt and tar	89	27	7,171	286
Automobiles (and autotrucks)	6,455		17,351	3
Automobile parts and accessories	966	31	8,604	31
Bags and bagging, textile			474	
Bamboo and products				242
Bananas				1,868
Barks, miscellaneous	103	73	112	609
Barley		68		27,790
Beans, edible, dry	100	6,649	149	22,412
Beer			220	
Beverages, nonalcoholic			45	
Blood and tankage				69
Bones and bone meal			629	
Books and printed matter	35		92	
Borax	20	353	32	9,341
Bran and pollards		13		2,200
Bricks and tile	166		1,164	48
Camphor, crude				10
Canned and preserved goods:				
Fish	612	7,665	859	14,006
Fruit	2,678	21,983	2,782	35,306
Meat	125		882	456
Milk		18	364	132
Soup	3,380	1,761	3,466	1,761
Vegetables	686	9,290	765	9,544
Miscellaneous and unclassified	1,442	8,078	1,887	11,338
Carbon black			510	30
Celite		661		661
Cement	750	12	16,628	12
Chalk			194	
Charcoal	15		15	
Chemicals ¹²	3,917	419	7,892	1,197
Clay, china and fire	207	253	1,158	253
Clay, filtering		133		133
Coal	1,832		14,209	
Cocoa and cacao beans	525	40	1,047	574
Cocoanuts and products ¹²	89	677	138	1,213
Coffee	98	120	3,012	15,943
Coke	237	22	4,296	22
Cold storage and refrigerated products:				
Dairy products		22	329	11,947
Eggs				159
Fish			133	1,365
Lard	307		362	
Meats		53	260	12,442
Poultry	200	102	200	192
Vegetables		76		240
Other and unclassified			14	211
Confectionery	886	6	899	6
Copra				12,471
Copra meal and cake			3	68
Corn			282	
Cotton, raw	25	708	17,285	5,747
Cresote			1	
Drugs and medicines	1,809	104	2,351	104
Dyes			29	
Earthenware	45		171	43
Eggs, dried	10		10	
Electrical apparatus and appliances	2,596	103	4,098	146
Enamelware and metalware	127		247	69
Explosives	367		952	17
Extract, quebracho			981	
Fertilizers ¹²	577	109	1,632	354
Fish, salted or dry-cured			67	3
Fish meal				2,194
Floor coverings	1,741	629	1,885	1,098
Flour	211	8,467	1,366	13,952
Fruit, dried		10,552	97	21,797

¹² 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
Fruit, fresh ¹²	270	2,449	877	32,435
Furniture and household goods.....	324	123	431	148
General.....	13,075	3,866	36,835	9,774
Glass and glassware.....	1,993	107	5,576	327
Glue.....	50		80	
Grains ¹²			33	
Groceries.....	1,523	268	1,834	1,505
Gums.....		32		189
Hair, all kinds.....	83	66	83	229
Hay.....		17	16	62
Hemp, unmanufactured.....		113		1,987
Honey.....		26		134
Hops.....			34	
Horns and hoofs.....			106	5
Infusorial earth.....		486		1,055
Iron and steel, manufactures of (structural, steel, plates, bars, angles, pipe, etc.).....	63,682	846	110,769	897
Ivory nuts.....			554	1,097
Lard substitute.....	436		436	38
Lime.....	14		139	
Liquors.....	2,341	234	3,597	239
Lumber (including manufactured mill products).....	980	107,535	5,365	238,735
Machinery.....	2,772	916	15,005	1,210
Malt.....			56	
Manufactured goods ¹²	4,606	338	11,248	951
Marble and granite.....	38		232	
Matches.....	279	304	399	304
Metals:				
Copper.....	167	5,586	4,970	22,810
Gold and silver.....			1,320	107
Iron.....	697		18,989	20
Lead.....		1,964	1,081	13,181
Tin.....	317	231	6,640	1,657
Zinc.....	293		1,130	4,828
Other and unclassified.....	140	13	350	337
Milk, powdered.....	18	92	34	799
Molasses and syrups.....	205		300	190
Nitrate.....	1,795	448	3,373	145,594
Nuts, edible (including meats).....	85	265	85	1,000
Oats.....	150	150	150	10,630
Oils, mineral:				
Crude.....		9,209	13,587	56,628
Gas and fuel.....		40,797	45,276	40,797
Gasoline, benzine, and naphtha.....		9,592	13,904	63,463
Kerosene.....		7,239	1,088	11,684
Lubricating and greases.....	3,433	5,644	17,849	5,909
Other and unclassified.....			89	
Oils, vegetable:				
Coconut.....		453	51	13,222
Cottonseed.....			500	
Linseed.....	1,025		1,212	
Olive.....	124	23	692	23
Rapeseed.....				195
Teaseed.....				321
Wood.....	17	34	17	584
Other and unclassified.....	509		774	2,013
Oil, fish.....	60	2,685	145	6,865
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.).....		73	3,465	1,106
Oilseed cake and meal.....	2,278		2,278	6,777
Ores:				
Antimony.....			30	323
Chrome.....		738	10	2,738
Copper.....		543	218	2,898
Gold and silver.....				500
Iron.....			60	133,836
Lead.....				2,480
Magnesite.....		1,510		1,510
Manganese.....	4		471	5,130
Tin.....				3,665
Zinc.....			14	1,077
Other and unclassified.....		5	289	1,049
Paints and varnishes.....	849	205	2,430	245
Paper and paper products ¹²	9,083	7,555	22,021	13,117
Peanuts.....	436		436	105
Peas, dry.....		20		88
Peatmoss.....			673	
Phosphates.....	728	76	11,861	5,976
Plaster.....			72	
Porcelainware.....	431	124	808	1,477
Potash.....		802	1,078	802

¹² 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
Pyrethrum flowers.....				175
Rags and waste.....	177	43	485	236
Railroad material.....	199		1,120	
Rice.....	130	383	652	3,114
Rope and twine.....	230	26	1,660	279
Rosin.....	881	42	2,944	45
Rubber:				
Manufactured.....	1,250	328	1,754	1,239
Raw.....			83	1,316
Scrap.....			766	
Salt.....	91	368	1,177	368
Sand.....	29		2,112	34
Scrap metal.....	167	258	110,379	1,165
Seeds (except oilseeds).....		313	359	699
Sewer pipe (concrete and terra cotta).....			12	
Shells, oyster.....	126		126	310
Silk, raw.....		60	6	1,286
Skins and hides.....	2	1,458	405	3,526
Slag.....			7,547	
Slate.....	263		263	
Soaps and products.....	2,022	116	2,152	213
Soda and sodium compounds:				
Soda ash.....	74		330	3
Soda, caustic.....	382		813	
Miscellaneous and unclassified.....	593	155	860	662
Soy beans.....	583		583	33,141
Spices.....	90		101	8
Sugar.....	5	12,567	8,277	48,104
Sulphur.....	92		6,892	16
Talc.....	27	80	27	321
Tallow.....	101	523	131	2,199
Tea.....	148		1,146	870
Textiles ¹³	2,837		9,682	3,024
Tinplate.....	876	40	5,902	40
Tobacco and manufactures.....	800	155	6,408	402
Toilet preparations.....	38		91	302
Turpentine.....	147		530	
Vegetables, dry ¹²		153		1,082
Wallboard.....	77		896	551
Wax, paraffin.....	177		928	244
Wheat.....		66	34	252,009
Wines.....	400	1,075	1,110	2,180
Wood pulp.....	165	17,644	3,506	22,510
Wool.....	12	1,009	41	7,117
Total, February 1939.....	164,927	330,618	695,977	1,510,986
Total, February 1938.....	161,550	246,793	658,617	1,340,210
Total, February 1937.....	134,346	57,103	636,859	1,202,929

¹² Except as otherwise classified.¹³ Cotton, silk, wool, rayon goods.

Tanker Traffic

The following tabulation shows, according to trade routes, the tanker traffic through the Canal during the month of February 1939:

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.....	2	11,217		7	39,838	72,934
East coast United States and:						
Balboa.....	1	5,805	2,412			
Philippine Islands.....				1	3,694	¹⁴ 6,685
Far East.....	1	5,923	12,267			
Central America/Mexico intercoastal.....	1	6,264	11,788	1	6,264	
South American intercoastal.....	2	6,694	13,893	2	5,153	8,629
West Indies and:						
South America.....	2	10,842	9,813	1	3,744	
Balboa.....	1	5,128	10,211			
Europe and:						
United States.....	6	40,522		5	25,851	48,250
South America.....	5	31,618		4	24,242	47,920
Total.....	21	124,013	60,384	21	108,786	184,418

¹⁴ Coconut oil.

Comparison of Canal Traffic in February 1939, 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
		(000 omitted)	(000 omitted)			(000 omitted)	(000 omitted)
1915.....	15 88	293	424	1915.....	16 100	334	466
1916.....	(17)			1916.....	60	184	258
1917.....	130	428	547	1917.....	145	447	588
1918.....	149	450	473	1918.....	165	506	627
1919.....	153	473	563	1919.....	162	472	576
1920.....	200	650	780	1920.....	199	659	781
1921.....	236	848	953	1921.....	232	879	966
1922.....	207	820	838	1922.....	222	880	907
1923.....	318	1,414	1,563	1923.....	325	1,434	1,631
1924.....	415	1,951	2,244	1924.....	429	2,016	2,249
1925.....	369	1,654	1,839	1925.....	382	1,761	1,996
1926.....	416	1,841	2,139	1926.....	424	1,909	2,169
1927.....	435	2,035	2,229	1927.....	441	2,020	2,311
1928.....	523	2,274	2,659	1928.....	521	2,269	2,468
1929.....	510	2,245	2,549	1929.....	524	2,299	2,554
1930.....	475	2,190	2,377	1930.....	502	2,310	2,502
1931.....	419	1,973	1,929	1931.....	447	2,140	2,089
1932.....	345	1,737	1,645	1932.....	364	1,829	1,650
1933.....	344	1,694	1,434	1933.....	347	1,758	1,513
1934.....	452	2,277	2,124	1934.....	436	2,201	2,059
1935.....	430	2,040	1,836	1935.....	432	2,143	2,109
1936.....	452	2,148	2,155	1936.....	449	2,160	2,209
1937.....	377	1,795	1,840	1937.....	467	2,224	2,507
1938.....	436	1,993	1,999	1938.....	460	2,163	2,282
1939.....	501	2,282	2,207	1939 (8 months)...	484	2,212	2,219

¹⁵ Canal opened August 15, 1914. ¹⁶ Average for 10½ months of fiscal year ended June 30, 1915. ¹⁷ Canal closed account of slides.

Terminal Activities

Ships repaired during the month of February 1939 numbered 60. Vessels released from drydock numbered 7. Fuel oil amounting to 316,809 barrels was delivered as bunkers to 146 commercial vessels. Bunker coal amounting to 7,742 tons was delivered to 25 commercial vessels. Sales of commissary supplies to ships aggregated \$51,998.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving..... tons	19,610	8,381	27,991
Local cargo shipped..... tons	2,070	399	2,469
Cargo received for transshipment..... tons	42,301	195	42,496
Cargo transhipped..... tons	42,150	53	42,203
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	6	6	12
Number of releases issued.....	45	8	53
Tons received.....	39	26	65
Tons withdrawn.....	19	4	23

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..	574	3,682,296	2,216,615	529	3,107,435	1,893,092
Vessels entering port but not transiting Canal..	68	583,929	337,520	8	32,430	21,364
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	127	780,626	471,966	90	653,892	398,510
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	578	3,667,700	2,211,761	526	3,112,320	1,897,216
Vessels clearing port but not transiting Canal..	69	566,722	327,871	8	32,430	21,364
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	128	784,286	475,525	89	644,755	394,671

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, 1939, to midnight March 10, 1939. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Clio, 237, 34	Orotava, 384, 332	Laguna, 4, 157	Acajutla, 965, 0	Clio, 122, 354
Colombo, 157, 1	Mantilla, 8,757, 0	Santa Clara, 215, 41	Wisconsin, 85, 182	Peter Maersk, 597, 50
Canada, 89, 26	Clio, 375, 319	Platano, 712, 143	Leipzig, 47, 1,500	Contractor, 222, 0
Argentina, 109, 193	Nero, 147, 198	Peter Kerr, 475, 1	Cefalu, 639, 609	Douro, 261, 45
Colombie, 117, 35	Cerigo, 364, 173	Veragua, 117, 821	Nosiro Maru, 174, 191	Jamaica, 114, 437½
Osnabruck, 180, 217	Duesseldorf, 61, 600	Alaska, 81, 283	Real, 0, 2½	Cordillera, 133, 47
Wandsbek, 23, 297	Sixaola, 130, 79	Nero, 450, 162	West Ira, 503, 0	Seattle, 142, 391
Istmo, 388, 182	American Press, 1,174, 1,314	Quito, 518, 463	Leikanger, 55, 18	Simon Bolivar, 4, 1,082
Santa Elena, 125, 198	Santa Inez, 215, 167	Pereira, 831, 1,037½	Asuka Maru, 115, 53	Aconagua, 0, 16
San Angelo, 344, 11	Helga, 0, 70	Roda, 119½, 565	Axel Johnson, 156, 67	Acajutla, 0, 507
Chiriqui, 41½, 201	Laurits Swenson, 50, 551	Tai Shan, 922, 0	Musa, 3,236, 80	Santa Elena, 160, 93
Caymanian, 0, 7	Telde, 561, 528	Cadmus, 7, 186	Bretagne, 115, 2	Sambu, 0, 28
Kirisima Maru, 252, 0	Breda, 190, 196	Eso Baltimore, 1,841, 0	Santa Lucia, 584, 115½	Contessa, 361, 707
Knute Nelson, 29, 19	Spreewald, 7, 283	Ulua, 604, 391	Cristobal, 3,607, 914	Real, 0, 73
Orbita, 74, 704	Douro, 289, 277	Guayaquil, 1,549, 378	Balboa, 1, 0	Santa Barbara, 146, 79
Maui, 313, 0	Bogota, 8, 557	Ino, 232, 128	Santa Maria, 560, 23	John Cabot, 899, 512
Damsterdijk, 139, 3	San Antonio, 198, 237	Amerika, 0, 54	Dido, 132, 321	Erria, 20, 139
cases	Santa Rosa, 215, 166	Donau, 139, 76	Chiriqui, 41, 335	Wandsbek, 166, 120
West Nilus, 41, 0	Istmo, 816, 259	Schwaben, 71, 368	Valparaiso, 52, 137	Platano, 1,079, 11
Cefalu, 423, 734	Sesostri, 49½, 74	Yamagiri Maru, 404, 0	Cellina, 112, 1	Patria, 158, 253
Rhakotis, 22, 336	Nordstjernan, 9, 409	Istmo, 753, 210	Telde, 160, 540	Lochmonar, 232, 248
Colombie, 0, 416	Santa Rosa, 265, 87	Wanderer, 161, 0	Durazzo, 772, 624	Orduna, 37, 758
Trois Ilets, 366, 48	Talamanca, 118½, 703	Lochkatrine, 88, 282	Muenchen, 91, 134	Talamanca, 129, 652
Salvador, 1,117, 377	El Mirlo, 13,815, 0	Imperial, 61, 0	Santa Marta, 264, 79	Chile, 208, 296
Real, 0, 21	R. L. Hustler, 1½, 0	Isar, 107, 64	Nero, 432, 543	Bogota, 627, 774
Santa Maria, 459, 15	Costa Rica, 0, 892	Dortmund, 1 pkg., 0	Boskoop, 91, 598	Kansai Maru, 0, 288
San Jose, 117, 114	Vinni, 297, 20	Simon Bolivar, 30, 93	Orotava, 506, 469	Weser, 55, 230
Caribia, 37, 659	Inn, 22, 90	Kinikawa Maru, 751, 0	Bretagne, 0, 336	Santa Rita, 400, 92½
Ville de Strasbourg, 0, 16	Mussolini, 135, 0	Santa Paula, 183, 95	Reina del Pacifico, 89, 92	Tolosa, 776, 162
Musa, 971, 1	Monerrate, 97, 0	Quirigua, 34, 287½	Port Montreal, 51, 454	San Felipe, 903, 0
Mendocino, 12,174, 0	Contessa, 603, 872	Margaret Lykes, 274, 334	Sea Star, ½, 0	Bachaquero, 7,052, 0
Ancon, 3,985, 874	Trois Ilets, 237, 55	Lochgoil, 184, 31	Trois Ilets, 354, 113	Buenaventura, 2,274, 425
Oakland, 101, 76	Sambu, 0, 25	Silverbelle, 1,293, 0	Tosan Maru, 293, 0	
Bordeaux Maru, 231, 0	Santa Rita, 177, 0	San Mateo, 76, 21½	Istmo, 689, 336	
Jamaica, 279, 416		Fella, 192, 85	Cerigo, 18, 224	

BALBOA

Knute Nelson, 1,031, 0	Santa Inez, 145, 5	Santa Clara, 203, 13	Santa Lucia, 3, 0	City of Norfolk, 512, 0
John Cabot, 0, 1	San Rafael, 848, 0	Trontolite, 0, 1	Acajutla, 1, 0	Santa Barbara, 2, 0
Santa Maria, 5, 0	Margrethe Bakke, 1,008, 0	Tai Shan, 228, 0	Santa Marta, 949, 0	Washington, 144, 0
Republic, 359, 74	Motatan, 1,727, 0	Eso Baltimore, 3,096, 0	Pereira, 0, 2	Sirius, 12, 0
Stranger, 0, 1	City of Los Angeles, 360, 0	Heiyo Maru, 35, 0	Santa Maria, 199, 13	Samuel Bakke, 60, 0
Salvador, 2, 0	Salvador, 0, 1	City of San Francisco, 411, 0	Munchen, 65, 0	Abraham Lincoln, 543, 0
Santa Maria, 11,543, 0		West Ira, 1,243, 51	President Adams, 2, 0	Chateau Thierry, 903, 0
Nitro, 42, 1			Peter Maersk, 204, 0	

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

Passengers

During February 1939, ocean-ship passengers debarking at Cristobal numbered 1,828, embarking 1,629; at Balboa, 416 debarking, 516 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 6,950; from the Pacific to the Atlantic, 1,322. Commercial aircraft numbering 47 entered Cristobal, 236 passengers debarking; clearances were 48 with 275 passengers embarking. Balboa entries of aircraft numbered 47, with 151 passengers debarking; clearances were 47, with 128 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, \$1.65 per barrel at Cristobal and Balboa.

Movements of Ocean Vessels Through the Panama Canal **From midnight February 10, 1939, to midnight March 10, 1939**

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Arawa	10	11	Brit.	Shaw, Savill & Albion	London, England	Timaru, N. Z.	General	4,000
El Oso ¹	8	11	Brit.	C. T. Bowring & Co.	Ellesmere, Eng.	Cabo B'co, Peru	Ballast	
City of Norfolk	11	11	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	2,656
Ino ²	10	11	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	216
Peru ²	11	11	Dan.	J. H. Winchester & Co.	New York, N. Y.	Kobe, Japan	Scrap iron	9,380
Emergency Aid	11	11	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General	3,870
Durazzo	4	12	Ger.	Hamburg-Amer. Line	Cristobal, C. Z.	Paipa, Peru	General	249
Clio ²	11	12	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	31
Arimasan Maru ²	11	12	Jap.	Mitsui Senpakubun	Boston, Mass.	Moji, Japan	Gen. gasoline	7,933
Nebraska	11	12	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	3,320
Nyhaug ²	11	12	Nor.	Chile Nit. Sales Corp.	Galveston, Tex.	Tocopilla, Chile	Ballast	
Col. Riche ³			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow, barge	
Colombo	11	12	Ital.	Italian Line	Genoa, Italy	Valparaiso, Chile	General	629
Adventure ⁶			Amer.	Alden & Mary Bryan	Miami, Fla.	California	Ballast	
Brandon	11	12	Brit.	Anglo-Can. S. S. Co.	N. Shields, Eng.	Vancouver, B. C.	General	
Julia Luckenbach	12	12	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	Gen. wire	3,823
Etrickbank ²	12	13	Brit.	The Bank Line, Ltd.	Tampico, Mex.	Adelaide, Aust.	General	8,700
Port Adelaide	11	12	Brit.	Port Line	Liverpool, Eng.	Fremantle, Aust.	General	6,931
Argentina ²	12	13	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B. C.	Gen. cement	3,895
Ardagorn	12	13	Brit.	Ross T. Smyth & Co.	Hull, England	Portland, Oreg.	Ballast	
Port Brisbane	12	13	Brit.	Port Line	New York, N. Y.	Dunedin, N. Z.	Gen. oranges	2,188
Henry S. Grove	12	13	Amer.	Isthmian S. S. Lines	New York, N. Y.	Los Angeles, Cal.	General	3,212
Alamar	12	13	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Gen. steel	4,650
Coloradan	12	13	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Seattle, Wash.	General	4,261
W. S. Miller ¹	13	13	Amer.	Standard Oil of Calif.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Knaute Nelson ²	13	14	Nor.	Fred Olsen & Co.	Oslo, Norway	Vancouver, B. C.	General	4,931
John Cabot	8	13	Brit.	Grace Line	Cristobal, C. Z.	Champico, Guat.	General	610
Istmo	12	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	540
Wandsbek	12	13	Ger.	North German Lloyd	Hamburg, Ger.	Champico, Guat.	General	1,591
Orbita	13	14	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	San Antonio, Chile	General	2,427
San Angelo	13	14	Amer.	Quaker Line	Norfolk, Va.	Seattle, Wash.	Autos, gen.	2,530
Colon ²	12		Pan.	Dom. Campodonico	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Gen. Wm. M. Graham ¹¹			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Porto Bello ³	13	14	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Republic ⁸	13	14	Amer.	U. S. Army	New York, N. Y.	Honolulu, T. H.	General	1,793
Waraby	13	14	Brit.	Ropner Shipping Co.	N. Shields, Eng.	Portland, Oreg.	Ballast	
Lebore	13	14	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Athelmonarch ^{1 2}	13	14	Brit.	Asano Bussan	Greenock, Scot.	Los Angeles, Cal.	Ballast	
Damsterdijk ²	13	14	Neth.	N. Pac. Coast Line	Rotterdam, Neth.	Vancouver, B. C.	General	2,806
Somersby	13	14	Brit.	Sir R. Ropner & Co.	Barry, England	Portland, Oreg.	Ballast	
Wellington Court	13	14	Brit.	Court Line, Ltd.	Barry, England	Coos Bay, Oreg.	Ballast	
W. S. Rheem ¹	14	14	Amer.	Standard Oil of Calif.	Hamburg, Ger.	Los Angeles, Cal.	Ballast	
Ampetco ^{1 2}	14	15	Belg.	Standard Oil of Venez.	Caripito, Venez.	Tocopilla, Chile	Fuel oil	12,483
West Nilus	14	15	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Seattle, Wash.	General	6,146
Lt. Col. H. C. Schumm ⁴			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Elg ²	14	15	Nor.	Canadian-Gulf Line	Rotterdam, Neth.	Chile	Ballast	
Mosfruit ²	14	15	Nor.	Martin Mosvold	Hook of Holland	Los Angeles, Cal.	Ballast	
Nereus	14	15	Greek	E. E. Hadjilias & Co.	Amsterdam, Neth.	Los Angeles, Cal.	Ballast	
Nuevo Panama ²	14		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Bremen	15	16	Ger.	North German Lloyd	New York, N. Y.	New York, N. Y.	Passengers	
Heranger ²	14	15	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Cuttlefish ⁷			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Tilington Court	15	15	Brit.	Canadian Transp. Co.	Cardiff, Wales	Estevan, B. C.	Ballast	
Nurtureton	15	16	Brit.	Empire Ship. Co.	Newport, Eng.	Vancouver, B. C.	Ballast	
Marit II ¹	15	16	Nor.	Standard Oil of N. J.	Aruba, N. W. I.	San Antonio, Chile	Fuel oil	9,813
Ulm ²	15	16	Ger.	North German Lloyd	Hamburg, Ger.	Seattle, Wash.	Ballast	
Trois Ilets	14	16	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	86
Sambu ²	14		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
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	
Real ²	14		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Enoch ³	15		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹³	Ballast	20
Ville de Strasbourg ¹	15	16	Fr.	Messageries Marit'es	Marseille, France	Noumea, New Caledonia	General	3,057
Cornish City	15	16	Brit.	Mitsubishi & Co.	Tampa, Fla.	Osaka, Japan	Phosphate	9,006
Oakland ²	16	16	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Vancouver, B. C.	General	2,235
Arkansas	16	16	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	3,025
Ellin	15	17	Greek	Shipboard S. S. Co.	Hull, England	Brit. Columbia	Ballast	
President de Vogue ^{1 2}	16	17	Nor.	Comp. des Prod. Chim. et Raff. de Berre	Port de Bouc, France	Talara, Peru	Ballast	
Orotava	16	17	Hond.	United Fruit Co.	New Orleans, La.	Puntarenas, C. R.	General	130
Royal Sceptre	16	17	Brit.	Hall Bros. S. S. Co.	Cardiff, Wales	Vancouver, B. C.	Ballast	

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ⁶ Yacht. ⁷ Submarine. ¹¹ Mine planter.
¹³ 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	Long tons
Washington	17	18	Amer.	United States Lines	New York, N. Y.	S. Francisco, Cal.	General	1,503
Volita ⁶	15	17	Amer.	E. R. Woodfall, Jr.	Boston, Mass.	Galapagos Island	Ballast	...
Steel Navigator	17	17	Amer.	Isthmian S. S. Lines	New York, N. Y.	Round the world. ⁽¹⁵⁾	...	5,418
Frangoula B. Goulandrakis	17	17	Greek	Goulandrakis Brothers	Cardiff, Wales	Vancouver, B. C.	Ballast	...
Nitro ¹³	16	20	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	General	3,001
Parthenia	17	17	Brit.	Donaldson & Black	Glasgow, Scot.	Vancouver, B. C.	General	1,499
Mount Cynthos	17	18	Greek	Rethymnis Kulukundis	Portland, Me.	Kobe, Japan	Scrap iron	6,675
President Monroe	17	18	Amer.	Amer. President Lines	New York, N. Y.	Round the world.	General	3,728
Clarissa Radcliffe	17	18	Brit.	Radcliffe & Co.	Norfolk, Va.	Portland, Oreg.	Ballast	...
Point Judith	17	18	Amer.	Swayne & Hoyt	New Orleans, La.	Seattle, Wash.	General	4,877
Cornwall	17	18	Brit.	Federal Steam Nav. Co.	Swansea, Eng.	Auckland, N. Z.	General	6,524
Dusseldorf ²	17	18	Ger.	North German Lloyd	Hamburg, Ger.	Corral, Chile	General	5,440
Venecia ⁵	17	18	Amer.	Donald Cummings	Cristobal, C. Z.	Gatun, C. Z.	Ballast	...
Nieuw Amsterdam	17	19	Neth.	Holland-Amer. Line	New York, N. Y.	Valparaiso, Chile	Psgrs. only	...
Santa Inez ²	17	18	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile	General	1,781
Nero ²	16	18	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	180
Ingersaks	17	18	Nor.	Chile Nit. Sales Corp.	Charleston, S. C.	Chile	Ballast	...
Lady Glanely ²	17	18	Brit.	Seaboard Ship. Co.	S. Shields, Eng.	Los Angeles, Cal.	Ballast	...
Harry Luckenbach	17	18	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,427
Rangitata ²	18	19	Brit.	N. Z. Shipping Co.	London, England	Wellington, N. Z.	Gen., frozen	4,780
Helga	18	19	Dan.	J. Lauritzen	New York, N. Y.	Talcahuano, Chile	General	2,405
Clio ²	16	19	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	290
Hollywood	18	19	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General	5,758
Nemanja	18	19	J-Slav.	Chile Nit. Sales Corp.	Scheidam, Neth.	Chile	Ballast	...
Irisbank ²	18	19	Brit.	A. Weir & Co.	Savannah, Ga.	Shanghai, China	General	3,681
Marore	18	19	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	...
Wanderer ⁵	18	19	Amer.	H. L. Brazeal	Cristobal, C. Z.	Gatun, C. Z.	Ballast	...
Spreewald ²	18	19	Ger.	Hamburg-Amer. Line	New Orleans, La.	Cebu, P. I.	Cotton, oil	7,833
Floridan	18	19	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	3,174
Pacific President ²	18	19	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General	506
Margrethe Bakke ²	18	20	Nor.	Knutson Line	Goth'burg, Swed.	Talcahuano, Chile	General	3,622
Breda	19	19	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	2,392
Bogota ²	18	19	Ger.	North German Lloyd	Barranquilla, Col.	Guayaquil, Ecua.	Gen., salt	795
Ambassador	19	20	Brit.	Hall Bro. S. S. Co.	Immingham, Eng.	Auckland, N. Z.	Basic slag	7,200
San Antonio	20	Fr.	French Line	Havre, France	Vancouver, B. C.	General	...	5,471
Taira ²	18	19	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	...
Sona ²	18	19	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	...
King Frederick	19	20	Brit.	Canadian Transp. Co.	Philadelphia, Pa.	Vancouver, B. C.	Ballast	...
Istmo	19	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	822
Memphis City	19	20	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Seattle, Wash.	Steel, gen.	3,431
Schuykill ^{1 2}	20	20	Brit.	Standard Oil of N. J.	Plymouth, Eng.	Los Angeles, Cal.	Ballast	...
Mount Othrys	20	20	Pan.	Emanuel Marcou	Rotterdam, Neth.	Vancouver, B. C.	Ballast	...
Isthmian	20	20	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Seattle, Wash.	Gen., steel	4,055
Nordstjernan ²	20	21	Swed.	Johnson Line	Malmo, Swed.	Valparaiso, Chile	General	1,687
Liberty Glo	20	21	Amer.	McCormick S. S. Co.	Philadelphia, Pa.	Seattle, Wash.	General	2,284
Goodleigh	20	21	Brit.	Seaboard Lumber Co.	Barry, England	Vancouver, B. C.	Ballast	...
Oakmar	20	21	Amer.	Calmar Line	Baltimore, Md.	Tacoma, Wash.	Steel, gen.	5,660
Service No. 2 ⁵	20	21	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	...
Norman Monarch	20	21	Brit.	Seaboard Ship. Co.	Dunston, Eng.	Vancouver, B. C.	Ballast	...
San Cipriano ^{1 2}	21	21	Brit.	Anglo-Saxon Pet. Co.	Sampton, Eng.	S. Francisco, Cal.	Ballast	...
Gracia	21	21	Brit.	Donaldson S. A. Line	Glasgow, Scot.	Vancouver, B. C.	General	882
Treacrell	21	21	Brit.	Hain S. S. Co.	Cardiff, Wales	W. coast, N. A.	Ballast	...
Heronspool	21	22	Brit.	Seaship	N. Shields, Eng.	Vancouver, B. C.	Ballast	...
Salvador	14	22	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	377
Cingalese Prince ²	21	22	Brit.	Prinice Line	New York, N. Y.	Saigon, China	General	5,022
Mussolini ²	21	22	Pan.	Dom. Campodonico	Cristobal, C. Z.	Balboa, C. Z.	Ballast	...
Jacob Luckenbach	21	22	Amer.	Luckenbach Line	Houston, Tex.	Tacoma, Wash.	General	6,455
City of Winchester	21	22	Brit.	Ellerman & Bucknall	Philadelphia, Pa.	Brisbane, Aus'lia	General	5,199
Inn	21	22	Ger.	North German Lloyd	Hamburg, Ger.	Champ'ico, Guat.	General	3,210
Nuevo Panama ²	21	22	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	...
Porto Bello ⁵	21	22	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Lowther Castle	21	22	Brit.	Chile Nit. Sales Corp.	Flushing, Neth.	Tocopilla, Chile	Ballast	...
Steel ore	21	22	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	...
El Mirlo ^{1 2}	20	22	Brit.	C. T. Bowring & Co.	Curacao, N.W.I.	Cabo Bl'co, Peru	Ballast	...
Ewa	22	23	Amer.	Matson Nav. Co.	Mobile, Ala.	Honolulu, T. H.	Corn, steel	6,657
Saugor	22	23	Brit.	Jas. Nourse, Ltd.	Pt. Arthur, Tex.	Yokohama, Japan	General ⁽¹⁶⁾	7,805
Trois Ilets	21	23	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	55
John Bakke ²	22	23	Nor.	Knutson Line	Stugsund, Swed.	Alameda, Calif.	Wood pulp	2,003
Agios Vlassios	22	23	Greek	John D. Chandris	Boston, Mass.	Osaka, Japan	Scrap iron	7,040
Dalcross	22	23	Brit.	United Steam Nav. Co.	Barry, England	Papeete, Tahiti Is.	Coal	3,201
Port Halifax ²	22	23	Brit.	Mont.-Aust.-N.Z. Line	St. John, N. B.	Dunedin, N. Z.	General	2,545
Nozima Maru ²	22	23	Jap.	Nippon Yusen Kaisha	Boston, Mass.	Kobe, Japan	Gen., asbestos	7,487
Cuango ²	22	23	Pan.	E. Pucci	Cristobal, C. Z.	Gatun, C. Z.	Ballast	...
Real ²	21	23	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	...
Athos ^{1 2}	22	23	Nor.	B. Hanssen & Co.	Corpus Ch'i, Tex.	Yokohama, Japan	Crude oil	12,267

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁵ Launch. ⁶ Yacht. ¹³ Auxiliary ¹⁵ Steel, automobiles, general.¹⁶ Scrap iron, coke.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Santa Clara.....	22	23	Amer.	Grace Line.....	New York, N. Y.	Valparaiso, Chile.	General.....	2,730
Semmes ¹³	23	24	Amer.	U. S. Navy.....	U. S. port.....	Balboa, C. Z.....	Ballast.....	.....
S-20 ¹	23	24	Amer.	U. S. Navy.....	Cristobal, C. Z.....	Balboa, C. Z.....	Ballast.....	.....
Liontos Teryazos.....	23	23	Greek	Theodoros Teryazos.....	New York, N. Y.	Kobe, Japan.....	Scrap iron.....	7,066
Laguna ²	22	24	Brit.	Pacific Steam Nav. Co.	Hull, England.....	Valparaiso, Chile.	General.....	1,938
Kurov.....	23	24	Brit.	Union S. S. Co. of N. Z.	Glasgow, Scotland	Lyttleton, N. Z.....	Coal.....	977
Ormes.....	23	24	Amer.	Liekenbach Line.....	New Orleans, La.	Seattle, Wash.....	General.....	846
Gryfewale.....	23	25	Brit.	Chile Nit. Sales Corp.	Tyne, England.....	Chile.....	Ballast.....	.....
Mosli ^{1 2}	23	24	Nor.	Petroleos Mexicanos.....	Puerto Mexico.....	Mazatlan, Mexico.....	(15)	11,788
Edda.....	23	24	Ital.	North German Lloyd.	Hamburg, Ger.....	Seattle, Wash.....	Ballast.....	.....
Sambu ²	21	23	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.....	Pedregal, R. P.....	General.....	60
Nevadan.....	23	24	Amer.	Amer.-Hawaiian Line.	Boston, Mass.....	Portland, Oreg.....	General.....	2,951
Peter Kerr.....	23	24	Amer.	States S. S. Co.....	New York, N. Y.	Seattle, Wash.....	Gen., steel.....	5,796
Temple Moat.....	23	24	Brit.	Mitsui & Co.....	Baltimore, Md.....	Moji, Japan.....	Steel slabs.....	7,083
Uffington Court.....	23	24	Fr.	French Line.....	Antwerp, Belgium	Valparaiso, Chile.	General.....	2,164
Haldeigh.....	24	24	Brit.	Canadian Transp. Co.	New York, N. Y.	Puntarenas, C. R.	(16)	5,043
Anna Maersk ²	24	25	Dan.	Canadian Transp. Co.	Barry, England.....	Vancouver, B. C.	Ballast.....	.....
Roda ²	24	25	Ger.	A. P. Moller.....	Boston, Mass.....	Manila, P. I.....	General.....	6,482
Esso Baltimore ¹	24	25	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.....	Corral, Chile.....	General.....	3,231
Donau.....	24	25	Ger.	Standard Oil of N. J.	New York, N. Y.	Los Angeles, Cal.	(17)	2,412
Silveray ²	24	25	Brit.	North German Lloyd.	Hamburg, Ger.....	Portland, Oreg.....	General.....	2,829
Nero ²	23	25	Neth.	Kerr S. S. Co.....	New Orleans, La.	Vancouver, B. C.	Ballast.....	.....
Firmore.....	24	25	Amer.	Royal Neth. S. S. Co.	Cristobal, C. Z.....	B'ventura, Col.....	General.....	147
Ino ²	24	25	Neth.	Ore S. S. Corp.....	Baltimore, Md.....	Cruz Gr'de, Chile	Ballast.....	.....
City of Newport News.	24	25	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.....	Guayaquil, Ecu.	General.....	116
King John ²	24	25	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.....	4,016
Lancaster.....	24	25	Brit.	Dodd, Thomson & Co.	Belfast, Ireland.....	Vancouver, B. C.	Ballast.....	.....
Amerikaland ²	24	25	Amer.	Weyerhaeuser S.S. Co.	New York, N. Y.	Everett, Wash.....	General.....	3,158
Barrowhian.....	25	25	Swed.	Ore S. S. Corp.....	Baltimore, Md.....	Cruz Gr'de, Chile	Ballast.....	.....
Theofano Livanos.....	25	25	Brit.	Canadian Transp. Co.	Norfolk, Va.....	Vancouver, B. C.	Ballast.....	.....
Paul Luckenbach.....	25	26	Greek	Mitsubishi Line.....	New York, N. Y.	Japan.....	Scrap iron.....	8,133
Quito ²	25	26	Amer.	Luckenbach Line.....	Boston, Mass.....	Seattle, Wash.....	General.....	4,707
Oremar.....	25	26	Ger.	North German Lloyd.	Cristobal, C. Z.....	Guayaquil, Ecu.	General.....	240
Vojvoda Putnik.....	25	26	Amer.	Calmar Line.....	Baltimore, Md.....	Seattle, Wash.....	Steel, gen.....	5,430
Redgate.....	25	26	J-Slav.	Chile Nit. Sales Corp.	Flushing, Neth.....	Chile.....	Ballast.....	.....
Panamam.....	25	26	Brit.	North Atl.-Gulf Co.	Philadelphia, Pa.	Guayaquil, Ecu.	Sugar.....	4,276
Atlantic.....	25	26	Amer.	Amer.-Hawaiian Line.	Boston, Mass.....	Seattle, Wash.....	General.....	3,819
Fantome ⁶	26	27	Amer.	Isthmian S. S. Lines.	New York, N. Y.	Hilo, T. H.....	General.....	3,924
Chilean Reefer ²	26	27	Brit.	Hon. A. E. Guinness.	S'ampton, Eng.....	S. Francisco, Cal.	Ballast.....	.....
Hazelside.....	26	26	Dan.	J. Lauritzen.....	St. John, N. B.....	Seattle, Wash.....	Ballast.....	.....
Dortmund.....	26	26	Brit.	Canadian Transp. Co.	Cardiff, Wales.....	Vancouver, B. C.	Ballast.....	.....
Anatina ²	26	26	Ger.	Hamburg-Amer. Line.	Galveston, Tex.....	Auckland, N. Z.....	(18)	6,060
Istmo.....	26	27	Nor.	W. I. Trading Co.	Landskrona, Swed	S. Francisco, Cal.	Ballast.....	.....
Montevideo Maru ²	25	27	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.....	B'ventura, Col.....	General.....	700
Everleigh.....	26	27	Jap.	Osaka Shosen Kaisha	Buenos Aires, Arg.	Yokohama, Japan	General.....	3,768
Vibran ²	26	27	Brit.	Atl. Ship. & Trad. Co.	Barry, England.....	British Columbia.	Ballast.....	.....
Rio Branco ²	26	27	Nor.	Knutson Line.....	Cardiff, Wales.....	Pto. Arm'les, R.P.	Ballast.....	.....
Nathan ²	26	27	Nor.	Chile Nit. Sales Corp.	New York, N. Y.	Tocopilla, Chile.	Ballast.....	.....
California Stand- ard. ^{1 2}	26	27	Pan.	E. J. Hooper.....	Cristobal, C. Z.....	Gatun, C. Z. ¹⁴	.....	20
Pacific Exporter ²	27	27	Pan.	Foreign Tankship Corp.	Hull, England.....	Los Angeles, Cal.	Ballast.....	.....
Cape St. George.....	27	27	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General.....	635
British Columbia Express. ²	27	27	Brit.	Sun Shipping Co.....	Baltimore, Md.....	Manila, P. I.....	Coal.....	7,410
Tokai Maru ²	27	27	Nor.	Fruit Express Line.....	Glasgow, Scotland	N. West'm'er, B.C.	Ballast.....	.....
Yamazake Maru ²	27	27	Jap.	Osaka Shosen Kaisha.	Hamburg, Ger.....	Dairen, China.....	General.....	5,100
El Ciervo ¹	27	28	Jap.	Yamashita K. Kaisha.	Buenos Aires, Arg.	Shanghai, China.	Cotton, gen.....	6,703
Mussolini ²	27	28	Ref. La Isaura, S. A.	Cardiff, Wales.....	Lobitos, Peru.....	Ballast.....	.....	.....
California Express ^{2 27}	26	28	Pan.	Dom. Campodonico.	Cristobal, C. Z.....	Balboa, C. Z.....	Ballast.....	.....
Astra.....	27	28	Nor.	Fruit Express Line.	Glasgow, Scotland	Seattle, Wash.....	Ballast.....	.....
Escupe Fuego ²	27	28	Nor.	North Atl.-Gulf Co.	Cardenas, Cuba.....	Guayaquil, Ecu.	Sugar.....	3,220
Ross ²	27	28	Nic.	Gilberto Saborio.....	Pt. Limon, C. R.	Puntarenas, C. R.	Ballast.....	.....
Nonsuco ²	27	28	Brit.	Anglo-Can. S. S. Co.	Rotterdam, Neth.	N. Pac. coast ports	Ballast.....	.....
San Mateo.....	27	28	P. I.	No. Negros Sugar Co.	New York, N. Y.	Iloilo, P. I.....	(19)	6,605
Pereira.....	27	1	Fr.	French Line.....	Havre, France.....	Vancouver, B. C.	(20)	3,945
Lochoil ²	28	28	Pan.	Grace Line.....	Cristobal, C. Z.....	Champ'ico, Guat.	General.....	1,013
Franz Klasen ^{1 2}	27	28	Brit.	No. Pac. Coast Line.	Rotterdam, Neth.	Vancouver, B. C.	Gen., refigr.....	1,681
Herstein ²	27	28	Pan.	W. Tanksschiff Rhed'.	Amsterdam, Ned.	Talara, Peru.....	Ballast.....	.....
Rossington Court.....	27	28	Nor.	States Marine Corp.	Baltimore, Md.....	Moji, Japan.....	Scrap, mach.....	8,301
Anglo Indian.....	28	28	Brit.	Anglo-Can. S. S. Co.	Barry, England.....	S. Francisco, Cal.	Ballast.....	.....
Steelmaker.....	28	28	Brit.	Canadian Transp. Co.	Barry, England.....	Vancouver, B. C.	Ballast.....	.....
Nordlys.....	28	1	Amer.	Isthmian S. S. Lines.	New York, N. Y.	Seattle, Wash.....	Gen., steel.....	4,136
Nuevo Panama ²	28	1	Dan.	Chile Nit. Sales Corp.	Norfolk, Va.....	Tocopilla, Chile.	Ballast.....	.....
Porto Bello ²	28	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.....	Balboa, C. Z.....	Ballast.....	.....
Col. Riche ⁵	28	28	Pan.	A. Tagaropoulos.....	Cristobal, C. Z.....	Real, R. P.....	General.....	3
			Amer.	U. S. Army.....	Cristobal, C. Z.....	Gatun, C. Z.....	Tow, barge.....	.....

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Launch. ⁵ Yacht. ⁶ Submarine. ⁷ Auxiliary. ⁸ For bananas and return to Cristobal. ⁹ Fuel oil, kerosene. ¹⁰ Scrap iron, general. ¹¹ General, sand, coke, etc. ¹² Crocotted ties and bridge material. ¹³ Gasoline and kerosene. ¹⁴ Oil, general, sulphur.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Fordsdale	28	1	Brit.	Shaw, Savill & Albion	Glasgow, Scot.	Bluff, N. Z.	General	5,708
Columbian	28	1	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General	3,884
Lima	27	2	Peru	Agencia Aguirre, S. A.	Mobile, Ala.	Callao, Peru.	(15)	631
Leikanger	1	1	Nor.	Westfal, Larsen & Co.	Buenos Aires, Arg.	Vancouver, B. C.	General	5,605
Steel Inventor.	1	1	Amer.	Isthmian S. S. Lines.	Mobile, Ala.	Seattle, Wash.	Steel, gen.	8,466
King Malcolm ²	1	1	Brit.	N. Pac. Shipping Co.	Cardiff, Wales	Los Angeles, Cal.	Ballast	
Real ²	28	2	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	General	15
La Union ²	28	2	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu ²	28	2	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Wind Rush	1	2	Amer.	Shepard S. S. Co.	Boston, Mass.	Tacoma, Wash.	General	4,767
Ward ²	28	2	Amer.	Roosevelt S. S. Co.	Philadelphia, Pa.	Adelaide, Aus'tia.	General	2,930
Willmoto ²	28	2	Amer.	Arrow Line	Baltimore, Md.	Tacoma, Wash.	General	4,612
Leipzig	28	2	Ger.	North German Lloyd.	Hamburg, Ger.	Corral, Chile	General	3,827
Azumasan Maru ²	28	2	Jap.	Mitsui & Co.	Philadelphia, Pa.	Moji, Japan.	Steel, rosin.	5,578
Santa Maria ²	28	2	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile.	General	2,056
Santoro	28	2	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Komaki Maru ²	28	2	Jap.	Kokusai Kisen Kaisha	New York, N. Y.	Kobe, Japan	Cotton, steel	7,919
Balboa ²	28	2	Swed.	Johnson Line	Goth'burg, Swed.	Honolulu, T. H.	General	6,023
Point Brava	28	2	Amer.	Gulf Pacific Line.	Houston, Tex.	Seattle, Wash.	General	5,545
Ogontz	28	2	Amer.	Alaska So. Pack. Co.	Baltimore, Md.	Seattle, Wash.	(16)	6,543
K. R. Kingsbury ¹	28	2	Amer.	Shell Union Oil Corp.	New York, N. Y.	S. Francisco, Cal.	Ballast	
Enoch ²	28	2	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹⁴		20
Arizona	28	2	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	3,045
Valparaiso ²	28	2	Swed.	Johnson Line	Norrköping, Swed.	Vancouver, B. C.	(17)	3,477
Karmt ²	3	3	Nor.	Chile Nit. Sales Corp.	Savannah, Ga.	Tocopilla, Chile.	Ballast	
Lenda ²	3	3	Nor.	Chile Nit. Sales Corp.	Norfolk, Va.	Tocopilla, Chile.	Ballast	
Gypsum Prince.	3	3	Brit.	Chile Nit. Sales Corp.	Mobile, Ala.	Tocopilla, Chile.	Ballast	
Cellina ²	3	4	Ital.	Italia Line	Trieste, Italy.	Vancouver, B. C.	General	729
Sea Horse ⁶	3	4	Amer.	N. E. Parker	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Booskop	3	4	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	1,640
City of Athens	3	4	Brit.	Am.-Manchurian Line	Baltimore, Md.	Dairen, China.	General	5,341
Kaldfonn ¹	3	4	Nor.	Standard Oil of N. J.	Aruba, N. W. I.	Iquique, Chile.	(18)	13,824
Telde	3	4	Hond.	United Fruit Co.	New Orleans, La.	Acajutla, Salv.	General	130
Downes ⁹	3	4	Amer.	U. S. Navy	Culebra, P. R.	San Diego, Calif.	Ballast	
Susan V. Luckenbach.	3	4	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	3,355
Santa Isabel ²	3	4	Nic.	Beraabe Guerrero.	Bluefields, Nic.	Corinto, Nic.	Oil and iron.	43
Korana	3	4	J.-Slav.	Chile Nit. Sales Corp.	Flushing, Neth.	Chile.	Ballast	
Norden ²	3	4	Dan.	Kawasaki K. Kaisha.	Texas City, Tex.	Kobe, Japan	General	6,844
President Adams	4	5	Amer.	Amer.-President Lines	Genoa, Italy	Round the world.	Autos., gen.	8,233
Winkleigh	3	5	Brit.	Seaboard Sales Co.	Barry, England.	Pacific coast.	Ballast	
Martin Bakke ²	4	5	Nor.	Interocean S. S. Corp.	Manchester, Eng.	Vancouver, B. C.	Ballast	
Nero ²	3	5	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	493
Chilore	4	5	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
San Roberto ¹	4	5	Brit.	Eagle Oil & Ship. Co.	Curacao, N. W. I.	Valparaiso, Chile.	(19)	7,664
Port Gisborne ²	4	5	Brit.	Port Line, Ltd.	London, England	Nelson, N. Z.	General	6,097
Lidvart	4	5	Nor.	Laurits Kloster	New York, N. Y.	Yokohama, Japan	Scrap iron.	8,450
Missourian ²	5	5	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General	3,604
Hanley	4	5	Amer.	Weyerhaeuser S. S. Co.	New York, N. Y.	Seattle, Wash.	General	3,490
Trois Ilets	4	5	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	110
Silverteak ²	4	6	Brit.	Kerr S. S. Co.	New York, N. Y.	Hongkong, China	General	5,985
Sessa	5	5	Dan.	West Coast Line.	New York, N. Y.	Talcahuano, Chile	General	1,562
Istmo	4	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	725
Mahimahi	5	6	Amer.	Matson Nav. Co.	Baltimore, Md.	Hilo, T. H.	Gen. autos.	2,126
Calmar	5	6	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,372
S. C. T. Dodd ¹	5	6	Amer.	Standard Oil of Calif.	New York, N. Y.	Los Angeles, Cal.	Lub. oil	4,548
Maui	5	6	Amer.	Baltimore Mail Co.	New York, N. Y.	S. Francisco, Cal.	General	2,845
Pirre ²	4	6	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona ²	4	6	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Detroit ¹²	6	8	Amer.	U. S. Navy	High seas	Balboa, C. Z.	Ballast	
Maryland ¹³	5	6	Amer.	U. S. Navy	Virgin Islands	Los Angeles, Cal.	Ballast	
Clark ⁹	5	9	Amer.	U. S. Navy	Port-au-Prince.	S. Francisco, Cal.	Ballast	
Cassin ⁹	5	9	Amer.	U. S. Navy	Culebra, V. I.	S. Francisco, Cal.	Ballast	
Corynghan ⁹	5	9	Amer.	U. S. Navy	Culebra, V. I.	San Diego, Calif.	Ballast	
Macdonough ⁹	5	9	Amer.	U. S. Navy	Port-au-Prince.	S. Francisco, Cal.	Ballast	
Worden ⁹	5	9	Amer.	U. S. Navy	Port-au-Prince.	San Diego, Calif.	Ballast	
Chincha	6	6	Amer.	Isthmian S. S. Lines.	New York, N. Y.	Tacoma, Wash.	General	3,000
George M. Embricos.	6	6	Greek	S. G. Embricos	London, England	Pacific coast port.	Ballast	
Waimarama ²	6	6	Brit.	Shaw, Savill & Albion	London, England	New Zealand	Ballast	
City of Brisbane.	6	7	Brit.	Amer. & Austral. Line	Philadelphia, Pa.	Dunedin, N. Z.	General	4,217
Cerigo	4	7	Ger.	Hamburg-Amer. Line.	Barranquilla, Col.	Guayaquil, Ecua.	(20)	801
Potini Carras.	6	7	Greek	Carras Brothers	New York, N. Y.	Osaka, Japan.	Scrap iron.	6,070
Clarinada ⁶	4	10	Amer.	Pearle Wilson	Miami, Fla.	San Diego, Calif.	Ballast	
Cathwood ¹	6	7	Amer.	Union Oil of Calif.	Baltimore, Md.	Pt. San Luis, Cal.	Ballast	
Seattle ²	6	7	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B. C.	General	4,775
Aconcgaza ²	6	7	Chile.	Cia Sud. Amer. de Vap.	Hamburg, Ger.	Valparaiso, Chile.	General	3,127

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Launch. ⁵ Yacht. ⁶ Destroyer. ⁷ Cruiser. ⁸ Battleship.
¹⁴ For bananas and return to Cristobal. ¹⁵ Coal, steel, lumber. ¹⁶ Tinplate, containers. ¹⁷ Ore, general, coffee.
¹⁸ Fuel and Diesel oil. ¹⁹ Gasoline, fuel and Diesel oil. ²⁰ Salt, beer, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Lerwick	7	7	Brit.	Chile Nit. Sales Corp.	Newp't News, Va.	Chile	Ballast	
Acajutla	28	7	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	507
Salacia	7	7	Brit.	Donaldson Bros., Black	Glasgow, Scot.	Vancouver, B. C.	General	1,481
W. R. Keever	7	7	Amer.	Texas Freeport Sul. Co.	New Orleans, La.	Tacoma, Wash.	Sulphur	7,738
Trondanger	7	8	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Porto Bello	7	7	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Michalakis	7	8	Greek.	Longis. Mach. & Equip	Baltimore, Md.	Yokohama, Japan	Scrap iron	6,860
Mussolini	5	7	Pan.	Dom. Campodonico	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Lena Luckenbach	7	8	Amer.	Luckenbach Line	Tampa, Fla.	Tacoma, Wash.	General	5,571
Nuevo Panama	7	7	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Erria	8	8	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General	584
Bjonn	8	8	Nor.	Mitsubishi Shoji K.	Houston, Tex.	Yokohama, Japan	Scrap iron	9,003
Texas Sun	8	8	Amer.	Sun Oil Co.	Perth Amboy, N.J.	Los Angeles, Cal.	Ballast	
Forbes Hauptman	8	9	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General	4,018
Elias G. Kulukundis	8	9	Greek.	Hamburg-Amer. Line.	Galveston, Tex.	Yokohama, Japan	General	9,131
Eastern Guide	8	9	Amer.	Prudential S. S. Corp.	Pt. Tampa, Fla.	Honolulu, T. H.	Phos. rock	5,509
Glenmoor	8	9	Brit.	W. Runciman & Co.	Ghent, Belgium	Bluff, N. Z.	Fertilizer	7,320
Dornoch	8	9	Brit.	Chile Nit. Sales Corp.	Greenock, Eng.	Chile	Ballast	
Fresno Star	9	9	Brit.	Blue Star Line	N. Shields, Eng.	Vancouver, B. C.	Ballast	
M-101	9	9	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
M-111	9	9	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
M-238	9	9	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
L-53	9	9	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Gen. Wm. M. Graham	9	9	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sambu	7	8	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Agua Dulce, R. P.	General	28
Morviken	8	9	Nor.	K. Line	New York, N. Y.	Yokohama, Japan	Gen., cotton	7,759
Sirius	7	10	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	General	3,694
Chaumont	8	11	Amer.	U. S. Navy	Norfolk, Va.	S. Francisco, Cal.	General	341
Kaipara	9	10	Brit.	Mont. Aust. N. Z. Line	Halifax, N. S.	Adelaide, Aust.	General	6,030
Sire	9	10	Brit.	Chile Nit. Sales Corp.	Charleston, S. C.	Chile	Ballast	
Caithness	9	10	Brit.	Canadian Transp. Co.	Hull, England	Vancouver, B. C.	Ballast	
G. C. Brovig	9	10	Nor.	Kawasaki K. Kaisha	Corpus Ch'ti, Tex.	Yokohama, Japan	Crude oil	13,975
Nicolau Zografia	9	10	Greek.	Seaboard Shipping Co.	London, England	Brit. Columbia	Ballast	
Orduña	9	10	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile	General	3,070
Col. Riche	9	10	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge	
Real	7	10	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R. P.	General	55
Abraham Lincoln	10	11	Nor.	Fred Olsen & Co.	Oslo, Norway	Vancouver, B. C.	General	5,821
Dundee	9	11	Brit.	British Government	Aruba, N. W. I.	Balboa, C. Z.	Ballast	
Chateau Thierry	9	11	Amer.	U. S. Army	New York, N. Y.	Balboa, C. Z.	General	903
Kansai Maru	10	10	Jap.	Osaka Shosen Kaisha	Boston, Mass.	Kobe, Japan	(15) 7,664	
Tuyama Maru	10	10	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Kobe, Japan	Gen., cotton	7,306
Service No. 2	10	10	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	

PACIFIC TO ATLANTIC

American Oriole	10	11	Amer.	Puget Sd. Mills Corp.	Olympia, Wash.	New York, N. Y.	Lumber	7,599
Allister	10	11	Brit.	Texas Oil Co.	Puntarenas, C. R.	Pt. Arthur, Tex.	Drums	120
San Lucas	11	11	Amer.	Quaker Line	S. Francisco, Cal.	Philadelphia, Pa.	Lumber, gen.	8,250
Langley	11	14	Amer.	Anglo-Saxon Pet. Co.	San Diego, Calif.	Coco Solo, C. Z.		
Ensley City	11	11	Amer.	Isthmian S. S. Lines	Hilo, T. H.	Baltimore, Md.	(16) 3,361	
Southern Cross	10	12	Swed.	A. L. Wenner-Gren	Callao, Peru	Stockholm, Swed.	Ballast	
Travarrack	11	12	Brit.	Hain S. S. Co.	Vancouver, B. C.	Cobb, Ireland	Wheat	7,582
Osnabruck	11	12	Ger.	North German Lloyd	Corral, Chile	Hamburg, Ger.	General	5,580
Newton Moore	11	12	Brit.	Van-St. Lawrence Line	Victoria, B. C.	Hull, England	Barley, conc.	8,150
Canada	11	12	Swed.	Johnson Line	Vancouver, B. C.	Goth'burg, Swed.	Grain, gen.	8,185
Edwin Christenson	11	12	Amer.	Sudden & Christenson	Astoria, Oreg.	Baltimore, Md.	Lumber	6,885
Porto Bello	11	11	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(17) 10	
Sofie Bakke	11	12	Nor.	Knut Knutsen, O. A. S.	Vancouver, B. C.	Glasgow, Scotland	(18) 7,651	
Alkaid	12	12	Neth.	Anglo-Can. S. S. Co.	Vancouver, B. C.	London, England	Grain	8,830
Dromus	12	12	Brit.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Lands End, Eng.	Gasoline	11,127
Temple Yard	12	12	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	St. John, N. B.	Lumber	7,770
Istmo	12	13	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	352
Taranger	12	13	Nor.	Interocean S. S. Corp.	Vancouver, B. C.	Rotterdam, Neth.	(19) 6,814	
Triglav	12	13	J.-Slav.	Chile Nit. Sales Corp.	Antof'gasta, Chile	Azores	Nit. of soda	10,150
Kirisima Maru	12	13	Jap.	Kokusai Kisen Kaisha	Kobe, Japan	New York, N. Y.	(20) 7,331	
S. C. T. Dodd	12	13	Amer.	Gulf Oil Co.	S. Francisco, Cal.	New York, N. Y.	Fuel oil	9,300
Point Lohos	12	13	Amer.	Swayne & Hoyt	Portland, Oreg.	Tampa, Fla.	Lumber, gen.	5,692
Colon	12	13	Pan.	Dom. Campodonico	Darien, R. P.	Cristobal, C. Z.	Bananas	41
Maui	13	14	Amer.	Baltimore Mail Co.	S. Francisco, Cal.	New York, N. Y.	General	3,610
Chilore	13	13	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,000
Karmt	13	13	Nor.	Chile Nit. Sales Corp.	Liquique, Chile	Jacksonville, Fla.	Nitrate	8,890
K. R. Kingsbury	13	13	Amer.	Shell Union Oil	Los Angeles, Cal.	New York, N. Y.	Fuel oil	10,984

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Launch. ⁵ Transport. ⁶ Destroyer. ⁷ Mine planter.
¹³ Airplane carrier. ¹⁴ For orders. ¹⁵ General, asbestos. ¹⁶ Pineapples, canec, tuna. ¹⁷ Plantains, lumber.
¹⁸ Lumber, wheat, general. ¹⁹ Wheat, fruit, general. ²⁰ Sugar, coconut oil, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Iowan	13	13	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,433
Sultan Star	13	14	Brit.	Blue Star Line	Wellington, N. Z.	London, England	Frozen, gen.	6,552
Gypsum Prince	13	14	Brit.	Chile Nit. Sales Corp.	Antof gasta, Chile	Gulf ports	Nit. of soda	6,414
Lieut. Col. H. C. Schumm	13	14	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Ottawa	10	14	Brit.	Canadian Navy	Esquimalt, B. C.	Bermuda		
Restigouche	10	14	Brit.	Canadian Navy	Esquimalt, B. C.	Bermuda		
Fraser	10	14	Brit.	Canadian Navy	Esquimalt, B. C.	Bermuda		
St. Laurent	10	14	Brit.	Canadian Navy	Esquimalt, B. C.	Bermuda		
Trois Ilets	14	15	Ger.	Hamburg-Amer. Line.	San Antonio, Chile	Hamburg, Ger.	General	7,313
Nuevo Panama	14	15	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	103
Salvador	13	15	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	334
Pacific Pioneer	14	15	Brit.	Pacific Steam Nav. Co.	Champico, Guat.	Cristobal, C. Z.	General	1,117
Quebec City	14	15	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	Fruit, gen.	8,753
Sambu	14	15	Brit.	Reardon-Smith Line.	Vancouver, B. C.	London, England	Bulk wheat	8,200
Sona	14	15	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	48
Real	14	15	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	34
Tuira	14	15	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
San Jose	13	15	Fr.	French Line	Darien, R. P.	Cristobal, C. Z.	Bananas	54
Grestaston	14	15	Brit.	S. S. Owners Op. Co.	Havre, France	Rotterdam, Neth.	General	5,696
Gregalia	14	15	Brit.	Donaldson Line	Yavaros, Mexico	Glasgow, Scotland	Chick peas	7,145
Santa Maria	14	15	Amer.	Grace Line	Vancouver, B. C.	New York, N. Y.	General	7,648
Oregonian	15	16	Amer.	Amer.-Hawaiian Line.	Valparaiso, Chile	Baltimore, Md.	General	3,576
Ainderby	15	16	Brit.	Sir R. Roper & Co.	Portland, Oreg.	Baltimore, Md.	General	5,063
Malantic	15	16	Amer.	Mallory Transp. Lines	N. West'er, B. C.	Hull, England	Wheat	8,118
Bordeaux Maru	15	16	Jap.	"K" Line	Philadelphica, Pa.	Houston, Tex.	Lumber	5,850
Sire	15	16	Brit.	Chile Nit. Sales Corp.	Iloilo, P. I.	Wilmingon, N. C.	Nit. of soda	7,942
Marna	15	16	Dan.	J. Lauritzen	Tocopilla, Chile.	New York, N. Y.	General	8,880
Pennsylvanian	15	16	Amer.	Amer.-Hawaiian Line.	Antof gasta, Chile	Boston, Mass.	General	2,748
Nero	16	18	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, hides	6,325
Clio	16	18	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	(16)	334
Cergo	16	17	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecua.	Cristobal, C. Z.	(17)	329
Lillian Luckenbach	16	16	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,509
Kingswood	16	16	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Hull, England	Lum., grain	7,980
Navarino	16	16	Brit.	Canadian Transp. Co.	Vancouver, B. C.	S'ampton, Eng.	Lum., grain	8,900
Cathwood	16	17	Amer.	Union Oil of Calif.	Pt. San Luis, Cal.	Baltimore, Md.	Crude oil	9,201
Gen. Wm. M. Graham	16	16	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Pennsylvania	16	17	Amer.	Weyerhaeuser S. S. Co.	Everett, Wash.	Baltimore, Md.	(18)	7,860
Kastor	16	17	Greek.	General S. S. Corp.	Brit. Columbia	Hull, England	Grain, lum.	9,484
Cumberland	17	17	Brit.	Federal Steam Nav. Co.	Wellington, N. Z.	London, England	Frozen, gen.	8,331
Mansepool	17	18	Brit.	Seaboard Shipping Co.	N. West'er, B. C.	Hull, England	Grain, lum.	8,160
Telde	17	18	Hond.	United Fruit Co.	Acajutla, Salv.	New Orleans, La.	(19)	917
Laurits Swenson	17	18	Nor.	Fred Olsen & Co.	Bellingham, Wash.	Osto, Norway	General	8,080
Haxby	17	18	Brit.	Roper Shipping Co.	Portland, Oreg.	London, England	Wheat	8,365
Brimanger	17	18	Nor.	Interocean S. S. Corp.	Vancouver, B. C.	Rotterdam, Neth.	General	7,150
Akagi Maru	17	19	Jap.	Nippon Yusen Kaisha	Hakodate, Japan.	Hamburg, Ger.	General	5,253
Absaroka	17	19	Amer.	McCormick S. S. Co.	Eureka, Calif.	Baltimore, Md.	Lumber, gen.	7,100
Mathew Luckenbach	18	19	Amer.	Luckenbach Line	Portland, Oreg.	Tampa, Fla.	General	4,552
Lumen	18	19	Brit.	Standard Oil of Calif.	El Segundo, Calif	Lands End	Gasoline	9,065
Istmo	18	20	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	652
Baron Ardrossan	18	19	Brit.	H. Hogarth & Sons	Nauru Island	Avonmouth, Eng.	Phosphate	5,900
Porto Bello	18	18	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(20)	10
Sona	18	19	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	34
Tuira	18	19	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	43
Molly II	18	19	Amer.	E. V. Brown	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Kinai Maru	18	19	Jap.	Osaka Syosen Kaisha	Dairen, China	Antwerp, Belgium	General	6,419
Sesostri	19	20	Ger.	Hamburg-Amer. Line.	Champico, Guat.	Hamburg, Ger.	(21)	2,730
Rushpool	19	19	Brit.	Sir R. Roper & Co.	Portland, Oreg.	Cobh, Ireland	Wheat	8,447
Kinross	19	19	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	London, England	Grain, lum.	8,790
Asosan Maru	19	20	Jap.	Mitsui & Co.	Manila, P. I.	New York, N. Y.	(22)	6,229
Hindpool	19	20	Brit.	Sir R. Roper & Co.	Portland, Oreg.	Birkenhead, Eng.	Bulk wheat	8,124
Vinni	19	20	Nor.	Kawasaki K. Kaisha	Manila, P. I.	Baltimore, Md.	(23)	6,828
Colon	19	20	Pan.	Dom. Campondonico	Darien, R. P.	Cristobal, C. Z.	Bananas	32
Grayburn	20	20	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Pensacola, Fla.	Nit. of soda	11,900
Texas Sun	20	20	Amer.	Shell-Union Oil Co.	Los Angeles, Cal.	Perth Amboy, N. J.	Gas., keros.	14,872
San Rafael	18	21	Amer.	Quaker Line	Portland, Oreg.	Philadelphica, Pa.	Lumber, gen.	3,562
Outerpool	20	21	Brit.	Sir R. Roper & Co.	Vancouver, B. C.	Cobh, Ireland	Grain	8,061
Trois Ilets	20	22	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee, wax	213
Monserrate	20	21	Ger.	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger.	General	6,524
Mussolini	20	21	Pan.	Dom. Campondonico	Panama, R. P.	Cristobal, C. Z.	Logs	135
Emidio	20	21	Amer.	Shell-Union Oil Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil	9,704
Lasta	20	21	J-Slav.	Chile Nit. Sales Corp.	Iquique, Chile	Azores	Nit. of soda	7,800
Nuevo Panama	21	21	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	87

¹ Tanker. ² Motor ship. ⁴ Tug. ⁵ Launch. ⁹ Destroyer. ¹¹ Mine planter. ¹⁴ For orders. ¹⁵ Sugar, silk, general. ¹⁶ Copper, empty cylinders. ¹⁷ Coffee, hides, wood. ¹⁸ Lumber, canned goods. ¹⁹ Coffee, bananas, wood. ²⁰ Plantains, lumber. ²¹ Coffee, hides, wood. ²² Sugar, rubber, silk. ²³ Sugar, chrome, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Pukkastan	20	21	Brit.	Empire Ship. Co.	Vancouver, B. C.	London, England	Wheat.	9,800
Yorkmar	21	21	Amer.	Calmar Line	S. Francisco, Cal.	Baltimore, Md.	Copper, lum.	8,362
Australian Reefer ²	21	21	Dan.	J. Lauritzen	Vancouver, B. C.	Haifa, Palestine.	Fruit, gen.	1,322
El Oso ¹	21	21	Brit.	C. T. Bowring & Co.	Cabo Bl'co, Peru	Ellesmere, Eng.	Oil grade A.	9,910
Sinnington Court	21	22	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	London, England	(14)	9,790
Real ²	20	22	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	34
Sambu ²	21	23	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	52
Santa Rita ²	21	22	Amer.	Grace Line	Chanaral, Chile.	New York, N. Y.	General.	3,194
Kupa	21	22	J-Slav.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores ¹³	Nit. of soda.	7,700
Minerva ²	21	22	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Charleston, S. C.	Nit. of soda.	9,425
D. G. Scofield ¹	21	22	Amer.	Shell-Union Oil Co.	Los Angeles, Cal.	Fall River, Mass.	Fuel oil.	10,809
Simonburn	22	22	Brit.	Common Brothers	Vancouver, B. C.	Leith, Scotland	Wheat.	8,122
City of Los Angeles	21	22	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General.	5,698
Bethore	22	22	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,200
Berganger ²	22	22	Nor.	Interocean S. S. Corp.	Vancouver, B. C.	Rotterdam, Neth.	Wheat, gen.	8,231
Pereira	22	23	Pan.	Grace Line	Champ'co, Guat.	Cristobal, C. Z.	General.	739
Lista	22	23	Nor.	Canadian-Gulf Line.	Powell Riv., B. C.	Houston, Tex.	Newsprint.	4,412
Gemstone.	22	23	Brit.	Anglo-Can. S. S. Co.	Victoria, B. C.	Hull, England	(15)	8,402
Winona	22	23	Amer.	Weyerhaeuser S. S. Co.	Los Angeles, Cal.	Norfolk, Va.	Lumber, gen.	8,427
Gulpool	23	25	Brit.	Jos. Pyke & Son, Ltd.	Portland, Oreg.	Cobb, Ireland ¹³	Bulk wheat.	8,110
Quito ²	23	25	Ger.	North German Lloyd.	Guayaquil, Ecu.	Cristobal, C. Z.	(16)	451
Nero ²	23	25	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	(17)	409
Mobile City	23	23	Amer.	Isthmian S. S. Lines.	Tacoma, Wash.	Baltimore, Md.	(18)	7,775
Trontolite ¹	23	23	Brit.	Imperial Oil Co.	Talara, Peru	Pern'buco & Para	Gas, kerosene	8,629
Lewis Luckenbach	23	23	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	11,127
American	23	24	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	7,161
Tai Shan ²	23	24	Nor.	Barber Wilhelmsen.	Zamboanga, P. I.	Norfolk, Va.	(19)	3,973
Fernbach ²	23	24	Nor.	Fern Line	Loilo, P. I.	N. of Hatteras ¹³	Sugar	7,400
Iuo ²	23	25	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	General.	211
Felix Taussig	23	24	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lum., ore, gen	7,375
Nuolja ²	24	24	Swed.	Trafax A.B. Grangesb'g	Rashin, Korea.	Cobb, Ireland ¹³	Soy beans.	8,329
Dalhanna	24	24	Brit.	Anglo-Can. S. S. Co.	Victoria, B. C.	Liverpool, Eng.	Lumber, gen.	8,114
Cragpool	24	24	Brit.	Joseph Pyke, London.	Vancouver, B. C.	Cobb, Ireland ¹³	Wheat.	8,320
Celtic Star.	24	25	Brit.	Blue Star Line.	Los Angeles, Cal.	Newcastle, Eng.	Frozen, gen.	3,892
Amerika ²	24	25	Dan.	East Asiatic Co.	Seattle, Wash.	Copenhagen, Den.	Grain, gen.	9,550
Schwaben	24	25	Ger.	North German Lloyd.	Vancouver, B. C.	Hamburg, Ger.	General.	9,406
Cuttlefish ⁷	24		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Harpoon	24	25	Amer.	Shepard S. S. Co.	S. Francisco, Cal.	Albany, N. Y.	(20)	8,634
President De Vogue, ¹ ²	24	25	Nor.	Raffineries de Berre	Talara, Peru	Pt. de Bouc, Fr.	Crude oil	13,736
Yamagiri Maru ²	24	25	Jap.	Yamashita K. Kaisha	Tsingtao, China.	Buenos Aires, Arg.	General.	2,654
Hellen	24	25	Nor.	Chile Nit. Sales Corp.	Iquique, Chile.	Jacksonville, Fla.	Nit. of soda.	7,889
Bahrein ¹	24	25	Pan.	Standard Oil of Calif.	Los Angeles, Cal.	Lands End ¹³	Gasoline	8,669
Svealand ²	24	25	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,700
Tainui	25	25	Brit.	Shaw, Savill & Albion	Auckland, N. Z.	S'ampton, Eng.	Frozen, gen.	4,760
Northleigh	24	25	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	London, England		9,180
Istmo.	25	26	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	683
Gertrude Kellogg ¹	25	26	Amer.	Kellogg S. S. Corp.	Manila, P. I.	New Orleans, La.	Coconut oil.	6,615
Lochkatrine ²	25	26	Brit.	Royal Mail Lines, Ltd	Victoria, B. C.	Rotterdam, Neth.	Frozen, gen.	9,702
Jhelum	25	26	Brit.	N. Pac. Trading Co.	Pt. Alberni, B. C.	South Africa	(22)	6,806
Gypsum Queen.	25	26	Brit.	Chile Nit. Sales Corp.	Iquique, Chile.	Gulfpport, Miss.	Nitrate	6,419
Porto Bello ²	25	26	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(23)	10
Imperial ²	26	26	Chile.	Chilean S. S. Co.	Valparaiso, Chile.	Hamburg, Ger.	General.	5,168
Mussolini ²	26	27	Pan.	Dom. Compadonico	Darien, R. P.	Cristobal, C. Z.	Bananas	45
Isar	26	27	Ger.	North German Lloyd.	Vancouver, B. C.	Hamburg, Ger.	General.	10,075
Fresno City ²	26	26	Brit.	Mitsui Bussan Kaisha	Rashin, Korea.	Rotterdam, Neth.	Soy beans.	8,500
Kinkawa Maru ²	26	27	Jap.	Kawasaki K. Kaisha	Dairen, China.	New York, N. Y.	General.	3,616
Herman Frasch.	26	26	Amer.	Dutton Lumber Corp.	Seattle, Wash.	New York, N. Y.	Lumber.	4,950
Vinland ²	26	27	Nor.	Knutsen Line	Valparaiso, Chile.	London, England	General.	6,645
Vermont	27	27	Amer.	Calli-Eastern Line.	Portland, Oreg.	New York, N. Y.	Lumber, gen.	8,261
Ajax ¹²	23	28	Brit.	British Navy	Salinas	Jamaica, B. W. I.		
Exeter ¹²	23	28	Brit.	British Navy	Salinas	Jamaica, B. W. I.		
Silverbelle ²	27	28	Brit.	Kerr S. S. Co.	Los Angeles, Cal.	Beira, P. E. A.	(24)	6,250
Fella ²	27	28	Ital.	Italian Line.	Vancouver, B. C.	Trieste, Italy	Wheat, gen.	7,957
Napier Star	27	27	Brit.	Blue Star Line.	Lyttleton, N. Z.	Newcastle, Eng.	Frozen, gen.	7,240
Waynegate	27	28	Brit.	Chile Nit. Sales Corp.	Taltal, Chile.	Azores ¹³	Nitrate	7,400
Nosiro Maru ²	28	28	Jap.	Nippon Yusen Kaisha	Kobe, Japan	Baltimore, Md.	Silk, gen.	1,795
H. D. Collier ¹	27	28	Amer.	Standard Oil of Calif.	El Segundo, Calif	Cherbourg, Fr.	Gasoline.	10,375
City of San Francisco.	27	28	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General.	4,339
Nuevo Panama ²	28	28	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	90
Domy	27	28	Brit.	Sir R. Ropner & Co.	Portland, Oreg.	Cobb, Ireland ¹³	Wheat.	8,157
Kansan	28	28	Amer.	Amer.-Hawaiian Line.	Tacoma, Wash.	Baltimore, Md.	General.	6,439
Wisconsin	28	1	Fr.	French Line.	Vancouver, B. C.	Havre, France.	General.	7,582
Acajutla	27	28	Brit.	Pacific Steam Nav. Co.	Champ'co, Guat.	Cristobal, C. Z.	Coffee, wood	965
Mostun ²	28	1	Nor.	Neptune Ship. Co.	Los Angeles, Cal.	Liverpool, Eng.	Fresh fruit.	1,750

¹ Tanker. ² Motor ship. ³ Submarine. ¹² Cruiser. ¹³ For orders. ¹⁴ Wheat, lumber, general. ¹⁵ Wheat, barley, lumber. ¹⁶ Coffee, hides, general. ¹⁷ Coffee, hides, rubber. ¹⁸ Copper, lumber, pulp, general. ¹⁹ Lumber, hemp, general. ²⁰ Lumber, piling, general. ²¹ Wheat, lumber, lead. ²² Lumber, canned fish. ²³ Plantains, lumber. ²⁴ Coconut oil, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
La Union ²	28	1	Pan.	A. A. Valdes	Bayano, R. P.	Cristobal, C. Z.	Bananas	27
Real ²	28	1	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	36
Sambu ²	28	1	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	45
West Ira	27	1	Amer.	McCormick S. S. Co.	Tacoma, Wash.	Buenos Aires, Arg.	Lumber, gen.	6,041
Clearpool	27	1	Brit.	Sir R. Ropner & Co.	Portland, Oreg.	Cobb, Ireland ¹³	Wheat	8,532
Nyhorn ²	28	1	Nor.	Knutsen Line	Vancouver, B. C.	S'ampton, Eng.	(¹⁵)	6,576
American Robin	1	1	Amer.	Amer.-Foreign Corp.	Pt. Angeles, Wash.	New York, N. Y.	Lumber	6,922
Asuka Maru ²	1	1	Jap.	Nippon Yusen Kaisha	Yokohama, Japan	Boston, Mass.	(¹⁶)	8,526
Orari ²	1	1	Brit.	N. Z. Shipping Co.	Lyttleton, N. Z.	London, England	Frozen, gen.	6,128
Santa Lucia	28	2	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	5,137
Axel Johnson ²	1	2	Swed.	Johnson Line	Vancouver, B. C.	Stockholm, Swed.	(¹⁷)	6,272
Rimutaka	1	1	Brit.	N. Z. Shipping Co.	Wellington, N. Z.	London, England	Frozen, gen.	4,884
Point Estero	2	2	Amer.	Swayne & Hoyt	Seattle, Wash.	Panama City, Fla.	Lumber, gen.	5,890
Losmar	1	2	Amer.	Calmar Line	Pt. Angeles, Wash.	Baltimore, Md.	Lumber	5,778
Henry D. Whiton	1	2	Amer.	Dutton Lumber Corp.	Tacoma, Wash.	Providence, R. I.	Lumber	5,475
Port Saint John ²	1	2	Brit.	M. A. N. Z. Line	Auckland, N. Z.	St. John, N. B.	(¹⁸)	3,301
Torvanger ²	1	2	Nor.	Chilean Nitrate, Lond.	Tocopilla, Chile	Azores ¹³	Nit. in bulk	10,200
Minnesota	1	2	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	5,957
Steel Mariner	2	2	Amer.	Isthmian S. S. Lines	Hilo, T. H.	New Orleans, La.	Sugar	1,802
Dallas City ²	2	2	Brit.	Reardon Smith Line	Rashin, Korea	Rotterdam, Neth.	Soy beans	8,900
Arna ²	2	2	Nor.	Seaboard Shipping Co.	Pt. Alberni, B. C.	Philadelphia, Pa.	Lumber	7,200
El Mirlo ^{1 2}	3	3	Brit.	C. T. Bowring & Co.	Cabo Bl'co, Peru	Ellesmere, Eng.	(¹⁹)	11,416
Sidney M. Hauptman	2	3	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	7,154
Durazzo	2	5	Ger.	Hamburg-Amer. Line	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, hides	699
Nero ²	3	4	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee, hides	393
Steel Exporter	2	3	Amer.	Isthmian S. S. Lines	Honolulu, T. H.	Baltimore, Md.	Sugar, pines	8,129
Birdgepool	2	3	Brit.	Sir R. Ropner & Co.	Portland, Oreg.	Cobb, Ireland ¹³	Wheat	7,942
Munchen ²	2	4	Ger.	North German Lloyd	Puerto Montt	Hamburg, Ger.	General	6,478
Norfolk	2	3	Brit.	Federal Steam Nav. Co.	N. Plymouth, N. Z.	Glasgow, Scot.	Frozen, gen.	8,279
San Conrado ^{1 2}	3	3	Brit.	Eagle Oil & Ship. Co.	Los Angeles, Cal.	Aruba, N. W. I.	Gasoline	11,696
Bennekom	3	4	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	7,947
Barrgrove	3	4	Amer.	Seaboard Shipping Co.	Vancouver, B. C.	London, England	Wheat, lum.	6,750
Katrina Luckenbach	3	4	Amer.	Luckenbach Line	Portland, Oreg.	Tampa, Fla.	General	6,550
Orotava	3	4	Hond.	United Fruit Co.	Acajutla, Salv.	New Orleans, La.	(²⁰)	846
Trois Ilets	3	5	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	317
Istmo	3	5	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	617
Clio ²	3	5	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	(²¹)	111
Port Montreal ²	4	5	Brit.	M. A. N. Z. Line	Sydney, N. S. W.	Halifax, N. S.	(²²)	3,211
Moon Mist ^{2 6 2}	17	5	Amer.	Dr. H. J. Hoepfner	Long Beach, Cal.	Miami, Fla.	Ballast	
Reina del Pacifico ²	3	5	Brit.	Pacific Steam Nav. Co.	Valparaiso, Chile	Liverpool, Eng.	Copper, gen.	4,407
Tosan Maru ²	4	5	Jap.	Osaka Syosen Kaisya	Davao, P. I.	New York, N. Y.	General	7,175
Tolken	4	4	Swed.	Transatlantic S. S. Co.	Apia, Samoa Is.	Marseille, France	Copra, gen.	7,551
Dorothy Luckenbach	4	4	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,738
Cairnvalona	4	5	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General	5,983
Saint Dunstan	4	5	Brit.	The Saint Line, Ltd.	Vancouver, B. C.	London, England	Wheat, lum.	7,580
Pirre ²	4	5	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	29
Sona ²	4	5	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	32
Porto Bello ²	4	4	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(²³)	12
Skramstad ²	4	5	Nor.	Fern Line	Iloilo, P. I.	New York, N. Y.	Sugar	7,400
Frida	4	5	Dan.	West Coast Line	Valparaiso, Chile	New York, N. Y.	General	2,692
Getavale	5	5	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile	Azores ¹³	Nitrate	7,350
Moldanger ²	5	5	Nor.	Intercean S. S. Co.	N. Westminster, B. C.	Rotterdam, Neth.	Wheat, gen.	8,496
Peter Maersk ²	5	6	Dan.	Maersk Line	Manila, P. I.	New York, N. Y.	Oil, general	5,304
Moveria ²	5	6	Brit.	Donsdon Line	Victoria, B. C.	Glasgow, Scot.	General	5,895
Mussolini ²	5	8	Pan.	Dom. Campodonico	Panama, R. P.	Cristobal, C. Z.	Bananas	57
Sirikishina	6	6	Brit.	Anglo-Can. S. S. Co.	Pt. Alberni, B. C.	London, England	Wheat, lum.	8,626
Lebore	6	6	Amer.	Ore S. S. Corp.	Cruz Gr de Chile	Baltimore, Md.	Iron ore	21,300
Tropic Star	6	6	Nor.	Chile Nit. Sales Corp.	Antof gasta, Chile	Charleston, S. C.	Nitrate	8,357
Jane Christenson	6	7	Amer.	Arrow Line	So. Bend, Wash.	Baltimore, Md.	Lumber	6,467
Gera	6	7	Ger.	Hamburg-Amer. Line	Noumea, N. Caled	Hamburg, Ger.	Ore, wool	5,763
Nyhaug ²	6	7	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile	Norfolk, Va.	Nitrate	6,300
Lebec ¹	6	7	Amer.	Shell Oil Co.	Los Angeles, Cal.	Bayonne, N. J.	Fuel oil	9,653
Belita ^{1 2}	6	7	Nor.	Shell Oil Co.	Los Angeles, Cal.	Lands End ¹³	Diesel oil	9,430
City of Norfolk	6	7	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	4,305
Mexican	7	7	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	General	8,660
Nuevo Panama ²	7	8	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	105
San Marcos	7	7	Amer.	Quaker Line	Longview, Wash.	Philadelphia, Pa.	Lumber, gen.	8,001
Harmala	7	7	Brit.	Mitsui Bushi Co.	Dairen, China	Stettin, Ger.	Soy beans	8,804
Maranon	7	8	Peru	Peruvian Line	Callao, Peru	Iquitos, Peru	General	1,408
John Cabot	7	8	Can.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General	850
Real ²	7	9	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	29
Sambu ²	7	8	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	50
Helene Kulkundis	7	8	Greek	Anglo-Can. S. S. Co.	Stockton, Calif.	Hull, England	Barley	9,127

¹ Tanker. ² Motor ship. ⁶ Yacht. ¹³ For orders. ¹⁵ Wheat, lumber, general. ¹⁶ Raisins, clay, sugar. ¹⁷ Wheat, fruit, general. ¹⁸ Wool, hides, meat. ¹⁹ Crude oil, gasoline. ²⁰ Coffee, bananas, general. ²¹ Wood, tagua, coffee. ²² Wool pelts, tallow. ²³ Plantains, lumber.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Kenmar	8	8	Amer.	Calmar S. S. Corp.	Astoria, Calif.	Baltimore, Md.	(14)	7,914
Wandsbek	8	8	Ger.	North German Lloyd	Champan, Guat.	Bremen, Ger.	General	2,445
Tresillian	8	8	Brit.	Hain S. S. Co.	Vancouver, B. C.	Cobb, Ireland ¹⁵	Wheat	8,070
Uranienborg	8	8	Dan.	Seaboard Ship. Co.	Englewood	Boston, Mass.	Lumber	5,316
Santa Barbara ²	8	8	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	3,372
Lochmonar ²	8	9	Brit.	Royal Mail Lines	Victoria, B. C.	Rotterdam, Neth.	Frozen, gen.	9,558
Alabaman	8	9	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	6,808
Patria ²	8	9	Ger.	Hamburg-Amer. Line	Valparaiso, Chile	Hamburg, Ger.	General	5,265
William Blumer	8	9	Nor.	C. H. Sorensen & Sons	Valparaiso, Chile	New York, N. Y.	Ore, gold	5,900
Tosca ²	8	9	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile	Azores ¹³	Nit. in bags	7,300
Pacific	8	9	Amer.	Weyerhaeuser S.S. Co.	Seattle, Wash.	Norfolk, Va.	Lumber, gen.	7,655
Washington	8	9	Amer.	United States Lines	S. Francisco, Cal.	New York, N. Y.	General	2,987
Franz Klaser ^{1 2}	9	9	Pan.	W. Tankerschiff Rhed'i.	Talara, Peru	Hamburg, Ger.	Gas, fuel oil	16,322
Steel Age	9	9	Amer.	Isthmian S. S. Lines	Portland, Oreg.	Avonmouth, Eng.	(15)	8,561
Bogota ²	9	9	Ger.	North German Lloyd	Guayaquil, Ecua.	Cristobal, C. Z.	Wood, gen.	570
Huntingdon	9	10	Brit.	Federal Steam Nav. Co.	Pt. Chalmers, N.Z.	Glasgow, Scot.	Frozen, gen.	6,922
Vernon City	9	10	Brit.	Reardon Smith Line	Vancouver, B. C.	Liverpool, Eng.	Grain	8,200
Zvir	9	10	Y-Slav	Seaboard Shipping Co.	Vancouver, B. C.	Immingham, Eng.	Lum., wheat	8,052
Scottish Star	10	10	Brit.	Blue Star Line	N. Westminster, B.C.	Liverpool, Eng.	Frozen, gen.	5,680
William Luckenbach	10	10	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	(16)	6,760
Marore	10	10	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Weser ²	10	10	Ger.	North German Lloyd	Vancouver, B. C.	Hamburg, Ger.	General	7,438
Semmes ⁹	10	10	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
S-20 ⁷	10	10	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Tatekawa Maru ^{1 2}	10	10	Jap.	Kawasaki K. Kaisha	Osaka, Japan	Houston, Tex.	Ballast	
Salmonpool	10	10	Brit.	Jos. Pyke & Co.	Vancouver, B. C.	Cobb, Ireland ¹⁵	Wheat	7,890
Point Ancha	10	10	Amer.	Swayne & Hoyt	Seattle, Wash.	New Orleans, La.	General	3,448
Getuyo Maru ²	10	10	Jap.	Mitsui Bussan Kaisha	Manila, P. I.	Boston, Mass.	(17)	8,476

¹ Tanker. ² Motor ship. ⁷ Submarine. ⁹ Destroyer. ¹³ For orders. ¹⁴ Copper, pulp, lumber. ¹⁵ Lumber, copper, general. ¹⁶ Sugar, pulp, canned goods. ¹⁷ Sugar, silk, general.

Comparison of Traffic at the Suez and Panama Canals for the 12 Months Ended January 31, 1938 and 1939

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1938-39	1937-38	Increase	Decrease	1938-39	1937-38	Increase	Decrease
February	508	524		3.1	436	377	15.6	
March	578	580		0.4	506	536		5.6
April	516	621		16.9	487	473	3.0	
May	479	567		15.5	465	544		14.5
June	469	540		13.1	445	472		5.7
July	509	551		7.6	429	457		6.1
August	522	531		1.7	468	505		7.3
September	508	522		2.7	438	444		0.9
October	540	557		3.1	494	461	7.2	
November	495	526		5.9	505	435	16.1	
December	503	541		7.0	509	439	15.9	
January	472	544		13.2	501	444	12.8	
Total	6,099	6,604		7.7	5,683	5,587	1.7	

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.

Tolls Charges for Transit of the Panama Canal

(Effective March 1, 1938)

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
 - (b) Vessels in ballast without passengers or cargo—
Per net vessel-ton72
 - (c) Other floating craft, including warships, other than transports, colliers, hospital ships, and supply ships—
Per ton of displacement50
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.

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.

Ships' Chandlery Supplies

Panama Canal Storehouses carry a complete line of ships' chandlery supplies available for sale to ships.

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:"	
Private and semiprivate rooms.....	Daily, 9:30-11 a. m.; 2-4:30 p. m.; 6:30-8 p. m.
Wards.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m.
	Sunday and holidays, 9:30-11 a. m.; 2:00-4 p. m.
Section "B:"	
Ward 5, white American male, private and semiprivate rooms.....	Daily, 9:30-11 a. m.; 2-4:30 p. m.; 6:30-8 p. m.
Ward 6, foreign male and female, private rooms; American girls.....	
Ward 7, white females, private rooms.....	
Ward 8, obstetrical department, white females.....	
Nursery.....	No visitors allowed.
Section "C:"	
Wards 9 (colored section), 11, 12, and 13.....	Wednesday, Friday, Sunday, and holidays, 1-2:30 p. m.
	Visitors from Atlantic side may remain until 3 p. m.
Wards 9 (white section), 10, and 14.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m.
	Sundays and holidays, 9:30-11 a. m.; 2:30-4:30 p. m.; 6:30-7:30 p. m.
	Visitors to venereal cases in wards 13 and 14 will be limited to two members of patient's immediate family.
Section "D:"	
Wards 15 and 16.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m.
	Sundays and holidays, 9:30-11 a. m.; 2:30-4:30 p. m.; 6:30-7:30 p. m.
Wards 17, 19, and 20.....	Wednesday, Friday, Sunday, and holidays, 1-2:30 p. m.
	Visitors from Atlantic side may remain until 3 p. m.
Ward 18.....	Daily, 9:30-11 a. m.; 2-4:30 p. m.
Isolation section.....	No visitors permitted except to adults to visit tuberculosis patients Thursday, Sunday, and holidays, 1:30-3 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.

Dispensary Hours

Location	Week days		Sundays and holidays
	Morning	Afternoon	Morning
Ancon.....	8:00-11:00	3:00-5:00	9:00-10:00
Balboa.....	8:00-11:00	3:00-5:00	9:00-10:00
Colon.....	8:00-11:00	3:00-5:00	8:00-10:00
Gatun.....	8:00-11:00	3:00-5:00	8:30-9:30
Gamboa.....	8:00-11:00	3:00-5:00	9:00-10:00
Pedro Miguel.....	8:00-11:00	3:00-5:00	9:00-10:00

Gorgas Hospital Out-Patient Clinic Hours

	Daily, except Sundays and holidays	
	Morning	Afternoon
Medical Clinic.....	*11:00-12:00	*2:00-4:00
Branch Medical Clinic, by appointment only.....	8:00-12:00	1:00-4:00
(Consultations only on Saturday, 8-12 a. m.)		
Allergy Clinic, by appointment only, Thursday.....		1:00-3:30
Surgical Clinic.....		2:00-3:00
Eye, Ear, Nose and Throat Clinic, white patients.....		*2:00-3:00
Eye, Ear, Nose and Throat Clinic, colored patients.....	*8:00-12:00	
X-Ray Clinic.....	8:00-12:00	1:00-4:00
Radio-Therapy Clinic.....	8:00-12:00	1:00-4:00
Hydro-Therapy Clinic.....	8:00-12:00	1:30-4:00
Silver Dental Clinic.....	8:00-12:00	1:00-4:00

* And by appointment.

Colon Hospital and Dispensary Clinic Hours

	Week days		Sundays and holidays
	Morning	Afternoon	Morning
Eye, Ear, Nose and Throat Clinic.....	10:30-12:00	*1:00-4:00	8:00-10:00
Gold Clinic.....	8:30-11:00	3:00-5:00	8:00-10:00
Silver Clinic.....	8:00-11:00	3:00-5:00	8:00-10:00
Surgical Clinic.....		1:00-4:00	
Maternity and Children's.....	8:30-11:00	3:00-5:00	
Silver Dental Clinic.....	8:00-12:00	2:00-5:00	
X-Ray.....	11:00-12:00	2:00-3:00	

* Excepting Fridays

Visiting Hours, Colon Hospital

Section and Ward	Visiting Hours
Ward A, male, white (ward and semiprivate rooms).....	Daily, 2 to 4 p. m.; 6:30 to 8 p. m.
Ward C, male and female, white (ward and private rooms) (No visitors allowed in nursery)	Daily, 2 to 4 p. m.; 6:30 to 8 p. m.
Ward B, female, colored (ward and semiprivate rooms)...	Tuesday, Thursday, Sunday, and holidays, 2 to 3:30 p. m.
Ward E, male, colored.....	Tuesday, Thursday, Sunday, and holidays, 2 to 3:30 p. m.

Visiting Hours, Corozal Hospital for the Insane

Sundays, Wednesdays, and holidays:

9 a. m. to 10:30 a. m.

1 p. m. to 3:30 p. m.

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. 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.

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."

Trips Through the Canal

The following lines operating passenger carrying vessels through the Canal carry local passengers from one terminal to the other: Grace Line, Johnson Line, Hamburg-American Line, North German Lloyd, Navigazione Generale Italiana, Pacific Steam Navigation Co. The Panama Pacific Line carries passengers from Balboa to Cristobal only, their rate being \$10, first class only. The rate is \$5 on the Grace Line, Johnson Line, and Pacific Steam Navigation Co., and \$6 on the Hamburg-American Line, North German Lloyd, and Navigazione Generale Italiana vessels, first class passage. The Pacific

Steam Navigation Company also have a rate of \$4 second class and \$2 third class.

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, 7:00 a. m.; 11 a. m.; 5 p. m.; 10 p. m.

From Panama: Daily, 7:05 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.

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Volume XXXII

Balboa Heights, C. Z., April 15, 1939

No. 9

Traffic Through the Panama Canal in March 1939

The total vessels of all kinds transiting the Panama Canal during the month of March 1939, and for the same month in the two preceding years, are shown in the following tabulation:

	March 1939			March	
	Atlantic to Pacific	Pacific to Atlantic	Total	1938	1937
Ocean-going commercial traffic.....	296	257	553	506	536
Small commercial traffic ¹	46	33	79	77	80
Noncommercial traffic:					
United States Government.....	33	4	37	40	57
For repairs.....	1	2	3		1
Colombian Government.....					1
Total.....	376	296	672	623	675

¹ Vessels under 300 net tons, Panama Canal measurement.

OCEAN-GOING COMMERCIAL TRAFFIC ²

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 twelve month period ended March 31, 1939, as compared with the corresponding period ended March 31, 1938:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1938-9	1937-8	1938-9 ³	1937-8 ⁴	1938-9	1937-8	1938-9	1937-8
April.....	487	473	2,258,836	2,276,000	2,279,235	2,652,880	\$1,961,456.58	\$2,067,026.68
May.....	465	544	2,150,228	2,626,000	2,309,171	2,950,925	1,886,825.66	2,376,706.36
June.....	445	472	2,064,793	2,266,000	2,122,389	2,670,466	1,801,291.78	2,070,337.89
July.....	429	457	1,933,816	2,216,000	2,025,660	2,476,366	1,694,205.00	2,029,642.45
August.....	468	505	2,177,699	2,402,000	2,171,674	2,750,603	1,890,050.74	2,195,308.87
September.....	438	444	2,005,241	2,139,000	1,998,464	2,385,142	1,741,895.46	1,935,673.78
October.....	494	461	2,276,194	2,182,000	2,359,673	2,438,788	1,977,706.76	1,981,087.87
November.....	505	435	2,302,333	2,110,000	2,223,830	2,185,283	1,984,014.72	1,893,462.00
December.....	509	439	2,336,011	2,070,000	2,374,395	2,046,170	2,031,017.04	1,845,048.20
January.....	525	444	2,380,916	2,053,000	2,393,360	2,095,402	2,062,454.16	1,837,894.72
February.....	501	436	2,282,318	1,993,000	2,206,963	1,998,827	1,996,735.66	1,786,611.45
March.....	553	506	2,586,580	2,311,526	2,664,068	2,268,548	2,252,156.28	2,015,585.34
Total.....	5,819	5,616	26,754,965	26,644,526	27,123,882	28,949,400	23,279,809.84	24,034,385.61

² Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons and over, Panama Canal measurement.

³ Panama Canal net tonnage as figured under rules which became effective March 1, 1938.

⁴ Estimated tonnage under rules which became effective March 1, 1935.

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 1939. 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	2,657	\$2,115.36	1,122
Pacific to Atlantic.....	33	1,812	1,602.00	2,000
Total.....	79	4,469	3,717.36	3,122

Traffic by Nationality of Vessels⁵ for March 1939

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
British.....	6 153	793,541	\$678,682.28	701,193
Chilean.....	2	10,032	9,028.80	6,439
Danish.....	18	65,211	57,532.68	58,953
French.....	7 7	34,741	35,154.40	29,076
German.....	34	135,133	121,069.98	124,115
Greek.....	18	85,486	71,982.72	101,538
Honduran.....	6	9,729	8,756.10	2,956
Italian.....	4	22,900	20,610.00	9,983
Japanese.....	24	139,029	123,918.12	169,988
Netherland.....	24	60,601	54,540.90	53,397
Norwegian.....	65	305,591	258,493.68	346,836
Panamanian.....	16	34,153	30,737.70	62,413
Peruvian.....	1	2,259	2,033.10	1,408
Soviet.....	1	1,063	956.70	1,267
Swedish.....	13	56,710	49,525.56	80,971
United States.....	161	804,779	706,830.48	873,126
Yugoslav.....	6	25,622	22,303.08	40,409
Total.....	553	2,586,580	2,252,156.28	2,664,068

⁵ Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.⁶ Includes 1 naval vessel of 1,300 displacement tons.⁷ Includes 1 naval vessel of 7,775 displacement tons.

Traffic by Trade Routes for March 1939

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.....	63	308,184	237,746	53	279,825	387,761
East coast United States and:						
Canada.....	2	6,989	5,488	4	16,440	26,131
Central America/Mexico.....	5	7,735	4,186	3	4,859	2,332
South America.....	28	115,119	19,839	23	91,976	215,514
Hawaiian Islands.....	4	17,842	17,891	4	19,201	26,184
Australasia.....	7	38,006	37,379			
Philippine Islands.....	10	32,159	48,609	21	105,116	145,788
Far East.....	41	204,334	313,069	2	13,090	8,350
Canada intercoastal.....	2	10,026	2,729	1	4,180	5,824
East coast Canada and:						
South America.....				1	2,126	4,340
Australasia.....	4	21,252	18,635	4	21,520	12,246
Far East.....	2	12,280	15,970			
Central America/Mexico intercoastal.....	1	3,054		1	6,264	
East coast Central America/Mexico and United States.....				1	4,634	8,134
South America intercoastal.....	3	8,006	13,786	1	2,259	1,408
East coast South America and:						
Canada.....	2	8,643	12,259			
Far East.....	1	4,949	4,352			
Cristobal and:						
Central America/Mexico.....	4	2,692	2,090	4	2,692	3,604
South America.....	13	7,125	4,978	17	9,994	8,241
West Indies and:						
United States.....	1	5,897		3	18,067	36,223
Central America/Mexico.....				1	1,276	
South America.....	3	16,897	21,488			
Far East.....	1	2,706	5,020			
Europe and:						
United States.....	9	48,350		13	56,079	65,146
Canada.....	44	235,917	36,901	42	207,493	325,987
Central America/Mexico.....	2	5,390	8,502	1	1,943	2,274
South America.....	27	141,141	45,445	28	154,376	220,369
Hawaiian Islands.....	1	5,012	6,023	1	6,186	13,373
Australasia.....	11	86,047	51,498	15	105,819	92,004
Far East.....				6	32,305	48,721
Egypt and South America.....				1	4,206	8,550
Africa and:						
Canada.....				1	5,073	6,795
Central America/Mexico.....				1	2,368	2,445
Australasia.....	1	4,343	8,200			
Around the world.....	2	14,734	6,579	1	6,543	7,362
Foreign vessels in ballast (United States intercoastal).....	1	4,808				
Vessels not engaged in commerce.....	⁸ 1			⁹ 3	1,033	
Total.....	296	1,399,637	948,662	257	1,186,943	1,715,406

⁸ Naval vessel. ⁹ One naval vessel and 2 yachts.

Origin and Destination of Cargo by Major Areas, March 1939

The following table summarizes the origin of cargo passing through the Canal in March 1939, 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	247,302	26,536	371,522	19,820	34,729	699,909
Other North America	1,575	7,231	9,642	33,759	22,134	74,341
Europe	26,470	23,031	.....	35,281	50,131	134,913
Miscellaneous	12,180	465	4,661	13,475	8,718	39,499
Total	287,527	57,263	385,825	102,335	115,712	948,662

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	381,260	52,602	185,634	5,224	624,720
Canada	24,782	7,366	230,614	7,795	270,557
Other North America	27,193	5,158	20,717	.....	53,068
South America	215,740	13,448	219,049	10,485	458,722
Australasia	10,706	4,894	88,650	.....	104,250
Asia	152,825	2,363	47,737	1,161	204,089
Total	812,509	85,831	792,401	24,665	1,715,406

Principal Commodities

Commodities in transit through the Canal which aggregated 10,000 or more tons either during March 1939 or March 1938, are listed below:

Commodity	March		Commodity	March	
	1939	1938		1939	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Automobiles and parts	24,370	29,340	Barley	26,801	25,469
Canned food products	9,996	11,550	Beans, edible, dry	10,702	13,414
Cement	16,362	8,836	Canned food products	103,198	92,449
Chemicals	12,358	9,541	Coffee	18,475	18,023
Coal and coke	8,723	14,068	Cold storage (food products) ¹¹ ..	40,566	43,512
Cotton, raw	33,322	21,229	Copra	24,366	6,279
Iron and steel	135,067	125,902	Cotton, raw	7,276	10,470
Machinery	16,838	15,648	Flour	13,439	25,995
Manufactured goods ¹⁰	18,559	12,132	Fruit, dried	22,802	21,983
Metals, various	21,497	21,322	Fruit, fresh ¹²	35,997	38,438
Nitrates	4,777	10,371	Lumber	251,503	209,073
Oils, mineral	117,211	75,111	Metals, various	59,073	58,728
Paper	31,863	40,197	Molasses and syrups	13,444	30
Phosphates	36,117	52,436	Nitrates	165,689	160,276
Railroad material	7,029	10,361	Oats	9,204	12,725
Scrap metal	184,031	92,452	Oils, mineral	160,104	153,659
Slag	9,897	10,745	Oils, vegetable	12,663	7,201
Sugar	889	11,870	Ores	174,944	186,068
Sulphur	28,411	16,726	Paper	8,750	15,914
Tinplate	21,020	26,319	Soy beans	40,825	75
<i>Pacific to Atlantic</i>			Sugar	149,747	136,414
Asphalt and tar	11,966	343	Wheat	209,883	107,411
			Wood pulp	19,989	21,016
			Wool	26,195	16,977

¹⁰ Except as otherwise classified. ¹¹ Except fruit. ¹² Except bananas.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of March 1939, 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.....				204
Agricultural implements.....	660		2,748	21
Alfalfa meal.....		511		847
Ammonium compounds.....	749		2,271	
Animal foods ¹²	7	599	37	749
Apparel, wearing (hats, shoes, clothing, etc.).....	30		46	11
Asbestos.....	937	87	4,581	97
Asphalt and tar.....	628	11,258	3,086	11,966
Automobiles (and autotricks).....	4,920	76	14,655	155
Automobile parts and accessories.....	1,069	9	9,715	52
Bamboo and products.....				425
Bags and bagging, textile.....	660		1,149	
Bananas.....				3,009
Barks, miscellaneous.....	30	13	195	873
Barley.....	178	13	204	26,801
Beans, edible, dry.....	130	6,326	582	10,702
Beer.....	80		114	180
Beverages, nonalcoholic.....			935	158
Blood and tankage.....			941	58
Bones and bone meal.....		58	19	198
Books and printed matter.....	11	198	29	5,561
Borax.....	27	691		1,149
Bran and pollards.....				
Bricks and tile.....	209		273	
Canned and preserved goods:				
Fish.....	325	13,416	771	18,293
Fruit.....	770	33,374	867	57,547
Meat.....	18	23	829	259
Milk.....	12	79	330	251
Soup.....	3,357		3,440	53
Vegetables.....	1,174	9,764	1,222	10,143
Miscellaneous and unclassified.....	2,159	10,775	2,537	16,652
Carbon black.....	50	9	2,060	9
Celite.....		656		676
Cement.....	624	27	16,362	29
Chalk.....			190	25
Charcoal.....	140		159	
Chemicals ¹³	5,219	971	12,358	1,701
Clay, china and fire.....	623	295	873	641
Clay, filtering.....	18		18	
Coal.....	2,446		2,638	20
Cocoa and cacao beans.....	506		1,125	1,402
Coconuts and products ¹³	111	917	170	1,530
Coffee.....	282	18	5,380	15,475
Coke.....	785	22	6,085	22
Cold storage and refrigerated products:				
Dairy products.....		95	454	17,026
Eggs.....		25		154
Fish.....	64		127	850
Lard.....	887		1,156	14
Meats.....	24	48	262	22,183
Poultry.....		26		103
Vegetables.....				186
Other and unclassified.....	28		40	50
Confectionery.....	1,216		1,388	
Copra.....		12		23,526
Copra meal and cake.....				840
Corn.....			3	
Cotton, raw.....	46	1,467	33,322	7,276
Creosote.....			26	
Drugs and medicines.....	1,934	568	2,374	573
Earthenware.....		46	154	101
Electrical apparatus and appliances.....	2,555	133	4,199	212
Enamelware and metalware.....	374	502	703	696
Explosives.....	91	51	1,458	63
Extract, quebracho.....			1,226	
Fertilizers ¹³	585	175	1,245	707
Fish, salted or dry-cured.....				14
Fish meal.....		104		1,289
Floor coverings.....	2,471	1,698	2,899	2,221
Flour.....	116	9,186	3,067	13,439
Fruit, dried.....	58	11,544	82	22,802
Fruit, fresh ¹³	1,123	2,784	2,297	35,997
Furniture and household goods.....	589	28	809	128
General.....	17,926	3,199	52,289	9,023

¹³ 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.....	2,518	119	5,773	273
Glue.....	33	14	52	14
Groceries.....	2,511	1,004	3,676	1,713
Gums.....		15	1	144
Hair, all kinds.....	373	66	388	123
Hav.....		184		289
Hemp, unmanufactured.....			30	2,869
Honey.....		497	65	559
Infusorial earth.....		718		951
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.).....	76,184	715	135,067	1,031
Ivory nuts.....			814	1,619
Jute, unmanufactured.....				2
Lard substitute.....		550		648
Lime.....			359	
Liquors.....	4,467	308	6,004	343
Lumber (including manufactured mill products).....	3,749	131,919	4,323	251,503
Machinery.....	3,168	386	16,838	502
Malt.....			268	8
Manufactured goods ¹³	8,123	1,963	18,559	3,880
Marble and granite.....	129			
Matches.....	303	96	417	97
Metals:				
Antimony.....			70	100
Copper.....	216	4,858	4,988	33,959
Gold and silver.....				27
Iron.....	1,485		6,522	
Lead.....	134	1,035	1,366	17,195
Tin.....	2,489	21	2,612	838
Zinc.....	191		2,654	6,854
Other and unclassified.....	136	62	3,285	100
Milk, powdered.....	21	271	59	1,468
Molasses and syrups.....	450	71	586	13,444
Nitrate.....	12		4,777	165,689
Nuts, edible (including meats).....	50	278	66	590
Oats.....	60	178	83	9,204
Oils, mineral:				
Crude.....	17	19,220	40,260	44,240
Gas and fuel.....	20		34,229	26,262
Gasoline, benzine, and naphtha.....	108	27,904	6,658	79,904
Kerosene.....	1	8,196	9	8,308
Lubricating and greases.....	19,678	985	35,245	1,390
Other and unclassified.....			810	
Oils, vegetable:				
Coconut.....		610	3	7,001
Linseed.....	64		270	
Olive.....	131	33	358	33
Peanut.....				1,231
Rapeseed.....				324
Teaseed.....				159
Wood.....	42		47	1,773
Other and unclassified.....	115	30	514	2,092
Oil, fish.....	23		146	1,550
Oil, whale.....			39	
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.).....	260	18	5,790	2,030
Oilseed cake and meal.....	1,981		1,981	3,329
Ores:				
Antimony.....			34	369
Copper.....			808	7,942
Gold and silver.....				5,988
Iron.....			255	134,550
Lead.....		750		5,349
Magnesite.....		1,503		1,503
Manganese.....	138	46	198	1,586
Tin.....				4,321
Zinc.....	120		130	7,522
Other and unclassified.....	643		2,047	5,814
Paints and varnishes.....	1,528	134	3,469	435
Paper and paper products ¹³	10,025	8,347	31,863	8,750
Peanuts.....	849		849	360
Peas, dry.....		54		236
Peatmoss.....	9		1,484	
Phosphates.....	574		36,117	
Plaster.....			68	
Porcelainware.....	306	134	1,188	1,675
Potash.....		948	3,750	948
Pyrethrum flowers.....				53
Rags and waste.....	103	33	1,437	478
Railroad material.....	1,704		7,029	209
Rice.....	1,035	482	2,163	2,443

¹³ 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.....	238	61	384	313
Rosin.....	2,179	7	5,182	7
Rubber:				
Manufactured.....	212	852	844	1,270
Raw.....	763		2,472	1,632
Scrap.....			1,837	56
Salt.....	307	699	3,495	1,095
Sand.....		39	1,763	1,105
Scrap metal.....	63	102	184,031	534
Seeds (except oilseeds).....	6	231	295	445
Sewer pipe (concrete and terra cotta).....	80		80	
Shells, oyster.....	683		683	501
Silk, raw.....		52	17	896
Skins and hides.....	10	2,234	579	6,190
Slag.....			9,897	
Slate.....	1,655		1,663	
Soaps and products.....	1,834	197	2,034	253
Soda and sodium compounds:				
Soda ash.....	176		488	
Soda, caustic.....	637		1,823	10
Miscellaneous and unclassified.....	584	30	755	38
Soy beans.....	201		203	40,825
Spices.....	96	3	182	102
Sugar.....	66	16,948	889	149,747
Sulphur.....	15,703	86	28,411	104
Talc.....		144		543
Tallow.....	86	610	140	4,750
Tea.....	85		352	554
Textiles ¹⁴	5,569	10	9,566	3,042
Tinplate.....	4,723	27	21,020	52
Tobacco and manufactures.....	550	107	8,969	301
Toilet preparations.....	397		406	22
Turpentine.....	134		301	
Vegetables, dry ¹⁵				3,686
Wall board.....	142		614	320
Wax, paraffin.....	357		1,775	845
Wheat.....	34	76	36	209,583
Wines.....	220	2,039	871	3,909
Wood pulp.....	4,190	17,402	7,415	19,989
Wool.....	10	2,673	130	26,195
Total, March 1939.....	247,302	381,260	948,662	1,715,406
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

¹³ Except as otherwise classified.¹⁴ Cotton, silk, wool, rayon goods.

Tanker Traffic

The following tabulation shows, according to trade routes, the tanker traffic through the Canal during the month of March 1939:

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.....	11	60,652	12,548	6	33,635	¹⁵ 66,578
East coast United States and:						
South America.....	1	6,101				
Philippine Islands.....	1	3,864				
Far East.....	3	19,969	38,124	1	6,711	
Central America/Mexico intercoastal.....				1	6,264	
South American intercoastal.....	1	6,061	12,460			
West Indies and:						
United States.....	1	5,897		3	18,067	36,223
South America.....	2	11,780	21,488			
Europe and:						
United States.....	4	25,904		2	12,619	24,693
South America.....	4	26,134		3	21,358	42,082
Hawaiian Islands.....				1	6,186	¹⁶ 13,373
Total.....	28	166,362	84,620	17	104,870	182,949

¹⁵ Includes 11,258 tons of asphalt.¹⁶ Molasses.

Comparison of Canal Traffic in March 1939, 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 ¹⁷	136	(000 omitted) 440	(000 omitted) 607	1915.....	18 100	(000 omitted)	(000 omitted) 466
1916 ¹⁹	139	424	571	1916.....	60	334	258
1917.....	171	539	661	1917.....	145	447	588
1918.....	151	442	505	1918.....	165	506	627
1919.....	226	758	894	1919.....	162	472	576
1920.....	251	1,030	1,084	1920.....	199	659	781
1921.....	231	902	960	1921.....	232	879	966
1922.....	403	1,839	1,941	1922.....	222	880	907
1923.....	424	1,976	2,272	1923.....	325	1,434	1,631
1924.....	393	1,817	2,104	1924.....	429	2,016	2,249
1925.....	496	2,217	2,606	1925.....	382	1,761	1,996
1926.....	490	2,232	2,533	1926.....	424	1,909	2,169
1927.....	525	2,256	2,427	1927.....	441	2,020	2,311
1928.....	526	2,374	2,742	1928.....	521	2,269	2,468
1929.....	505	2,317	2,557	1929.....	524	2,299	2,554
1930.....	427	2,044	1,914	1930.....	502	2,310	2,502
1931.....	348	1,724	1,643	1931.....	447	2,140	2,089
1932.....	369	1,838	1,737	1932.....	364	1,820	1,650
1933.....	508	2,499	2,465	1933.....	347	1,758	1,513
1934.....	455	2,218	2,210	1934.....	436	2,201	2,059
1935.....	526	2,511	2,634	1935.....	432	2,143	2,109
1936.....	536	2,562	3,016	1936.....	449	2,160	2,209
1937.....	506	2,312	2,269	1937.....	467	2,224	2,507
1938.....	553	2,587	2,664	1938.....	460	2,163	2,282
1939.....				1939 (9 months)...	491	2,253	2,269

¹⁷ Canal opened August 15, 1914. ¹⁸ Average for 10½ months of fiscal year ended June 30, 1915. ¹⁹ Canal closed on account of slides.

Terminal Activities

Ships repaired during the month of March 1939 numbered 53. Vessels released from drydock numbered 11. Fuel oil amounting to 340,267 barrels was delivered as bunkers to 156 commercial vessels. Bunker coal amounting to 5,528 tons was delivered to 27 commercial vessels. Sales of commissary supplies to ships aggregated \$55,695.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving..... tons..	24,932	6,945	31,877
Local cargo shipped..... tons..	2,270	1,846	4,116
Cargo received for transshipment..... tons..	49,981	162	50,143
Cargo transhipped..... tons..	46,544	62	46,606
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	6	2	8
Number of releases issued.....	43	9	52
Tons received.....	36	6	42
Tons withdrawn.....	37	11	48

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.....	655	3,996,071	2,426,337	603	3,446,754	2,137,118
Vessels entering port but not transiting Canal.....	73	537,837	297,548	9	7,802	6,202
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	153	928,128	556,299	103	715,911	435,672
<i>Ships clearing</i>						
All vessels, including those transiting Canal.....	650	4,005,819	2,429,209	605	3,454,806	2,133,356
Vessels clearing port but not transiting Canal.....	69	541,449	297,398	7	7,749	6,172
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	154	937,254	561,099	103	720,471	436,888

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, 1939, to midnight April 10, 1939. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

West Ivis, 50, 5	Benjamin Franklin, 25, 5	Sona, 0, 8	Helga, 0, 78	Zamazuki Maru, 380, 0
Istmo, 779, 448	554	Hermionthis, 28, 979	De La Salle, 154, 24	Breda, 5, 238
Josephine H., 0, 35	Nako Maru, 409, 119	Inn, 75, 71	Osnabruck, 152, 1,420	Argentina, 80, 187
Ino, 598, 157	Telde, 4,931, 212	Platano, 1,283, 83	Jersbek, 7, 216	Damsterdijk, 259, 133
Este, 159, 126	Rhein, 12, 182	Pereira, 830, 657½	Portland, 30, 140	Contessa, 608, 608
Colombo, 226, 113	Sixola, 156, 103	Crawford Ellis, 0, 252	Swiftarrow, 11,107, 0	City of Los Angeles, 253, 0
Soerates, 134, 18	Loreto, 2, 216	Nankai Maru, 226, 198	Cristobal, 4,550, 585	R. L. Hustler, 0, 1
Saarland, 27, 162	Cuba, 8, 142	Iserlohn, 17, 176	Maui, 283, 0	Platano, 687, 0
Orbita, 56, 86	Orazio, 258, 0	Jamaica, 104, 1,138	Acajutla, 1,032, 0	Trois Ilets, 200, 16
Veragua, 64, 281½	Nero, 466, 310	Santa Barbara, 350, 143½	Crown City, 159, 0	Knut Nelson, 4½, 615
Santa Rosa, 170½, 288	Kinka Maru, 243, 0	Barneveld, 94, 90	R. L. Hustler, 1½, 0	Sea Star, 3, 0
Chester Valley, 334, 934	Allister, 127, 0	Drechtidijk, 160, 181	Telde, 269, 554	John Cabot, 1,176, 535
Santa Inez, 39, 12	American Reefer, 18, 0	Ulua, 566, 47	Manoeran, 1,210, 0	San Rafael, 738, 1 box
Delftdijk, 244, 55	Arizona, 946, 61	Guayaquil, 2,164, 439	Havalland, 0, 5	Cadmus, 3, 81
Trois Ilets, 215, 93	Phrygia, 0, 1,285½	Clio, 325, 135	Santa Inez, 280, 158	Santa Clara, 380, 7
Cefalu, 238, 688	Skjelbred, 595, 0	Nero, 288, 110	Orotava, 342, 201	Chiriqui, 239, 895
Cordillera, 0, 768	Ino, 342, 126	Cerigo, 647, 325	Santa Marta, 177, 148	Cerigo, 1, 333
Salvador, 1,004, 407	Istmo, 494, 207	Istmo, 716, 154	Cardonia, 749, 472	Roda, 37½, 109
Maine, 644, 0	Marna, 0, 92	Pasajero, 23, 16	Patricia, 18, 383	Kyusyu Maru, 170, 103
Maimoa, 54, 0	Gertrude Maersk, 229, 127	Tai Yin, 487, 0	Rialto, 133, 127	Istmo, 657, 487
Wyoming, 196, 188	San Francisco, 285, 385	Erlangen, 289, 54	Ino, 246, 330	Clio, 473, 348
Sona, 0, 7	Emma Bakke, 370, 15	Europa, 0, 50	President Harrison, 1, 0	Rhakotis, 260, 1,589
Cuba, 31, 21	Douro, 347, 210	Eridan, 0, 19	Kaikoura, 98, 202	Durazzo, 920, 0
Dresden, 87, 58	Soerates, 0, 1,577	San Lucas, 406, 4	De La Salle, 8, 1,101	Feodosia, 130½, 61
Orotava, 165, 422	Francis R. Hart, 6,676, 0	Colombia, 117, 92	Istmo, 793, 457	Tolosa, 1,473, 182½
Musa, 964, 43	Chiriqui, 11, 140½	Trois Ilets, 354, 0	Colombia, 8, 1,745	Buenaventura, 2,554, 740
Ancon, 4,782, 940	Santa Paula, 144, 253	Talamanca, 49, 30	Leme, 157, 19	Armdina, 213, 58
Santa Lucia, 315, 130	Durazzo, 34, 117	Santa Elena, 155, 167	Baarn, 322, 1,092	Aeoneagua, 124, 0
Elisha Walker, S, 640, 0	Hopepeak, 227, 0	Dakarian, 291, 0	Douro, 332, 30	Orduna, 31, 96
Margaret Johnson, 124, 85	Helder, 365, 226	Canada, 24, 148	West Caetus, 42, 218	Annie Johnson, 190, 247
Pasajero, 0, 35	Macabi, 0, 639	Dusseldorf, 124, 113	Chilean Reefer, 198, 0	Santa Paula, 84, 253
Vancouver, 124, 112	Savokla, 181, 0	Keiyo Maru, 60, 0	Bogota, 1,200, 247	Jamaica, 39, 139
Nuernberg, 57, 1,927	Contessa, 309, 637	Kimikawa Maru, 645, 0	Caribia, 151, 34	Vermont, 385, ½
Oregon, 48, 423	Taeoma, 385, 147	Dinteldijk, 158, 178	Quirigua, 156, 397	Lochavon, 155, 276
Quirigua, 188, 572	City of Newport News, 367, 0	Cefalu, 384, 580	Santa Rosa, 96, 386	
Miss C. B., 0, 9	Baldbutte, 253, 0	Oropesa, 36, 382	Santa Rita, 123, 0	
Quito, 747, 379	Santa Clara, 187, 44½	Musa, 1,279, 491	Nero, 517, 133	
		Chiriqui, 0, 56½	Acajutla, 0, 424	

BALBOA

Santa Rita, 171, 1	Emma Bakke, 474, 0	Santa Barbara, 135, 6	Margrethe Bakke, 74, 0	Santa Clara, 88, 1
Este, 0, 70	Brazos, 4,250, 0	Tai Yin, 57, 0	0	Mostun, 0, 2
Wyoming, 1,331, 0	Salvador, 0, 5	Ludington, 536, 1,129	Santa Inez, 129, 3	Pat Doheny, 10,489, 0
Santa Lucia, 124, 3	Macabi, 0, 1	Santa Maria, 19, 0	Greta Maersk, 157, 20	Skeldergate, 570, 0
Gertrude Maersk, 160, 0	Santa Clara, 49, 0	Santa Maria (Union), 12,182, 0	Republic, 637, 75	
City of San Francisco, 0, 2	City of Newport News, 123, 0	Crown City, 105, 0	City of Los Angeles, 131, 0	
	Henderson, 1, 171	Rialto, 599, 0	Heiyo Maru, 0, 39	

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

Passengers

During March 1939, ocean-ship passengers debarking at Cristobal numbered 2,300, embarking 2,442; at Balboa, 776 debarking, 931 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 4,561; from the Pacific to the Atlantic, 3,924. Commercial aircraft numbering 92 entered Cristobal, 260 passengers debarking; clearances were 92 with 268 passengers embarking. Balboa entries of aircraft numbered 52, with 135 passengers debarking; clearances were 52 with 128 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, \$1.65 per barrel at Cristobal and Balboa.

Movements of Ocean Vessels Through the Panama Canal

From midnight March 10, 1939, to midnight April 10, 1939

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Santa Rita ²	10	11	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile	General	2,506
Thrush ¹⁰	10	11	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Bachaquero ¹	10	11	Brit.	West India Oil Co.	Aruba, N. W. I.	Balboa, C. Z.	Drydocking	.....
Ivaran ²	10	11	Nor.	Ivarana Rederi	Newp't News, Va.	Manila, P. I.	General	6,954
Lylepark	11	11	Brit.	Mitsubishi S. Kaisha	Lake Charles, La.	Yawata, Japan	Scrap steel	7,403
Chile ²	9	11	Swed.	Johnson Line	Stockholm, Swed.	San Antonio, Chile	General	3,336
San Felipe	10	12	Amer.	Pac-Atlantic S. S. Co.	Jacksonville, Fla.	Seattle, Wash.	General	4,195
Clio ²	4	12	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	321
Bogota ²	9	12	Ger.	North German Lloyd	Cristobal, C. Z.	Guayaquil, Ecua.	General	294
Arosa ²	11	12	Nor.	Ischudi & Eitzen	Philadelphia, Pa.	Yokohama, Japan	Scrap steel	7,425
Minerva ²	11	12	Nor.	Chile Nit. Sales Corp.	Charleston, S. C.	Tocopilla, Chile	Ballast	.....
Americ	11	12	Brit.	Mersey Paper Co.	Liverpool, N. S.	Auckland, N. Z.	Paper	4,107
Caduceus	11	12	Brit.	Chile Nit. Sales Corp.	Stettin, Germany	Chile	Ballast	.....
Colon ²	2	19	Pan.	Dom. Campodonico	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Texmar	3	11	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	4,911
West Ivis	11	12	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Vancouver, B. C.	Gen., linned	6,654
Athelknight ^{1 2}	12	12	Brit.	Mitsubishi & Co.	Corpus Ch'ti, Tex.	Yokohama, Japan	Crude oil	12,852
Horace Luckenbach	12	12	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	4,615
City of Los Angeles	12	12	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	3,004
Este	12	13	Ger.	North German Lloyd	Hamburg, Ger.	Vancouver, B. C.	General	2,401
Istmo	11	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	750
Roxen	12	13	Swed.	Transatlantic S. S. Co.	Baltimore, Md.	Vancouver, B. C.	Ballast	.....
Mount Atlas	12	13	Greek	Kulunkundis, Ltd.	New York, N. Y.	Yokohama, Japan	Scrap iron	8,100
Athelregent ^{1 2}	12	13	Brit.	United Molasses Co.	Falmouth, Eng.	Los Angeles, Cal.	Ballast	.....
Emidio ¹	12	13	Amer.	Shell-Union Oil Co.	Boston, Mass.	Los Angeles, Cal.	Ballast	.....
Bethore	12	13	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Nicolau Virginia	13	13	Greek	George Nicolau	Amsterdam, Neth.	Vancouver, B. C.	Ballast	.....
Hallingdall ²	13	13	Nor.	Boe & Pedersen	Habana, Cuba	Yokohama, Japan	Scrap iron	5,020
Ino ²	11	14	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	142
John Cabot	8	14	Brit.	West India S. S. Co.	Cristobal, C. Z.	Champ'co, Guat.	General	513
Saarland	12	14	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Corral, Chile	General	2,326
Mussolini ²	13	14	Pan.	Dom. Campodonico	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Yearby	13	14	Brit.	Ropner Shipping Co.	N. Shields, Eng.	Vancouver, B. C.	Ballast	.....
Delftdijk ²	13	14	Neth.	N. Pac. Coast Line	Rotterdam, Neth.	Portland, Oreg.	Tinplate, gen.	1,844
Californian ²	14	14	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	3,440
Svealand ²	14	14	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Braganza ²	14	14	Nor.	Long Is. Metal Co.	Houston, Tex.	Kobe, Japan	Scrap iron	8,996
Louisianan	14	14	Amer.	Amer.-Hawaiian Line	New York, N. Y.	Portland, Oreg.	General	2,050
Agapenor	14	14	Brit.	Ocean S. S. Corp.	Liverpool, Eng.	Shanghai, China	General	3,736
Point Lobos	14	15	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	General	4,929
L. P. St. Clair ¹	14	15	Amer.	Union Oil of Calif.	New York, N. Y.	Los Angeles, Cal.	Lub. oil	8,000
La Plata Maru ²	14	15	Jap.	Osaka Shos'n Kaisha	Buenos Aires, Arg.	Kobe, Japan	Gen., wool	4,352
Pacific Ranger ²	14	15	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General	636
Porto Bello ²	14	15	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Col. Riche ⁵	14	15	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....
Antietam	14	15	Amer.	Shell-Union Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	.....
Nuevo Panama ²	14	15	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Panama, R. P.	Ballast	.....
Maine	14	15	Amer.	Calif.-Eastern Line	New York, N. Y.	Seattle, Wash.	General	3,309
Spencer Kellogg ¹	14	15	Amer.	Kellogg S. S. Co.	New York, N. Y.	Manila, P. I.	Ballast	.....
Grayburn	14	15	Brit.	Chile Nit. Sales Corp.	Mobile, Ala.	Chile	Ballast	.....
Lafcoino	15	15	Amer.	Luckenbach Line	Mobile, Ala.	S. Francisco, Cal.	General	4,382
Trojan Star	15	16	Brit.	Blue Star Line	Liverpool, Eng.	Auckland, N. Z.	General	8,607
Athina Livanos	15	16	Greek	Salacencia	Pt. Royal, Jam.	Chile	Ballast	.....
Wyoming	15	16	Fr.	French Line	Dunkerque, Fr.	Vancouver, B. C.	(14)	3,532
Washingtonian	15	16	Amer.	Amer.-Hawaiian Line	Wilmingon, N. C.	Tacoma, Wash.	Gen., steel	4,046
Ensley City	15	16	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Tacoma, Wash.	Gen., steel	4,219
Kentuckian	15	16	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,932
Sona ²	14	16	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	Flour	7
Real ²	14	16	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Tuira ²	14	16	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
American Oriole	15	16	Amer.	Freeport Sulphur Co.	Pt. Sulphur, La.	Los Angeles, Cal.	Sulphur	7,900
Santa Lucia	15	16	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	3,837
Bushnell ¹³	14	16	Amer.	U. S. Navy	Norfolk, Va.	Pearl Harb., T. H.	Ballast	.....
Ida Bakke ²	15	16	Nor.	Christian Haaland	S'ampton, Eng.	Vancouver, B. C.	Ballast	.....
Houston City ²	15	16	Brit.	Sir W. R. Smith & Son	New Orleans, La.	Osaka, Japan	General	7,700
Orotava	15	17	Hond.	United Fruit Co.	New Orleans, La.	Champ'co, Guat.	General	270
Point Caleta	15	17	Amer.	Swayne & Hoyt	New Orleans, La.	Los Angeles, Cal.	Steel, gen.	6,052
Recina	16	17	J-Slav.	Mitsubishi S. Kaisha	Texas City, Tex.	Kobe, Japan	Scrap iron	7,782
Foylebank ²	16	17	Brit.	Bank Line, Ltd.	Boston, Mass.	Shanghai, China	General	3,520
Feodosia	16	17	Ger.	Hamburg-Amer. Line	Pt. Limon, C. R.	Champ'co, Guat.	Ballast	.....
Mariston	16	17	Brit.	Chile Nit. Sales Corp.	Norfolk, Va.	Chile	Ballast	.....
Col. Riche ⁵	16	17	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁵ Launch. ¹⁰ Mine sweeper. ¹³ Survey ship. ¹⁴ Sand, coke, cement.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Oregon ²	16	17	Fr.....	French Line.....	Havre, France...	Valparaiso, Chile.	Steel, gen....	1,614 ¹
Villanger ²	16	17	Nor.....	Intercean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.....	
Pennmar.....	17	17	Amer.....	Calmar Line.....	Baltimore, Md....	Seattle, Wash....	Steel, gen....	5,050
President Van Buren.....	17	17	Amer.....	Amer-President Lines	New York, N. Y.	Los Angeles, Cal.	General.....	3,346
Steel Seafarer.....	17	18	Amer.....	Isthmian S. S. Lines.	New York, N. Y.	Penang, Str. Sett.	General.....	7,349
Nuernberg ²	16	18	Ger.....	North German Lloyd.	Hamburg, Ger....	Corral, Chile.....	General.....	3,890
Trois Ilets.....	13	17	Fr.....	French Line.....	Cristobal, C. Z.	B'ventura, Col....	General.....	93
Gypsum Queen.....	17	18	Brit.....	Chile Nit. Sales Corp.	Lake Charles, La.	Chile.....	Ballast.....	
Trehata.....	17	18	Brit.....	Hain S. S. Co.....	Barry, England...	Portland, Oreg....	Ballast.....	
Sea Horse ⁵	17	18	Amer.....	N. E. Parker.....	Cristobal, C. Z.	Balboa, C. Z.....	Ballast.....	
Orazio ²	17	18	Ital.....	Italian Line.....	Genoa, Italy.....	Valparaiso, Chile.	General.....	459
Rangitane ²	17	18	Brit.....	N. Z. Shipping Co....	London, England	Wellington, N. Z.	General.....	4,974
Loreto ²	17	18	Brit.....	Pacific Steam Nav. Co.	Hull, England....	Talcahuano, Chile	General.....	3,924
Rhein ²	17	19	Ger.....	Hamburg-Amer. Line.	New Orleans, La.	Manila, P. I.....	Cotton, iron.	8,263
Canadian Reefer ²	18	20	Dan.....	J. Lauritzen.....	Schiedam, Neth.	Guayaquil, Ecua.	Ballast.....	
Nero ²	17	18	Neth.....	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col....	General.....	325
Itukusima Maru ¹	21	19	Jap.....	Mitsubishi S. Kaisha	Liverpool, Eng.	Yokohama, Japan	(13)	11,297
Miss C. B. ³	16	19	Brit.....	Sanabia Mines, Ltd.	Tampa, Fla.....	Tumaco, Colom....	(14)	20
Allister.....	18	19	Dan.....	The Texas Co.....	Pt. Arthur, Tex.	Puntarenas, C.R.	(15)	914
American Reefer ²	18	19	Dan.....	F. Lauritzen.....	Stockholm, Swed.	Los Angeles, Cal.	Ballast.....	
Adelfoi Chandris.	18	19	Greek.....	Soc. Anon. Reno Sfax.	Sfax, Tunisia....	Auckland, N. Z.	Phosphates...	8,200
J. L. Luckenbach.	18	19	Amer.....	Luckenbach Line....	Boston, Mass....	Seattle, Wash....	Gen., autos...	3,686
Sea Thrush.....	18	19	Amer.....	Shepard S. S. Co....	Boston, Mass....	Seattle, Wash....	General.....	3,241
Trebartha.....	18	19	Brit.....	Amer.-Australian Line	Newp't News, Va.	Fromantle, Aust.	General.....	4,920
Cromarty ²	18	19	Brit.....	Canadian Transp. Co.	Hull, England....	Vancouver, B. C.	Ballast.....	
Marna.....	17	19	Dan.....	J. Lauritzen.....	Baltimore, Md....	Talcahuano, Chile	General.....	2,065
Iowan.....	18	19	Amer.....	Amer.-Hawaiian Line.	Boston, Mass....	Seattle, Wash....	General.....	3,220
City of San Francisco.	19	19	Amer.....	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.....	2,834
Steel Mariner.....	18	19	Amer.....	Isthmian S. S. Lines.	New Orleans, La.	Pt. Allen, T. H.	Tinplate, gen	6,252
Ino ²	18	19	Neth.....	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.....	114
Malayan Prince ²	19	19	Brit.....	Furness, Withy & Co.	Boston, Mass....	Saigon, China....	General.....	3,032
Hellen.....	19	19	Nor.....	Chile Nit. Sales Corp.	Charleston, S. C.	Iquique, Chile....	Ballast.....	
Emma Bakke ²	18	20	Nor.....	Knutson Line.....	Oslo, Norway....	Valparaiso, Chile.	General.....	3,505
Istmo.....	19	20	Pan.....	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col....	Gen., gas line	747
Ferncourt ¹	19	20	Nor.....	Petrofina.....	Dunkerque, Fr....	Talara, Peru.....	Ballast.....	
Northumberland.	19	20	Brit.....	N. Z. Shipping Co....	Falmouth, Eng.	Wellington, N. Z.	Ballast.....	
Leiv Eriksson ¹	19	20	Nor.....	T. Dannevig & Co.	Havre, France....	S. Francisco, Cal.	Ballast.....	
Lancaster Castle.	19	20	Brit.....	Canadian Transp. Co.	Glasgow, Scot....	Vancouver, B. C.	Ballast.....	
Wiegand.....	19	20	Ger.....	North German Lloyd.	New York, N. Y.	Moji, Japan.....	Scrap iron...	7,479
Wearpool ²	19	22	Brit.....	Pool Shipping Co....	Glasgow, Scot....	Vancouver, B. C.	Ballast.....	
Cachalot ⁷	12	20	Amer.....	U. S. Navy.....	Will'stad, N.W.I.	San Diego, Calif.	Ballast.....	
Cuttlefish ⁷	12	20	Amer.....	U. S. Navy.....	Will'stad, N.W.I.	San Diego, Calif.	Ballast.....	
West Cape.....	20	20	Amer.....	M McCormick S. S. Co.	New York, N. Y.	Tacoma, Wash....	General.....	4,116
Embassage.....	20	20	Brit.....	Mitchell Cotts & Co.	N. Shields, Eng.	Vancouver, B. C.	Ballast.....	
Idesleigh.....	20	20	Brit.....	Seaboard S. S. Co....	Barry, England...	Vancouver, B. C.	General.....	
Clydebank ²	20	20	Brit.....	Gulf-Australian Line.	Glaveston, Tex...	Adelaide, Aust....	Gen., sulphu	7,651
Brazilian Reefer ²	20	21	Dan.....	C. Lauritzen.....	Rotterdam, Neth.	Valparaiso, Chile.	Ballast.....	
Petrovavlovsk.....	19	21	U.S.S.R.	Soviet Government.	New Orleans, La.	Vlad'ok, U.S.S.R.	(18)	1,267
Durazzo.....	20	21	Ger.....	Hamburg-Amer. Line.	LaGuayra, Venez.	Guayaquil, Ecua.	General.....	525
City of Delhi.....	20	21	Brit.....	Ellerman & Bucknall.	St. John, N. B....	Dunedin, N. Z....	General.....	2,972
Mussolini ²	19	21	Pan.....	Dom. Campodonico.	Cristobal, C. Z.	Balboa, C. Z.....	Ballast.....	
Imperial Monarch	20	21	Brit.....	Andrew Weir & Co.	Freeport, Tex....	Wangamui, N. Z.	Sulphur.....	8,548
Vinni ²	20	21	Nor.....	Kawasaki K. Kaisha.	Boca Grande, Fla.	Japan.....	(17)	8,042
Brazos ¹	19	21	Amer.....	U. S. Navy.....	Houston, Tex....	Los Angeles, Cal.	(15)	
Tuscaloosa City.	20	21	Amer.....	Isthmian S. S. Lines.	Portland, Me....	Tacoma, Wash....	Steel, gen....	3,161
Falsterbo ²	20	21	Swed.....	Anglo-Can. S. S. Co.	Antwerp, Belgium	Vancouver, B. C.	General.....	2,635
Helder.....	20	21	Neth.....	Royal Neth. S. S. Co.	Hamburg, Ger....	Talcahuano, Chile	General.....	2,341
Macabi.....	20	21	Pan.....	United Fruit Co....	Boston, Mass....	Pto. Arim'es, R. P.	General.....	2,648
Traverbyn.....	20	21	Brit.....	Hain S. S. Co.....	Barry, England...	Vancouver, B. C.	Ballast.....	
Doughty ⁶	11	21	Brit.....	John Roby Benson...	Falmouth, Eng.	Valparaiso, Chile.	Ballast.....	
Washington Express, ²	20	21	Nor.....	Fruit Express Line.	Glasgow, Scot....	Seattle, Wash....	Ballast.....	
King City.....	21	21	Brit.....	Mitsubishi Line.....	Philadelphia, Pa.	Moji, Japan.....	Oil, scrap...	7,895
Darlington Court ²	21	21	Brit.....	Anglo-Can. S. S. Co.	London, England	Los Angeles, Cal.	Ballast.....	
Port Huron ²	21	22	Brit.....	Port Line, Ltd.....	Philadelphia, Pa.	Adelaide, Aust....	General.....	5,164
Salvador.....	14	22	Brit.....	Pacific Steam Nav. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.....	407
Temple Bar.....	21	22	Brit.....	Mitsubishi S. Kaisha	Jacksonville, Fla.	Yokohama, Japan	Scrap iron...	7,013
Hopeorange ²	21	22	Brit.....	Anglo-Can. S. S. Co.	Newcastle, Eng.	Vancouver, B. C.	Ballast.....	
Chulmleigh.....	21	22	Brit.....	Seaboard Lumber Co.	Newport, Eng....	Pacific coast....	Ballast.....	
Victory ³	21	22	Pan.....	A. Tagaropoulos....	Cristobal, C. Z.	Real, R. P.....	General.....	3
Astoria ¹²	22	23	Amer.....	U. S. Navy.....	U. S. port.....	Yokohama, Japan	Corpse.....	
Mathew Luckenbach.	21	22	Amer.....	Luckenbach Line....	Houston, Tex....	Seattle, Wash....	General.....	8,520
Gannet ¹⁰	21	22	Amer.....	U. S. Navy.....	Cristobal, C. Z.	Balboa, C. Z.....	Ballast.....	
Tacoma.....	21	22	Ger.....	Hamburg-Amer. Line.	Hamburg, Ger....	Vancouver, B. C.	General.....	3,375

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁵ Launch. ⁶ Yacht. ⁷ Submarine. ¹⁰ Mine sweeper. ¹² Cruiser.
¹³ Topped crude oil. ¹⁴ Machinery and stores. ¹⁵ Gasoline and petroleum products. ¹⁶ Salt mining machinery.
¹⁷ Phosphate rock. ¹⁸ Fuel, gas (36,000 barrels).

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Nuevo Panama ²	21		Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Graintron	22	22	Brit.	Louis Dreyfus & Co.	Cardiff, Wales	Portland, Oreg.	Ballast	.....
Oritani	22	23	Amer.	Luckenbach Line	New Orleans, La.	Seattle, Wash.	General	980
Aldington Court ²	22	23	Brit.	Canadian Transp. Co.	Halifax, N. S.	Victoria, B. C.	General	2,729
Anglo Canadian ²	22	23	Brit.	Seaboard S. S. Co.	Manchester, Eng.	Vancouver, B. C.	Ballast	.....
Royal Crown	22	23	Brit.	Chile Nit. Sales Corp.	Birkenhead, Eng.	Chile	Ballast	.....
Asosan Maru ²	22	23	Jap	Mitsui & Co.	New York, N. Y.	Dairen, China	Mach. steel	7,974
Real ²	21		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Sambu ²	21		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Sona ²	21	22	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General	8
Chios	22	23	Greek	Seaboard Ship. Co.	Hartlepool, Eng.	No. Pac. coast	Ballast	.....
Pennsylvania	23	23	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Tacoma, Wash.	General	3,667
Gerassimos Vergottis	23	23	Greek	Adelphi Vergotti, Ltd.	New York, N. Y.	Japan	Scrap iron	8,500
Lebore	23	23	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Fernbrook	23	23	Nor.	Fern Line	New Orleans, La.	Osaka, Japan	(15)	6,800
Niel Maersk ²	23	23	Dan.	A. P. Moller	Norfolk, Va.	Shanghai, China	General	5,803
Pennsylvania	23	23	Amer.	Weyerhaeuser S. S. Co.	N. London, Conn	Seattle, Wash.	General	4,067
Hermionthis	23	24	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Vaparaíso, Chile	General	2,537
Daphnella ^{1 2}	23	24	Brit.	Anglo-Saxon Pet. Co.	Hebburn, Eng.	Los Angeles, Cal.	Ballast	.....
Baldibute ^{1 2}	23	24	Amer.	Shell Oil Co.	Perth Amboy, N.J.	Los Angeles, Cal.	Ballast	.....
Athelduke ^{1 2}	23	24	Brit.	United Molasses Co.	Falmouth, Eng.	Los Angeles, Cal.	Ballast	.....
Iserhorn	23	24	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Champico, Guat.	General	4,621
Thorsholm ^{1 2}	23	24	Nor.	A/S Thor, Dahl	Sandifjord, Nor.	Gensan, Japan	Ballast	.....
Santa Barbara ²	24	25	Amer.	Grace Line	New York, N. Y.	Sau Antonio, Chile	General	3,256
Olímpia Maru ²	24	25	Jap	Mitsubishi S. Kaisha	Pt. Tampa, Fla.	Japan	(16)	8,438
Norlmoor ²	24	25	Brit.	Chile Nit. Sales Corp.	Manchester, Eng.	Chile	Ballast	.....
Penrith Castle ²	24	25	Brit.	Barber S. S. Line	Baltimore, Md.	Shanghai, China	General	5,717
Sedgepool	24	25	Brit.	Cargill Grain Co.	Norfolk, Va.	Seattle, Wash.	Ballast	.....
Temple Yard	25	25	Brit.	Anglo-Can. S. S. Co.	St. John, N. B.	Vancouver, B. C.	Ballast	.....
Lillian Luckenbach	25	25	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	4,819
Deborah ²	24	27	Pan.	T. W. J. Taylor	Cristobal, C. Z.	Galapagos Island	Ballast	.....
Remucra	25	26	Brit.	N. Z. Shipping Co.	London, England	Wellington, N. Z.	General	4,356
Tropic Star ²	25	25	Nor.	Chile Nit. Sales Corp.	Wilmington, N.C.	Chile	Ballast	.....
Salt Lake City ¹²	25		Amer.	U. S. Navy	Cartagena, Col.	Los Angeles, Cal.	Ballast	.....
Quito ²	16	26	Ger.	North German Lloyd	Cristobal, C. Z.	Talara, Peru	General	390
Nero ²	24	26	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	100
Skagerak ²	25	26	Nor.	O. D. Simonsen, Jr.	Jersey City, N. J.	Japan	Scrap iron	7,457
Vermar	25	26	Amer.	Calmar Line	Philadelphia, Pa.	Seattle, Wash.	Steel, gen.	3,264
Clio ²	24	26	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	122
Kirisima Maru ²	25	26	Jap	Kokusai Kisen Kaisha	New York, N. Y.	Japan	Oil, cotton	8,051
Edwin Christenson	25	26	Amer.	Sudden & Christenson	Baltimore, Md.	Seattle, Wash.	General	4,600
T. J. Williams ¹	25	26	Amer.	Standard Oil of N. J.	New York, N. Y.	Talara, Peru	Ballast	.....
Copiope ²	26	26	Chile	Cia Sud Amer de Vap.	Hamburg, Ger.	Vaparaíso, Chile	General	3,312
Norhampton ¹²	26	30	Amer.	U. S. Navy	Cartagena, Col.	Los Angeles, Cal.	Ballast	.....
Pensacola ¹²	26	30	Amer.	U. S. Navy	Cartagena, Col.	Los Angeles, Cal.	Ballast	.....
Penelope ¹	25	26	Pan.	Standard Oil of N. J.	Caripito, Venez.	Tocopiila, Chile	(17)	12,460
City of Norfolk	26	26	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	General	3,627
Trekieve	25	27	Brit.	Seaboard Ship. Co.	Cardiff, Wales	Pacific ports	Ballast	.....
Istmo	25	27	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	650
President Herrenschmidt ^{1 2}	25	27	Nor.	Pechelbromm	Antwerp, Belgium	Lobitos, Peru	Ballast	.....
Trefusis	26	27	Brit.	Anglo-Can. S. S. Co.	Cardiff, Wales	Vancouver, B. C.	Ballast	.....
Swiftscout ¹	26	27	Amer.	Shell-Union Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	.....
Biddlestone	26	27	Brit.	Chile Nit. Sales Corp.	Baltimore, Md.	Tocopiila, Chile	Ballast	.....
Oregonian	27	27	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Tacoma, Wash.	General	4,130
Canada ²	27	27	Dan.	East Asiatic Co.	Goth'burg, Swed.	Vancouver, B. C.	General	705
Eridan ²	26	27	Fr.	French Line	Marseille, France	Noumea, N. Cal.	General	2,731
San Lucas	26	28	Amer.	Pac-Atlantic S. S. Co.	New York, N. Y.	Tacoma, Wash.	General	4,010
Mussolini ²	27		Pan.	Dom. Campondonio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	.....
Meton ¹	27	28	Amer.	Shell-Eastern Pet. Co.	Baltimore, Md.	B'ventura, Col.	Ballast	.....
Pacific Reliance ²	27	28	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General	584
Vestal ¹³	27	28	Amer.	U. S. Navy	Guantanamo, Cuba	Los Angeles, Cal.	Ballast	.....
Nicolas	27	28	Greek	Dulien Steel Prod.	Providence, R. I.	Kobe, Japan	Scrap steel	6,704
Marore	27	28	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	.....
Hi Wini ¹⁴	27		Amer.	Milton Dunn	Cristobal, C. Z.	Gatun, C. Z.	Ballast	.....
Pereira	22	28	Pan.	Grace Line	Cristobal, C. Z.	Champico, Guat.	General	663
City of Pittsburg	28	28	Brit.	Ellerman & Bucknall	New York, N. Y.	Osaka, Japan	General	5,676
Hertford	28	29	Brit.	Fed. Steam Nav. Co.	Newport, Eng.	Dunedin, N. Z.	General	6,185
Nicolaou Ourania	28	29	Greek	Iwai & Co.	Philadelphia, Pa.	Yokohama, Japan	Scrap iron	6,033
Trois Ilets	26	28	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	Ballast	.....
Lebec ¹	28	28	Amer.	Shell Oil Co.	Fall River, Mass.	Los Angeles, Cal.	Ballast	.....
Killerig ⁴	28	28	Pan.	Mer't-Chap-Lindsay	Kingston, Jam.	Bona Is., R. P.	Ballast	.....
Ripley ²	28	29	Brit.	Trinder Anderson & Co.	Halifax, N. S.	Melbourne, Aust.	Newsprint	5,526
Porto Bello ³	28	29	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ¹² Cruiser. ¹³ Repair ship. ¹⁴ Sailboat.
¹⁵ Scrap iron, cotton. ¹⁶ Phosphate, pet coke. ¹⁷ Fuel and Diesel oil.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Monkleigh.....	28	29	Brit...	Seaboard Ship. Co.	Barry, England..	Vancouver, B. C.	Ballast.....	
Oropesa.....	28	29	Brit...	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile.	General.....	2,343
Dinteldijk.....	28	29	Neth...	Holland-Amer. Line.	Rotterdam, Neth.	Vancouver, B. C.	(15)	1,809
Nosiro Maru ²	29	29	Jap...	Nippon Yusen Kaisha	New York, N. Y.	Yokohama, Japan.	(16)	7,688
Berganger ²	28	29	Nor...	Interocean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.....	
El Aleto ^{1 2}	29	30	Brit...	C. T. Bowring & Co.	Falmouth, Eng.	La Libertad, Ecua.	Ballast.....	
Montgomery City.....	29	30	Amer...	Isthmian S. S. Lines.	Baltimore, Md.	Honolulu, T. H.	General.....	4,004
Kunikawa Maru ²	29	30	Jap...	Kawasaki K. Kaisha.	New York, N. Y.	Osaka, Japan.....	Gen., cotton	7,850
Marika Protapapa.....	29	30	Greek.	Livanos Brothers	Boston, Mass.	Yokohama, Japan.	Scrap iron...	6,583
American.....	29	30	Amer...	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.....	3,133
City of Canberra.....	29	30	Brit...	Amer.-Australian Line.	Philadelphia, Pa.	Adelaide, Aust.	General.....	3,949
Enoch ³	29		Pan...	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹⁴		20
Sambu ²	28		Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Pirre ²	28		Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Real ²	28		Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Sona ²	28		Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Tuira ²	28		Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
L-53 ⁵	28		Amer...	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
Portland ²	29	30	Ger...	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B. C.	General.....	2,034
Borgestad ²	29	30	Nor...	Canadian Transp. Co.	Pt. Tampa, Fla.	Woodfibre, B. C.	General.....	5,488
Chiriqui ²	29	30	Pan...	Elliot Ship. & Land Co.	San Blas, R. P.	Pto. Armi'les, R. P.	Ballast.....	
New Orleans ²	29	30	Amer...	Amer.-Pioneer Line.	Baltimore, Md.	Shanghai, China.	General.....	3,290
Pomona.....	30	30	Amer...	Pac. Coast Direct Line.	Norfolk, Va.	Everett, Wash.	General.....	7,176
Tijuca ²	30	30	Nor...	States Marine Corp.	Pt. Tampa, Fla.	Shanghai, China.	Phos., cotton	6,906
Aegeon.....	30	31	Greek.	Vergottis, Ltd.	Japan.....	Texas City, Tex.	Scrap iron...	7,240
Asaroka.....	30	31	Amer...	McCormick S. S. Co.	New York, N. Y.	Tacoma, Wash.	General.....	3,522
Osnabruck ²	29	31	Ger...	North German Lloyd.	Hamburg, Ger.	Corral, Chile	General.....	4,006
Jersbek.....	29	31	Ger...	North German Lloyd.	Hamburg, Ger.	Champico, Guat.	General.....	3,881
Telde.....	30	31	Hond.	United Fruit Co.	New Orleans, La.	Acajutla, Sal'dor.	General.....	224
Nailsea Manor.....	30	31	Brit...	Seaboard S. S. Co.	Birkenhead, Eng.	Vancouver, B. C.	Ballast.....	
Swiftarrow ¹	29	31	Amer...	Anglo-Saxon Pet. Co.	Cruceao, N. W. I.	Los Angeles, Cal.	Ballast.....	
Tosan Maru ²	30	31	Jap...	Osaka Syosen Kaisha.	Philadelphia, Pa.	Japan.....	General.....	6,761
Stelore.....	30	31	Amer...	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.....	
Lewis Luckenbach.....	31	31	Amer...	Luckenbach Line.	Providence, R. I.	Seattle, Wash.	General.....	3,862
Akaroa.....	30	31	Brit...	Shaw, Savill & Albion	London, England	Auckland, N. Z.	General.....	5,520
Sofie Bakke ²	31	1	Nor...	Knut Knutsen, O.A.S.	Cardiff, Wales	Vancouver, B. C.	Ballast.....	
Bordeaux Maru.....	31	1	Jap...	K. Line.	New York, N. Y.	Osaka, Japan.	Cotton, rosin	7,187
Massmar.....	31	1	Amer...	Calmar Line.	Baltimore, Md.	Tacoma, Wash.	Steel, gen.	6,080
Santa Inez ²	31	1	Amer...	Grace Line.	New York, N. Y.	Chanaral, Chile.	General.....	2,176
Frida.....	31	1	Dan...	West Coast Line.	New York, N. Y.	Talcahuano, Chile	General.....	1,973
Lt. Col. H. C. Schumm, ⁴			Amer...	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow, barge.	
President Harrison.	1	1	Amer...	Amer.-President Lines	Colombo, Ceylon.	Round the world.	General.....	3,857
Agios Georgios IV	1	1	Greek.	General S. S. Corp.	Tyne, England.	Los Angeles, Cal.	Coke.....	1,501
Selma City.....	1	1	Amer...	Isthmian S. S. Lines.	Mobile, Ala.	Seattle, Wash.	Steel, tin...	8,441
Gannet ¹⁰			Amer...	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Pennsylvania Sun, ^{1 2}	1	1	Amer...	Sun Oil Co.	Chester, Pa.	El Segundo, Cal.	Ballast.....	
Tregarthen.....	1	1	Brit...	Amer.-Australian Line.	Philadelphia, Pa.	Sydney, N. S. W.	General.....	3,699
Havelland ²	30	2	Ger...	Hamburg-Amer. Line.	New Orleans, La.	Cebu, P. I.	(17)	7,911
Brimanger ²	1	2	Nor...	Interocean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.....	
Ino ²	31	2	Neth...	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.....	300
Felix Taussig.....	1	2	Amer...	McCormick S. S. Co.	Hopewell, Va.	Seattle, Wash.	Nit., autos.	1,938
Minnesotan.....	1	2	Amer...	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General.....	3,731
City of Baltimore.....	2	2	Amer...	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.....	2,712
Leme ²	1	2	Ital.	Italia Line.	Genoa, Italy.	Vancouver, B. C.	General.....	376
Yamabiko Maru.....	2	2	Jap...	Yamashita K. Kaisha.	Buenos Aires, Arg.	Kobe, Japan	Gen., cotton	6,829
Amerikaland ²	2	2	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.....	
Istmo.....	1	2	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.....	600
Trevorian.....	2	3	Brit...	Mont.-Aust.-N.Z. Line	St. John, N. B.	Melbourne, Aust.	Newsprint.	4,703
West Cactus.....	2	3	Amer...	McCormick S. S. Co.	Santa Fe, Arg.	Seattle, Wash.	General.....	6,944
Steel Exporter.....	2	3	Amer...	Isthmian S. S. Lines	New York, N. Y.	Hilo, T. H.	(18)	4,143
Sea Deer ¹⁰			Amer...	B. Patchett.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
Baarn.....	1	3	Neth...	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General.....	3,287
Blackheath.....	3	3	Brit...	Anglo-Can. S. S. Co.	Antwerp, Belgium	Vancouver, B. C.	General.....	1,982
Frontolite ^{1 2}	2	3	Brit...	Imperial Oil Co.	Barranquilla, Col.	B'ventura, Col.	Gasoline...	3,000
Weirbank.....	3	3	Brit...	Bank Line, Ltd.	Yawata, Japan.	Yawata, Japan.	Scrap steel.	8,079
Thrush ¹⁰			Amer...	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Katrina Luckenbach.	3	3	Amer...	Luckenbach Line.	Tampa, Fla.	Seattle, Wash.	General.....	7,222
Dewey ⁹	3	4	Amer...	U. S. Navy	Guant'mo, Cuba.	San Diego, Cal.	Ballast.....	
Farragut ⁹	3	4	Amer...	U. S. Navy	Guant'mo, Cuba.	San Diego, Cal.	Ballast.....	
Bogota ²	2	4	Ger...	North German Lloyd.	Cristobal, C. Z.	Guayaquil, Ecua.	General.....	231
Mussolini ²	2		Pan...	Dom. Campodionico.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Modavia ²	3	4	Brit...	Donaldson Line.	Glasgow, Scot.	Vancouver, B. C.	General.....	1,103
Snestad ²	3	4	Nor...	Fern Line.	Pt. Tampa, Fla.	Yawata, Japan.	Scrap iron...	6,915

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ⁹ Destroyer. ¹⁰ Mine sweeper. ¹³ Sailboat.
¹⁴ For bananas and return to Cristobal. ¹⁵ Cement, paper, etc. ¹⁶ General, lubricating oil, etc. ¹⁷ Scrap iron, general.
¹⁸ Steel, automobiles, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Grover J. ¹⁰	3	3	Amer.	G. Gravatt.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Porto Bello ³	3	3	Pan.	A. Tagaropoulos.	Cristobal, C. Z.	Real, R. P.	General.	3
Oilpioneer ^{1 2}	4	4	Brit.	British Oil Co.	Salzate, Belg.	Oakland, Calif.	Creosote.	5,311
La Brea ¹	4	4	Amer.	Union Oil Co. of Calif.	Baltimore, Md.	Pt. San Luis, Cal.	Ballast.	
Invella	4	4	Brit.	G. C. Kenrick & Co.	Norfolk, Va.	Tocopilla, Chile.	Ballast.	
Point Estero	4	4	Amer.	Swayne & Hoyt.	Houston, Tex.	Seattle, Wash.	Gen., steel	5,926
Harpoon.	4	4	Amer.	Shepard S. S. Co.	Boston, Mass.	Seattle, Wash.	General.	4,406
Acacutla	20	5	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'co, Guat.	General.	424
King Arthur ²	4	5	Brit.	J. J. Moore.	Belfast, Ireland.	Estavan, B. C.	Ballast.	
Jutland	4	5	Brit.	Seaboard Ship. Co.	Liverpool, Eng.	Vancouver, B. C.	Ballast.	
Zrinski.	4	5	J-Slav.	Chile Nit. Sales Corp.	Cardiff, Wales.	Chile.	Ballast.	
Laura Maersk ²	4	5	Dan.	Isbrandtsen Moller.	Baltimore, Md.	Hilo, P. I.	General.	5,113
Sona ²	4	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Col. Riche ⁵	4	5	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Tow barges.	
Moorby ²	4	5	Brit.	Ropner Shipping Co.	Antwerp, Belg.	Vancouver, B. C.	Ballast.	
American Robin.	4	5	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	Steel, gen.	4,538
H. D. Collier ¹	4	5	Amer.	Standard Oil of Calif.	Havre, France.	Los Angeles, Cal.	Ballast.	
Hopstar.	5	5	Brit.	Aust. Dispatch Line.	Tyne, England.	Brit. Columbia.	Ballast.	
Winona.	5	5	Amer.	Pac. Coast Dir. Line.	New York, N. Y.	Tacoma, Wash.	General.	2,634
Trois Ilets.	5	6	Fr.	French Line.	Cristobal, C. Z.	Manta, Ecuador.	General.	17
Silversandal ²	5	6	Brit.	Kerr S. S. Co.	New York, N. Y.	Hongkong, China.	General.	6,195
Annetta ^{1 2}	5	6	Pan.	P. W. Hamilton.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Real ²	4	6	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Sambu ²	4	6	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Herman Frash.	6	6	Amer.	Union Sulphur Co.	Galveston, Tex.	Everett, Wash.	Sulphur.	6,500
Ottawa ⁹	6	11	Brit.	Canadian Govt.	Bermuda, B.W.I.	Victoria, B. C.	Ballast.	
Restigouche ⁹	6	11	Brit.	Canadian Govt.	Bermuda, B.W.I.	Victoria, B. C.	Ballast.	
Fraser ⁹	6	11	Brit.	Canadian Govt.	Bermuda, B.W.I.	Victoria, B. C.	Ballast.	
St. Laurent ⁹	6	11	Brit.	Canadian Govt.	Bermuda, B.W.I.	Victoria, B. C.	Ballast.	
Hidleford ^{1 2}	6	6	Nor.	Anglo-Saxon Pet. Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast.	
San Rafael.	5	7	Amer.	Quaker Line.	New York, N. Y.	Seattle, Wash.	General.	3,680
Firmore.	6	7	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.	
Woodcock ¹⁰	6	7	Amer.	U. S. Navy.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Santa Clara.	6	7	Amer.	Grace Line.	New York, N. Y.	Valparaiso, Chile.	General.	3,824
Kansas.	7	7	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	2,829
Emma R. S. ²	30	7	Amer.	Van Camp Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Port St. John ²	7	7	Brit.	Mont.-Aust.-N.Z. Line.	St. John, N. B.	Adelaide, Aust.	General.	5,143
Gimnheim.	7	8	Ger.	Mitsui Line.	Philadelphia, Pa.	Dairen, China.	Iron, steel.	8,324
Col. Riche ⁵	7	8	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Arna ²	7	8	Nor.	L. I. Mach. & Equip.	New York, N. Y.	Kobe, Japan.	Scrap iron.	7,205
Hoxbar ¹	8	8	Amer.	Shell Oil Co.	Portland, Me.	Los Angeles, Cal.	Ballast.	
Nero ²	3	8	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	121
Dorothy Luckenbach.	8	8	Amer.	Luckenbach Line.	Boston, Mass.	Seattle, Wash.	General.	4,386
Mostun ²	8	8	Nor.	Neptune Shipping Co.	Havre, France.	Los Angeles, Cal.	Ballast.	
Tomislav.	8	8	J-Slav.	Chile Nit. Sales Corp.	Dubrovnik, J-Slav	Iquique, Chile.	Ballast.	
Rhakotus ²	7	8	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General.	3,047
Dardanus.	8	8	Brit.	Alfred Holt & Co.	New York, N. Y.	Hongkong, China.	General.	3,325
Mexican.	8	9	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General.	3,868
Bahrein ¹	8	9	Pan.	Standard Oil of Calif.	Rouen, France.	Los Angeles, Cal.	Ballast.	
Cerigo.	6	9	Ger.	Hamburg-Amer. Line.	Cartagena, Col.	Guayaquil, Ecua.	(¹⁴)	520
Istmo.	7	9	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	725
Karmt ²	8	9	Nor.	Chile Nit. Sales Corp.	Savannah, Ga.	Tocopilla, Chile.	Ballast.	
Clio ²	7	9	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.	316
City of Newport News.	9	9	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.	3,404
Mobile City.	9	9	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	3,973
Moshi ^{1 2}	9	9	Nor.	Petroleros Mexicanos.	Tampico, Mexico	Guaymas, Mexico	(¹⁵)	12,300
Yorkmar.	9	9	Amer.	Calmar Line.	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,605
Fernbank ²	9	10	Nor.	Fern Line.	Baltimore, Md.	Dairen, China.	General.	7,230
Pacific Enterprise.	9	10	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General.	577
No. 6021 ¹³	9	10	Amer.	John C. Menuey.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Annie Johnson ²	9	10	Swed.	Johnson Line.	Stockholm, Swed.	Vancouver, B. C.	General.	4,861
Soloy ²	9	10	Nor.	L. I. Mach. & Equip.	Providence, R. I.	Osaka, Japan.	Scrap iron.	7,815
Yomachichi ²	10	10	Amer.	Roosevelt S. S. Co.	Philadelphia, Pa.	Fremantle, Aust.	General.	3,556
John Cabot.	5	11	Brit.	Grace Line.	Cristobal, C. Z.	Champ'co, Guat.	General.	643
Tai Shan ²	10	10	Nor.	Barber Line.	New York, N. Y.	Yokohama, Japan.	(¹⁶)	4,900
Vermont.	10	11	Amer.	Calif. Eastern Line.	New York, N. Y.	Tacoma, Wash.	Gen., autos.	4,412
Sidney M. Hauptman.	10	11	Amer.	McCormick S. S. Co.	Norfolk, Va.	Seattle, Wash.	General.	3,616
Chilore.	10	11	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.	

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁵ Launch. ⁹ Destroyer. ¹⁰ Mine sweeper. ¹³ Sailboat. ¹⁴ Bear, salt, general. ¹⁵ Fuel oil, kerosene, gasoline. ¹⁶ Scrap iron, general.

PACIFIC TO ATLANTIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Timber Rush	10	11	Amer.	Shepard S. S. Co.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,672
Istmo	10	12	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	715
Ino ²	11	13	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(14)	544
Samuel Bakke ²	10	11	Nor.	Knut Knutsen, O.A.S.	Valparaiso, Chile.	Oslo, Norway	(15)	7,001
Colombo	11	12	Ital.	Italian Line	Valparaiso, Chile.	Genoa, Italy	General	2,432
Porto Bello ²	11	11	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(16)	17
Treminnard	12	12	Brit.	Ross T. Santh & Co.	Portland, Oreg.	Cobb, Ireland ¹³	Wheat	7,958
Mussolini ²	12	13	Pan.	Damp. Campodonico	Darien, R. P.	Cristobal, C. Z.	Bananas	63
F. J. Luckenbach	12	12	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,174
Chateau Thierry ⁸	10	13	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Army stores	104
Rothermere	12	13	Brit.	Continental Grain Co.	Portland, Oreg.	Tampico, Mexico	Wheat	8,134
Trois Ilets	12	17	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	195
Geddington Court	12	13	Brit.	Canadian Transp. Co.	Seattle, Wash.	Liverpool, Eng.	Wheat, lum.	10,010
Steeleore	13	13	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,500
Jeanne D'Arc ¹²	7	13	Fr.	French Government	La Libertad, Ecu.	New Orleans, La.		
Oregon Express ²	12	13	Nor.	Fruit Express Line	Vancouver, B. C.	Havre, France	Fresh fruit	1,950
Orbita	13	13	Brit.	Americ Steam Nav. Co.	San Antonio, Chile	Liverpool, Eng.	(15)	6,199
Hawaiian	13	13	Amer.	Pacific-Hawaiian Line	Portland, Oreg.	Baltimore, Md.	General	6,513
Santa Inez ²	13	14	Amer.	Grace Line	Chanaral, Chile.	New York, N. Y.	General	3,423
Firby	13	14	Brit.	Sir R. Ropner & Co.	Vancouver, B. C.	Ayvonmouth, Eng.	Grain	8,050
Nuevo Panama ²	13	15	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	73
Salvador	14	21	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	General	1,005
Ingersole	14	14	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Camden, N. J.	Nitrate	7,765
Charles R. McCormick	14	15	Amer.	McCormick S. S. Co.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	6,504
Thrush ⁴	14		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Laila	14	15	Dan.	Wessel, Duval & Co.	San Antonio, Chile	New York, N. Y.	General	2,657
Tuna ²	14	15	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	52
Sona ²	13	15	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	30
Real ²	14	15	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	31
Ardanbhan	14	15	Brit.	Ross T. Smith & Co.	Portland, Oreg.	Cobb, Ireland ¹³	Wheat	7,746
Pacific Grove ²	15	15	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General	9,001
Maimoa	15	15	Brit.	Shaw, Savill & Albion	Auckland, N. Z.	London, England	Frozen, gen.	6,834
Dresden ²	15	15	Ger.	North German Lloyd	Corral, Chile.	Hamburg, Ger.	General	6,168
Sakito Maru ²	14	15	Jap.	Nippon Yusen Kaisha	Nagasaki, Japan	Hamburg, Ger.	(17)	8,321
Tamaroa	15	16	Brit.	Shaw, Savill & Albion	Wellington, N. Z.	London, England	Frozen, gen.	5,520
Nemania	15	16	J-Slav.	Chile Nit. Sales Corp.	Iquique, Chile.	St. Thomas, V. I.	Nitrate	7,575
Commissaire Ramecl	15	16	Fr.	Messageries Marit'es.	Noumea, N. Caled	Marseille, France	(18)	6,162
Chelsea	15	16	Brit.	Chile Nit. Sales Corp.	Iquique, Chile	Azores ¹³	Nit. of soda	8,750
Georgian	15	16	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	7,963
Swiftpool	15	16	Brit.	Sir R. Ropner & Co.	Vancouver, B. C.	Cobb, Ireland ¹³	Wheat	8,470
Lionel ²	16	16	Nor.	Waterman S. S. Agency	Hilo, P. I.	Philadelphia, Pa.	Sugar	8,000
Quito ²	16		Ger.	North German Lloyd	Guayaquil, Ecu.	Cristobal, C. Z.	(19)	675
Vancouver	16	17	Ger.	Hamburg-Amer. Line	S. Francisco, Cal.	Hamburg, Ger.	General	7,534
Margaret Johnson ²	16	16	Swed.	Johnson Line	Vancouver, B. C.	Goth'burg, Swed.	(20)	6,542
Walter A. Luckenbach	16	16	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	7,619
La Brea ¹	16	17	Amer.	Union Oil of Calif.	Pt. S. Luis, Calif.	Baltimore, Md.	Crude oil	9,567
Nako Maru ²	16	17	Jap.	Nippon Yusen Kaisha	Keelung, Japan	Baltimore, Md.	Sugar, gen.	6,418
Hindanger ²	16	17	Nor.	Intercean S. S. Corp.	Los Angeles, Cal.	Havre, France	(21)	7,661
Benjamin Franklin ²	16	17	Nor.	Fred Olsen Line	Vancouver, B. C.	Oslo, Norway	General	8,766
Gen. Wm. M. Graham ¹¹	16		Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
L-53 ⁵	16		Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Amerikaland ²	16	17	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,600
Pajala ²	16	17	Swed.	Anglo-Can. S. S. Co.	Vancouver, B. C.	London, England	(22)	8,800
Mabriton	16	17	Brit.	R. Chapman & Son	Vancouver, B. C.	Glasgow, Scot.	Wheat	9,750
Nero ²	16	18	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(23)	423
Telde	17	17	Hond.	United Fruit Co.	Acajutla, Salv.	New Orleans, La.	(24)	779
Schuykill ^{1 2}	16	17	Brit.	Standard Oil Co.	Los Angeles, Cal.	Aruba, N. W. I.	Gasoline	12,801
Tower Field	16	18	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	New York, N. Y.	Lumber, gen.	5,455
Skjelbred ²	16	18	Nor.	Kawasaki K. Kaisha	Manila, P. I.	New York, N. Y.	General	5,808
Arizona	17	18	Fr.	French Line	Valparaiso, Chile.	Havre, France	(25)	8,458
Cordillera	17	18	Brit.	Donaldson Line	Vancouver, B. C.	Glasgow, Scot.	General	6,161
Ulm ²	17	18	Ger.	North German Lloyd	Seattle, Wash.	Hamburg, Ger.	Fresh fruit	1,556
Istmo	17	19	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	448
Mosfruit ²	17	18	Nor.	Martin Mosvold	Seattle, Wash.	Rotterdam, Neth.	(26)	2,048
Ino ²	18	19	Neth.	Royal Neth S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides	311
Bowquero ¹	11	18	Brit.	West India Oil Co.	Balboa, C. Z.	Cartagena, Col.	Ballast	
Lachter Castle	17	18	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores ¹³	Nitrate	8,800
Kinka Maru ²	18	18	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	Galveston, Tex.	(27)	8,236
Hird ²	18	18	Nor.	Seaboard Shipping Co.	Victoria, B. C.	New York, N. Y.	Lumber	8,160
Charles H. Cramp	18	19	Amer.	Isthmian S. S. Lines	S. Francisco, Cal.	Baltimore, Md.	Lumber, gen.	7,828
San Francisco	18	19	Fr.	French Line	Seattle, Wash.	Havre, France	General	6,279

¹ Tanker. ² Motor ship. ⁴ Tug. ⁵ Launch. ⁶ Transport. ¹¹ Mine planter. ¹² Cruiser. ¹³ For orders.¹⁴ Coffee, ivory nuts, general. ¹⁵ Nitrate, copper, general. ¹⁶ Plantains, potatoes. ¹⁷ Peanut oil, beans, lumber.¹⁸ Copra, coffee, cacao. ¹⁹ Cacao, coffee, wood, hides. ²⁰ Fruit, coffee, general. ²¹ Wheat, lumber, general.²² Wheat, barley, oats, lumber. ²³ Coffee, tagua, wood, rubber. ²⁴ Coffee, bananas, cotton. ²⁵ Copper, nitrate,²⁶ Fresh fruit, solvent. ²⁷ Sugar, rubber, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Benledi	18	19	Brit.	Geo. H. Scales, Ltd.	Wellington, N. Z.	London, England	(14)	3,013
Honolulan	18	19	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Baltimore, Md.	General.	7,596
Porto Bello	18	18	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(15)	8
Gertrude Maersk	18	19	Dan.	A. P. Moller	Hongkong, China	Baltimore, Md.	(16)	4,564
Esso Baltimore	19	19	Amer.	Shell-Union Oil Corp.	Los Angeles, Cal.	Baltimore, Md.	Gasoline	12,000
Mosli	19	19	Nor.	Petroleos Mexicanos.	Guaymas, Mexico	Minatitlan	Ballast	
Firmore	19	19	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,850
Mussolini	19	20	Pan.	Dom. Campolonico	Darien, R. P.	Cristobal, C. Z.	Bananas	61
Peebles	19	20	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	Hull, England	Grain, lum.	9,040
San Simeon	19	20	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	9,011
Hopepeak	20	21	Brit.	Hamburg-Amer. Line.	Manila, P. I.	New York, N. Y.	General.	7,725
Buenos Aires	20	21	Swed.	Johnson Line	Valparaiso, Chile.	Stockholm, Swed.	General.	9,011
Hamakua	20	21	Amer.	Matson Nav. Co.	Honolulu, T. H.	Baltimore, Md.	(17)	8,514
Temple Mead	20	21	Brit.	Chile Nit. Sales Corp.	Toopilla, Chile.	Azores	Nit. of soda	7,742
Gryfevale	20	21	Brit.	Chile Nit. Sales Corp.	Antofagasta, Chile	Azores	Nit. of soda	7,695
Sea Horse	21		Amer.	N. E. Parker	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Sumar	19	22	Amer.	Mrs. Susan Whitney	Valparaiso, Chile.	Miami, Fla.	Ballast	
Nuevo Panama	20	22	Pan.	Elliot Ship & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	97
Sawokla	20	21	Amer.	Roosevelt S. S. Co.	Hongkong, China	New York, N. Y.	General.	7,025
Texan	21	21	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General.	8,000
Rajasthan	20	21	Brit.	Empire Shipping Co.	Vancouver, B. C.	Vancouver, Eng.	Grain	9,600
Edgar F. Luckenbach	21	21	Amer.	Luckenbach Line	Portland, Oreg.	Tampa, Fla.	General.	9,203
Epaminondos C. Embiricos	20	21	Greek	Louis Dreyfus & Co.	Union Bay, B. C.	Cobb, Ireland	Wheat	7,100
City of Newport News	21	22	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General.	6,114
San Cipriano	21	22	Brit.	Anglo-Saxon Pet. Co.	S. Francisco, Cal.	Curacao, N.W.I.	Gasoline	11,726
Athelwycount	21	22	Brit.	United Molasses Co.	Hawaii, T. H.	Birkenhead, Eng.	Molasses	13,373
Pereira	21	23	Pan.	Grace Line	Champico, Guat.	Cristobal, C. Z.	General.	717
Sambu	21	22	Pan.	Elliot Ship & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	51
Real	21	22	Pan.	Elliot Ship & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	44
Sona	21	22	Pan.	Elliot Ship & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	42
Dakotan	22	22	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General.	6,869
Tongario	22	22	Brit.	N. S. Shipping Co.	Auckland, N. Z.	Newcastle, Eng.	Frozen, gen.	5,729
Knoxville City	22	22	Amer.	Isthmian S. S. Lines.	Vancouver, B. C.	Avonmouth, Eng.	(18)	8,412
Santa Clara	21	22	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General.	3,362
Inn	22	23	Ger.	North German Lloyd	Champico, Guat.	Bremen, Ger.	(19)	2,274
K. I. Luckenbach	22	23	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General.	8,737
Portmar	22	23	Amer.	Calmar Line	Wauna, Oreg.	Philadelphia, Pa.	Lumber	7,468
Nankai Maru	22	23	Jap.	Osaka Syosen Kaisya	Dairen, China	Antwerp, Belgium	(20)	5,526
Atutasa Maru	23	23	Jap.	Mitsui & Co.	Manila, P. I.	New York, N. Y.	General.	6,935
Edward Luckenbach	23	23	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	6,906
Bradglan	23	23	Brit.	Mitsubishi S. Kaisha	Rashin, Korea	Hamburg, Ger.	Soy beans	8,150
Cerigo	23	23	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecua.	Cristobal, C. Z.	(21)	583
Rio Branco	23	24	Nor.	Chile Nit. Sales Corp.	Toopilla, Chile.	St. John, N. B.	Nitrate	4,340
Vojvodica Putnik	23	24	J-Slav.	Chile Nit. Sales Corp.	Iquique, Chile	Alexandria, Egypt	Nitrate	8,850
Clio	24	25	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, balsa	296
Nero	23	25	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	(22)	262
California Standard	23	24	Pan.	Foreign Tankship	El Segundo, Calif	Hull, England	Gasoline	15,263
Chloire	24	24	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,000
Barnveld	24	24	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General.	8,000
Wildwood	24	24	Amer.	Puget Sd. Asso. Mills.	Olympia, Wash.	New York, N. Y.	Lumber	6,976
Drechdikh	24	25	Neth.	N. Pac. Coast Line.	Victoria, B. C.	Rotterdam, Neth.	General.	10,245
Gannet	24		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Santore	24	25	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,500
Point Salinas	24	25	Amer.	Gulf-Pacific Line	S. Francisco, Cal.	Panama City, Fla.	Sugar, gen.	6,170
Istmo	24	26	Pan.	Elliot Ship & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	650
Nordlys	24	25	Dan.	Chile Nit. Sales Corp.	Toopilla, Chile.	Charleston, S. C.	Nitrate	6,470
Bodegraven	24	25	Neth.	Royal Neth. S. S. Co.	Antofagasta, Chile	Europe	Nitrate	7,315
Henderson	24	25	Amer.	U. S. Navy	S. Francisco, Cal.	Norfolk, Va.	Navy stores	623
Philante	23	25	Brit.	T. O. M. Sopwith	Mazatlan, Mex.	Sampton, Eng.	Ballast	
Baxtergate	24	25	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	Glasgow, Scot.	Grain, lum.	8,958
Tai Yin	25	26	Nor.	Barber Line	Lalawigen, P. I.	New York, N. Y.	(23)	5,826
Erlangen	25	26	Ger.	North German Lloyd	Sydney, Aust.	Antwerp, Belgium	(24)	7,752
San Anselmo	25	26	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,702
Barrhill	25	26	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Leith, Scotland	General.	7,402
Trois Ilets	25	28	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	321
Victory	25	25	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(25)	10
Karnt	26	26	Nor.	Chile Nit. Sales Corp.	Toopilla, Chile.	Savannah, Ga.	Nitrate	8,890
Nurtureton	26	27	Brit.	R. Chapman & Son.	Vancouver, B. C.	Cobb, Ireland	Wheat	9,050
Europa	26	27	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den.	(26)	9,573
Mussolini	26	27	Pan.	Enrique Obarrío	Darien, R. P.	Cristobal, C. Z.	Bananas	74
Risanger	26	27	Nor.	States Marine Corp.	Manila, P. I.	Philadelphia, Pa.	Sugar in bags	7,615

¹ Tanker. ² Motor ship. ³ Tug. ⁴ Yacht. ⁵ Launch. ⁶ Transport. ⁷ For orders. ⁸ Wool, hides, tallow. ⁹ Plantains, lumber. ¹⁰ Sugar, oil, general. ¹¹ Pineapples, sugar, cacao. ¹² Grain, lumber, general. ¹³ Coffee, cotton, wood. ¹⁴ Soy beans, silk, general. ¹⁵ Coffee, nuts, wood. ¹⁶ Coffee, hides, rubber. ¹⁷ Sugar, oil, general. ¹⁸ Flour, wool, lead. ¹⁹ Plantains, lumber. ²⁰ Grain, fruit, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Korana	26	27	J-Slav.	Chile Nit. Sales Corp.	Iquique, Chile.	Azores ¹³ .	Nitrate.	8,150
Dusseldorf ²	26	27	Ger.	North German Lloyd.	Taleahuano, Chile	Hamburg, Ger.	General.	5,320
Allister	26	27	Brit.	Texas Oil Co.	Puntarenas, C. R.	Kingston, Jam.	Ballast.	
Vibran ²	27	27	Nor.	Knutsen Line	Seattle, Wash.	Cardiff, Wales.	Fresh fruit.	1,504
Ruahine	26	27	Brit.	N. Z. Shipping Co.	Napier, N. Z.	Glasgow, Scot.	Frozen, gen.	4,661
Tropic Sea ²	26	27	Nor.	Speckles & Co.	Manila, P. I.	New Orleans, La.	Sugar	8,161
Keiyo Maru ²	27	27	Jap.	Nippon Yusen Kaisha	Iloilo, P. I.	New Orleans, La.	Sugar, gen.	7,578
Kimikawa Maru ²	27	28	Jap.	"K" Line	Manila, P. I.	New York, N. Y.	Silk, gen.	4,449
Nordstjernen ²	27	28	Swed.	Johnson Line	Valparaiso, Chile.	Stockholm, Swed.	General.	5,723
Penelopi	27	28	Pan.	Joseph Pyke & Son.	Vancouver, B. C.	Cobb, Ireland.	Wheat.	8,318
West Notus	27	28	Amer.	McCormick S. S. Co.	Seattle, Wash.	New York, N. Y.	Lumber, gen.	7,347
Marymar	27	28	Amer.	Calmar Line	S. Francisco, Cal.	Baltimore, Md.	(¹⁵)	7,562
British Columbia Express ²	27	28	Nor.	Fruit Express Line.	Vancouver, B. C.	Glasgow, Scot.	(¹⁶)	2,405
Chiriqui ²	27	28	Pan.	Elliot Ship. & Land Co.	Panama, R. P.	San Blas, R. P.	Ballast.	
Derymore ²	27	28	Brit.	J. J. Moore	Manila, P. I.	New Orleans, La.	Sugar	9,360
Texas Sun ^{1 2}	27	28	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	14,951
Heranger ²	27	28	Nor.	Intercean S. S. Corp.	Seattle, Wash.	Rotterdam, Neth.	(¹⁷)	7,633
Gypsum Prince.	27	28	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Norfolk, Va.	Nitrate	6,380
Hagan ¹	27	28	Amer.	Shell Oil of N. Y.	Los Angeles, Cal.	Houston, Texas.	(¹⁸)	9,149
Appeldore	27	28	Brit.	Anglo-Can. S. S. Co.	Victoria, B. C.	London, England	Wheat, lum.	9,400
Pirre ²	28	29	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Tuira ²	28	29	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	55
Sona ²	28	29	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
Real ²	28	29	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	34
Sambu ²	28	29	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	48
Lt. Col. H. C. Schumm ⁴	28	29	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Mau.	28	29	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General.	4,575
Ludington ⁵	27	30	Amer.	U. S. Army	S. Francisco, Cal.	New York, N. Y.	Army gen.	1,267
Fernhill ²	27	29	Nor.	Fern Line	Manila, P. I.	No. of Hatteras.	Sugar	5,890
Chickasaw City.	28	29	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Mobile, Ala.	Ballast	
Carolinian	28	29	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,939
Ar dangorn.	28	29	Brit.	Cargill, Inc.	Portland, Oreg.	Cobb, Ireland ¹³ .	Wheat.	7,986
Helga	28	30	Dan.	J. Lauritzen	Valparaiso, Chile.	Boston, Mass.	General.	2,700
Acajutla	28	30	Brit.	Pacific Steam Nav. Co.	Champico, Guat.	Cristobal, C. Z.	(¹⁹)	1,032
Rangitiki ²	27	29	Brit.	N. Z. Shipping Co.	Lyttelton, N. Z.	London, England	(²⁰)	6,585
Ferncourt	28	30	Nor.	Purfin, Brussels.	Talara, Peru.	Dunkerque, Fr.	Crude oil.	14,344
Santa Maria ²	28	29	Amer.	Grace Line	Valparaiso, Chile.	New York, N. Y.	General.	4,015
Birmingham City.	28	30	Amer.	Isthmian S. S. Lines.	Los Angeles, Cal.	Baltimore, Md.	(²¹)	6,619
Hegira	28	30	Amer.	Weyerhaeuser S. S. Co.	Everett, Wash.	Norfolk, Va.	Lumber, gen.	9,315
Suva	28	30	Brit.	W. R. Carpenter & Co.	Suva, Fiji Is.	Rotterdam, Neth.	Copra	6,240
Nebraska	29	30	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General.	6,965
Emma R. S. ²	26	7	Amer.	Van Camp Seafood Co.	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Charles Christenson.	29	30	Amer.	Arrow Line	So. Bend, Wash.	Baltimore, Md.	Lum., pulp.	7,672
Lenda ²	29	30	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Gulf ports.	Nitrate.	6,544
K. R. Kingsbury ¹	29	30	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Providence, R. I.	(²²)	11,258
Crown City ²	29	31	Amer.	Roosevelt S. S. Co.	Hinigan, P. I.	New York, N. Y.	Ore, sugar.	6,060
Nolisement	29	30	Brit.	No. Pacific S. S. Co.	Los Angeles, Cal.	Capetown, Africa	Lumber.	6,795
Nereus	29	30	Greek.	General Shipping Co.	Portland, Oreg.	Cobb, Ireland ¹³ .	Wheat	8,890
Manoeran ²	29	31	Neth.	Java Pacific Line.	Portland, Oreg.	Beira	Lumber.	7,362
Margrethe Bakke ²	30	31	Nor.	Knutsen Line	San Antonio, Chile.	Stockholm, Swed.	General.	7,765
Kohn	30	31	Ger.	North German Lloyd.	Tocopilla, Chile.	Hamburg, Ger.	General.	7,848
Beckenham	30	31	Brit.	Anglo-Canadian Co.	Pt. Alberni, B. C.	London, England	Lum., spelter	8,414
Pacific Shipper ²	30	31	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General.	7,543
Harpathian	30	31	Brit.	Canadian Transp. Co.	Vancouver, B. C.	St. Johns, N. B.	(²³)	5,824
Siljestad ²	30	31	Nor.	Fern Lines	Hagnaya Bay, P. I.	No. of Hatteras.	Sugar	7,500
Ino ²	30	1	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(²⁴)	224
Orotava	30	31	Hond.	United Fruit Co.	Acajutla, Sal'dor	New Orleans, La.	Coffee, gen.	705
Jersey City.	30	31	Brit.	East Asiatic Co.	Rashin, Korea.	Cobb, Ireland ¹³ .	Soy beans.	8,851
Steel Voyager.	31	31	Amer.	Isthmian S. S. Lines.	Hilo, T. H.	Baltimore, Md.	(²⁵)	8,587
Rialto ²	30	1	Ital.	Italian Line	Vancouver, B. C.	Trieste, Italy	(²⁶)	6,572
Julia Luckenbach.	31	1	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	(²⁷)	7,498
Tampa ²	31	1	Amer.	Roosevelt S. S. Co.	Freemantle, Aust.	St. John, N. B.	General.	3,334
Kaikoura ²	31	1	Brit.	M. A. N. Z. Line.	Launceston, Tas.	St. John, N. B.	General.	2,400
Istmo	31	2	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	720
Kingfisher ⁵	31	1	Amer.	Co. M, 33d Infantry	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Utahan	1	1	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	7,104
San Vincente.	1	1	Amer.	Pacific-Atlantic Co.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	7,556
Flomar.	1	1	Amer.	Calmar Line	Astoria, Oreg.	Baltimore, Md.	(²⁸)	7,072
Kirkpool.	1	1	Brit.	Sir R. Ropner & Co.	Vancouver, B. C.	Rotterdam, Neth.	Wheat, lum.	7,862
Herman F. Whiton	1	1	Amer.	Dutton Lumber Corp.	Tacoma, Wash.	Providence, R. I.	Lumber.	7,200
Chilean Reifer ²	1	2	Dan.	J. Lauritzen	Seattle, Wash.	Haifa, Palestine.	(²⁹)	1,617
Gadila ^{1 2}	1	2	Neth.	Pert. Comp. La Corona	Los Angeles, Cal.	Curacao, N. W. I.	Kerosene	11,799
Kaimoku.	1	2	Amer.	Matson Nav. Co.	Honolulu, T. H.	New York, N. Y.	Sugar, cance.	8,778

¹ Tanker. ² Motor ship. ³ Tug. ⁴ Launch. ⁵ Transport. ¹³ For orders. ¹⁵ Lumber, pulp, copper. ¹⁶ Fresh apples and pears. ¹⁷ Wheat, fruit, general. ¹⁸ Gasoline, kerosene. ¹⁹ Coffee, wood, general. ²⁰ Meat, wood, fresh. ²¹ Lumber, pulp, general. ²² Cutback asphalt. ²³ Lumber, canned goods. ²⁴ Cacao, ivory nuts. ²⁵ Sugar, canned goods, general. ²⁶ Grain, wood, general. ²⁷ Borax, sugar, general. ²⁸ Lumber, wood pulp. ²⁹ Fresh fruit, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Ramon de Lartiga	1	2	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	London, England	General.....	8,850
Porto Bello ²	1	1	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	Plant., lum.	8
Bethore	2	2	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,500
Bogota	2	3	Ger.	North German Lloyd	Guayaquil, Ecua.	Cristobal, C. Z.	(15)	1,022
Velero III ²	29	2	Amer.	G. A. Hancock	Los Angeles, Cal.	Trinidad, B.W.I.	Ballast	8,250
Mount Othrys	1	2	Pan.	J. Pyke	Portland, Oreg.	United Kingdom	Wheat.	8,250
Robert Luckenbach	2	2	Amer.	Luckenbach Line	Seattle, Wash.	Tampa, Fla.	Lumber, gen.	8,337
Mussolini ²	2	3	Pan.	Enrique Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	95
Tejon ¹	2	3	Amer.	Shell Oil Co.	Los Angeles, Cal.	Fall River, Mass.	Fuel oil	8,824
Greta Maersk ²	2	3	Dan.	A. P. Moller	Manila, P. I.	Baltimore, Md.	(16)	6,809
San Roberto ¹	2	3	Brit.	Anglo-Saxon Pet. Co.	Valparaiso, Chile	Curacao, N.W.I.	Ballast	
Nero ²	2	3	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	(17)	470
California Express ²	2	3	Nor.	Fruit Express Line	Seattle, Wash.	Liverpool, Eng.	Fresh fruit	1,751
T. J. Williams ¹	3	3	Amer.	Agwi Petroleum Co.	Talara, Peru	S'ampton, Eng.	Gas oil	11,608
Canadian Cruiser	3	3	Brit.	M. A. N. Z. Line	Paa'e, N. Caled.	New York, N. Y.	Chrome ore	8,744
Floridian	3	3	Amer.	Amer-Hawaiian Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	6,075
Santa Rita ²	3	4	Amer.	Grace Line	Chanaral, Chile	New York, N. Y.	Cooper, gen.	3,644
Baldhill ¹	3	3	Amer.	Shell Terminal Corp.	Los Angeles, Cal.	Bayonne, N. J.	Fuel oil	9,529
Breda	3	5	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	7,387
President Herrenschmidt ²	3	4	Nor.	Pechelbron, Paris	Lobitos, Peru	Donges, France	Crude oil	13,260
Henry S. Grove	3	4	Amer.	Isthmian S. S. Lines	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	5,361
Yamazaki Maru ²	3	4	Jap.	Yamashita K. Kaisha	Dairen, China	Rio de Janeiro	General	2,489
Argentina ²	4	5	Swed.	Johnson Line	Vancouver, B. C.	Stockholm, Swed.	(18)	6,029
Damsterdijk ²	4	5	Neth.	Holland-Amer. Line	Victoria, B. C.	Rotterdam, Neth.	General	9,462
City of Los Angeles	4	5	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	4,002
Lady Glaney ²	4	4	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	London, England	Wheat, lum.	9,600
Caduceus	4	5	Brit.	Chile Nit. Sales Corp.	Antofagasta, Chile	Azores ¹⁴	Nit. of soda	8,000
Sage Brush	4	5	Amer.	Shepard S. S. Co.	Tacoma, Wash.	Albany, N. Y.	Lumber, gen.	7,322
Trois Ilets	4	5	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	151
John Cabot	4	10	Brit.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General	1,084
Lerwick	4	5	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile	Charleston, S. C.	Nitrate	8,910
Sambu ²	4	5	Pan.	Elliot Ship. & Land Co.	Dairen, R. P.	Cristobal, C. Z.	Bananas	58
Real ²	4	5	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	31
Sona ²	4	5	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	23
Royal Sceptre	4	5	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	S'ampton, Eng.	Wheat, lum.	8,448
Svealand ²	4	5	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,300
Rancagua ¹	2	5	Chile	Chilean Government	Valparaiso, Chile	Habana, Cuba	Ballast	
Knut Nelson ²	4	6	Nor.	Fred Olsen & Co.	Vancouver, B. C.	Oslo, Norway	General	6,832
Ringar ²	4	5	Nor.	Seaboard Ship. Co.	Vancouver, B. C.	Albany, N. Y.	Lumber	7,513
Comol Rico	4	5	Amer.	Com. Molasses Co.	Honolulu, T. H.	Houston, Tex.	Molasses	7,306
Arkansas	5	6	Amer.	Amer-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	6,894
Cathwood ¹	5	6	Amer.	Union Oil of Calif.	Pt. San Luis, Cal.	Savannah, Ga.	Fuel oil	9,453
Port Hunter	5	6	Brit.	Port Line, Ltd.	Gisbourne, N. Z.	London, England	Crude, gen.	6,356
Republic ⁸	4	6	Amer.	U. S. Army	Honolulu, T. H.	New York, N. Y.	General	1,021
L. A. Christensen ²	5	6	Nor.	Canadian-Gulf Line	Powell Riv., B. C.	Houston, Tex.	(19)	5,178
Astra	5	6	Nor.	N. Atlantic & Gulf Co.	Callao, Peru	Cristobal, C. Z. ¹⁴	(20)	900
Macabi	6	6	Pan.	United Fruit Co.	Puntarenas, C. R.	Boston, Mass.	Ballast	
Tilington Court	6	6	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Liverpool, Eng.	(21)	9,350
Harry Luckenbach	6	6	Amer.	Luckenbach Line	Seattle, Wash.	New York, N. Y.	Lumber, gen.	7,596
Parthenia	6	6	Brit.	Donaldson Line	Victoria, B. C.	Glasgow, Scot.	General	6,391
Mokihana	6	6	Amer.	Matson Nav. Co.	Pt. Allen, T. H.	New Orleans, La.	(22)	8,364
Heffron	6	7	Amer.	Weyerhaeuser S. S. Co.	Seattle, Wash.	New York, N. Y.	Lumber, gen.	9,280
Holystone	6	7	Brit.	Northumberland Co.	Vancouver, B. C.	Cobb, Ireland ¹⁴	Wheat	8,280
Porto Bello ²	6	6	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	Plant., lum.	8
Clio ²	6	9	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	(23)	430
Kyusyu Maru ²	7	7	Jap.	Osaka Syosen Kaisya	Manila, P. I.	Baltimore, Md.	(16)	5,714
Feodosia	7	8	Ger.	Hamburg-Amer. Line	Champ'ico, Guat.	Hamburg, Ger.	General	2,842
Thrush ¹³	7	8	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Durazzo	7	7	Ger.	Hamburg-Amer. Line	Guayaquil, Ecua.	Cristobal, C. Z.	(24)	839
Roda ²	7	7	Ger.	Hamburg-Amer. Line	Corral, Chile	Hamburg, Ger.	General	7,448
San Bernardino	7	7	Amer.	States S. S. Co.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,095
Oakland ²	7	8	Ger.	Hamburg-Amer. Line	Vancouver, B. C.	Hamburg, Ger.	General	7,548
Istmo	7	9	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	592
Sire	7	8	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile	Wilmington, N.C.	Nitrate	8,920
Dornoch	7	8	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile	Azores ¹⁴	Nitrate	8,645
Minerva ²	7	8	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile	Pensacola, Fla.	Nitrate	9,430
Deborah ²	7	8	Pan.	T. W. Taylor	Galapagos Is.	Cristobal, C. Z.	Passengers	
Emma Maersk ^{1 2}	8	8	Dan.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N.W.I.	(25)	13,429
Athina Livanos	8	8	Greek	Chile Nit. Sales Corp.	Iquique, Chile	Jacksonville, Fla.	Nit. of soda	8,630
Laguna ²	8	9	Brit.	Pacific Steam Nav. Co.	Taleahuano, Chile	Hull, England	(26)	8,539

¹ Tanker. ² Motor ship. ⁸ Transport. ¹³ Aircraft tender. ¹⁴ For orders. ¹⁵ Cacao, coffee, wood. ¹⁶ Sugar, oil, general. ¹⁷ Coffee, hides, bottles. ¹⁸ Wheat, fruit, general. ¹⁹ Newsprint, shingles. ²⁰ Construction equipment. ²¹ Lumber, wheat, flour. ²² Sugar, canned pineapples, canec. ²³ Cacao, coffee, lumber. ²⁴ Coffee, tagua, balsa. ²⁵ Kerosene distillate. ²⁶ Nitrate, copper, wool.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Edda	8	9	Ital.	North German Lloyd.	Seattle, Wash.	Hamburg, Ger.	Fruits	3,307
Aconcagua ²	9	9	Chile	Cia. Sud Amer. de Vap.	Corral, Chile	Hamburg, Ger.	General	3,882
Gannet ⁴	9	9	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Orduna	9	10	Brit.	Pacific Steam Nav. Co	Valparaiso, Chile	Liverpool, Eng.	(¹⁴)	4,778
Meandros	9	9	Greek	Chile Nit. Sales Corp.	Taltal, Chile	Azores ¹³	Nitrate	7,029
John Bakke ²	9	9	Nor.	Knutsen Line	Vancouver, B. C.	Cardiff, Wales	Fruit, gen.	7,230
Dalcross	9	9	Brit.	Cie. de L'Océanie	Makatea Is.	Landskrona, Swed	Phosphate	7,870
Azumara Maru ²	9	9	Japan	Nippon Yusen Kaisha	Kobe, Japan	New York, N. Y.	General	8,592
Panaman.	9	10	Amer.	Amer.-Hawaiian Line.	Bellingham, Wash	Boston, Mass.	General	5,772
Brandon	9	10	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Liverpool, Eng.	General	8,754
Petrolite ^{1 2}	10	10	Brit.	International Pet. Co.	Talara, Peru	Aruba, N. W. I.	(¹⁵)	1,652
Mussolini ²	10	10	Pan.	Enrique Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	93
Sally Maersk ²	10	10	Dan.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Lake Charles, La.	Nitrate	5,025
American Reefer ²	10	10	Dan.	J. Lauritzen	Los Angeles, Cal.	Havre, France.	Fruit	2,060
Heronspool	10	10	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	Newcastle, Eng.	Grain, lum.	8,500
Redgate	10	10	Brit.	Chile Nit. Sales Corp.	Antof gasta, Chile	Azores ¹³	Nitrate	7,250
Salvador	10	10	Brit.	Pacific Steam Nav. Co	Champico, Guat.	Cristobal, C. Z.	General	1,058
Leipzig ²	10	10	Ger.	North German Lloyd.	Corral, Chile	Hamburg, Ger.	General	6,092
Yamaura Maru	10	10	Jap.	Yamashita K. Kaisha	Kobe, Japan	Buenos Aires, Arg	Silk, gen.	2,575
Point Chico	10	10	Amer.	Gulf-Pacific Line.	Portland, Oreg.	Tampa, Fla	Lumber, gen.	5,810

¹ Tanker. ² Motor ship. ⁴ Tug. ¹³ For orders. ¹⁴ Copper, nitrate, tin. ¹⁵ Petroleum products, grade D.

Comparison of Traffic at the Suez and Panama Canals for the 12 Months Ended February 28, 1938 and 1939

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1937-38	1938-39	Increase	Decrease	1937-38	1938-39	Increase	Decrease
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
June	540	469		13.1	472	445		5.7
July	551	509		7.6	457	429		6.1
August	531	522		1.7	505	468		7.3
September	522	508		2.7	444	438		0.9
October	557	540		3.1	461	494	7.2	
November	526	495		5.9	435	505	16.1	
December	541	503		7.0	439	509	15.9	
January	544	472		13.2	444	525	18.2	
February	508	496		2.4	436	501	14.9	
Total	6,588	6,087		7.6	5,646	5,772	2.2	

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.

Tolls Charges for Transit of the Panama Canal

(Effective March 1, 1938)

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
 - (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.

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.

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:"	
Private and semiprivate rooms.....	Daily, 9:30-11 a. m.; 2-4:30 p. m.; 6:30-8 p. m.
Wards.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m. Sunday and holidays, 9:30-11 a. m.; 2:00-4 p. m.
Section "B:"	
Wards 5, 6, and 7.....	Daily, 9:30-11:00 a. m.; 2:00-4:30 p. m.; 6:30-8:00 p. m.
Ward 8 (maternity ward).....	Daily, 2:30-4:00 p. m.; 6:30-8:00 p. m. Visitors to this ward will be limited to the husband and to the immediate family, i. e., father or mother or, if no parents are at hand, to one woman friend who shall be designated by the patient. Visits to the maternity ward will be limited to ten minutes during the designated visiting periods.
Nursery.....	No visitors are permitted in the Nursery at any time.
Section "C:"	
Wards 9 (colored section), 11, 12, and 13.....	Wednesday, Friday, Sunday, and holidays, 1-2:30 p. m. Visitors from Atlantic side may remain until 3 p. m.
Wards 9 (white section), 10, and 14.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m. Sundays and holidays, 9:30-11 a. m.; 2:30-4:30 p. m.; 6:30-7:30 p. m. Visitors to venereal cases in wards 13 and 14 will be limited to two members of patient's immediate family.
Section "D:"	
Wards 15 and 16.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m. Sundays and holidays, 9:30-11 a. m.; 2:30-4:30 p. m.; 6:30-7:30 p. m.
Wards 17, 19, and 20.....	Wednesday, Friday, Sunday, and holidays, 1-2:30 p. m. Visitors from Atlantic side may remain until 3 p. m.
Ward 18.....	Daily, 9:30-11 a. m.; 2-4:30 p. m.
Isolation section.....	No visitors permitted except to adults to visit tuberculosis patients Thursday, Sunday, and holidays, 1:30-3 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.

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. 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.

Trips Through the Canal

The following lines operating passenger carrying vessels through the Canal carry local passengers from one terminal to the other: Grace Line, Johnson Line, Hamburg-American Line, North German Lloyd, Navigazione Generale Italiana, Pacific Steam Navigation Co. The Panama Pacific Line carries passengers from Balboa to Cristobal only, their rate being \$10, first class only. The rate is \$5 on the Grace Line, Johnson Line, and Pacific Steam Navigation Co., and \$6 on the Hamburg-American Line, North German Lloyd, and Navigazione Generale Italiana vessels, first class passage. The Pacific Steam Navigation Company also have a rate of \$4 second class and \$2 third class.

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, 7:00 a. m.; 11 a. m.; 5 p. m.; 10 p. m.

From Panama: Daily, 7:05 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.

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Traffic Through the Panama Canal in April 1939

The total vessels of all kinds transiting the Panama Canal during the month of April 1939, and for the same month in the two preceding years, are shown in the following tabulation:

	April 1939			April	
	Atlantic to Pacific	Pacific to Atlantic	Total	1938	1937
Ocean-going commercial traffic.....	246	250	496	487	473
Small commercial traffic ¹	34	28	62	91	76
Noncommercial traffic:					
United States Government.....	112	7	119	28	38
For repairs.....	2	1	3	3	1
Colombian Government.....					1
Total.....	394	286	680	609	589

¹ Vessels under 300 net tons, Panama Canal measurement.

OCEAN-GOING COMMERCIAL TRAFFIC²

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 twelve month period ended April 30, 1939, as compared with the corresponding period ended April 30, 1938:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1938-9	1937-8	1938-9 ³	1937-8 ⁴	1938-9	1937-8	1938-9	1937-8
May.....	465	544	2,150,228	2,626,000	2,309,171	2,950,925	\$1,886,825.66	\$2,376,706.36
June.....	445	472	2,064,793	2,266,000	2,122,389	2,670,466	1,801,291.78	2,070,337.89
July.....	429	457	1,933,816	2,216,000	2,025,660	2,476,366	1,694,205.00	2,029,642.45
August.....	468	505	2,177,699	2,402,000	2,171,674	2,780,603	1,890,650.74	2,195,308.87
September.....	438	444	2,005,241	2,139,000	1,998,464	2,385,142	1,741,895.46	1,953,673.78
October.....	494	461	2,276,194	2,182,000	2,359,673	2,438,788	1,977,706.76	1,981,087.87
November.....	505	435	2,302,333	2,110,000	2,223,830	2,185,283	1,984,014.72	1,893,462.00
December.....	509	439	2,336,011	2,070,000	2,374,395	2,046,170	2,031,017.04	1,845,048.20
January.....	525	444	2,380,916	2,053,000	2,393,360	2,095,402	2,062,454.16	1,837,894.72
February.....	501	436	2,282,318	1,993,000	2,296,963	1,998,827	1,996,735.66	1,786,611.45
March.....	553	506	2,586,580	³ 2,311,526	2,664,068	2,268,548	2,252,156.28	2,015,585.34
April.....	496	487	2,278,326	³ 2,258,836	2,472,504	2,279,235	1,999,851.16	1,961,456.58
Total.....	5,828	5,630	26,774,455	26,627,362	27,322,151	28,575,755	23,318,204.42	23,928,815.51

² Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons and over, Panama Canal measurement.

³ Panama Canal net tonnage as figured under rules which became effective March 1, 1938.

⁴ Estimated tonnage under rules which became effective March 1, 1938.

SMALL COMMERCIAL TRAFFIC

The following tabulation covers small commercial vessels under 300 tons measurement (Panama Canal net), which transited the Panama Canal during the month of April 1939. 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.....	34	1,979	\$1,577.88	414
Pacific to Atlantic.....	28	2,032	1,736.64	1,656
Total.....	62	4,011	3,314.52	2,070

Traffic by Nationality of Vessels⁵ for April 1939

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
British	6 130	646,454	\$568,726.96	669,237
Chilean	4	17,063	14,993.10	8,266
Danish	20	78,162	69,242.58	89,358
French	9	47,417	40,464.36	45,602
German	29	117,046	104,964.30	110,356
Greek	11	53,142	45,894.42	67,696
Honduran	2	3,243	2,918.70	1,353
Italian	5	29,560	26,604.00	11,115
Japanese	24	140,570	126,513.00	162,372
Netherland	21	42,498	38,248.20	45,326
Norwegian	53	232,583	198,840.06	256,628
Panamanian	15	21,062	17,745.12	15,761
Swedish	11	48,666	41,308.02	71,370
United States	155	770,044	678,684.06	891,794
Yugoslav	7	30,816	24,704.28	26,270
Total	496	2,278,326	1,999,851.16	2,472,504

⁵ Tolls-paying vessels of 300 net tons or over, Panama Canal measurement. ⁶ Includes 5 naval vessels of 6,029 displacement tons.

Traffic by Trade Routes for April 1939

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	273,646	216,874	57	286,566	400,002
East coast United States and:						
Canada				4	18,173	26,943
Central America/Mexico	3	5,442	4,399	3	5,316	1,030
South America	20	87,217	15,700	25	102,524	261,133
Hawaiian Islands	3	14,273	17,257	6	28,612	51,692
Australasia	5	26,720	23,867	1	5,156	8,744
Philippine Islands	12	68,277	58,938	16	86,655	109,077
Far East	26	120,630	202,688	2	12,426	9,592
Balboa	1	6,086	476			
Canada intercoastal	1	3,345	5,706	1	4,201	5,595
East coast Canada and:						
United States				1	4,529	5,666
South America				1	4,359	7,500
Australasia	3	15,564	14,362	2	10,194	6,112
Far East	2	13,556	17,771			
Central America/Mexico intercoastal	1	6,264	12,300			
East coast Central America/Mexico and Canada	1	3,201				
South American intercoastal	3	6,286	4,148			
East coast South America and:						
Canada	3	12,777	15,355			
Far East	2	11,858	11,516	2	10,753	5,064
Cristobal and:						
Central America/Mexico	4	2,692	2,068	4	2,692	3,576
South America	14	7,848	5,503	16	10,273	9,597
West Indies and:						
United States	1	5,362		3	18,968	39,497
Balboa	1	5,220	10,447			
South America				3	7,126	1,652
Europe and:						
United States	17	72,124	6,812	7	27,321	35,923
Canada	27	143,886	37,107	46	239,702	373,326
Central America/Mexico	1	2,354	3,954	1	3,054	2,842
South America	23	124,824	34,129	27	143,117	203,100
Hawaiian Islands	1	8,686				
Australasia	7	53,063	34,837	12	79,456	81,288
Far East	1	5,894	8,175	4	21,865	28,408
Africa and Australasia	1	4,952	8,600			
Palestine to west coast Canada				1	1,877	1,696
Palestine to west coast United States				1	1,864	1,457
Around the world	3	21,971	11,935	1	6,034	7,068
Vessels not engaged in commerce	7 4			8 3	1,485	
Total	246	1,134,028	784,924	250	1,144,298	1,687,580

⁷ 4 naval vessels. ⁸ 1 naval vessel and 2 yachts.

Origin and Destination of Cargo by Major Areas, April 1939

The following table summarizes the origin of cargo passing through the Canal in April 1939, 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.....	226,325	23,877	272,022	14,820	23,867	560,911
Other North America.....	1,632	31,377	11,727	13,402	14,676	72,814
Europe.....	31,560	14,717	4,139	27,006	34,523	111,945
Miscellaneous.....	15,378	381	11,081	3,814	8,600	39,254
Total.....	274,895	70,352	298,969	59,042	81,666	784,924

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	395,030	47,844	148,836	8,491	600,201
Canada.....	28,341	6,217	256,702	4,179	295,439
Other North America.....	52,240	4,180	4,187	.....	60,607
South America.....	259,785	24,481	198,633	73	482,972
Australasia.....	11,348	3,508	81,288	.....	96,144
Asia.....	123,109	1,919	26,927	262	152,217
Total.....	869,853	88,149	716,573	13,005	1,687,580

Principal Commodities

Commodities in transit through the Canal which aggregated 10,000 or more tons either during April 1939 or April 1938, are listed below:

Commodity	April		Commodity	April	
	1939	1938		1939	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Automobiles and parts.....	18,405	22,297	Beans, edible, dry.....	10,520	12,518
Canned food products.....	12,947	9,742	Canned food products.....	97,554	52,273
Cement.....	12,598	19,295	Coffee.....	15,902	16,420
Chemicals ⁹	10,940	9,329	Cold storage (food products) ¹⁰	31,735	31,528
Coal and coke.....	5,158	12,851	Copra.....	5,478	11,635
Cotton, raw.....	15,444	26,958	Flour.....	11,139	15,860
Cresosote.....	5,369	10,277	Fruit, dried.....	17,813	17,767
Iron and steel.....	147,478	127,643	Fruit, fresh ¹¹	46,407	39,593
Machinery.....	14,973	16,454	Lumber.....	307,053	222,853
Manufactured goods ⁹	14,907	14,394	Metals, various.....	66,714	69,392
Metals, various.....	16,953	67,006	Nitrates.....	170,681	106,367
Oils, mineral.....	65,440	88,804	Oats.....	12,281	11,811
Paper.....	31,923	45,004	Oils, mineral.....	204,826	224,768
Phosphates.....	26,712	30,672	Oils, vegetable.....	21,255	15,289
Railroad material.....	11,172	2,505	Ores.....	176,475	139,433
Scrap metal.....	138,565	121,123	Paper.....	10,894	6,193
Sulphur.....	28,131	26,058	Phosphates.....	30,909	25
Tinplate.....	20,464	24,462	Soy beans.....	10,326	.....
<i>Pacific to Atlantic</i>			Sugar.....	124,845	151,687
Asphalt and tar.....	10,565	20,807	Wheat.....	124,735	77,072
Barley.....	17,208	19,750	Wood pulp.....	22,137	19,057
			Wool.....	16,325	15,894

⁹ Except as otherwise classified. ¹⁰ Except fruit. ¹¹ Except bananas.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of April, 1939, 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.....			18	198
Agricultural implements.....	634		2,962	9
Alfalfa meal.....		464		527
Ammonium compounds.....	794		7,145	
Animal foods ¹²	104	53	104	53
Apparel, wearing (hats, shoes, clothing, etc.).....			24	69
Asbestos.....	1,151	13	3,778	197
Asphalt and tar.....	141	9,949	3,453	10,565
Automobiles (and autotricks).....	4,214	15	13,917	33
Automobile parts and accessories.....	764	121	4,488	128
Bags and bagging, textile.....	475	125	657	125
Bamboo and products.....				137
Bananas.....				1,294
Barks, miscellaneous.....		19		264
Barley.....		34	5	17,208
Beans, edible, dry.....	173	4,892	173	10,520
Beer.....	238		328	
Beverages, nonalcoholic.....	32		46	
Blood and tankage.....			238	214
Bones and bone meal.....	3		1,161	
Books and printed matter.....	51		103	
Borax.....		481	112	7,473
Bran and pollards.....	90	1	90	257
Bricks and tile.....	197		1,168	
Canned and preserved goods:				
Fish.....	444	13,628	746	22,204
Fruit.....	3,262	25,462	3,384	53,069
Meat.....	16	123	1,516	213
Milk.....	58	81	606	94
Soup.....	2,516		2,603	2
Vegetables.....	1,005	7,114	1,064	7,402
Miscellaneous and unclassified.....	2,246	12,503	3,028	14,570
Carbon black.....	60		86	26
Celite.....		438	21	718
Cement.....	583	153	12,598	376
Chalk.....			357	
Charcoal.....	67		67	
Chemicals ¹²	5,626	740	10,940	1,186
Clay, china and fire.....	403	644	701	1,023
Clay, filtering.....		20		20
Coal.....	13		253	
Cocoa and cacao beans.....	392		936	3,360
Coconuts and products ¹²	137	919	197	1,908
Coffee.....	358	54	7,311	15,902
Coke.....		27	4,905	27
Cold storage and refrigerated products:				
Dairy products.....	12	40	203	11,851
Eggs.....		42	28	50
Fish.....	125		168	1,205
Lard.....	874		1,076	29
Meats.....	169		537	17,961
Poultry.....		171		171
Vegetables.....	30	320	56	468
Other and unclassified.....	161		169	
Confectionery.....	1,802	20	1,864	20
Copra.....				5,478
Corn.....			303	
Cotton, raw.....	81	847	15,444	3,876
Creosote.....	32		5,369	
Drugs and medicines.....	2,116	118	2,556	189
Dyes.....	17		167	
Earthenware.....	44	44	181	164
Electrical apparatus and appliances.....	1,844	384	2,987	399
Enamelware and metalware.....	825	5	956	90
Explosives.....	153		750	15
Extract, quebracho.....			1,650	
Fertilizers ¹²	198	77	1,152	448
Fish, salted or dry cured.....				32
Fish meal.....		5		3,263
Floor coverings.....	2,107	1,459	2,304	1,883
Flour.....	70	7,096	1,769	11,139
Fruit, dried.....		7,503	22	17,813
Fruit, fresh ¹²		3,559	317	46,407
Furniture and household goods.....	655	37	948	40
Gallnuts.....				12

¹² 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	13,878	7,689	40,971	19,142
Glass and glassware	2,220	23	4,505	693
Glue	93	58	93	58
Grains ¹²		11	35	761
Groceries	1,692	407	2,435	632
Gums		47	10	174
Hair, all kinds	197	48	197	123
Hay		55		55
Hemp, unmanufactured	45	114	60	2,255
Honey		31		126
Hops			36	
Horns and hoofs			37	
Infusorial earth	50	582	95	1,084
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	71,289	806	147,478	1,087
Ivory nuts				1,368
Jute, unmanufactured			76	
Lard, substitute	586		604	21
Lime	17		70	
Liquors	3,733	378	5,363	661
Lumber (including manufactured mill products)	2,999	126,161	4,600	307,053
Machinery	3,081	855	14,973	1,884
Malt	103		499	80
Manufactured goods ¹²	9,231	1,327	14,907	3,483
Marble and granite	82		370	
Matches	308	161	364	162
Metals:				
Antimony	23		23	
Copper	408	2,146	5,315	31,771
Gold and silver	1		1	156
Iron	637	17	3,504	4,257
Lead	35	1,858	1,102	19,435
Tin	186	167	2,922	767
Zinc	194	41	824	8,677
Other and unclassified	590	136	3,262	1,651
Milk, powdered	30	326	32	592
Molasses and syrups	338		447	7,306
Nitrate	1,290		8,304	170,681
Nuts, edible (including meats)		281	197	799
Oats	176	140	206	12,281
Oils, mineral:				
Crude	23	9,458	16,020	51,252
Gas and fuel		40,688	22,521	67,679
Gasoline, benzine, and naphtha	2	37,978	4,477	57,469
Kerosene			676	26,879
Lubricating and greases	8,137	680	21,742	1,547
Other and unclassified			4	
Oils, vegetable:				
Coconut		631	25	12,599
Cottonseed			174	
Linseed	273		1,905	
Olive		28	180	28
Peanut		24		294
Rapeseed				60
Teaseed		21		262
Wood	51	21	162	2,243
Other and unclassified	401	181	508	5,769
Oil, fish	275		552	2,008
Oil, whale		741		741
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)		22	5,063	2,699
Oilseed cake and meal	2,664		2,664	2,432
Orcs:				
Antimony		71		384
Chrome	119		119	8,744
Copper		90		243
Gold and silver				400
Iron	319		319	146,050
Lead				2,763
Magnesite		758		758
Manganese	51	49	51	754
Tin		57		3,549
Zinc	90		90	2,277
Other and unclassified	18		111	10,553
Paints and varnishes	1,416	214	2,695	290
Paper and paper products ¹²	11,581	5,604	31,923	10,894
Peanuts	652		652	102
Peas, dry				686
Peatmoss			961	
Phosphates	473	39	26,712	30,909
Plaster			592	

¹² 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
Porcelainware.....	391	18	853	1,666
Potash.....		239	703	239
Pyrethrum flowers.....				79
Rags and waste.....	190	40	2,128	397
Railroad material.....	1,727		11,172	
Rice.....	713	822	861	3,308
Rope and twine.....	524	186	2,879	186
Rosin.....	1,074	15	2,683	18
Rubber:				
Manufactured.....	921	292	1,362	3,500
Raw.....	299	2	466	1,935
Scrap.....	9		2,013	20
Salt.....	106	350	2,173	350
Sand.....	473		2,397	50
Scrap metal.....	151	228	138,565	524
Seeds (except oilseeds).....	47	322	333	1,453
Sewer pipe (concrete and terra cotta).....			30	
Shells, oyster.....	452		511	173
Silk, raw.....		152		1,869
Skins and hides.....		2,305	334	5,167
Slag.....			800	
Slate.....	2,711		2,711	
Soaps and products.....	3,112	195	3,266	324
Soda and sodium compounds:				
Soda ash.....	245		489	335
Soda, caustic.....	454	140	1,500	910
Miscellaneous and unclassified.....	437		869	
Soy beans.....	137		137	10,326
Spices.....	202	7	264	8
Sugar.....	45	24,310	391	124,845
Sulphur.....	20,511	41	28,131	41
Talc.....	27	85	34	420
Tallow.....	20	1,030	102	3,577
Tea.....		41	137	700
Textiles ¹²	2,983	58	4,877	2,461
Tiuplate.....	8,690		20,464	
Tobacco and manufactures.....	399	203	7,451	2,564
Toilet preparations.....	333		348	95
Turpentine.....	90		137	
Vegetables, dry ¹²			90	6,138
Wallboard.....	33	1,097	33	1,686
Wax, paraffin.....	340	45	1,299	670
Wheat.....		52	154	124,735
Wines.....	241	893	470	1,383
Wood pulp.....	591	17,950	3,688	22,137
Wool.....	28	2,892	539	16,325
Total, April 1939.....	226,325	395,030	784,924	1,687,580
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

¹² Except as otherwise classified.¹³ Cotton, silk, wool, rayon goods.

Tanker Traffic

The following tabulation shows, according to trade routes, the tanker traffic through the Canal during the month of April 1939:

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	44,138		9	52,530	¹⁵ 99,145
East coast United States and:						
Balboa.....	1	6,086	476			
Hawaiian Islands.....				1	3,732	¹⁶ 7,306
Far East.....	1	6,711	12,287			
Central America/Mexico intercoastal.....	1	6,264	12,300			
South America intercoastal.....	1	4,359	3,000			
South America/Canada.....				1	4,359	7,500
West Indies and:						
Balboa.....	1	5,220	10,447			
United States.....	1	5,362		3	18,968	39,497
South America.....				3	7,126	1,652
Europe and:						
United States.....	4	23,030	¹⁴ 5,311	1	6,037	11,462
South America.....	3	17,574		5	27,611	53,931
Hawaiian Islands.....	1	8,696				
Total.....	21	127,440	43,821	23	120,363	220,493

¹⁴ Includes 5,311 tons of creosote. ¹⁵ Includes 9,913 tons of asphalt. ¹⁶ Molasses.

Comparison of Canal Traffic in April 1939, with April Traffic in Previous Years

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

Calendar year	Month of April ¹⁷			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)
1915	17 116	404	521	1915	18 100	334	466
1916	69	233	366	1916	60	184	258
1917	146	524	628	1917	145	447	588
1918	168	542	627	1918	165	506	627
1919	158	481	507	1919	162	472	576
1920	207	821	867	1920	199	659	781
1921	222	955	908	1921	232	879	966
1922	225	974	1,046	1922	222	880	907
1923	399	2,007	2,187	1923	325	1,434	1,631
1924	395	2,052	2,159	1924	429	2,016	2,249
1925	372	1,840	1,951	1925	382	1,761	1,996
1926	417	2,047	2,237	1926	424	1,909	2,169
1927	449	2,223	2,429	1927	441	2,020	2,311
1928	510	2,382	2,473	1928	521	2,269	2,468
1929	532	2,487	2,718	1929	524	2,299	2,554
1930	479	2,478	2,456	1930	502	2,310	2,502
1931	437	2,291	2,009	1931	447	2,140	2,089
1932	347	1,862	1,442	1932	364	1,820	1,650
1933	337	1,838	1,526	1933	347	1,758	1,513
1934	469	2,493	2,291	1934	436	2,201	2,059
1935	432	2,259	2,079	1935	432	2,143	2,109
1936	482	2,484	2,430	1936	449	2,160	2,209
1937	473	2,461	2,653	1937	467	2,224	2,507
1938	487	2,259	2,279	1938	460	2,163	2,282
1939	496	2,278	2,472	1939 (10 months)	492	2,255	2,289

¹⁷ Canal opened August 15, 1914. ¹⁸ Average for 10½ months.

Terminal Activities

Ships repaired during the month of April 1939, numbered 47. Vessels released from drydock numbered 15. Fuel oil amounting to 251,697 barrels was delivered as bunkers to 124 commercial vessels. Bunker coal amounting to 5,373 tons was delivered to 23 commercial vessels. Sales of commissary supplies to ships aggregated \$59,380.64.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving..... tons	24,703	10,029	34,732
Local cargo shipped..... tons	2,785	746	3,531
Cargo received for transshipment..... tons	50,476	4,370	54,846
Cargo transhipped..... tons	49,930	1,217	51,147
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	7	2	9
Number of releases issued.....	46	24	70
Tons received.....	50	32	82
Tons withdrawn.....	37	16	53

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..	657	3,871,957	2,534,706	624	3,589,587	2,394,351
Vessels entering port but not transiting Canal.	59	326,372	181,596	16	53,367	35,204
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	154	896,632	536,469	111	700,058	422,870
<i>Ships clearing</i>						
All vessels, including those transiting Canal..	656	3,867,172	2,533,053	544	3,049,249	1,858,479
Vessels clearing port but not transiting Canal.	63	350,254	197,260	12	51,002	33,879
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	151	881,818	528,302	112	704,635	425,493

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, 1939, to midnight May 10, 1939. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Yamaura Maru, 241, 0	Telde, 239, 223	Santa Inez, 382, 0	Hermionthis, 50, 44	Santa Barbara, 320, 21
Kano Maru, 233, 0	Pericles, 150, 949	Santa Rosa, 113, 253	Nero, 526, 0	Unicoi, 80, 0
Leipzig, 148, 165	Douro, 125, 142	Jeff Davis, 185, 0	Seattle, 76, 601	West Camargo, 80, 247
San Pedro, 126, 97	City of Glasgow, 0, 318	Canada, 450, 762	Costa Rica, 20, 2,050	Veragua, 73, 590
Laurits Swenson, 10, 0	Patria, 770, 181	Marie Bakke, 340, 7	Douro, 350, 411	Clio, 615, 62
City of San Francisco, 603, 0	Evanger, 98, 422	Chiriqui, 104, 43	Pasajero, 49, 26	Bogota, 10, 614
Chester Valley, 1,724, 472	Terukawa Maru, 288½, 0	Oregon, 29, 11	Kaimata, 123, 200	Durazzo, 1,074, 392
Caribia, 18, 1,006½	Hulda Maersk, 168, 153	Kiyokawa Maru, 456, 0	Copiapo, 28, 0	Trois Ilets, 250, 99
Cefalu, 779, 495	Durazzo, 0, 1,189	Sanyo Maru, 200, 203	Wyoming, 323, 37	Ino, 604, 0
Nuevo Panama, 0, 99	Deroche, 1,113, 0	Nuernberg, 224, 326	Takaoka Maru, 112, 41	Derrymore, 0, 252
Real, 0, 49	Santos, 12, 331	Trois Ilets, 260, 13	Abraham Lincoln, 13, 513	Axel Johnson, 110, 279
Salvador, 1,058, 492	Santa Elena, 118, 180	Virgilio, 127, 0	San Gil, 320, 341	Nero, 0, 55
Colombie, 138, 63	City of Norfolk, 165, 0	Brandanger, 53, 292	Colombia, 898, 318	Colombia, 812, 303
Alkmaar, 378, 1,070	Contessa, 565, 724	City of Baltimore, 258, 0	Talamanca, 44, 47	Hokuroku Maru, 535, 65
Losada, 1 pkg., 487	Cellina, 173, 58	Sambu, 0, 53	Santa Paula, 104, 207	Sagittaire, 0, 24
Santa Lucia, 493, 104	Noto Maru, 345, 91	Cefalu, 234, 626	Cordillera, 194, 35	Saarland, 70, 113
Musa, 1,213, 129	Santa Barbara, 274, 0	Weser, 67, 155	Valparaiso, 150, 236	Santa Elena, 91, 398
Ancon, 4,060, 1,058	Lochgail, 179, 187	Margaret Lykes, 1,150, 513½	Helder, 113, 130	Quirigua, 143, 142
San Gil, 272, 713	Quito, 8, 624	Amerika, 17, 159	Bretagne, 168, 595	Simon Bolivar, 158, 32
Talamanca, 112, 677	Platano, 1,080, 105	Munsterland, 191, 0	Historian, 233, 0	Jersbek, 38, 299
San Antonio, 214, 289	Pereira, 675, 512	Hans Arp, 12, 148	City of Newport News, 202, 0	Santa Maria, 13,203, 0
Alaska, 1,823, 11	Chile, 0, 1	Oropesa, 53, 23	Iserlohn, 35, 0	Ionia, 44, 476
Nero, 233, 85	Naruto Maru, 102, 0	Acajutla, 830, 760	Contessa, 873, 553	Osnabruck, 193, 1
Quito, 847, 2 pkgs.	Quirigua, 246, 281	Musa, 1,042, ½	Fella, 108, 0	Osoruo, 215, 590
Santa Maria, 836, 40½	San Mateo, 716, 575	Muenchen, 57, 1,463	Delftdijk, 293, 185	Cordillera, 55, 528
Boskoop, 600 lbs., 190	Bogota, 696, 218	Port Antonio, 7, 271	Nuevo Panama, 0, 204	Real, 0, 29
Misoa, 6,007, 0	Port Antonio, 7, 271	Erria, 0, 3	Sambu, 0, 113	Salvador, 1,081, 0
Alabama, 85, 553	San Marcos, 242, 0	San Jose, 244, 148	San Simeon, 1,202, 10	Ermland, 115, 0
Ino, 500, 97	Ulua, 472, 49	Magister, 402, 42	Bennekorn, 303, 2,092	Orbita, 23, 677
Colombie, 3, 1,763	Costa Rica, 77, 6	Orotava, 637, 792	John Cabot, 1,051, 763½	Tacoma, 287, 0
Isar, 303, 1,080	Ino, 476, 133	Francis R. Hart, 5,826, 0	San Jose, 244, 148	Cefalu, 354, 702
Colonial, 337, 0	Clio, 548, 168	Santa Marta, 335, 65	Choluteca, 0, 145	Besholt, 152, 0
Sixtola, 139, 30	Santa Rita, 620, 326	Lochkatrine, 226, 0	Santa Clara, 490, 165	San Vincente, 685, 6
Istmo, 461, 304	Guayaquil, 2,449, 465	Swaben, 63, 444	Marchen Maersk, 444, 112	Santa Maria, 397, 119
Trois Ilets, 302, 86	Istmo, 754, 0	Chester O. Swain, 839, 0	Dresden, 47, 875	Telde, 166, 365
Veragua, 68, 70	Reina del Pacifico, 132, 638	Este, 65, 128	Platano, 1,366, 10	Maravi, 1, 417
Donau, 119, 304	Colombia, 37, 293½	Silverwillow, 345, 0	Panama, 5,427, 1,440	Musa, 1,285, 0
Palatia, 8, 691	Tai Ping, 601, 0	Cerigo, 909, 104½		
Orazio, 11, 107				

BALBOA

Santa Lucia, 12, 11	Santos, 703, 7	Acajutla, 4, 0	Rangitata, 55, 0	Point Lobos, 0, 1,067
Santa Maria, 167, 60	Santa Barbara, 11, 2	Marie Bakke, 1,290, 0	Acajutla, 0, 4	Bokuyo Maru, 87, 0
Alabama, 969, 0	Hunter Liggett, 126, 147	West Nilus, 1,357, 0	City of Newport News, 80, 0	Besholt, 129, 0
San Gil, 0, 240	Charcas, 149, 0	San Gil, 77, 0	San Jose, 1,055, 0	Santa Maria (Grace), 9, 0
Telde, 240, 0	Lebec, 10,000, 0	Cuyama, 7,805, 0	Santa Clara, 9, 10	Santa Maria (Union), 119, 0
Buenos Aires Maru, 0, 12	Santa Rita, 110, 0	Santa Lucia, 122, 33	Marchen Maersk, 366, 0	
Deroche, 2,994, 0	Santa Inez, 1, 0	Venice Maru, 807, 0	Santa Barbara, 188, 5	
Emergency Aid, 140, 0	Vega, 52, 0	Helga, 0, 165	St. Mihiel, 83, 100	
City of Norfolk, 154, 0	Tai Ping, 137, 0	City of San Francisco, 0, 2	Conдор, 261, 16	
Atlantic, 10,447, 0	Pereira, 0, 93	Chester O. Swain, 576, 0	Axel Johnson, 512, 0	

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

Passengers

During April 1939, ocean-ship passengers debarking at Cristobal numbered 2,288, embarking 2,523; at Balboa, 787 debarking, 939 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 4,592; from the Pacific to the Atlantic, 3,532. Commercial aircraft numbering 59 entered Cristobal, 294 passengers debarking; clearances were 62 with 263 passengers embarking. Balboa entries of aircraft numbered 54, with 134 passengers debarking; clearances were 54 with 114 passengers embarking.

Ships' Chandlery Supplies

Panama Canal Storehouses carry a complete line of ships' chandlery supplies available for sale to ships.

Movements of Ocean Vessels Through the Panama Canal

From midnight April 10, 1939, to midnight May 10, 1939

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Lochavon ²	10	11	Brit.	Royal Mail Lines	Rotterdam, Neth.	Vancouver, B. C.	General	5,246
Mussolini ²	10	11	Pan.	D. Campodonico	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Mobilgas ¹	10	11	Amer.	Socony Vac. Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Texas Sun ^{1 2}	11	11	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	
Laurits Swenson ²	11	11	Nor.	Fred Olsen & Co.	Oslo, Norway	Vancouver, B. C.	General	6,565
Point Ancha	11	11	Amer.	Swayne & Hoyt	New Orleans, La.	Seattle, Wash.	General	6,159
Gannet ¹⁰	11	11	Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Umberleigh	11	11	Brit.	Seaboard Ship. Co.	Barry, England	North Pacific	Ballast	
Antigone	11	12	Brit.	Andrew Weir & Co.	Baltimore, Md.	Yawata, Japan	Scrap steel	7,606
San Pedro	11	12	Fr.	French Line	Dunkerque, Fr.	Vancouver, B. C.	General	5,859
Thorstrand ²	11	12	Nor.	Fred Olsen & Co.	London, England	Los Angeles, Cal.	Ballast	
El Oso ¹	11	12	Brit.	C. T. Bowring & Co.	Ellesmere, Eng.	Cabo Blanco, Peru	Ballast	
Porto Bello ³	11	11	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Taranaki ²	12	12	Brit.	Shaw, Savill & Albion	Glasgow, Scotland	Oamaru, N. Z.	General	8,010
Wellpark	12	12	Brit.	Hasegawa Co.	New Orleans, La.	Japan	Scrap iron	7,696
Enoch ³	12	12	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹⁴		20
Dorsey ¹³	13	16	Amer.	U. S. Navy	Guantanamo, Cuba	San Diego, Cal.	Ballast	
Elliot ¹³	13	16	Amer.	U. S. Navy	Guantanamo, Cuba	San Diego, Cal.	Ballast	
Boggs ¹³	13	16	Amer.	U. S. Navy	Guantanamo, Cuba	San Diego, Cal.	Ballast	
Lamberton ¹³	13	16	Amer.	U. S. Navy	Guantanamo, Cuba	San Diego, Cal.	Ballast	
Utah ¹³	13	16	Amer.	U. S. Navy	Guantanamo, Cuba	Los Angeles, Cal.	Ballast	
Losada ²	13	13	Brit.	Pacific Steam Nav. Co.	Hull, England	Colonel, Chile	General	4,415
Imperial ²	13	13	Chile	Cia. Sud Amer. de Vap.	Hamburg, Ger.	Valparaiso, Chile	General	699
Troma ²	13	13	Nor.	Canadian Transp. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Nuevo Panama ²	11	14	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Armies, R. P.	General	140
Nordlys	13	14	Dan.	Chile Nit. Sales Corp.	Norfolk, Va.	Tocopilla, Chile	Ballast	
Alkmaar	12	14	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	2,043
Corsair ⁵	12	14	Amer.	V. S. Bowen	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Col. Riche ⁵	12	14	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow, barge	
Real ²	12	14	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	General	51
Michael Livanos	13	14	Greek	Simpson Spence, Young	New York, N. Y.	Japan	Scrap iron	8,284
President Hayes	14	14	Amer.	Amer.-President Lines	New York, N. Y.	Hongkong, China	General	3,587
Sahale	14	15	Amer.	Amer.-For. S. S. Corp.	New Orleans, La.	Oakland, Calif.	Sulphur	7,400
Willet ⁴	14	14	Amer.	Merritt, Chap., Scott.	Norfolk, Va.	Callao, Peru	Ballast	
William Luckenbach	14	14	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	3,106
Alabaman	14	14	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	3,155
Santa Maria ²	14	15	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile	General	2,759
San Gil	13	15	Pan.	United Fruit Co.	New Orleans, La.	Champico, Guatemala	Gen., exp.	531
Neptunian ²	14	14	Brit.	Seaboard Co.	Newcastle, Eng.	Vancouver, B. C.	Ballast	
Napama	14	15	Fr.	French Line	Havre, France	Valparaiso, Chile	General	2,078
Misoa ¹	14	15	Brit.	West India Oil Co.	Aruba, N. W. I.	Balboa, C. Z.	Drydock	
Isar	14	15	Ger.	North German Lloyd	Hamburg, Ger.	Magallanes, Chile	General	2,723
Laila	14	15	Dan.	Wessel, Duval & Co.	New York, N. Y.	Talcahuano, Chile	General	1,629
Nero ²	13	15	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	77
Jane Christensen	15	15	Amer.	Arrow Line	Baltimore, Md.	Seattle, Wash.	General	2,218
Tento ²	15	16	Nor.	Iwai & Co.	Philadelphia, Pa.	Yokohama, Japan	Scrap iron	7,004
Ino ²	14	15	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	88
Nordbo ²	15	15	Dan.	East India Nav. Co.	Boston, Mass.	Osaka, Japan	(¹⁵) General	7,650
Hawaiian	15	15	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Tacoma, Wash.	General	3,956
Boxhill	15	16	Brit.	Counties S. S. Managt	Amsterdam, Neth.	Los Angeles, Cal.	Ballast	
Lossiebank ²	15	16	Brit.	Andrew Weir & Co.	Baltimore, Md.	Shanghai, China	General	3,500
Istmo	14	16	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	770
L-53 ⁵	15	16	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow, barge	
Sea Dog ⁵	15	16	Amer.	W. C. Cope	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Anniston City	16	16	Amer.	Isthmian S. S. Lines	Portland, Me.	Seattle, Wash.	Steel, gen.	4,889
Alaskan	16	16	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	3,436
Trois Ilets	14	16	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	85
Moldanger ²	16	17	Nor.	Intercean S. S. Corp.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Evanger	16	17	Nor.	Westfal, Larsen & Co.	Rosario, Arg.	Vancouver, B. C.	General	5,630
Jean L. D. ²	16	17	Fr.	Louis Dreyfus & Co.	Rotterdam, Neth.	Portland, Oreg.	Ballast	
Steel Scientist	17	17	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Far East ports	General	7,654
Port Alma ²	17	17	Brit.	Port Line, Ltd.	London, England	Auckland, N. Z.	General	4,728
Buenos Aires Maru ²	17	18	Jap.	Osaka Shosen Kaisha	Buenos Aires, Arg.	Kobe, Japan	Gen., coffee	4,687
Maui	17	20	Amer.	Baltimore Mail Co.	New York, N. Y.	S. Francisco, Cal.	General	2,656
Florence Luckenbach	17	17	Amer.	Luckenbach Line	Mobile, Ala.	Tacoma, Wash.	General	6,220
Nako Maru ²	17	18	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Kobe, Japan	Oil, asbestos	8,465
Patria	16	18	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Valparaiso, Chile	General	2,700
Getuyo Maru ²	17	18	Jap.	Mitsui Bussan Kaisha	New York, N. Y.	Osaka, Japan	Cotton, lead	6,998
Tatekawa Maru ^{1 2}	17	18	Jap.	Kawasaki K. Kaisha	Houston, Tex.	Tokuyama, Japan	Crude oil	12,287
Chickasaw City	17	18	Amer.	Isthmian S. S. Lines	Mobile, Ala.	Honolulu, T. H.	Tinplate, gen.	8,473
Porto Bello ³	17	17	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ¹⁰ Mine sweeper. ¹³ Mobile target.¹⁴ For bananas and return to Cristobal. ¹⁵ Scrap steel, iron.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Col. Riche ⁵			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.	
Durazzo	7	18	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecu.	General.	618
Gregalia	18	18	Brit.	Donaldson Line.	Glasgow, Scot.	Vancouver, B. C.	General.	850
K. R. Kingsbury ¹	18	18	Amer.	Standard Oil of Calif.	Providence, R. I.	S. Francisco, Cal.	Ballast.	
Rotorua	18	19	Brit.	N. Z. Shipping Co.	London, England	Bluff, N. Z.	(¹⁴)	6,116
Peter Maersk ²	18	18	Dan.	Maersk Line.	Boston, Mass.	Bugo, P. I.	General.	6,194
Salvador	11	18	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champico, Guat.	General.	492
Kookaburra ²	18	18	Swed.	Rederi Aktiebolaget.	Goth'burg, Swed.	Los Angeles, Cal.	Ballast.	
Sorholt ²	18	19	Nor.	De La Rama S. S. Co.	Baltimore, Md.	Shanghai, China.	General.	3,197
Santos ²	18	19	Swed.	Johnson Line.	Goth'burg, Swed.	Valparaiso, Chile.	General.	1,584
Atlantic ^{1 2}	18		Nor.	Standard Oil of N. J.	Aruba, N. W. I.	Balboa, C. Z.	Fuel oil.	10,447
Mussolini ²	17		Pan.	D. Campodonico.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Edgar F. Luckenbach.	18	19	Amer.	Luckenbach Line.	Houston, Tex.	Tacoma, Wash.	General.	5,200
Tura ²	18		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Gen. Wm. M. Graham. ¹¹			Amer.	U. S. Army.	Cristobal, C. Z.	Gamboa, C. Z.	Ballast.	
Carica Milica.	18	19	J-Slav.	Overseas Nav. Trust.	New York, N. Y.	Kobe, Japan.	Scrap iron.	8,950
City of Kimberley	19	19	Brit.	Ellerman & Bucknall.	New York, N. Y.	Sydney, Aust.	General.	3,381
Oregon Express ²	19	19	Nor.	Fruit Express Line.	Glasgow, Scot.	Los Angeles, Cal.	Ballast.	
Santore.	19	19	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.	
Australian Reefer ²	19	20	Dan.	J. Lauritzen	Dieppe, France.	Los Angeles, Cal.	Ballast.	
Tredinnick	19	19	Brit.	Hain S. S. Co.	Cardiff, Wales.	West coast N. A.	Ballast.	
Cathwood ¹	19	20	Amer.	Union Oil of Calif.	Savannah, Ga.	Los Angeles, Cal.	Ballast.	
Pacific	19	20	Amer.	Weyerhaeuser S. S. Co.	New York, N. Y.	Tacoma, Wash.	Steel, gen.	5,699
Seebeli ²	19	20	Nor.	A/S Thor Dahl	Copenhagen, Den.	Los Angeles, Cal.	Ballast.	
Real ²	18		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Sambu ²	18		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
L-53 ³	18		Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Fresno City ²	19	20	Brit.	Mitsubishi Line.	Tampa, Fla.	Japan.	Phosphate	8,522
El Mirlo ^{1 2}	19	20	Brit.	C. T. Bowring & Co.	Ellesmere, Eng.	Cabo Bl'co, Peru	Ballast.	
Athelcrown ^{1 2}	20	20	Brit.	United Molasses Co.	Birkenhead, Eng.	Honolulu, T. H.	Ballast.	
Uranienborg.	20	20	Dan.	C. K. Hansen	New York, N. Y.	Moji, Japan.	Steel scrap.	5,553
Yorkmoor	20	20	Brit.	Canadian Transp. Co.	Halifax, N. S.	Vancouver, B. C.	Rails, gen.	5,706
Fiscus	20	20	Brit.	Jefferson Lake Co.	Freeport, Tex.	Geelong, Aust.	Crude sulph.	7,604
Hunter Liggett ⁸	19	21	Amer.	U. S. Army.	New York, N. Y.	S. Francisco, Cal.	General.	4,592
Atutasan Maru ²	20	21	Jap.	Mitsui & Co.	New York, N. Y.	Yokohama, Japan	General.	7,233
Chinese Prince ²	20	21	Brit.	Prince Line, Ltd.	Philadelphia, Pa.	Hongkong, China	General.	3,269
Losmar	21	21	Amer.	Calmar Line.	Philadelphia, Pa.	Portland, Oreg.	Steel, gen.	5,949
Caplin ⁶	19	21	Brit.	Comdr. R. D. Graham	Montego Bay, Jam	Tahiti	Ballast.	
Port Montreal ²	21	22	Brit.	Mont-Aust.-N.Z. Line	St. John, N. B.	Dunedin, N. Z.	(¹⁵)	4,516
Svealand ²	21	22	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.	
California Star ²	21	22	Brit.	Blue Star Line.	London, England	Wellington, N. Z.	Ballast.	
Walter A. Luckenbach.	21	22	Amer.	Luckenbach Line.	Boston, Mass.	Seattle, Wash.	General.	3,972
Kinai Maru ²	21	22	Jap.	Osaka Syosen Kaisya.	London, England	Dairen, China.	General.	8,175
Timber Rush	21	22	Amer.	Shepard S. S. Co.	Boston, Mass.	Tacoma, Wash.	General.	4,894
Eli ²	21	22	Nor.	Jorgensen Rederi	Philadelphia, Pa.	Kamaishi, Jap.	Scrap steel	7,323
Col. Riche ⁵	21	23	Amer.	U. S. Army.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
San Marcos	21	23	Amer.	Quaker Line.	New York, N. Y.	Seattle, Wash.	General.	5,566
Ino ²	21	22	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General.	121
Skramstad ²	22	22	Nor.	Fern Line.	Savannah, Ga.	Kobe, Japan.	Scrap steel	7,272
Nordpol ²	22	22	Dan.	West Indian Trad. Co.	Pt. Arthur, Tex.	Yokohama, Japan	Scrap iron.	7,700
Charles H. Cramp	22	22	Amer.	Isthmian S. S. Lines.	Portland, Me.	Seattle, Wash.	Steel, gen.	4,758
Hopecastle ²	22	23	Brit.	Hypho Phosphate Co.	Sfax, Tunisia	Auckland, N. Z.	Phosphate	8,600
Robert F. Hand ^{1 2}	22	23	Brit.	Anglo-Amer. Oil Co.	London, England	S. Francisco, Cal.	Ballast.	
Reina del Pacifico ²	22	23	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile.	General.	2,176
Henry D. Whiton	22	23	Amer.	Tex. Gulf & Freept'Sul.	Galveston, Tex.	Everett, Wash.	Sulphur	6,600
Clio ²	21	23	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	152
Cubano	22	23	Nor.	Chile. Nit. Sales Corp.	Philadelphia, Pa.	Toconilla, Chile.	Ballast.	
Georgian	22	23	Amer.	Amer.-Hawaiian Line.	Bridgeport, Conn.	Seattle, Wash.	General.	4,200
City of Tokio.	22	23	Brit.	Ellerman & Bucknall.	Philadelphia, Pa.	Brisbane, Aust.	General.	5,627
Ida F. ⁵			Amer.	Dan McAllister	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Gen. Wm. M. Graham. ¹¹			Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow. barge.	
Quito ²	19	23	Ger.	North German Lloyd.	Barranquilla, Col.	Guayaquil, Ecu.	General.	665
Santa Rita ²	21	23	Amer.	Grace Line.	New York, N. Y.	Chanaral, Chile.	Gen., explo.	2,367
Taranger ²	22	23	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.	
Kenmar	23	23	Amer.	Calmar Line.	Baltimore, Md.	Tacoma, Wash.	Steel, gen.	6,295
Pluviose ¹	23	23	Fr.	Raffineries de Berre	Berre, France.	Talara, Peru.	Ballast.	
Colombia ²	22	23	Pan.	Elliot Ship. & Land Co.	Landskrona, Swed	B'ventura, Col.	Gen., salt.	1,044
Minerva ²	23	23	Nor.	Chile Nit. Sales Corp.	Mobile, Ala.	Toconilla, Chile.	Ballast.	
City of Los Angeles.	23	24	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.	3,570
Muncaster Castle ²	23	24	Brit.	Lancashire Ship. Co.	New York, N. Y.	Shanghai, China.	General.	2,326
YG-17 ¹³			Amer.	U. S. Navy.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Pacific Pioneer ²	23	24	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General.	346

¹ Tanker. ² Motor ship. ⁵ Launch. ⁶ Yacht. ⁸ Transport. ¹¹ Mine planter. ¹³ Garbage lighter. ¹⁴ General, iron, steel, etc. ¹⁵ Automobiles, steel, paper.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Vega ⁸	23	26	Amer.	U. S. Navy	Norfolk, Va	Bremerton, Wash.	General	3,878
Brynje ²	24	25	Nor	Canadian Transp. Co.	Vera Cruz, Mexico	Vancouver, B. C.	Ballast	
Pereira	19	25	Pan	Grace Line	Cristobal, C. Z.	Champ'co, Guat.	General	509
OB-19 ⁵	18		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	General	
Porto Bello ²	24	24	Pan	A. Tagaropulos	Cristobal, C. Z.	Real, R. P.	General	3
Dallas City ²	25	25	Pan	Reardon-Smith Line.	Tampa, Fla.	Kobe, Japan	Phosphate	9,000
Marconi ²	24		Pan	D. Campodonico.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Marie Bakke ²	24	26	Nor	Knut Knutsen O.A.S.	Oslo, Norway	Valparaiso, Chile.	Wood pulp.	922
Marija Petrinovic.	25	25	J-Slav	Chile Nit. Sales Corp.	Stettin, Germany	Chile	Ballast	
Zannis L. Cambanis.	25	25	Greek	Hasagawa Co.	Alhany, N. Y.	Kamaishi, Japan.	Scrap iron	7,200
Brandanger ²	25	25	Nor	General S. S. Corp.	Buenos Aires, Arg.	Vancouver, B. C.	Gen., coffee.	2,781
Trois Ilets	25	25	Fr	French Line	Cristobal, C. Z.	B'ventura, Col.	General	12
Point Salinas.	25	26	Amer.	Gulf-Pacific Line.	Mobile, Ala	Seattle, Wash	General	4,525
Virgilio ²	25	26	Ital.	Italia Line.	Genoa, Italy	Valparaiso, Chile.	General	662
Nuevo Panama ²	25		Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Skjelbred ²	25	26	Nor	Kawasaki K. Kaisha	Baltimore, Md.	Kobe, Japan	(14)	6,617
Weser ²	25	26	Ger	North German Lloyd.	Hamburg, Ger.	Vancouver, B. C.	General	1,678
Henderson ⁸	25	28	Amer.	U. S. Navy	Norfolk, Va	Manila, P. I.	General	564
Geisha ²	26	26	Nor	Knutsen Line	Goth' burg, Swed.	Valparaiso, Chile.	General	2,371
Hans Arp.	26	26	Ger	North German Lloyd.	Hamburg, Ger.	Champ'co, Guat.	General	3,954
Amerika ²	26	26	Dan.	East Asiatic Co.	Copenhagen, Den.	Vancouver, B. C.	General	477
Canada ²	24	26	Swed.	Johnson Line.	Sweden	Valparaiso, Chile.	Gen., cement	1,089
Kupa	26	27	J-Slav	Chile Nit. Sales Corp.	Cardiff, Wales.	Tocopilla, Chile.	Ballast	
Mosfruit ²	26	27	Nor	Martin Mosvold	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Frank ³	26		Pan	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹⁵		20
Sambu ²	25	26	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Armas, R.P.	General	57
Santa Lucia.	27	29	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	3,113
Honolulu	26	28	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	San Diego, Calif.	General	3,561
Dakotan	26	28	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Ore.	General	3,196
Sammanger	26	28	Nor	Chile Nit. Sales Corp.	Houston, Tex.	Chile	Ballast	
Torny.	27	29	Nor	No. Atl. & Gulf Co.	New York, N. Y.	Puntarenas, C. R.	Iron rails.	3,284
Munchen ²	26	29	Ger	North German Lloyd.	Hamburg, Ger.	Corral, Chile	General	4,012
Orotava	27	29	Hond.	United Fruit Co.	New Orleans, La.	La Union, Salv	General	646
Navarino.	27	29	Brit.	Seaboard Ship. Co.	Leith, Scotland	Vancouver, B. C.	Ballast	
Tekoa.	27	29	Brit.	N. Z. Shipping Co.	Newport, Eng.	Pt. Chalmers, N.Z.	General	8,943
Gretavale.	27	29	Brit.	Chile Nit. Sales Corp.	Hamburg, Ger.	Chile	Ballast	
Ulm ²	27	29	Ger	North German Lloyd.	Hamburg, Ger.	Los Angeles, Cal.	Ballast	
Point Arena	27	29	Amer.	Swayne & Hoyt	Mobile, Ala	Seattle, Wash.	General	4,747
Chas. R. McCormick.	27	29	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	Steel, gen	7,368
Tamerrlane ²	27	29	Nor	Wm. J. Roundtree	Louisburg, N. S.	Dairen, China	Steel, mach.	9,312
Port Sydney	28	29	Brit.	Port Line	London, England	Wellington, N. Z.	Ballast	
Hamakua.	28	29	Amer.	Matson Nav. Co.	Philadelphia, Pa.	Hilo, T. H.	Steel, gen.	4,641
Port Chalmers ²	28	29	Brit.	Port Line	London, England	Auckland, N. Z.	General	6,726
Edward Luckenbach.	28	29	Amer.	Luckenbach Line	Boston, Mass.	Tacoma, Wash.	General	4,383
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	
Veleiro III ⁶	28	5-2	Amer.	University of So. Calif.	Barranquilla, Col.	San Diego, Calif.	Ballast	
Helga	28	29	Dan.	J. Lauritzen	New York, N. Y.	Valparaiso, Chile.	General	2,008
Chastine Maersk ²	27	29	Dan.	Mitsui Co.	New York, N. Y.	Yokohama, Japan	(15)	7,365
Schwaben	28	30	Ger	North German Lloyd.	Hamburg, Ger.	Vancouver, B. C.	General	3,883
Rushpool	28	30	Brit.	Anglo-Can. S. S. Co.	S. Shields, Eng.	Brit. Columbia	Ballast	
Lockkatrine ²	28	30	Brit.	Royal Mail Lines	Rotterdam, Neth.	Vancouver, B. C.	General	2,505
Bethore	28	30	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Lebore	29	30	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
President Polk.	30	30	Amer.	Amer. President Lines	New York, N. Y.	S. Francisco, Cal.	General	4,491
Williamson ⁹	26		Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Childs ⁹	26		Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Kinka Maru ²	28	30	Jap.	Kokusai Kisen Kaisha	New York, N. Y.	Kobe, Japan	Cotton, tin.	8,459
City of San Francisco.	30	30	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General	2,877
Kimikawa Maru ²	28	30	Jap.	K Line	New York, N. Y.	Tokuyama, Japan	Gen., cotton.	7,974
Douro ²	29	30	Neth	Royal Neth. S. S. Co.	Pto. Barrios, Gua.	Tumaco, Colom.	General	373
Athina Livanos.	29	30	Greek	Chile Nit. Sales Corp.	Charleston, S. C.	Chile	Ballast	
Nicolas D. L.	29	30	Greek	Cephalonia Maritime	Hardlepool, Eng.	Vancouver, B. C.	Ballast	
Chester O. Swain ¹	29		Amer.	Standard Oil of N. J.	Aruba, N. W. I.	Balboa, C. Z.		476
City of Derby.	29	30	Brit.	Ellerman & Bucknall.	Baltimore, Md.	Dairen, China	(16)	5,775
Carolinian.	29	30	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	3,774
Corrientes	29	1	Brit.	Donaldson Line, Ltd.	Glasgow, Scotland	Vancouver, B. C.	General	799
Gen. Wm. M. Graham ¹¹	26		Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Hindanger ²	30	1	Nor	Interocean S. S. Corp.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Akiura Maru ²	30	1	Jap	Mitsubishi S. Kaisha	Pt. Tampa, Fla.	Osaka, Japan.	Cotton, coke	9,185
Bratford ²	30	1	Nor	Westralian Farmers	Liverpool, Eng.	Vancouver, B. C.	Ballast	
Fortmar	1	1	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	7,649
Nyhorn ²	1	1	Nor	Knutsen Line.	Sampton, Eng.	Vancouver, B. C.	Ballast	

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Launch. ⁵ Yacht. ⁶ Submarine. ⁷ Transport. ⁸ Destroyer. ⁹ Mine planter. ¹⁰ For bananas and return to Cristobal. ¹¹ Scrap iron, general. ¹² Scrap iron, steel. ¹³ General, steel products, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Trevalgan ²	1	4	Brit.	No. Pac. Shipping Co.	Swansea, England	Brit. Columbia	Ballast	
Colombia ²	30	1	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	760
Walter D. Munson	1	1	Amer.	Seagrams & Sons.	Baltimore, Md.	Portland, Oreg.	Whiskey	3,059
Northleigh	1	1	Brit.	Seaboard Ship. Co.	Barry, England	S. Francisco, Cal.	Ballast	
Col. Riche ⁵	23		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Porto Bello ²	1	1	Pan.	A. Tagaropulos	Cristobal, C. Z.	Real, R. P.	General	3
Cerigo	29	2	Ger.	Hamburg-Amer. Line	Cristobal, C. Z.	Guayaquil, Ecu.	General	76
Naumburg	1	2	Ger.	Hamburg-Amer. Line	New Orleans, La.	New Zealand	General	6,888
Wildwood	1	2	Amer.	McCormick S. S. Co.	Philadelphia, Pa.	Seattle, Wash.	General	2,797
Tropic Star ²	2	2	Nor.	Chile Nit. Sales Corp.	Pensacola, Fla.	Chile	Ballast	
Marconi ²	30		Pan.	D. Campodonico	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Robert Luckenbach	2	2	Amer.	Luckenbach Line	Tampa, Fla.	Tacoma, Wash.	General	6,545
Acajutla	26	2	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General	745
M. A. Powers ^{1 2}	30	2	Amer.	Petroleum Nav. Co.	New York, N. Y.	S. Francisco, Cal.	Lub. oil	457
Orion ¹²	2	5	Brit.	British Government	Kingston, Jam.	Vancouver, B. C.	Ballast	
Petter II ¹	2	3	Nor.	Standard Oil of N. J.	Aruba, N. W. I.	Tocopilla, Chile	Fuel oil	9,790
Tai Yang ²	3	15	2	W. Wilhelmsen Line	Boston, Mass.	Osaka, Japan	Scrap iron	8,380
Silvervev ²	2	2	Brit.	Silver Line, Ltd.	Boston, Mass.	Hongkong, China	General	1,676
Lena ⁶	24	4	Amer.	Akim Koupranoff	Boston, Mass.	Tahiti, So. Sea Is.	Ballast	
P. 6 ⁵	1		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Col. Riche ⁵	1		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge	
E. J. Hooper No. 1	5		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	Not stated	
Port Bowen	2	3	Brit.	Port Line, Ltd.	Glasgow, Scotland	Australia	General	5,202
Thrush ¹⁰	7		Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Kaikoura ²	3	3	Brit.	Mont.-Aust.-N. Z. Line	Halifax, N. S.	Adelaide, Aust.	General	5,254
Fella ²	2	3	Ital.	Italia Line	Trieste, Italy	Vancouver, B. C.	General	1,810
British Columbia Express ²	3	3	Nor.	Fruit Express Line	Glasgow, Scotland	Los Angeles, Cal.	Ballast	
Hellen	3	3	Nor.	Chile Nit. Sales Corp.	Charleston, S. C.	Chile	Ballast	
Nuevo Panama ²	2	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R. P.	General	250
San Jose	2	4	Fr.	French Line	Havre, France	Vancouver, B. C.	General	4,757
Sambu ²	2	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R. P.	General	90
Hegira	4	4	Amer.	Weyerhaeuser S. S. Co.	New York, N. Y.	Seattle, Wash.	General	4,650
Maore	3	4	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Nebraskan	3	4	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,306
R. J. Hanna ¹	3	4	Amer.	Standard Oil of Calif.	Baltimore, Md.	S. Francisco, Cal.	Ballast	
Waipawa ²	4	4	Brit.	Shaw, Savill Lines	London, England	Lyttelton, N. Z.	General	5,958
Steel Voyager	4	4	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Kahului, T. H.	Steel, gen.	6,085
Mugford ⁹	4	4	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	Ballast	
African Reefer ²	4	4	Dan.	J. Lauritzen	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Memphis ¹²	1	4	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	Ballast	
Potter ²	4	4	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Haiphong, China	Gen., wheat	6,738
Santa Barbara ²	4	5	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	3,103
San Simon	2	4	Amer.	Quaker Line	Philadelphia, Pa.	Tacoma, Wash.	General	4,447
Dresden ²	3	4	Ger.	North German Lloyd	Hamburg, Ger.	Valparaiso, Chile	General	4,422
West Camargo	4	4	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Vancouver, B. C.	General	5,451
Col. Riche ⁵	2		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Wright ¹³	4	5	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	Ballast	
Mariston	4	5	Brit.	Chile Nit. Sales Corp.	Norfolk, Va.	Tocopilla, Chile	Ballast	
Fanning ⁹	5		Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	Ballast	
Leeds City	4	5	Brit.	Mitsubishi Line	Pt. Tampa, Fla.	Japan	Phosphate	7,800
California Standard ^{1 2}	4	5	Pan.	Foreign Tankship Co.	Hull, England	Los Angeles, Cal.	Ballast	
Steelmaker	4	5	Amer.	Isthmian S. S. Lines	Mobile, Ala.	Seattle, Wash.	Steel, paper	7,335
Ferngen ²	4	5	Nor.	Fern Line	Gulfport, Miss.	Kobe, Japan	(¹⁴)	8,066
Bennekom	2	5	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	2,164
Goslar	4	5	Ger.	North German Lloyd	New Orleans, La.	Brisbane, Aust.	Gen., asphalt	7,722
Gertrude Maersk ²	5	5	Dan.	Isbrandtsen Moller	Boston, Mass.	Manila, P. I.	General	6,654
Lodestone	5	5	Brit.	Seaboard Ship. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Deroche ¹	5	5	Amer.	Union Oil of Calif.	Paulsboro, N. J.	Los Angeles, Cal.	Ballast	
Panama	3		Amer.	Panama R.R.S.S. Line	New York, N. Y.	Balboa, C. Z.	Ballast	
Elisabeth Bakke ²	5	6	Nor.	Knut Knutsen, O.A.S.	Goth'burg, Swed.	Vancouver, B. C.	Ballast	
Clio ²	4	6	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	56
Julia Luckenbach	6	6	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	Gen., autos.	4,345
Kaimoku	6	6	Amer.	Matson Nav. Co.	Baltimore, Md.	Honolulu, T. H.	General	3,533
Newton Beech	5	6	Brit.	Seaboard Ship. Co.	Cardiff, Wales	Brit. Columbia	Ballast	
Marymar	6	6	Amer.	Caltmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	6,441
Nero ²	30	6	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	50
Disa	6	6	Swed.	Rederi Disa	Minatitlan, Mex.	S. Juan Sur, Nic.	Pet. prod.	1,700
Bogota ²	4	6	Ger.	North German Lloyd	Manauera, Colom.	Guayaquil, Ecu.	Gen., salt	1,162
Trois Ilets	5	6	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	107
City of Norfolk	7	7	Amer.	Panama-Pacific Line	New York, N. Y.	S. Francisco, Cal.	Gen., mach.	3,410
Eidsvold ²	7	7	Nor.	Kawasaki K. Kaisha	Tampa, Fla.	Yokohama, Japan	Phosphate	7,691
Cabimas ¹	7		Colom.	Colombian Gov't	Cartagena, Col.	Balboa, C. Z.	Drydocking	
Sagittaire ²	6	7	Fr.	Messageries Marit' es	Dunkerque, Fr.	Noumea, N. Cal.	General	2,391
Derymore ²	6	7	Brit.	Hamburg-Amer. Line	New Orleans, La.	Osaka, Japan	General	9,104
Axel Johnson ²	6	8	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B. C.	Gen., cement	3,205

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁵ Launch. ⁶ Yacht. ⁹ Destroyer. ¹⁰ Mine sweeper. ¹² Cruiser. ¹³ Aircraft tender. ¹⁴ Scrap iron, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Friedrich Brem ¹	2	6	7	Ger	Varied Tank Rhed'i	Stockholm, Swed.	Talara, Peru	Ballast
Floridan	7	10	7	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General.
Tai Yin ²	7	7	7	Nor	Barber Line	Baltimore, Md.	Osaka, Japan.	(14) 3,940
Colombia ²	6	7	7	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.
Henry S. Grove	7	7	7	Amer.	Isthmian S. S. Lines.	Portland, Me.	Seattle, Wash.	(15) 725
Utahan	7	8	8	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	Gen., steel.
Intrepid ⁶	7	7	7	Amer.	W. P. Murphy	N. London, Conn.	Victoria, B. C.	Ballast.
Kyusyu Maru ²	7	7	7	Jap	Osaka Syosen Kaisya	Boston, Mass.	Kobe, Japan.	(16) 6,836
Germa	8	8	8	Nor	Mitsui Line	Philadelphia, Pa.	Dairen, China	Steel plate
Noparo	8	8	8	Pan	N. B. Woolworth	New York, N. Y.	Vancouver, B. C.	Ballast.
Porto Bello ³	8	8	8	Pan	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General.
Ionia	8	8	8	Ger	Hamburg-Amer. Line.	Bremen, Ger.	S. Jose de Guat.	General.
John Cabot	2	9	9	Brit.	Grace Line	Cristobal, C. Z.	Champ'co, Guat.	General.
Gertrude Kellogg ¹	9	9	9	Amer.	Kellogg S. S. Co.	New York, N. Y.	Los Angeles, Cal.	Ballast.
Mussolini ²	8	9	9	Pan	D. Campodonico	Cristobal, C. Z.	Balboa, C. Z.	Ballast.
Krossfonn ^{1 2}	9	9	9	Nor	Pechelbronn	Pt. de Bouc, Fr.	Cabo Bl'co, Peru	Ballast.
Tennessee ¹³	9	11	11	Amer.	U. S. Navy	New York, N. Y.	Los Angeles, Cal.	Ballast.
Amerikaland ²	9	10	10	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.
Ganges	9	9	9	Brit.	Canadian Transp. Co.	Nassau, B. W. I.	Vancouver, B. C.	Ballast.
Osorno	8	9	9	Ger	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile.	General.
Sambu ²	8	8	8	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.
Tuira ²	8	8	8	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.
Real ²	8	8	8	Pan	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.
Santa Maria ¹	8	10	10	Amer.	Union Oil of Calif.	Cristobal, C. Z.	S. Francisco, Cal.	Ballast.
Bintange ²	9	10	10	Neth.	Nederland Line	Amsterdam, Neth.	Los Angeles, Cal.	Ballast.
Scottish Star	9	10	10	Brit.	Blue Star Line	Tyne, England.	Vancouver, B. C.	Ballast.
Anneliese Ess-berger ²	10	10	10	Ger	General S. S. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast.
Asuka Maru ²	10	10	10	Jap	Nippon Yusen Kaisha	La Guayra, Ven.	Yokohama, Japan	(17) 9,313
Turakina	10	11	11	Brit.	N. Z. Shipping Co.	Liverpool, Eng.	Bluff, N. Z.	General.
Langlecrag	10	10	10	Brit.	Anglo-Can. S. S. Co.	Barry, England.	Portland, Oreg.	Ballast.
President Herrenschmidt ^{1 2}	10	10	10	Nor	Pechelbronn	Donges, France.	La Libertad, Ecu.	Ballast.
Keiyo Maru ²	10	10	10	Jap	Nippon Yusen Kaisha	New Orleans, La.	Yokohama, Japan	(18) 7,894
Orbita	9	10	10	Brit.	Shipper Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile.	General.
Arkansas	10	11	11	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.
Col. Riche ⁵	4	4	4	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge.

PACIFIC TO ATLANTIC

Frangoula B. Goul-landris.	10	11	Greek.	Anglo-Can. S. S. Co.	Vancouver, B. C.	.....	Grain, lum.	8,700
Barrwhin	10	11	Brit.	Canadian Transp. Co.	Britannia, Loy. Is.	.....	(19)	8,254
Amigian Maru ²	11	11	Jap.	Mitsui Bussan Kaisha	Manila, P. I.	New York, N. Y.	Sugar, gen.	7,753
Illinoian	11	11	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	7,704
Kano Maru ²	11	11	Jap.	Kokusai Kisen Kaisha	Penang, Mal. Pen.	New York, N. Y.	(20)	7,113
Nuevo Panama ¹	11	13	Pan	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	54
Pacific President ²	11	11	Brit.	Furness, Withy & Co.	Vancouver, B. C.	London, England	General.	7,964
City of San Francisco	11	12	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General.	5,014
Skeldergate	10	12	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Philadelphia, Pa.	(21)	5,752
Killerig	31	12	Pan.	Merritt, Chapman, Lin.	Bona Island	Kingston, B. W. I.	Ballast	.....
Maristion	11	12	Brit.	Chile Nit. Sales Corp.	Antofagasta, Chile	Savannah, Ga.	Nitrate	7,450
Real ²	11	13	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	21
Trecarrell	11	12	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	London, England	Wheat, lum.	8,200
Lebore	12	12	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Alamar	11	12	Amer.	Calmor S. S. Corp.	Seattle, Wash.	Baltimore, Md.	(22)	7,130
Santa Lucia	12	13	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General.	4,750
Sessa	11	12	Dan.	Wessel, Duval & Co.	Talcahuano, Chile	New York, N. Y.	General.	2,663
King Fredrick	11	12	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	Liverpool, Eng.	Grain, lum.	7,950
Nevadan	12	12	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General.	6,645
Steel Maker	12	12	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Mobile, Ala.	Ballast	.....
Alaska	12	14	Fr.	French Line	Valparaiso, Chile.	Antwerp, Belgium	General.	8,445
Ellin	12	13	Greek.	Seaboard Ship. Co.	Vancouver, B. C.	Manchester, Eng.	Grain, metals	8,500
Hazelside	12	13	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	Rimouski, Quebec	(23)	5,595
Quito ²	13	15	Ger.	North German Lloyd.	Guayaquil, Ecu.	Cristobal, C. Z.	(24)	791
Gracia	13	13	Brit.	Donaldson Line.	N. Westm'r B. C.	London, England	(25)	6,396
Trondanger ²	13	13	Nor	Interocean S. S. Corp.	Vancouver, B. C.	Rotterdam, Neth.	(25)	8,241
Nero ²	13	15	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee	212
Mataroa	13	14	Brit.	Shaw, Savill & Albion	Auckland, N. Z.	London, England	(26)	4,756
San Antonio	13	14	Fr.	French Line	Vancouver, B. C.	Havre, France.	General.	6,871
Liberty Glo	13	13	Amer.	Amer.-For. S. S. Corp.	Everett, Wash.	New York, N. Y.	Lumber	8,000
Hellen	13	14	Nor	Chile Nit. Sales Corp.	Iquique, Chile.	Wilmington, N. C.	Nitrate	7,700
Boskoop	13	14	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General.	6,814

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Launch. ⁵ Yacht. ⁶ Battleship. ¹⁴ Scrap iron, general.
¹⁵ Steel, automobiles, general. ¹⁶ Steel bars, scrap. ¹⁷ Gasoline, iron, potash, general. ¹⁸ Gasoline, phosphate, general.
¹⁹ Pyretis, oats, flour. ²⁰ Rubber, tin, general. ²¹ Lumber, fish meal. ²² Lumber, wood pulp. ²³ Coffee, tagua, wood. ²⁴ Grain, fruit, general. ²⁵ Grain, lumber, general. ²⁶ Dairy products, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Pakeha.	13	14	Brit.	Shaw, Savill & Albion	Wanganui, N. Z.	Glasgow, Scotland	Frozen, gen.	7,416
Vagabondia ^{2 6}	12	14	Amer.	W. L. Mellon.	Callao, Peru.	Miami, Fla.	Ballast.	
Istmo.	14	15	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee.	422
Ino ²	14	15	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(14)	455
Martin Bakke ²	14	14	Nor.	Knutsen Line.	Vancouver, B. C.	Belfast, Ireland.	General.	7,879
Hadleigh.	14	14	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Cardiff, Wales.	Wheat, lum.	9,430
Langanger ^{1 2}	14	14	Nor.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N.W.I.	Gas oil.	14,269
Trois Ilets.	14	16	Fr.	French Line.	Esmeraldas, Ecu.	Cristobal, C. Z.	(15)	274
Gypsum Queen.	14	14	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Tampa, Fla.	Nitrate.	6,400
Dalblair.	14	15	Brit.	Clover Bros., London.	Ocean Island.	Stockholm, Swed.	Phosphate.	7,700
Donau.	14	15	Ger.	North German Lloyd.	Vancouver, B. C.	Hamburg, Ger.	General.	9,779
Orazio ²	14	16	Ital.	Italian Line.	Valparaiso, Chile.	Genoa, Italy.	General.	2,644
Grayburn.	14	15	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Savannah, Ga.	Nitrate.	11,900
San Angelo.	14	15	Amer.	Quaker Line.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	7,617
Paul Luckenbach.	14	15	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	General.	6,746
Goodleigh.	15	15	Brit.	Seaboard Lumber Co.	Pt. Alberni, B. C.	Hull, England.	Wheat, lum.	9,660
Nordnes ²	15	15	Nor.	Brit. Phosphate Com.	Nauru Island.	Garston, England	Phosphate.	7,950
Content ^{2 6}	15	15	Amer.	E. J. Krause.	Los Angeles, Cal.	Miami, Fla.	Ballast.	
Jacob Luckenbach	15	15	Amer.	Luckenbach Line.	Portland, Oreg.	Tampa, Fla.	Lumber, gen.	6,084
Telde.	15	16	Hond.	United Fruit Co.	Acajutla, Salv.	New Orleans, La.	(16)	529
Memphis City.	15	16	Amer.	Isthmian S. S. Lines.	Portland, Oreg.	Avonmouth, Eng.	Grain, gen.	7,950
Porto Bello ²	15	15	Pan.	A. Tagaropoulos.	Darien, R. P.	Colon, R. P.	(17)	12
Everleigh.	16	16	Brit.	Atl. Ship. & Trad. Co.	Vancouver, B. C.	Liverpool, Eng.	Grain, lum.	9,300
Trontolite ^{1 2}	16	16	Brit.	Imperial Oil Ship. Co.	Talara, Peru.	Montreal, Canada	(18)	7,500
Marore.	16	16	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore.	22,500
City of Glasgow.	16	17	Brit.	M. A. N. Z. Line.	Lyttelton, N. Z.	Montreal, Canada	General.	4,073
Royal Crown.	16	17	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores, ¹³	Nitrate.	8,025
Hulda Maersk ²	16	17	Dan.	Maersk Line.	Iloilo, P. I.	New York, N. Y.	General.	5,542
Terukawa Maru ²	16	17	Jap.	Kawasaki K. Kaisha.	Tsingtao, China.	Houston, Tex.	General.	2,479
R. J. Hanna ¹	16	17	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Baltimore, Md.	(19)	9,913
Missourian ²	16	17	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General.	7,570
Huzikawa Maru ²	17	17	Jap.	Mitsui Bussan Kaisha	Manila, P. I.	New York, N. Y.	(20)	8,381
Mussolini ²	18	18	Pan.	Enrique Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas.	80
Cassel.	17	17	Ger.	Hamburg-Amer. Line.	Noumea, N. Caled.	Hamburg, Ger.	(21)	6,335
Emergency Aid.	17	18	Amer.	McCormick S. S. Co.	Townsend, Wash.	Philadelphia, Pa.	Lumber, gen.	6,838
Deroche ¹	16	18	Amer.	Union Oil of Calif.	Los Angeles, Cal.	Paulsboro, N. J.	Pet. solvent.	6,627
Tropic Star.	17	18	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Charleston, S. C.	Nitrate.	8,350
Kent.	17	18	Brit.	Fed. Steam Nav. Co.	Wellington, N. Z.	Hamburg, Ger.	Frozen, gen.	5,981
Oakmar.	18	18	Amer.	Calmar S. S. Corp.	Portland, Oreg.	Baltimore, Md.	(22)	5,878
Cellina ²	18	19	Ital.	Italian Line.	Vancouver, B. C.	Trieste, Italy.	Wheat, gen.	4,126
Noto Maru ²	18	19	Jap.	Nippon Yusen Kaisha	Kobe, Japan.	Baltimore, Md.	Sugar, gen.	6,178
City of Norfolk.	18	19	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.		3,195
Vancouver City.	18	19	Brit.	Readon-Smith Line.	Manila, P. I.	Hatteras, ¹³	Sugar.	5,500
Norman Monarch	18	19	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	New York, N. Y.	Timber.	8,500
Sambu ²	18	19	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	54
Tuira ²	18	18	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	45
Real ¹	18	19	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	29
Pennsylvania Sun. ^{1 2}	19	19	Amer.	Sun Oil Co.	El Segundo, Cal.	Marcus Hook, Pa.	Gasoline.	17,515
Lochgill ²	18	20	Brit.	No. Pac. Coast Line.	Vancouver, B. C.	Rotterdam, Neth.	Frozen, gen.	9,960
Percira.	19	24	Pan.	Grace Line.	Champ'co, Guat.	Cristobal, C. Z.	General.	594
Santa Barbara ²	19	19	Amer.	Grace Line.	Valparaiso, Chile.	New York, N. Y.	Copper, gen.	4,272
Lancaster.	19	19	Amer.	Weyerhaeuser S.S. Co.	Seattle, Wash.	Norfolk, Va.	Lumber, gen.	7,776
Arizonan.	19	19	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	6,592
San Mateo.	19	21	Fr.	French Line.	Vancouver, B. C.	Havre, France.	Lumber, gen.	6,739
Naruto Maru ²	19	20	Jap.	Nippon Yusen Kaisha	Keelung, China.	New York, N. Y.	General.	7,609
Columbian.	19	20	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	5,033
Washington Ex- press. ²	20	20	Nor.	Fruit Express Line.	Seattle, Wash.	Havre, France.	Fresh fruit.	1,566
Bogota ²	20	22	Ger.	North German Lloyd.	Guayaquil, Ecu.	Cristobal, C. Z.	General.	632
Stelcore.	20	20	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore.	21,800
Elizabeth Kellogg ¹	20	20	Amer.	Kellogg S. S. Corp.	Manila, P. I.	New York, N. Y.	Coconut oil.	6,685
Chile ²	20	20	Swed.	Johnson Line.	Valparaiso, Chile.	Stockholm, Swed.	General.	5,882
Röss ²	20	20	Brit.	Anglo-Can. S. S. Co.	Victoria, B. C.	London, England	(23)	8,600
New Westminster City.	20	21	Brit.	East Asiatic Co.	Rashin, Korea.	Bergen, Norway.	Soy beans.	8,300
Gannet ⁴	20		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
San Clemente.	20	21	Amer.	Calif. & Eastern Line.	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,065
Ino ²	20	22	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	(24)	433
Clio ²	20	22	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(25)	498
Porto Bello ²	20	20	Pan.	A. Tagaropoulos.	Darien, R. P.	Colon, R. P.	(26)	10
Atlantic.	20	21	Amer.	Isthmian S. S. Lines.	Kahului, T. H.	Baltimore, Md.	(27)	7,037
Dundee ¹²	17	21	Brit.	British Government.	Corinto, Nic.	Kingston, Jam.	Ballast.	
Erria ²	21	21	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den.	General.	6,988
El Oso ¹	21	21	Brit.	C. T. Bowring & Co.	Cabo Bl'co, Peru.	Ellesmere, Eng.	Bulk oil.	10,254
Misoo ¹	14	21	Brit.	West India Oil Co.	Balboa, C. Z.	Cristobal, C. Z.	Ballast.	

¹ Tanker. ² Motor ship. ⁴ Tug. ⁶ Yacht. ¹² Cruiser. ¹³ For orders. ¹⁴ Coffee, cocoa, wood. ¹⁵ Coffee, tagua, silk. ¹⁶ Coffee, bananas, general. ¹⁷ Plantains, pears, watermelons. ¹⁸ Casinghead gasoline. ¹⁹ Cutback asphalt. ²⁰ Sugar, silk, tea, general. ²¹ Ore, wool, tallow. ²² Lumber, copper, pulp. ²³ Grain, lumber, general. ²⁴ Coffee, hides, general. ²⁵ Cacao, tagua, balsa, general. ²⁶ Lumber, fruit, plantains. ²⁷ Sugar, canned goods.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Istmo	21	23	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	682
Oremar	21	22	Amer.	Calmar S. S. Corp.	S. Francisco, Cal.	Baltimore, Md.	Fuel oil. ⁽¹⁴⁾	7,190
Cambridge	21	22	Brit.	Fed. Steam Nav. Co.	Lyttelton, N. Z.	London, England	Frozen, gen.	7,870
Susan V. Luckenbach	21	22	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	(15)	6,471
Lafco	22	22	Amer.	Luckenbach-Gulf Co.	S. Francisco, Cal.	New York, N. Y.	General	3,474
Swiftscout ¹	22	23	Amer.	Shell Union Oil Co.	Los Angeles, Cal.	Bayonne, N. J.	Fuel oil.	11,245
Amerikaland ²	22	23	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,300
Doric Star	23	23	Brit.	Blue Star Line	N. Plym'th, N. Z.	London, England	Frozen, geo.	7,126
Californian ²	23	23	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	General	5,400
Marconi ²	23	25	Pan.	Enrique Obarrío	Darien, R. P.	Cristobal, C. Z.	Bananas	113
Aleksandar I	23	23	J-Slav	Chile Nit. Sales Corp.	Iquique, Chile	Azores. ¹³	Nitrate	9,100
Rio Indio ²	23	23	Pan.	United Fruit Co.	Puntarenas, C. R.	Bocas del Toro.	Ballast	
Point Judith	22	24	Amer.	Swayne & Hoyt	Los Angeles, Cal.	New Orleans, La.	General	6,802
Arima Maru ²	23	24	Jap.	Nippon Yusen Kaisha	Yokohama, Japan	Hamburg, Ger.	General	5,601
Sanyo Maru ²	23	24	Jap.	Osaka Syosen Kaisha	Tsingtao, China.	Antwerp, Belgium	General	5,915
Oregon ²	23	24	Fr.	French Line	Valparaiso, Chile	Havre, France	(16)	9,206
Hollywood	23	24	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	6,775
Asakasan Maru ²	23	24	Jap.	Mitsui & Co.	San Jose, P. I.	New York, N. Y.	General	6,375
Winkleigh	23	24	Brit.	W. J. Tatam & Co.	Pt. Alberni, B. C.	London, England	Lum., grain	8,880
Kiyokawa Maru ²	24	24	Jap.	Kawasaki K. Kaisha	Shanghai, China	New York, N. Y.	(17)	7,353
Rossington Court	24	24	Brit.	Anglo-Can. S. S. Co.	Victoria, B. C.	Hull, England	Barley, lum.	10,000
Nurnburg ²	24	25	Ger.	North German Lloyd	Valparaiso, Chile	Hamburg, Ger.	General	5,909
Santa Inez ²	24	24	Amer.	Grace Line	Chanaral, Chile	New York, N. Y.	(18)	2,954
Caithness ²	24	24	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Dunkergue, Fr.	Lumber, gen.	9,058
Tai Ping ²	24	24	Nor.	Barber-Wilhelmsen	Davao, P. I.	New York, N. Y.	Oil, general	6,101
Steel Inventor	24	24	Amer.	Isthmian S. S. Lines	Seattle, Wash.	New Orleans, La.	General	578
Jeff Davis ²	24	25	Amer.	Roosevelt S. S. Co.	Hilo, P. I.	New York, N. Y.	(19)	4,900
Ewa	24	25	Amer.	Matson Nav. Co.	Pt. Allen, T. H.	Baltimore, Md.	(20)	9,094
Biddlestone	24	25	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile	Charleston, S. C.	Nitrate	7,860
Trois Ilets	24	25	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	236
Fresno Star	24	25	Brit.	Blue Star Line	N. Westm'er, B.C.	Newcastle, Eng.	Frozen, gen.	7,252
Murjek ²	24	25	Swed.	Chile Nit. Sales Corp.	Tocopilla, Chile	Gulfport, Miss.	Nitrate	7,325
Pacific Exporter ²	25	25	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General	8,357
Nuevo Panama ²	25	25	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	78
City of Baltimore	25	26	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General	4,319
Arawa	25	26	Brit.	Shaw, Savill & Albion	Wellington, N. Z.	S'ampton, Eng.	Frozen, gen.	4,578
Point Brava	25	26	Amer.	Swayne & Hoyt	Portland, Oreg.	Tampa, Fla.	General	5,892
China	25	26	Amer.	Isthmian S. S. Lines	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	5,784
Acajutla	25	5-2	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	Wood, coffee	840
Sambu ²	25	26	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	41
J. Fred Talbot ⁹	26		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Tattnall ⁹	26		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Charleston ¹²	26		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Munsterland ²	25	26	Ger.	Hamburg-Amer. Line	Nagoya, Japan	New Orleans, La.	(21)	6,539
Maria Stathatos	25	26	Greek	Anglo-Can. S. S. Co.	Brit. Columbia	Liverpool, Eng.	(22)	8,512
George M. Embiricos	25	26	Greek	Seaboard Ship. Co.	Pt. Alberni, B. C.	Garston, England	Wheat, lum.	9,340
Kentuckian	26	26	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	4,194
Oropesa	26	27	Brit.	Pacific Steam Nav. Co.	San Antonio, Chile	Liverpool, Eng.	(23)	6,315
Uffington Court	26	26	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	Barry, England	Wheat, lum.	8,450
Sangstad ²	26	27	Nor.	Fern Line	Hilo, P. I.	Baltimore, Md.	(24)	7,500
Gen. W. M. Graham, ¹¹	26	30	Amer.	U. S. Army	Balboa, C. Z.	Cristobal, C. Z.		
Seattle ²	28	5-1	Ger.	Hamburg-Amer. Line	Vancouver, B. C.	Hamburg, Ger.	Logs, gen.	6,965
Salacia ²	26	29	Brit.	Donaldson Line	Vancouver, B. C.	Glasgow, Scotland	General	6,740
West Nilus	26	29	Amer.	McCormick S. S. Co.	Tacoma, Wash.	Buenos Aires, Arg.	General	5,666
H. D. Collier ¹	27	29	Amer.	Standard Oil of Calif.	El Segundo, Calif.	Havre, France	Av. gasoline	11,462
Silverwillow ²	27	30	Brit.	Kerr S. S. Co.	Vancouver, B. C.	South Africa	Lum., asph't	7,068
Villager ²	26	29	Nor.	Intercean S. S. Corp.	Seattle, Wash.	Rotterdam, Neth.	General	7,197
Hermionthis ²	27	30	Ger.	Hamburg-Amer. Line	Valparaiso, Chile	Hamburg, Ger.	General	5,854
Dalveen	27	29	Brit.	British Phosphate	Nauru, So. Pacific	Kotka, Finland	Phosphate	7,788
Nero ²	27		Neth.	Royal Neth. S. S. Co.	Guayaquil, Eena	Cristobal, C. Z.	Coffee, gen.	478
Cerigo	27	2	Ger.	Hamburg-Amer. Line	Guayaquil, Eena	Cristobal, C. Z.	Coffee, gen.	827
Swiftarrow ¹	27	30	Amer.	Shell Oil Co.	Los Angeles, Cal.	Boston, Mass.	Fuel oil.	11,080
San Gil	27	30	Pan.	United Fruit Co.	Champ'ico, Guat.	New Orleans, La.	(25)	261
Nourmahal ²	28	30	Amer.	Vinecent Astor	Honolulu, T. H.	St. George, Ber.	Ballast	
Porto Bello ²	29	29	Pan.	A. Tagarapulos	Darien, R. P.	Colon, R. P.	Fruit, lum.	9
Copio ²	29	30	Chile	Cia. Sud Amer. de Vap.	Talcahuano, Chile	Hamburg, Ger.	General	3,795
Firmore	28	30	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,850
Lena Luckenbach	28	30	Amer.	Luckenbach-Gulf Co.	Portland, Oreg.	Tampa, Fla.	General	4,393
Colombia ²	28	1	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	814
Canadian Reefer ²	29	30	Dan.	J. Lauritzen	Seattle, Wash.	Haifa, Palestine	Fruit, gen.	1,696
Horace Luckenbach	29	30	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	9,514
El Mirlo ¹	28	30	Brit.	C. T. Bowring & Co.	Cabo Bl'co, Peru.	Donges, France.	Crude oil	11,511

¹ Tanker. ² Motor ship. ³ Yacht. ⁴ Destroyer. ⁵ Mine planter. ⁶ Cruiser. ⁷ For orders. ⁸ Lumber, copper, pulp. ⁹ Lumber, pulp, general. ¹⁰ Nitrate, copper, general. ¹¹ Sugar, silk, oil, general. ¹² Copper, fruit, coffee. ¹³ Sugar, ore, hemp, general. ¹⁴ Canned pineapples, sugar. ¹⁵ Copra, sugar, oil, general. ¹⁶ Lumber, barley, wheat. ¹⁷ Coffee, wool, general. ¹⁸ Sugar, chromite ore. ¹⁹ Coffee, wood, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Hanley	29	30	Amer.	Weyerhaeuser S.S. Co.	Longview, Wash.	Baltimore, Md.	Lumber, gen.	9,772
Takaoka Maru	29	30	Jap.	Nippon Yusen Kaisha	Los Angeles, Cal.	New Orleans, La.	Sugar, gen.	7,138
Wind Rush	29	30	Amer.	Shepard S. S. Co.	Portland, Oreg.	Albany, N. Y.	Lumber, gen.	7,994
Kaimata	29	30	Brit.	M.-A.-N. Z. Line	Melbourne, Aust.	Montreal, Can.	General.	2,039
Mahimahi	29	30	Amer.	Matson Nav. Co.	Hilo, T. H.	Baltimore, Md.	Crude oil	8,568
El Cervo ¹	29	30	Brit.	C. T. Bowring & Co.	Cabo Blanco, Peru.	Cobh, Ireland.	Crude oil	7,298
Abraham Lincoln ²	29	1	Nor.	Fred Olsen & Co.	N. Westm., B. C.	Oslo, Norway.	Wheat, gen.	8,361
Zrinski	29	30	J.-Slav.	Chile Nit. Sales Corp.	Iquique, Chile	Azores ¹⁴	Nitrate	8,220
Marconi ²	30	2	Pan.	Enrique Obarrío	Darien, R. P.	Cristobal, C. Z.	Bananas.	103
Texas Sun ^{1 2}	29	30	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	14,949
Iowan	30	30	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General.	6,538
Wyoming	30	1	Fr.	French Line	Seattle, Wash.	Rotterdam, Neth.	(16)	7,435
Chilore	1	1	Amer.	Ore S. S. Corp.	Cruz Gr de, Chile	Baltimore, Md.	Iron ore	22,000
Helder	30	2	Neth.	Royal Neth S. S. Co.	Corral, Chile	Hamburg, Ger.	General.	5,809
Valparaiso ²	30	1	Swed.	Johnson Line	Vancouver, B. C.	Goth'burg, Swed.	(17)	6,150
Ida Bakke ²	1	1	Nor.	Knutsen Line	Vancouver, B. C.	Glasgow, Scot.	General.	7,570
Peter Kerr	30	1	Amer.	States S. S. Co.	Portland, Oreg.	Philadelphia, Pa.	(18)	10,303
Emma Bakke ²	1	1	Nor.	Knutsen Line	Valparaiso, Chile.	London, England	General.	6,937
Calmar	30	1	Amer.	Calmar S. S. Corp.	S. Francisco, Cal.	Baltimore, Md.	Copper, lum.	6,548
Rangitata ²	1	1	Brit.	N. Z. Shipping Co.	Wellington, N. Z.	London, England	Frozen, gen.	5,966
Tomislav	1	1	J.-Slav.	Chile Nit. Sales Corp.	Iquique, Chile	Azores ¹⁴	Nitrate	8,160
Islerloh.	1	3	Ger.	Hamburg-Amer. Line.	Corinto, Nic.	Hamburg, Ger.	General.	2,084
Marna	1	2	Dan.	J. Lauritzen	San Antonio, Chile	New York, N. Y.	General.	2,650
Thorstrand ²	1	2	Nor.	Fred Olsen Line	Los Angeles, Cal.	London, England	Cit. fruit.	1,750
Nuevo Panama ²	1	3	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	80
Willmoto ²	1	2	Amer.	Arrow Line	Longview, Wash.	Baltimore, Md.	Lumber.	6,450
Tacoma City	2	2	Brit.	Sir W. R. Smith & Sons	Manila, P. I.	U. S. Atl. ports.	Raw sugar	8,149
John Cabot	2	9	Brit.	Grace Line	Champ'ico, Guat.	Cristobal, C. Z.	General.	970
Berganger ²	2	2	Nor.	Interocean Line	Seattle, Wash.	Rotterdam, Neth.	(19)	8,465
Ville De Strasbourg.	2	3	Fr.	Messageries Marit'es.	Noumea, N. Cale.	Marseille, France	General.	4,855
City of Newport News.	2	3	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General.	4,477
Delftdijk ²	2	3	Neth.	N. Pac. Coast Line.	Victoria, B. C.	Rotterdam, Neth.	(20)	10,119
Sambu ²	2	3	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas.	55
Willett ⁴	2	6	Amer.	Mer't-Chapman-Scott	Callao, Peru.	Guanta, Venez.	Tow. dredge.	
Peru ¹³	2	6	Amer.	W. H. Gahagan, Inc.	Callao, Peru.	Guanta, Venez.		
Mostun ²	2	3	Nor.	Neptune Ship. Co.	Los Angeles, Cal.	Liverpool, Eng.	Fruit	2,160
Pluviose ¹	2	3	Fr.	Raffinerie de Berre	Talara, Peru.	Pt. de Boue, Fr.	Crude oil	13,445
S-47 ⁷	3	3	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Bahrein ¹	3	3	Pan.	Standard Oil of Calif.	El Segundo, Cal.	Lands End ¹⁴	Gasoline.	8,704
Mobilgas ^{1 2}	3	3	Amer.	Socony-Vac. Oil Co.	Los Angeles, Cal.	Providence, R. I.	Gasoline.	15,009
Este	3	4	Ger.	North German Lloyd.	Vancouver, B. C.	Hamburg, Ger.	General.	9,290
Nicolaou Virginia.	3	3	Greek	General S. S. Corp.	Pt. Alberni, B. C.	London, England	General.	8,870
Marchen Maersk ²	3	4	Dan.	A. P. Moller	Manila, P. I.	Baltimore, Md.	General.	7,410
Nicolaou Zograf.	3	3	Greek	Seaboard Ship. Co.	Victoria, B. C.	London, England	Wheat, lum.	11,400
Santa Clara	3	4	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General.	5,091
Hoxbar ¹	3	3	Amer.	Shell Oil Co.	Los Angeles, Cal.	Baltimore, Md.	Fuel oil	10,128
Scottish Monarch	3	4	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Liverpool, Eng.	Wheat, lum.	8,668
Unicoi ²	3	4	Amer.	Roosevelt S. S. Co.	Adelaide, Aus'lia.	Montreal, Canada	General.	3,010
J. L. Luckenbach	4	4	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,455
Hidleford ^{1 2}	4	5	Nor.	Anglo-Saxon Pet. Co.	S. Francisco, Cal.	Curacao, N. W. I.	Gasoline.	10,925
Virginian	4	4	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	7,293
Opawa ²	4	4	Brit.	J. B. Westray & Co.	Wellington, N. Z.	London, England	Frozen, gen.	6,420
Clio ²	4	6	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides	559
Forbes Hauptman	4	4	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	7,736
La Brea ¹	4	5	Amer.	Union Oil of Calif.	S. Francisco, Cal.	New York, N. Y.	Fuel oil	9,519
Durazzo.	5	6	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecu.	Cristobal, C. Z.	(21)	972
Ino ²	5	5	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(22)	548
Karnt ²	5	5	Nor.	Chile Nit. Sales Corp.	Toconilla, Chile.	Savannah, Ga.	Nitrate	8,900
Trois Ilets.	5	6	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee.	226
St. Mihiel ⁵	5	6	Amer.	U. S. Army	S. Francisco, Cal.	New York, N. Y.	General.	1,233
Porto Bello ²	5	5	Pan.	A. Tagarapulos	Darien, R. P.	Colon, R. P.	(23)	8
Indra ²	5	6	Nor.	Knutsen Line	Valparaiso, Chile.	Dublin, Ireland.	Barley	7,100
Simpson ⁹	5	9	Amer.	U. S. Navy	San Diego, Calif.	Norfolk, Va.		
Borie ⁹	5	9	Amer.	U. S. Navy	San Diego, Calif.	Norfolk, Va.		
Broom ⁹	5	9	Amer.	U. S. Navy	San Diego, Calif.	Norfolk, Va.		
Colorado	2	6	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Baltimore, Md.	Lumber, gen.	7,521
Colombia ²	5	7	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	(24)	765
Texmar	5	6	Amer.	Calmar Line	Seattle, Wash.	New York, N. Y.	Lum., pulp.	7,273
Hokuroku Maru ²	6	7	Jap.	Osaka Shosen Kaisha	San Carlos, P. I.	Baltimore, Md.	(25)	6,847
W. R. Keever	6	6	Amer.	Dutton Lumber Corp.	Everett, Wash.	Providence, R. I.	Lumber.	7,000
Oilpioneer ^{1 2}	6	6	Brit.	Shell Oil Co.	Los Angeles, Cal.	Lands End, Eng.	Gas oil	8,365
Duba.	6	6	J.-Slav.	Chile Nit. Sales Corp.	Toconilla, Chile.	Azores ¹⁴	Nitrate	6,685
Pennsylvania.	6	6	Amer.	Amer.-Hawaiian Line.	Everett, Wash.	Boston, Mass.	General.	4,496
Chulmleigh	6	7	Brit.	Seaboard Ship. Co.	Vancouver, B. C.	Hull, England	Wheat, lum.	9,660

¹ Tanker. ² Motorship. ³ Tug. ⁷ Submarine. ⁸ Transport. ⁹ Destroyer. ¹³ Dredge. ¹⁴ For orders. ¹⁵ Sugar, canned pineapples. ¹⁶ Wheat, fruit, lumber. ¹⁷ Grain, coffee, general. ¹⁸ Copper, lumber, pulp, general. ¹⁹ Lumber, wheat, general. ²⁰ Wheat, fruit, general. ²¹ Coffee, tagua, general. ²² Coffee, nuts, general. ²³ Plantains, lumber. ²⁴ Coffee, empty bottles. ²⁵ Sugar, silk, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
W. S. Miller ¹ ...	6	7	Amer.	Standard Oil of Calif.	El Segundo, Calif.	Wilmington, N.C.	Gasoline...	8,621
S-44 ¹ ...	7	7	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Steel Mariner...	6	7	Amer.	Isthmian S. S. Lines.	Pt. Allen, T. H.	Baltimore, Md.	(13)	8,529
Elg ² ...	7	7	Nor.	Canadian-Gulf Line.	Powell Riv., B. C.	Houston, Tex.	(14)	4,912
Yearby...	7	7	Brit.	Ropner Ship. Co.	Vancouver, B. C.	S'ampton, Eng.	(15)	9,510
Saarland...	7	8	Ger.	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger.	General...	7,810
Idlesleigh...	7	7	Brit.	Seaboard Ship. Co.	N. Westminster, B.C.	Hull, England	Grain, lum.	9,170
Panama...	6	9	Amer.	Panama R.R.S.S. Co.	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Nathan ² ...	6	9	Pan.	E. J. Hooper	Tonosí, R. P.	Gatun Lake, C. Z.	Cows...	7
Jersbek...	7	9	Ger.	North German Lloyd.	Pto. Angel, Wash.	Hamburg, Ger.	(16)	1,160
Mussolini ² ...	8	9	Pan.	Enrique Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas...	99
Lancaster Castle...	8	9	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Montreal, Canada	Lumber...	7,232
Treverbyn...	8	8	Brit.	Hain S. S. Co.	Pt. Alberni, B. C.	Liverpool, Eng.	Wheat, lum.	7,487
Santa Maria ¹ ...	7	10	Amer.	Union Oil of Calif.	S. Francisco, Cal.	Cristobal, C. Z.	Mineral oil...	11,778
Osnabruck ² ...	8	9	Ger.	North German Lloyd.	Corral, Chile	Hamburg, Ger.	General...	6,196
Point Lobos...	6	8	Amer.	Swayne & Hoyt	Portland, Oreg.	Tampa, Fla.	Lumber, gen.	5,799
Sambu ² ...	8	9	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas...	59
Tuira ² ...	8	9	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas...	36
Real ² ...	8	9	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas...	39
W. H. Berg ¹ ...	8	9	Amer.	Standard Oil of Calif.	Los Angeles, Cal.	New York, N. Y.	Gasoline...	11,850
Ermland ² ...	8	9	Ger.	Hamburg-Alsterdamm	Manila, P. I.	New Orleans, La.	(17)	8,380
Scebeli ² ...	9	9	Nor.	Fred Olsen Line	Los Angeles, Cal.	London, England	Oranges...	1,715
Nordlys...	9	9	Dan.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Pensacola, Fla.	Nitrate...	6,570
Embossage...	9	9	Brit.	Hall Brothers	Dollarton, B. C.	London, England	Wheat, lum.	8,500
Tacoma...	9	10	Ger.	Hamburg-Amer. Line.	Vancouver, B. C.	Hamburg, Ger.	General...	7,530
Besholt ² ...	9	10	Nor.	De la Rama S. S. Co.	Hongkong, China	New York, N. Y.	(18)	8,295
Salvador...	9	9	Brit.	Pacific Steam Nav. Co.	Champico, Guat.	Cristobal, C. Z.	Coffee, gen.	1,081
San Felipe...	9	9	Amer.	Pacific Atlantic Co.	Portland, Oreg.	Albany, N. Y.	(19)	7,437
Ensley City...	9	10	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Baltimore, Md.	(20)	6,360
Chios...	9	10	Greek.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Hull, England	(21)	9,300
American...	9	10	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	Lumber, gen.	5,051
Pennmar...	9	10	Amer.	Calmar Line	Tacoma, Wash.	New York, N. Y.	(22)	6,725
Santa Maria ² ...	9	10	Amer.	Grace Line	Valparaiso, Chile.	New York, N. Y.	General...	4,075
Sea Thrush...	10	10	Amer.	Shepard S. S. Co.	Astoria, Oreg.	Albany, N. Y.	Lumber, gen.	7,204
Truxton ⁹ ...	10	10	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		

¹ Tanker. ² Motor ship. ⁷ Submarine. ⁹ Destroyer. ¹³ Raw sugar, pineapples. ¹⁴ Newsprint, shingles.
¹⁵ Wheat, barley, lumber. ¹⁶ Coffee, cotton, general. ¹⁷ Copra, sugar, general. ¹⁸ Sugar, coconut oil, general.
¹⁹ Lumber, pulp, general. ²⁰ Lumber, ore, general. ²¹ Lumber, wheat, barley. ²² Lumber, pulp, copper.

Comparison of Traffic at the Suez and Panama Canals for the 12 Months Ended March 31, 1938 and 1939

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1937-38	1938-39	Increase	Decrease	1937-38	1938-39	Increase	Decrease
April...	621	516	.....	16.9	473	487	3.0	.....
May...	567	479	.....	15.5	544	465	.....	14.5
June...	540	469	.....	13.1	472	445	.....	5.7
July...	551	509	.....	7.6	457	429	.....	6.1
August...	531	522	.....	1.7	505	468	.....	7.3
September...	522	508	.....	2.7	444	438	.....	0.9
October...	557	540	.....	3.1	461	494	7.2	.....
November...	526	495	.....	5.9	435	505	16.1	.....
December...	541	503	.....	7.0	439	509	15.9	.....
January...	544	472	.....	13.2	444	525	18.2	.....
February...	508	496	.....	2.4	436	501	14.9	.....
March...	578	536	.....	7.3	506	553	9.3	.....
Total.....	6,586	6,045	.....	8.2	5,616	5,819	3.6	.....

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, \$1.65 per barrel at Cristobal and Balboa.

Tolls Charges for Transit of the Panama Canal

(Effective March 1, 1938)

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
 - (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.

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.

Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices to individuals and companies, as of May 11, 1939:

Commodities	Unit	Price
Brass, bar, average.....	Lb.	\$0 23
Brass, sheet, average.....	Lb.	30
Bronze, Tobin, average.....	Lb.	22
Gasoline, motor grade.....	Gal.	10
Metal, yellow.....	Lb.	26
Oakum, Navy, spun.....	Lb.	18
Oakum, Navy, unspun.....	Lb.	18
Oil, gun and ice machine.....	Gal.	31
Oil, engine, gas, light, in drums, No. 2135.....	Gal.	28
Oil, engine, gas, extra heavy, in cases, No. 2250.....	Gal.	32
Oil, engine, gas, extra heavy, in drums, No. 2250.....	Gal.	30
Oil, kerosene, in drums.....	Gal.	10
Oil, marine, engine.....	Gal.	50
Paint, lead, white, dry.....	Lb.	11
Paint, lead, white, in oil.....	Lb.	12
Paint, zinc oxide, dry.....	Lb.	09
Paint, zinc oxide, in oil.....	Lb.	12
Grease, gear, chain and wire rope, lubricating.....	Lb.	05
Grease, yellow, cup, medium.....	Lb.	07
Grease, yellow, cup, hard.....	Lb.	07
Soda, ash.....	Lb.	03
Waste, cotton, colored.....	Lb.	11
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.

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.

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. 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.

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.

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:"	
Private and semiprivate rooms.....	Daily, 9:30-11 a. m.; 2-4:30 p. m.; 6:30-8 p. m.
Wards.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m.
	Sunday and holidays, 9:30-11 a. m.; 2:00-4 p. m.
Section "B:"	
Wards 5, 6, and 7.....	Daily, 9:30-11:00 a. m.; 2:00-4:30 p. m.; 6:30-8:00 p. m.
Ward 8 (maternity ward).....	Daily, 2:30-4:00 p. m.; 6:30-8:00 p. m.
	Visitors to this ward will be limited to the husband and to the immediate family, i. e., father or mother or, if no parents are at hand, to one woman friend who shall be designated by the patient. Visits to the maternity ward will be limited to ten minutes during the designated visiting periods.
Nursery.....	No visitors are permitted in the Nursery at any time.
Section "C:"	
Wards 9 (colored section), 11, 12, and 13.....	Wednesday, Friday, Sunday, and holidays, 1-2:30 p. m.
	Visitors from Atlantic side may remain until 3 p. m.
Wards 9 (white section), 10, and 14.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m.
	Sundays and holidays, 9:30-11 a. m.; 2:30-4:30 p. m.; 6:30-7:30 p. m.
	Visitors to venereal cases in wards 13 and 14 will be limited to two members of patient's immediate family.
Section "D:"	
Wards 15 and 16.....	Tuesday, Thursday, and Saturday, 2:30-4:30 p. m.; 6:30-7:30 p. m.
	Sundays and holidays, 9:30-11 a. m.; 2:30-4:30 p. m.; 6:30-7:30 p. m.
Wards 17, 19, and 20.....	Wednesday, Friday, Sunday, and holidays, 1-2:30 p. m.
Ward 18.....	Visitors from Atlantic side may remain until 3 p. m.
	Daily, 9:30-11 a. m.; 2-4:30 p. m.
Isolation section.....	No visitors permitted except to adults to visit tuberculosis patients Thursday, Sunday, and holidays, 1:30-3 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.

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Volume XXXII

Balboa Heights, C. Z., June 15, 1939

No. 11

Traffic Through the Panama Canal in May 1939

The total vessels of all kinds transiting the Panama Canal during the month of May 1939, and for the same month in the two preceding years, are shown in the following tabulation:

	May 1939			May	
	Atlantic to Pacific	Pacific to Atlantic	Total	1938	1937
Ocean-going commercial traffic.....	262	244	506	465	544
Small commercial vessels ¹	46	32	78	81	70
Noncommercial vessels:					
United States Government.....	29	14	43	42	44
Colombian Government.....	1		1		
For repairs.....	2	1	3	7	2
Total.....	340	291	631	595	664

¹ Vessels under 300 net tons, Panama Canal measurement.

OCEAN-GOING COMMERCIAL TRAFFIC ²

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 twelve month period ended May 31, 1939, as compared with the corresponding period ended May 31, 1938:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1938-9	1937-8	1938-9 ³	1937-8 ⁴	1938-9	1937-8	1938-9	1937-8
June.....	445	472	2,064,793	2,266,000	2,122,389	2,670,466	\$1,801,291.78	\$2,070,337.89
July.....	429	457	1,933,816	2,216,000	2,025,660	2,476,366	1,694,205.00	2,029,642.45
August.....	468	505	2,177,699	2,402,000	2,171,674	2,780,603	1,890,050.74	2,195,308.87
September.....	438	444	2,005,241	2,139,000	1,998,464	2,385,142	1,741,895.46	1,935,673.78
October.....	494	461	2,276,194	2,182,000	2,359,673	2,438,788	1,977,706.76	1,981,087.87
November.....	505	435	2,302,333	2,110,000	2,223,830	2,185,283	1,984,014.72	1,893,462.00
December.....	509	439	2,336,011	2,070,000	2,374,395	2,046,170	2,031,017.04	1,845,048.20
January.....	525	444	2,380,916	2,053,000	2,393,360	2,095,402	2,062,454.16	1,837,894.72
February.....	501	436	2,282,318	1,993,000	2,206,963	1,998,827	1,996,735.66	1,786,611.45
March.....	553	506	2,586,580	³ 2,311,526	2,664,068	2,268,548	2,252,156.28	2,015,585.34
April.....	496	487	2,278,326	³ 2,258,836	2,472,504	2,279,235	1,999,851.16	1,961,456.58
May.....	506	465	2,341,894	³ 2,150,228	2,538,949	2,309,171	2,053,502.16	1,886,825.66
Total.....	5,869	5,551	26,966,121	26,151,590	27,551,929	27,934,001	23,484,880.92	23,438,934.81

² Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons and over, Panama Canal measurement.

³ Panama Canal net tonnage as figured under rules which became effective March 1, 1938.

⁴ Estimated tonnage under rules which became effective March 1, 1938.

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 1939. 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.....	⁵ 46	2,308	\$1,915.20	975
Pacific to Atlantic.....	32	1,949	1,750.32	1,746
Total.....	78	4,257	3,665.52	2,721

⁵ Includes 1 naval vessel of 180 tons displacement.

Traffic by Nationality of Vessels⁶ for May 1939

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
British	⁷ 117	615,311	\$538,335.78	575,439
Chilean	3	12,045	10,840.50	10,020
Danish	17	64,904	58,093.56	77,886
French	7	38,685	34,816.50	39,711
German	35	145,551	127,825.20	147,521
Greek	8	39,776	35,798.40	65,726
Honduran	4	6,486	5,837.40	4,413
Italian	6	37,920	34,128.00	14,794
Japanese	19	107,991	97,191.90	146,220
Netherlands	26	66,130	58,686.66	61,863
Norwegian	59	273,238	230,586.48	287,321
Panamanian	17	24,966	20,625.66	20,771
Peruvian	1	2,259	2,033.10	1,875
Swedish	16	76,430	65,140.02	126,315
United States	⁸ 164	801,487	709,256.70	921,019
Yugoslav	7	28,715	24,306.30	38,055
Total	506	2,341,894	2,053,502.16	2,538,949

⁶ Tolls-paying vessels of 300 net tons or over, Panama Canal measurement. ⁷ Includes 1 naval vessel of 9,300 displacement tons. ⁸ Includes 1 dredge of 1,296 displacement tons.

Traffic by Trade Routes for May 1939

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	60	293,623	216,840	60	333,814	440,022
East coast United States and:						
Canada	1	4,685	4,583	3	11,388	18,136
Central America/Mexico	4	6,215	7,033	3	4,824	1,441
South America	18	75,860	14,959	25	105,005	252,490
Hawaiian Islands	3	14,518	11,851	5	24,358	42,265
Australasia	7	36,819	35,401			
Philippine Islands	8	44,532	45,548	10	54,816	78,188
Far East	31	151,595	237,150	2	11,360	15,889
Canada intercoastal	1	5,471	7,142	3	15,197	22,087
East coast Canada and:						
South America	1	1,804	2,240			
Australasia	2	10,653	8,577	4	20,336	18,704
Philippine Islands				1	5,892	9,796
Far East	1	6,042	8,303			
Central America/Mexico intercoastal	1	1,400	1,700	1	6,264	
East coast Central America and South America	1	2,020	3,670			
South America intercoastal	5	9,032	7,397	1	452	
East coast South America and:						
Canada	2	8,583	10,144	1	4,573	4,301
Philippine Islands				1	5,409	7,583
Far East	2	10,257	11,420			
Cristobal and:						
United States	1	5,973		1	5,973	11,778
Central America/Mexico	5	3,314	3,756	4	2,692	4,082
South America	16	10,167	6,040	16	10,474	10,863
West Indies and:						
United States	2	9,257		3	19,084	39,143
Canada	1	4,807		1	2,965	6,111
Central America/Mexico	1	6,268	13,218			
South America	2	9,873	19,751			
Australasia	1	4,090	7,425			
Europe and:						
United States	12	61,229	7,445	16	54,901	72,732
Canada	33	170,737	38,853	38	205,281	326,991
Central America/Mexico	1	3,012	3,567	2	5,390	3,244
South America	22	128,280	43,242	29	157,907	247,132
Balboa	1	5,153				
Australasia	11	79,090	44,146	11	82,949	68,809
Far East	1	6,021	6,070			
Egypt and South America	1	4,204				
Around the world	1	7,409	4,757	2	18,067	4,934
Vessels not engaged in commerce	⁹ 2	530		¹⁰ 1		
Total	262	1,202,523	832,228	244	1,139,371	1,706,721

⁹ One naval vessel and 1 yacht. ¹⁰ Dredge.

Origin and Destination of Cargo by Major Areas, May 1939

The following table summarizes the origin of cargo passing through the Canal in May 1939, 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	224,001	18,752	290,075	15,666	32,747	581,241
Other North America	4,346	27,599	3,064	37,027	18,656	90,692
Europe	32,296	17,019	2,670	35,821	43,672	131,478
Miscellaneous	9,642	175	11,761	6,915	324	28,817
Total	270,285	63,545	307,570	95,429	95,399	832,228

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States	441,182	57,220	159,297	6,189	663,888
Canada	13,312	27,386	237,936	2,323	280,957
Other North America	43,274	4,614	4,484		52,372
South America	249,744	15,105	245,600	36	510,485
Australasia	8,149	12,788	66,576		87,513
Asia	106,065	5,124		317	111,506
Total	861,726	122,237	713,893	8,865	1,706,721

Principal Commodities

Commodities in transit through the Canal which aggregated 10,000 or more tons either during May 1939 or May 1938 are listed below:

Commodity	May		Commodity	May	
	1939	1938		1939	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Automobiles and parts	23,781	17,516	Canned food products	91,653	55,740
Canned food products	10,234	8,337	Coffee	19,350	17,284
Cement	16,875	9,395	Cold storage (food products) ¹² ..	25,628	34,734
Chemicals ¹¹	16,179	10,385	Copra	16,491	15,512
Coal and coke	12,008	2,298	Flour	13,031	11,975
Cotton, raw	18,331	5,448	Fruit, dried	23,766	16,569
Iron and steel	142,851	131,374	Fruit, fresh ¹³	41,031	37,914
Machinery	15,631	11,516	Lumber	318,999	219,831
Manufactured goods ¹¹	20,276	8,825	Metals, various	58,053	49,205
Metals, various	32,830	41,468	Molasses and syrups		13,840
Oils, mineral	84,598	71,656	Nitrates	152,956	153,183
Paper	23,366	24,029	Oats	13,400	6,855
Phosphates	35,780	32,922	Oils, mineral	289,781	237,230
Scrap metal	124,667	236,718	Oils, vegetable	12,526	11,926
Sulphur	13,049	7,588	Ores	166,729	188,784
Tinplate	23,399	20,323	Paper	14,575	5,892
Wood pulp	3,123	10,674	Phosphates	14	15,300
<i>Pacific to Atlantic</i>			Sugar	124,551	156,855
Asphalt and tar	11,549	11,209	Wheat	136,700	59,795
Barley	18,012	14,084	Wood pulp	25,455	21,363
Beans, edible, dry	9,893	12,243	Wool	19,411	18,086

¹¹ Except as otherwise classified.¹² Except fresh fruit.¹³ Does not include bananas.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of May 1939, 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			159	235
Agricultural implements	1,048	12	3,362	165
Alfalfa meal		332		462
Ammonium compounds	23		5,340	2,174
Animal foods ¹⁴	62	285	62	285
Apparel, wearing (hats, shoes, clothing, etc.)	7		7	3
Asbestos	629	31	5,291	36
Asphalt and tar	256	11,180	7,301	11,549
Automobiles (and autotricks)	3,064	25	15,399	39
Automobile parts and accessories	648	64	8,382	64
Bags and bagging, textile	259		454	
Bamboo and products				97
Bananas				2,706
Barks, miscellaneous		41		447
Barley		26	17	18,012
Beans, edible, dry		3,777	286	9,893
Beer	23		411	
Beverages, nonalcoholic	12		12	
Blood and tankage			85	1,146
Bones and bone meal			1,055	
Books and printed matter	38	96	39	96
Borax	55	500	72	7,076
Bran and pollards				674
Bricks and tile	205		608	391
Canned and preserved goods:				
Fish	168	13,074	844	21,037
Fruit	1,273	25,759	1,616	50,013
Meat	39	79	1,202	716
Milk		100	592	180
Soup	1,532	645	1,644	645
Vegetables	1,202	8,747	1,365	8,880
Miscellaneous and unclassified	2,331	6,683	2,971	10,182
Carbon black	77		733	
Celite		1,046		1,046
Cement	628		16,875	10
Chalk			176	
Charcoal	66		66	
Chemicals ¹⁴	4,059	610	16,179	1,118
Clay, china and fire	1,629	233	3,899	354
Clay, filtering			11	
Coal			300	41
Cocoa and cacao beans	522		961	4,556
Coconuts and products ¹⁴	86	883	94	1,371
Coffee	316	112	5,178	19,350
Coke	250		11,708	20
Cold storage and refrigerated products:				
Dairy products		40	163	9,361
Fish	18		35	1,166
Lard	32		340	8
Meats	88		378	14,816
Poultry				1
Vegetables		61	20	276
Confectionery	710		756	
Copra				16,491
Corn			315	
Cotton, raw	61	630	18,331	5,084
Creosote	10		74	
Drugs and medicines	2,011	233	2,471	262
Dyes	6		6	
Earthenware	73	3	265	369
Electrical apparatus and appliances	1,755	301	3,428	351
Enamelware and metalware	607	71	1,414	135
Explosives	288	43	955	43
Extract, quebracho	15		856	
Fertilizers ¹⁴	341	128	2,508	806
Fish meal				813
Floor coverings	1,898	2,176	2,216	2,467
Flour	295	7,659	1,541	13,031
Fruit, dried		7,120	32	23,766
Fruit, fresh ¹⁴		3,087	2	41,031
Furniture and household goods	226	45	1,223	51
General	14,304	8,756	45,647	17,362
Glass and glassware	2,403	152	5,383	916
Glue	10	17	10	17

¹⁴ 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 ¹⁴			25	
Groceries.....	1,247	224	1,593	802
Gums.....	5	72	13	246
Hair, all kinds.....	20	31	23	132
Hay.....		56		66
Hemp, unmanufactured.....	36		172	1,682
Honey.....		80		223
Horns and hoofs.....			61	41
Infusorial earth.....	18	1,004	18	1,665
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.).....	87,405	107	142,851	257
Ivory nuts.....		12	401	1,380
Jute, unmanufactured.....	35	48	93	48
Lard substitute.....	668		687	62
Lime.....			169	
Liquors.....	5,532	94	7,109	136
Lumber (including manufactured mill products).....	1,782	136,120	5,866	318,999
Machinery.....	4,337	512	15,631	709
Malt.....			724	8
Manufactured goods ¹⁴	11,427	1,011	20,276	2,027
Marble and granite.....	40		335	
Matches.....	215	104	317	104
Metals:				
Copper.....	1,170	6,140	4,448	31,983
Gold and silver.....	525		525	210
Iron.....	1,787		12,234	
Lead.....	84	1,285	6,297	15,155
Tin.....	15	157	1,817	1,312
Zinc.....	101		2,400	7,680
Other and unclassified.....	245	51	5,109	1,713
Milk, powdered.....	3	287	3	393
Molasses and syrups.....	484		514	
Nitrate.....	2,630		5,288	152,956
Nuts, edible (including meats).....		251	209	309
Oats.....	44	90	52	13,400
Oils, mineral:				
Crude.....	49	28,890	3,704	117,478
Gas and fuel.....	97	35,242	36,854	57,317
Gasoline, benzine, and naphtha.....		53,314	10,512	96,405
Kerosene.....			886	17,111
Lubricating and greases.....	7,578	702	32,642	1,470
Oils, vegetable:				
Coconut.....		752	598	7,635
Cottonseed.....	461		461	
Linseed.....	90		126	
Olive.....	40		327	
Rapeseed.....		44		702
Teased oil.....				240
Wood.....			34	1,251
Other and unclassified.....	62	74	355	2,608
Oil, fish.....	165	1,272	325	1,870
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.).....	23	15	3,364	1,920
Oilseed cake and meal.....	1,397		1,397	2,917
Ores:				
Antimony.....				265
Chrome.....	179		179	3,000
Copper.....	18	1,891	2,020	5,099
Gold and silver.....				495
Iron.....	285		4,203	146,600
Lead.....		118		2,174
Magnesite.....		39	5	39
Manganese.....		933	176	1,943
Tin.....		60	86	2,982
Zinc.....	47		72	204
Other and unclassified.....	20	455	339	3,928
Paints and varnishes.....	1,674	131	4,006	153
Paper and paper products ¹⁴	10,556	9,575	23,366	14,575
Peanuts.....	661		661	
Peas, dry.....		153	13	234
Peatmoss.....			1,302	
Phosphates.....	753		35,750	14
Plaster.....			64	
Porcelainware.....	460	58	1,181	2,557
Potash.....			1,053	652
Pyrethrum flowers.....				47
Rags and waste.....	419	83	3,218	211
Railroad material.....	214		6,249	
Rice.....	544	453	1,101	2,804
Rope and twine.....	336		731	20
Rosin.....	1,825		4,761	3

¹⁴ 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.....	712	384	1,078	507
Raw.....			779	2,312
Scrap.....		30	2,420	111
Salt.....	250	957	6,421	957
Sand.....	27		1,089	40
Scrap metal.....	148	372	124,667	2,415
Seeds (except oilseeds).....	35	86	233	965
Shells, oyster.....	730	1	750	270
Silk, raw.....		184	39	1,667
Skins and hides.....	19	1,363	49	5,634
Slate.....	2,584		2,584	
Soaps and products.....	2,304	103	2,499	201
Soda and sodium compounds:				
Soda ash.....	261		611	266
Soda, caustic.....	342		1,389	100
Miscellaneous and unclassified.....	379	260	950	271
Soy beans.....	47		47	
Spices.....	188		220	49
Sugar.....	15	20,149	8,176	124,551
Sulphur.....	7,500	103	13,049	110
Talc.....	118	35	118	50
Tallow.....	304	239	307	3,557
Tea.....	122	71	227	219
Textiles ¹⁵	4,991	70	9,599	1,809
Tinplate.....	8,147		23,399	169
Tobacco and manufactures.....	508	90	3,392	218
Toilet preparations.....	54		54	
Turpentine.....	36		105	
Vegetables, dry ¹⁴			61	1,076
Wall board.....	211	474	525	1,086
Wax, paraffin.....	234		1,609	589
Wheat.....	18	142	774	136,700
Wines.....	30	995	1,277	1,553
Wood pulp.....	221	21,971	3,123	25,455
Wool.....		6,261	62	19,411
Total, May 1939.....	224,001	441,182	832,228	1,706,721
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

¹⁴ Except as otherwise classified. ¹⁵ Cotton, silk, wool, rayon goods.

Tanker Traffic

The following tabulation shows, according to trade routes, the tanker traffic through the Canal during the month of May 1939:

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	37,533	457	12	67,430	¹⁶ 128,616
Central America/Mexico intercoastal.....				1	6,264	
East coast Central America/Mexico and South America.....	1	2,020	3,670			
South America intercoastal.....	1	4,359	2,750			
Cristobal and United States.....	1	5,973		1	5,973	11,778
West Indies and:						
United States.....	1	5,944		3	19,084	39,143
Central America/Mexico.....	1	6,268	13,218			
South America.....	2	9,873	19,751			
Europe and:						
United States.....	2	14,468		2	9,191	17,069
South America.....	5	35,095		8	50,453	102,851
Balboa.....	1	5,153				
Total.....	23	126,686	39,846	27	158,395	299,457

¹⁶ Includes 11,180 tons of asphalt.

Comparison of Canal Traffic in May 1939, 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
		(000 omitted)	(000 omitted)			(000 omitted)	(000 omitted)
1915	17 137	439	584	1915	18 100	334	466
1916	123	356	480	1916	60	184	258
1917	140	433	596	1917	145	447	588
1918	193	609	758	1918	165	506	627
1919	166	524	642	1919	162	472	576
1920	219	788	975	1920	199	659	781
1921	206	799	793	1921	232	879	966
1922	236	955	1,158	1922	222	880	907
1923	415	1,968	2,265	1923	325	1,434	1,631
1924	410	1,929	2,354	1924	429	2,016	2,249
1925	366	1,708	1,823	1925	382	1,761	1,996
1926	456	2,074	2,416	1926	424	1,909	2,169
1927	447	2,078	2,378	1927	441	2,020	2,311
1928	498	2,103	2,496	1928	521	2,269	2,468
1929	515	2,309	2,536	1929	524	2,299	2,554
1930	470	2,237	2,261	1930	502	2,310	2,502
1931	411	2,019	1,924	1931	447	2,140	2,089
1932	345	1,809	1,676	1932	364	1,820	1,650
1933	342	1,741	1,628	1933	347	1,758	1,513
1934	459	2,374	2,302	1934	436	2,201	2,069
1935	424	2,189	2,292	1935	432	2,143	2,109
1936	488	2,316	2,420	1936	449	2,160	2,209
1937	544	2,626	2,951	1937	467	2,224	2,507
1938	465	2,150	2,309	1938	460	2,163	2,297
1939	506	2,342	2,539	1939 (11 months)	493	2,264	2,312

¹⁷ Canal opened August 15, 1914.¹⁸ Average for 10½ months.

Terminal Activities

Ships repaired during the month of May 1939, numbered 69. Vessels released from drydock numbered 14. Fuel oil amounting to 285,056 barrels was delivered as bunkers to 152 commercial vessels. Bunker coal amounting to 8,764 tons was delivered to 29 commercial vessels. Sales of commissary supplies to ships aggregated \$49,809.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving..... tons.	26,333	12,852	39,185
Local cargo shipped..... tons.	3,090	838	3,928
Cargo received for transshipment..... tons.	56,089	477	56,566
Cargo transhipped..... tons.	56,859	1,434	58,293
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	7	1	8
Number of releases issued.....	44	21	65
Tons received.....	38		38
Tons withdrawn.....	36	11	47

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.	605	3,603,366	2,201,225	563	3,226,399	1,985,935
Vessels entering port but not transiting Canal.	65	385,952	209,371	7	36,433	23,245
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	167	1,003,974	607,288	111	702,414	413,332
<i>Ships clearing</i>						
All vessels, including those transiting Canal.	604	3,555,271	2,159,441	634	3,747,280	2,507,312
Vessels clearing port but not transiting Canal.	63	373,094	202,384	12	38,799	24,550
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	169	987,013	587,351	107	690,596	406,320

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, 1939, to midnight June 10, 1939. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Loreto, 35, 4	Santa Clara, 255, 50	San Francisco, 173, 121	De La Salle, 129, 156	Santa Rita, 429, 92
Chiriqui, 174, 1,264	R. L. Hustler, 1½, 0	Trois Ilets, 237, 0	Margaret Johnson, 246, 23	Alabama, 861, 16
Quito, 1,328, 1,280	Patria, 16, 383	Acajutla, 947, 949	Ward, 91, 0	Trois Ilets, 330, 72
Nero, 363, 349	Frankfurt, 0, 322	Monserrate, 39, 452	Imperial, 73, 0	Mayari, 0, 184
Ancon, 3,885, 866	Yamazato Maru, 453, 0	Cefalu, 688, 530	Phoenicia, 8, 699	Santa Rosa, 61, 943
Benjamin Franklin, 12, 68	Dinteldijk, 203, 69	Panama, 4,871, 1,160	Orazio, 125, 1	Talamanca, 105, 53½
Canada, 0, 7	Platano, 1,187, 0	Musa, 911, 0	Contessa, 480, 483	Santa Inez, 401, 6
Orotava, 343, 459	Pasajero, 0, 4	San Angelo, 1,017, 14	City of Norfolk, 121, 0	Anna Maersk, 268, 94
Lochmonar, 108, 149	Colombia, 970, 33	Santa Maria, 275, 101	Ordna, 65, 416	Oakland, 533, 1,033
Sixaola, 407, 82	Pereira, 1,180, 877	Santa Lucia, 535, 68	Leipzig, 80, 836	Caribia, 6, 677
Colombia, 863, 193	Cristobal, 1,808, 866	Quirigua, 197, 1,950	Santa Barbara, 472, ½	Weser, 154, 456
American Press, 810, 1,201	La Paz, 5, 328	Orotava, 1,082, 685	Hardanger, 42, 232½	Cefalu, 716, 682
Douro, 598, 100	Duesseldorf, 41, 670	Tai Ping Yang, 886, 0	Platano, 2,324, 763	Loriga, 3, 246
Balboa, 63, 140	Rufina, 3,806, 0	Nero, 409, 135	Hibueras, 1,525, 0	City of Baltimore, 680, 0
Maui, 210, 0	Talamanca, 216, 1,438	Colombia, 768, 471	Dramatist, 221, 0	Salvador, 611, 271
Ino, 0, 365	Durazzo, 0, 438	Real, 17, 0	Breda, 212, 1,229½	Cadmus, 0, 1,198
Falcon, 0, 253	Reina del Pacifico, 53, 9	City of Dalhart, 234, 0	Deroche, 3,224, 0	Musa, 1,138, 231
Nuevo Panama, 0, 171	Clio, 596, 26	Samuel Bakke, 292, 416	Jamaica, 561, 690	Santa Lucia, 302, 12
Magician, 321, 0	Leme, 167, 641	Telde, 342, 288	Colombia, 789, 238	Francis R. Hart, 6,465, 0
Trois Ilets, 86, 30	Cerigo, 997, 39	Santa Maria, 215, 151	Ino, 319, 33	Morviken, 447, 65
Simon Bolivar, 0, 1,038	Sesostri, 87, 620	Bogota, 1,200, 905	Ancon, 2,175, 924	Colombia, 778, 382
Cuba, 153, 6	Rhakotis, 13, 370	Clio, 205, 119	John Cabot, 1,051, 1,334	Veragua, 322, 580
Nordvest, 399, 0	Mao, 0, 7,340	Kongo Maru, 295, 0	Douro, 0, 69	Losala, 265, 0
Jamaica, 12, 43	Ulua, 675, 72	Nuevo Panama, 0, 233	Knute Nelson, 8½, 155	Orotava, 441, 105
West Iris, 0, 265	Cadmus, 0, 310	Lauritz Swenson, 24, 654	Cengo, 89, 275	Telde, 420, 658
Kiyosumi Maru, 457, 0	Ammon, 20, 0	Douro, 331, 0	San Pedro, 265, 124	Hokkai Maru, 441, 441
Santa Rosa, 102, 231	Portland, 95, 310	Socrates, 41, 1,577	Norden, 581½, 10	Nero, 401, 344
Wisconsin, 113, 130	Nagara Maru, 410, 329	Rufina, 4,186, 0	Tolosa, 674, 634	Douro, 381, 253
Santa Inez, 310, 177	Bodegraven, 149, 526	Margaret Lykes, 1,014, 601	Quito, 1,567, 0	Cristobal, 2,600, 894
Salvador, 0, 423	Ino, 554, 342	Istmo, 0, 4	Pasajero, 0, 10	Sixaola, 261, 226
Santa Rita, 198, 10	Baarn, 167, 616	Lochaven, 106, 126	Clio, 308, 0	Roda, 54, 643
City of Los Angeles, 340, 0	Sambu, 0, 31	Rialto, 144, 0	Colombia, 36, 29	Barneveld, 410, 764
San Bernardino, 240, 0	Francis R. Hart, 10,453, 0	Modjokerto, 573, 0	West Ira, 126, 413	Durazzo, 1,256, 916
Western Sword, 0, 7,840	Santa Paula, 156, 433	San Anselmo, 195, 4	San Clemente, 209, 8	Amerika, 0, 18
San Mateo, 0, 426	Veragua, 45, 9	Chiriqui, 10, 17	Nuevo Panama, 0, 97	San Diego, 123, 282
Contessa, 332, 534	Europa, 10, 210	Caribia, 94, 60	Taketoyo Maru, 146, 131	Ionia, 94, 757
Vancouver, 231, 292	Drechtidijk, 282, 0	Santa Elena, 99, 288	Nozima Maru, 467, 109	Colombia, 15, 1,354
Cuba, 0, 611	City of San Francisco, 342, 0	Kaipara, 40, 0	Annie Johnson, 149, 211	Sona, 0, 18

BALBOA

Hunter Liggett, 177, 106	Choco, 8, 45	San Francisco, 937, 0	Deroche, 3,998, 0	San Rafael, 1, 0
Maui, 101, 0	City of Los Angeles, 109, 1	Tai Ping Yang, 199, 0	Acajutla, 0, 2	Northwestern, 100, 0
Benjamin Franklin, 468, 0	Santa Inez, 117, 0	Santa Maria, 162, 1	Margaret Johnson, 199, 0	Salvador, 1, 0
West Iris, 2,098, 1	Lindington, 431, 0	Santa Lucia, 112, 0	Santa Barbara, 8, 2	Munchen, 113, 0
City of Baltimore, 0, 2	Vancouver, 144, 100	Montreal Maru, 559, 0	Breda, 244, 0	Donau, 0, 135
Chateau Thierry, 3,532, 337	Eso Panama, 2,204, 0	Samuel Bakke, 548, 77	Buenos Aires, 258, 0	John Cabot, 0, 21
Castor, 5,669, 0	Santa Clara, 192, 1	La Placencia, 11,293, 0	Colombia, 0, 25	Santa Lucia, 330, 3
Salvador, 0, 2	Acajutla, 3, 0	Sirius, 12, 0	City of Los Angeles, 0, 1	Republic, 30, 26
Rancagua, 0, 26	Pereira, 0, 1	Hans Arp, 77, 202	Anna Maersk, 333, 0	West Cactus, 2,688, 0
	Point Brava, 0, 76	Richmond, 7,200, 0	Santa Rita, 112, 2	Rakuyo Maru, 16, 0
	Rangitane, 99, 0	City of Norfolk, 226, 0	Santa Inez, 1, 1	Sandham, 1, 0
				Sylvan Arrow, 12,875, 0

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

Passengers

During May 1939, ocean-ship passengers debarking at Cristobal numbered 2,175, embarking 2,623; at Balboa, 401 debarking, 430 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 3,149; from the Pacific to the Atlantic 3,986. Commercial aircraft numbering 57 entered Cristobal with 236 passengers debarking; clearances were 57 with 231 passengers embarking. Balboa entries of aircraft numbered 52, with 111 passengers debarking; clearances were 52 with 117 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, \$1 per barrel at Cristobal and Balboa; Diesel oil, \$1.65 per barrel at Cristobal and Balboa.

Movements of Ocean Vessels Through the Panama Canal **From midnight May 10, 1939, to midnight June 10, 1939**

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
San Vicente.....	9	11	Amer.	Quaker Line.....	New York, N. Y.	Portland, Oreg.	General.....	4,207
Maravi.....	10	11	Pan.	United Fruit Co.....	Charleston, S. C.	Puntarenas, C. R.	R. R. mat'l.	2,881
Sheaf Holme ²	10	11	Brit.	J. J. Moore & Co.....	Hull, England.	Vancouver, B. C.	Ballast.....	
Amagisan Maru ²	11	11	Jap.	Mitsui Bussan Kaisha	Baltimore, Md.	Yokohama, Japan	General.....	7,602
Point Chico.....	11	11	Amer.	Swayne & Hoyt.....	New Orleans, La.	Seattle, Wash.	General.....	5,360
Charles Christenson.	11	11	Amer.	Arrow Line.....	Baltimore, Md.	Tacoma, Wash.	General.....	3,860
Siljestad ²	10	11	Nor.	Fern Line.....	Jacksonville, Fla.	Yawata, Japan.	Scrap steel.....	7,221
West Notus.....	11	11	Amer.	McCormick S. S. Co.	Albany, N. Y.	Seattle, Wash.	Gen., steel.....	6,604
Telde.....	10	11	Hond.	United Fruit Co.....	New Orleans, La.	Pto. Arm's, R.P.	General.....	1,610
Rimutaka.....	11	12	Brit.	N. Z. Shipping Co.....	London, England	Wellington, N. Z.	General.....	5,112
Baron Yarrowbrough	11	12	Brit.	Peru Guano Co.....	Rotterdam, Neth.	Callao, Peru.	Ballast.....	
Titan.....	12	12	Brit.	Ocean S. S. Corp.	Liverpool, Eng.	Seattle, Wash.	Ballast.....	
Harry Luckenbach.	12	12	Amer.	Luckenbach Line.....	Providence, R. I.	Seattle, Wash.	General.....	3,440
Benj. Franklin ²	12	12	Nor.	Brevik Olsen & Co.....	Brevik, Norway.	Vancouver, B. C.	General.....	2,945
Lochmonar ²	12	13	Brit.	Royal Mail Lines.....	Rotterdam, Neth.	Portland, Oreg.	General.....	4,140
Flomar.....	13	13	Amer.	Caimar Line.....	Baltimore, Md.	Seattle, Wash.	Steel, gen.....	7,096
Sage Brush.....	13	13	Amer.	Shepard S. S. Co.....	Boston, Mass.	Seattle, Wash.	General.....	4,250
Ino ²	5	13	Neth	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.....	331
Panaman.....	13	13	Amer.	Amer.-Hawaii Line.....	Boston, Mass.	Seattle, Wash.	General.....	3,700
Sessa.....	12	13	Dan.	West Coast Line.....	Baltimore, Md.	Talcahuano, Chile	General.....	2,240
Kinross ²	13	13	Brit.	Anglo-Can. S. S. Co.	Antwerp, Belg.	Vancouver, B. C.	General.....	3,122
Nero ²	12	13	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.....	317
Colombia ²	12	13	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.....	642
Quito ²	11	13	Ger.	North German Lloyd.	Cristobal, C. Z.	Callao, Peru.	General.....	661
Falcon.....	13	14	Amer.	Grace Line.....	Chester, Pa.	Valparaiso, Chile.	(18) 587	
Temple Pier.....	13	14	Brit.	Port Line.....	Newp't News, Va.	Auckland, N. Z.	General.....	2,670
Gemstone.....	13	14	Brit.	Canadian Transp. Co.	Hull, England.	Vancouver, B. C.	Ballast.....	
El Grillo ¹	13	14	Brit.	C. T. Bowring & Co.	Tyne, England.	Balboa, C. Z.	Ballast.....	
Australind ²	13	14	Brit.	Norton, Lilly & Co.	Philadelphia, Pa.	Brisbane, Aust.	General.....	4,466
Texas Sun ²	13	14	Amer.	Sun Oil Co.....	Chester, Pa.	Los Angeles, Cal.	Ballast.....	
Moveria ²	13	14	Brit.	Donaldson Line.....	Glasgow, Scot.	Vancouver, B. C.	General.....	1,211
Leticia ²	14	14	Pan.	A. Tagaropoulos.....	Cristobal, C. Z.	Talara, Peru.	Ballast.....	
City of Baltimore.	14	14	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.....	3,154
Coldbrook.....	14	14	Amer.	U. S. Maritime Com.	Norfolk, Va.	Seattle, Wash.	Ballast.....	
Zvir.....	14	14	Y-Slav	Seaboard Ship. Co.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.....	
Nuevo Panama ²	13	14	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm's, R.P.	General.....	203
Sambu ²	13	14	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Frank ²	14	14	Pan.	E. J. Hooper.....	Cristobal, C. Z.	Gatun, C. Z. ¹⁴	General.....	20
Caledonian Monarch.	14	15	Brit.	Bank Line.....	Huelva, Spain.	Kamaishi, Japan.	Scrap iron.....	8,128
Lucia II ⁶	13	19	Amer.	Jose de La Vega.....	Boston, Mass.	Acapulco, Mexico	Ballast.....	
Birmingham City.	15	15	Amer.	Isthmian S. S. Lines.	Portland, Me.	Tacoma, Wash.	Steel, gen.....	4,583
Neches ¹	12	15	Amer.	U. S. Navy.....	Houston, Tex.	San Diego, Calif.	Ballast.....	
Heffron.....	14	15	Amer.	Weyerhaeuser S.S. Co.	New York, N. Y.	Seattle, Wash.	General.....	4,940
Vancouver City ²	15	15	Brit.	Reardon-Smith Line.	Tampa, Fla.	Kobe, Japan.	Phos., coke.....	8,500
Yamagiri Maru ²	15	15	Jap.	Yamashita Kisen K.	Buenos Aires, Arg.	Kobe, Japan.	Gen., cotton.....	5,849
Saint Gobain ¹	14	15	Swed.	Cie. Des Prod. Chim.	Pt. de Berre, Fr.	Talara, Peru.	Ballast.....	
Herman F. Whiton	15	15	Amer.	Texas Gulf Sulphur	Galveston, Tex.	Bellingham, Wash.	Sulphur.....	7,500
Chateau Thierry ⁸	12	15	Amer.	U. S. Army.....	Brooklyn, N. Y.	Balboa, C. Z.	General.....	38
Kirriemoor ²	15	15	Brit.	Canadian Transp. Co.	Falmouth, Eng.	S. Francisco, Cal.	Ballast.....	
Liberty Glo.....	15	15	Amer.	McCormick S. S. Co.	Philadelphia, Pa.	Seattle, Wash.	General.....	3,025
Trois Ilets.....	13	15	Fr.	French Line.....	Cristobal, C. Z.	Esmeraldas, Ecua.	General.....	30
Jacob Luckenbach	15	15	Amer.	Luckenbach Line.....	Houston, Tex.	Seattle, Wash.	General.....	3,505
Caster ¹	15	16	Swed.	Standard Oil Co.....	Aruba, N. W. I.	Corinto, Nic.	Fuel oil.....	7,548
Tosca ²	15	16	Nor.	Chile Nit. Sales Corp.	Pasajes, Spain.	Iquique, Chile.	Ballast.....	
Porto Bello ³	15	15	Pan.	A. Tagaropoulos.....	Cristobal, C. Z.	Real, R. P.	General.....	3
Salvador.....	9	16	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champ'ico, Guat.	General.....	425
Mussolini ²	15	16	Pan.	D. Campodonico.....	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Pacific Grove ²	16	16	Brit.	Furness, Withy & Co.	Manchester, Eng.	Portland, Oreg.	General.....	956
Rancagua ¹	16	22	Chile.	Chilean Government.	Vera Cruz, Mexico	Valparaiso, Chile	(15) 3,670	
Wisconsin.....	16	16	Fr.	French Line.....	Havre, France.	Vancouver, B. C.	General.....	5,339
Santa Inez ²	16	17	Amer.	Grace Line.....	New York, N. Y.	Callao, Peru.	General.....	2,200
Ludington ⁸	13	17	Amer.	U. S. Army.....	New York, N. Y.	Honolulu, T. H.	General.....	5,802
Ethie ⁶	14	17	Brit.	A. E. N. Kirifdy.....	Chichester, Eng.	West coast, U. S.	Ballast.....	
Vancouver.....	16	18	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Portland, Oreg.	General.....	4,651
San Bernardino.....	16	17	Amer.	States S. S. Co.....	New York, N. Y.	Portland, Oreg.	General.....	4,030
Husvik ²	16	17	Brit.	J. S. Webster & Sons.	New Orleans, La.	Vancouver, B. C.	(16) 1,180	
Steel Age.....	17	17	Amer.	Isthmian S. S. Lines.	Mobile, Ala.	Honolulu, T. H.	General.....	5,865
Suva.....	17	17	Brit.	W. R. Carpenter & Co.	London, England	Rabaul.	General.....	3,560
Dalcainr.....	17	17	Brit.	Campbell Brothers.....	Barry, England.	Makatea Island.	Ballast.....	
Amsterdam.....	17	17	Ital.	Fratelli Rizzuto.....	Genoa, Italy.	Callao, Peru.	(17) 216	
Steele.....	17	17	Amer.	Ore S. S. Corp.....	Baltimore, Md.	Cruz Gr'de, Chile	Ballast.....	

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁶ Yacht. ⁸ Transport. ¹⁵ General, automobile parts. ¹⁴ For bananas and return to Cristobal. ¹⁵ Fuel and Diesel oil. ¹⁶ Lumber, petroleum products. ¹⁷ Airplane, munitions.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Nevedan	17	17	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	3,588
Kastor	17	17	Greek	J. Meyer & Co.	Newcastle, Eng.	Los Angeles, Cal.	Coke.	4,500
Stemmestad ²	17	17	Nor.	Fern Line	New Orleans, La.	Osaka, Japan.	Scrap iron.	7,192
F. J. Luckenbach	17	18	Amer.	Luckenbach Line.	New Orleans, La.	Seattle, Wash.	General.	4,883
Santa Clara	17	18	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile.	General.	3,748
Erie ¹⁵	18		Amer.	U. S. Navy	New York, N. Y.	Balboa, C. Z.	Ballast.	
Aeaea ¹⁴	3	18	Amer.	Lighthouse Service	San Juan, P. R.	Cape Mala, R. P.	Ballast.	
Firmore	17	18	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr de, Chile	Ballast.	
Illinoian	18	18	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	Gen., steel	3,342
Queen Adelaide ²	18	18	Brit.	Mitsubishi Shoji K.	Baltimore, Md.	Yokohama, Japan	(18)	8,587
Coryton	18	18	Brit.	Jas. Herbert Cory	Cardiff, Wales	Vancouver, B. C.	Ballast.	
Colorado ¹⁵	18	22	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	Ballast.	
La Paz ²	18	19	Brit.	Pacific Steam Nav. Co.	Hull, England	Coronel, Chile	(19)	3,847
Santos Maru ²	19	19	Jap.	Osaka Shosen Kaisha	Montevideo, Uru.	Kobe, Japan.	Gen., cotton.	5,571
Eldonpark	18	19	Brit.	J. H. Denholm	Texas City, Tex.	Yokohama, Japan	Scrap iron.	7,130
Dusseldorf ²	18	19	Ger.	North German Lloyd.	Hamburg, Ger.	Corral, Chile	General.	3,378
Paul Luckenbach	19	19	Amer.	Luckenbach Line.	Boston, Mass.	Seattle, Wash.	General.	3,674
Trondanger	19	19	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.	
Steel Engineer	19	20	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Saigon, China	General.	8,105
Newton Ash	19	19	Brit.	Seaboard Ship. Co.	Cardiff, Wales	W. coast of N. A.	Ballast.	
Tregenna	19	19	Brit.	C. Czarnikow	Barry, England.	Auckland, N. Z.	Sugar	7,425
Naruto Maru ²	19	19	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Kobe, Japan.	General.	8,077
Col. Riche ⁵	10	20	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Durazio	18	20	Ger.	Hamburg-Amer. Line.	Manauere, Colom.	Guayaquil, Ecua.	Gen., salt.	957
Colombia ²	18	20	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.	535
Eskbank ²	19	20	Brit.	Inver Transp. & Trad.	Boston, Mass.	Manila, P. I.	General.	5,686
Karmit ²	19	20	Nor.	Chile Nit. Sales Corp.	Savannah, Ga.	Chile	Ballast.	
Alamar	20	20	Amer.	Calmar Line.	Baltimore, Md.	Tacoma, Wash.	Steel, gen.	6,963
Clio ²	19	20	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General.	23
Grete Maersk ²	20	20	Dan.	Isbrandtsen Moller.	Boston, Mass.	Cebu, P. I.	(20)	6,566
W. S. Miller ¹	20	20	Amer.	Standard Oil of Calif.	Wilmington, N.C.	Los Angeles, Cal.	Ballast.	
Missourian ²	20	20	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Tacoma, Wash.	General.	3,852
Joan ²			Amer.	D. McAllister	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	
Tampa ²	20	21	Amer.	Roosevelt S. S. Co.	Philadelphia, Pa.	Adelaide, Aust.	General.	3,321
City of Newport News	21	21	Amer.	Panama-Pacific Line.	New York, N. Y.	S. Francisco, Cal.	General.	2,736
Marbledown	20	21	Brit.	J. & C. Harrison	Houston, Tex.	Kobe, Japan	Scrap iron.	7,760
Bodegraven	20	21	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Valparaiso, Chile.	General.	2,858
Ino ²	20	21	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.	311
Tuira ²	20		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Yape No. 1 ¹⁷			Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Sambu ²	20		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	(21)	
Elsa Essberger ²	21	22	Ger.	General S. S. Corp.	Rotterdam, Neth.	Columbia River.	Ballast.	
Atlantic	21	22	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Portland, Oreg.	Steel, gen.	3,462
Sandpiper ¹⁰			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Lapwing ¹⁰			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Nanka Maru ²	22	22	Jap.	Osaka Syosen Kaisya.	London, England	Dairen, China	Iron, steel.	6,070
Belray ²	22	22	Nor.	Christen Smith	Philadelphia, Pa.	Moji, Japan.	(22)	2,993
Tolken	22	22	Swed.	Transatlantic S. S. Co.	Tyne, England	Vancouver, B. C.	Ballast.	
Aconagua ²	21	21	Chile.	Cia. Sud. Amer. de Vap.	Hamburg, Ger.	Valparaiso, Chile.	General.	1,176
Grangepark	22	22	Brit.	Hasegawa B. Kaisha	Portland, Me.	Yawata, Japan.	Scrap iron.	6,922
Greystoke Castle ²	22	22	Brit.	Barber Line	New York, N. Y.	Osaka, Japan.	(23)	6,092
Europa ²	22	22	Dan.	East Asiatic Co.	Copenhagen, Den	Portland, Oreg.	(24)	825
Sheafcrow	22	23	Brit.	Iwai & Co.	New York, N. Y.	Vladiv'k, Russia	Scrap iron.	7,881
Porto Bello ³	22	22	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General.	3
Colon ²	21	21	Pan.	D. Campodonico	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Pereira	18	23	Pan.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General.	876
MacDonald ¹⁶	21	25	Brit.	Canadian Govt.	Halifax, N. S.	Vancouver, B. C.	Ballast.	
Mussolini ²	22	22	Pan.	D. Campodonico	Cristobal, C. Z.	Balboa, C. Z.	Ballast.	
Drechtijk ²	22	23	Neth.	N. Pac. Coast Line.	Rotterdam, Neth.	Vancouver, B. C.	General.	1,560
La Brea ¹	22	23	Amer.	Union Oil Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast.	
Kano Maru ²	23	23	Jap.	Kokusan Kisen Kaisha	New York, N. Y.	Kobe, Japan.	Gen., cotton.	8,303
Istmo	23	23	Pan.	Elliot Ship. & Land Co.	Cartagena, Col.	B'ventura, Col.	Salt	653
King Neptune ²	23	23	Brit.	Seaboard Ship. Co.	Belfast, Ireland	Brit. Columbia	Ballast.	
Mokihana	23	23	Amer.	Matson Nav. Co.	Baltimore, Md.	Hilo, T. H.	General.	2,153
Port Dumedin ²	23	23	Brit.	Port Line, Ltd.	London, England	Auckland, N. Z.	General.	7,355
Rabaul ²	23	23	Brit.	W. R. Carpenter & Co.	London, England	Brisbane, Aust'lia	Gen., cement	1,726
Asakasan Maru ²	23	24	Jap.	Mitsui & Co.	Philadelphia, Pa.	Moji, Japan.	Oil, mach.	8,008
Monserate ²	23	24	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Corral, Chile	General.	5,526
W. H. Berg ¹	23	24	Amer.	Standard Oil of Calif.	New York, N. Y.	Los Angeles, Cal.	Ballast.	
Westmoreland	24	24	Brit.	Fed. Steam Nav. Co.	Liverpool, Eng.	New Zealand	Ballast.	
City of Glasgow	23	24	Brit.	Manz Line	Montreal, Canada	Bluff, N. Z.	General.	3,323
Anzonan	24	24	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General.	2,262
P. Point Brava	24	25	Amer.	Swayne & Hoyt	Corpus Ch'ti, Tex.	Seattle, Wash.	General.	4,558
San Francisco	23	25	Fr.	French Line.	Havre, France.	Corral, Chile	General.	4,232
Atcheypress ¹²	24	24	Brit.	United Molasses Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast.	
Goodyear ⁵			Amer.	Goodyear Rubber Co.	Cristobal, C. Z.	Gatun, C. Z.	Ballast.	

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁵ Launch. ¹⁰ Mine sweeper. ¹³ Gunboat. ¹⁴ Lighthouse tender. ¹⁵ Battleship. ¹⁶ Cutter. ¹⁷ Barge. ¹⁸ Scrapper, machinery. ¹⁹ Coal, coke, general. ²⁰ General, automobile parts. ²¹ Towing barge Yape No. 1. ²² Locomotives, general. ²³ Scrap steel, general. ²⁴ General, oil, peat moss.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Enoch ²	24		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹⁴		20
Cuango	23		Pan.	E. Pucci	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Sona ²	23		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Real ²	23		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Snapper	23	25	Amer.	U. S. Navy	N. London, Conn.	San Diego, Calif.	Ballast	
Salmon ⁷	23	25	Amer.	U. S. Navy	N. London, Conn.	San Diego, Calif.	Ballast	
Shipjack ⁷	23	25	Amer.	U. S. Navy	N. London, Conn.	San Diego, Calif.	Ballast	
Noto Maru ²	25	25	Jap.	Nippon Yusen Kaisha	New York, N. Y.	Kobe, Japan	Cotton, oil	8,605
Empire Star ²	25	25	Brit.	Blue Star Line	London, England	Pt. Chalmers, N.Z.	General	4,676
Gryfevale	25	25	Brit.	Chile Nit. Sales Corp.	Tyne, England	Chile	Ballast	
Hamnington Court	24	25	Brit.	Canadian Transp. Co.	Louisburg, N. S.	Vancouver, B. C.	General	7,142
Oakmar	25	25	Amer.	Calmar Line	Philadelphia, Pa.	Tacoma, Wash.	Steel, gen.	4,810
Santa Maria ²	25	26	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	2,830
Col. Riche ⁵	18		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow, barge	
Eleni Stathatos	25	26	Greek	Hasegawa Line	Texas City, Tex.	Yokohama, Japan	Scrap iron	7,520
Waggenwald	25	26	Ger.	Hamburg-Amer. Line	Galveston, Tex.	Yokohama, Japan	(15)	7,200
Terukawa Maru ²	25	26	Jap.	Kawasaki K. Kaisha	New York, N. Y.	Kobe, Japan	(16)	8,092
Susan V. Luckenbach	26	26	Amer.	Luckenbach Line	New York, N. Y.	Tacoma, Wash.	General	3,376
Petrofina ^{1 2}	26	26	Nor.	Sig. Herlefsen & Co.	Dunkerque, Fr.	Talara, Peru	Ballast	
Tamarca	26	27	Brit.	Shaw, Savill & Albion	London, England	Wellington, N. Z.	General	4,976
Orotava	25	26	Hond.	United Fruit Co.	New Orleans, La.	Champico, Guat.	Gen., oil	1,471
Trois Ilets	23	26	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	Ballast	
San Angelo	24	26	Amer.	Quaker Line	Jacksonville, Fla.	Portland, Oreg.	General	4,463
Samuel Bakke ²	26	27	Nor.	Knut Knutsen O.A.S.	Oslo, Norway	Valparaiso, Chile	Gen., paper	3,493
Real ²	25	26	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
J. Fred Talbot ³	27		Amer.	U. S. Navy	Pto. Mexico	Balboa, C. Z.	Ballast	
Tattnall ³	27		Amer.	U. S. Navy	Campeche, Mex.	Balboa, C. Z.	Ballast	
President Garfield	27	27	Amer.	Amer.-President Line	Boston, Mass.	Singapore, St. Set.	Gen., tires	4,757
Marna	27	27	Dan.	Wessel, Duval & Co.	New York, N. Y.	Talcahuano, Chile	General	2,164
Imperial Valley	26	27	Brit.	W. R. Smith & Sons	Pt. Arthur, Tex.	Yawata, Japan	Scrap iron	7,497
Trontolite ^{1 2}	26	27	Brit.	Imperial Oil Co.	Barraquilla, Col.	B'ventura, Col.	Gasoline	2,750
Pacific Shipper ²	26	27	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General	846
Charleston ¹⁸	27		Amer.	U. S. Navy	Progreso, Mexico	Balboa, C. Z.	Ballast	
Chilore	27	27	Amer.	Ore S. S. Co.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Nero ²	25	27	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General	122
Colombia ²	25	27	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	840
Clio ²	26	27	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	108
Daronia ^{1 2}	27	27	Brit.	Anglo-Saxon Pet. Co.	Curacao, N.W.I.	Los Angeles, Cal.	Ballast	
J-71 ⁵			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Douro	27		Neth.	W. I. Scheepv. Maat.	Belize, Br. Hond.	Balboa, C. Z.	Drydocking	
Columbian	27	28	Amer.	Amer.-Hawaiian Line	Baltimore, Md.	Seattle, Wash.	General	3,527
Californian ²	27	28	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	2,853
Lancaster	27	28	Amer.	Weyerhaeuser S.S. Co.	New York, N. Y.	Tacoma, Wash.	General	3,840
Knoxville City	28	28	Amer.	Isthmian S. S. Lines	Portland, Me.	Seattle, Wash.	Steel, gen.	4,222
Lily	28	28	Greek	Michalos, Inc.	New York, N. Y.	Moji, Japan	Scrap iron	7,496
Nuevo Panama ²	27	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm'les, R.P.	General	240
Svealand ²	29	29	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Scottish Heather ¹	29	29	Brit.	Standard Oil of N. J.	Aruba, N. W. I.	San Antonio, Chile	Fuel oil	9,961
Anglo Peruvian	29	29	Brit.	Seaboard Ship. Co.	S. Shields, Eng.	Vancouver, B. C.	Ballast	
Maui	29	29	Amer.	Baltimore Mail Co.	New York, N. Y.	S. Francisco, Cal.	General	2,596
Rialto ²	28	29	Ital.	Italian Line	Trieste, Italy	Vancouver, B. C.	General	829
San Anselmo	28	29	Amer.	Quaker Line	Philadelphia, Pa.	Portland, Oreg.	General	3,172
Bogota ²	26	29	Ger.	North German Lloyd	Cristobal, C. Z.	Guayaquil, Ecua.	General	483
Col. Riche ⁵	25		Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow, barge	
Porto Bello ³	29	29	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Colon ²	28		Pan.	D. Campodonico	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Martin Bakke ²	29	30	Nor.	Intercean S.S. Corp.	Belfast, Ireland	Vancouver, B. C.	Ballast	
Margaret Johnson	29	30	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B. C.	(17)	5,610
Mussolini ²	29	30	Pan.	D. Campodonico	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Norman Monarch	29	30	Brit.	Polaris S. S. Co.	New York, N. Y.	Yawata, Japan	Scrap iron	7,800
Korana	30	30	J-Slav	Chile Nit. Sales Corp.	Alexandria, Egypt	Iquique, Chile	Ballast	
Hollywood	30	30	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	General	4,254
Acajutla	23	30	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champico, Guat.	General	949
Maranon	29	30	Peru.	Peruvian Line	Iquitos, Peru	Callao, Peru	Lumber, gen.	1,875
Tony ⁵			Pan.	Robert Wilcox	Cristobal, C. Z.	Gatun, C. Z.	(18)	
Orazio ²	30	31	Ital.	Italian Line	Genoa, Italy	Valparaiso, Chile	General	662
Armada ²	30	31	Brit.	Australind Co.	Philadelphia, Pa.	Adelaide, Aust'lia	General	5,132
Ferncliff ²	31	31	Nor.	Chile Nit. Sales Corp.	Charleston, S. C.	Tocopilla, Chile	Ballast	
Tyr.	31	31	Nor.	Seaboard Ship. Co.	Habana, Cuba	Los Angeles, Cal.	Ballast	
Santore	31	31	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Silverwalnut ²	31	31	Brit.	Kerr S. S. Line	Boston, Mass.	Singapore, St. Set.	General	3,882
Hardanger	31	31	Nor.	Westfal, Larsen & Co.	Buenos Aires, Arg.	Vancouver, B. C.	General	4,693
Texan	31	31	Amer.	Amer.-Hawaiian Line	New York, N. Y.	Portland, Oreg.	General	1,850
Orduna	30	31	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile	General	2,680
Ebba ²	31		Pan.	P. S. List	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Sona ²	30		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁵ Launch. ⁷ Submarine. ⁹ Destroyer. ¹³ Gunboat. ¹⁴ For bananas and return to Cristobal. ¹⁵ Oil, iron, cotton. ¹⁶ Scrap iron, general, etc. ¹⁷ General, paper, cement. ¹⁸ Towing yacht Rolling Stone from Gatun.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Real ²	30		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Philadelphia ¹²	31		Amer.	U. S. Navy	Norfolk, Va.	Los Angeles, Cal.	Ballast	
Honolulu ¹²	31		Amer.	U. S. Navy	Norfolk, Va.	Los Angeles, Cal.	Ballast	
Santa Isabel ²	31	1	Nic.	Francisco McRea	Pto. Cabezas, Nic.	Corinto, Nic.	Old iron	40
Savannah ¹²	31		Amer.	U. S. Navy	Norfolk, Va.	Los Angeles, Cal.	Ballast	
Leipzig ²	30	1	Ger.	North German Lloyd	Hamburg, Ger.	Corral, Chile	General	2,849
Damsterdijk ²	31	1	Neth.	Holland-Amer. Line	Rotterdam, Neth.	Portland, Oreg.	General	4,554
Ashworth	31	1	Brit.	R. S. Dalgliesh	Newcastle, Eng.	Los Angeles, Cal.	Ballast	
K. R. Kingsbury	31	1	Amer.	Standard Oil of Calif.	Baltimore, Md.	S. Francisco, Cal.	Ballast	
Sawoka	1	1	Amer.	Roosevelt S. S. Co.	New York, N. Y.	Shanghai, China	General	6,834
Steelworker	1	1	Amer.	Isthmian S. S. Lines	Mobile, Ala.	Los Angeles, Cal.	(¹⁴)	8,643
Breda	31	2	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	2,943
Cathwood ¹	1	1	Amer.	Union Oil of Calif.	Savannah, Ga.	Los Angeles, Cal.	Ballast	
Hoxbar ¹	1	1	Amer.	Shell Oil Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
Frank ³	1	1	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹³		20
Slesvig ²	1	2	Dan.	Isbrandtsen Moller	New York, N. Y.	Manila, P. I.	General	2,500
Lena Luckenbach	1	2	Amer.	Luckenbach-Gulf Co.	Tampa, Fla.	Tacoma, Wash.	General	5,801
Swiftscout ¹	2	2	Amer.	Shell-Union Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Nardana	2	2	Brit.	Br. India Stm. Nav. Co.	New York, N. Y.	Sydney, Aust. lia.	General	3,856
Satarta	2	2	Amer.	Pac. N. W. Oriental	Baltimore, Md.	Seattle, Wash.	Ballast	
Buenos Aires ²	2	2	Swed.	Johnson Line	Limhamn, Swed.	Valparaiso, Chile.	Cement, gen.	1,360
Oremar	2	2	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	4,039
Mosli ²	31	2	Nor.	Petroleos Mexicanos.	Tampico, Mexico	Guaymas, Mexico	Gasoline, etc.	11,872
Aegens	2	2	Greek	Pateras Bros.	Providence, R. I.	Yokohama, Japan	Scrap iron	7,210
Horace Luckenbach	2	2	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	General	4,266
Colombia ²	1	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	520
Ino ²	1	3	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	30
H. D. Collier ¹	2	3	Amer.	Standard Oil of Calif.	Bordeaux, France	Los Angeles, Cal.	Ballast	
Silvaplana ²	2	3	Nor.	Tschudi & Eitzen	Philadelphia, Pa.	Kobe, Japan	(¹⁵)	8,566
Ewa	3	3	Amer.	Matson Nav. Co.	Baltimore, Md.	Honolulu, T. H.	General	1,112
Cerigo	2	3	Ger.	Hamburg-Amer. Line	Manauera, Colomb.	Guayaquil, Ecu.	Salt, beer	875
Douro ²	2	3	Neth.	W. I. Scheep V. Maat	Cristobal, C. Z.	B'ventura, Col.	General	63
Iowan	2	3	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Seattle, Wash.	General	3,217
Knute Nelson ²	2	3	Nor.	Fred Olsen Line	Oslo, Norway	Vancouver, B. C.	General	5,535
Tejon ¹	3	3	Amer.	Gen. Petroleum Corp.	Paulsboro, N. J.	Los Angeles, Cal.	Ballast	
Heranger ²	3	4	Nor.	Intercean S. S. Line	Rotterdam, Neth.	Vancouver, B. C.	Ballast	
Clio ²	3	3	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Balboa, C. Z.	Drydocking	
City of Los Angeles	4	4	Amer.	U. S. Lines	New York, N. Y.	S. Francisco, Cal.	General	3,012
San Clemente	3	4	Amer.	Quaker Line	New York, N. Y.	Portland, Oreg.	General	2,933
W. S. Rheem ¹	3	4	Amer.	Standard Oil of Calif.	Bayonne, N. J.	Los Angeles, Cal.	Ballast	
Quito ²	3	4	Ger.	North German Lloyd	Cristobal, C. Z.	Balboa, C. Z.	Drydocking	
Hulda Maersk ²	3	4	Dan.	A. P. Moller	Boston, Mass.	Iloilo, P. I.	Gen., benzol	6,170
Huzikawa Maru ²	3	4	Jap.	Mitsui Bussan Kaisha	Baltimore, Md.	Moji, Japan	Gas., steel	8,113
West Ira	3	4	Amer.	McCormick S. S. Co.	Buenos Aires, Arg.	Vancouver, B. C.	General	6,940
S. C. T. Dodd ¹	4	4	Amer.	Standard Oil of Calif.	Claymont, Del.	Los Angeles, Cal.	Ballast	
Tresilian	3	4	Brit.	Mont.-Aust.-N. Z. Line	Three Riv., Can.	Sydney, Aust. lia.	Newsprint	4,756
Nuevo Panama ²	3	4	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pto. Arm. lles, R. P.	General	105
Chincha	4	4	Amer.	Isthmian S. S. Lines	New York, N. Y.	Seattle, Wash.	General	3,926
Santa Rita ²	4	5	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile.	General	2,143
Kiyokawa Maru ²	4	5	Jap.	Kawasaki K. Kaisha	New Orleans, La.	Kobe, Japan	(¹⁶)	8,482
Sangstad ²	4	5	Nor.	Fern Line	Baltimore, Md.	Nagoya, Japan	Scrap iron	7,202
Chelsea	4	5	Brit.	Chile Nit. Sales Corp.	Alexandria, Egypt	Valparaiso, Chile.	Cotton seed	4,834
Elwood ¹	4	5	Amer.	Shell Oil Co.	Boston, Mass.	Los Angeles, Cal.	Ballast	
Inverbank ²	4	5	Brit.	Bank Line, Ltd.	Tampico Mexico	Adelaide, Aust.	Asphalt, gen.	7,864
Hanley	5	5	Amer.	Weyerhaeuser S. S. Co.	New York, N. Y.	Seattle, Wash.	General	3,253
Lebore	5	5	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Mayari	5	5	Pan.	United Fruit Co.	Newp't News, Va.	Puntarenas, C. R.	(¹⁷)	3,181
Pacific President ²	5	5	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General	586
Kaipaki ²	5	6	Brit.	Trinder Anderson Co.	Montreal, Canada	Adelaide, Aust.	General	6,400
Porto Bello ³	5	5	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Helene Kulukundis	5	6	Greek	Hasegawa Boeki K.	Philadelphia, Pa.	Kobe, Japan	Scrap iron	9,109
Wind Rush	5	6	Amer.	Shepard S. S. Co.	Boston, Mass.	Tacoma, Wash.	General	4,485
President de Vogue ^{1, 2}	6	6	Nor.	Cie des Prod. Chem. et Raff.	Rotterdam, Neth.	Talara, Peru	Ballast	
Mussolini ²	5	6	Pan.	Enrique Obbarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Point Lobos	6	6	Amer.	Swayne & Hoyt	Houston, Tex.	Seattle, Wash.	General	5,022
Jumna	6	6	Brit.	Mitsubishi Shoji K.	New Orleans, La.	Dairen, China	(¹⁸)	8,260
Swiftarrow ¹	6	6	Amer.	Shell Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Trois Ilets	6	6	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General	74
Donau	6	7	Ger.	North German Lloyd	Bremerhaven, Ger	Vancouver, B. C.	Ballast	
Loriga ²	6	7	Brit.	Pacific Steam Nav. Co.	Hull, England	Talechano, Chile	Coal, gen.	1,806
Tongariro	6	7	Brit.	N. Z. Shipping Co.	Newport, Eng.	N. Plymouth, N. Z.	General	9,675
Hokuroku Maru ²	6	7	Jap.	Osaka Syosen Kaisha	Boston, Mass.	Kobe, Japan	Gen., metal	8,017
Prince Rupert City	6	7	Brit.	Mitsubishi Line	Pensacola, Fla.	Osaka, Japan	Scrap metal	7,832
King Gruffyd	7	7	Brit.	Seaboard Ship. Co.	So. Shields, Eng.	S. Francisco, Cal.	Ballast	

¹ Tanker. ² Motor ship. ³ Motor schooner. ¹² Cruiser. ¹³ For bananas and return to Cristobal. ¹⁴ Steel, tinplates. ¹⁵ Scrap iron, steel. ¹⁶ Scrap steel, oil, etc. ¹⁷ Railroad ties and material. ¹⁸ Scrap iron, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Eknaren ²	7	7	Swed.	Montreal-Aust. Line.	Three Riv., Can.	Sydney, Aust.	Paper	4,986
Virginian	7	7	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Portland, Oreg.	General	1,700
Temple Mead	7	7	Brit.	Chile Nit. Sales Corp.	Cardiff, Wales	Ant'fagasta, Chile	Coke, coal	6,912
Occidental ¹	7	7	Amer.	The Texas Co.	Pt. Arthur, Tex.	Los Angeles, Cal.	Lub. oil	9,230
Oakland ²	5	7	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Vancouver, B. C.	General	7,198
Seakay ¹	7	7	Amer.	Shell Oil Co.	Baltimore, Md.	Los Angeles, Cal.	Ballast	
John Cabot	1	8	Brit.	Grace Line	Cristobal, C. Z.	Champ'ico, Guat.	General	1,336
Holystone	7	7	Brit.	Northumbrian Ship.	Cardiff, Wales	Portland, Oreg.	Ballast	
Sambu ²	6		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Republic ⁸	7	9	Amer.	U. S. Army	New York, N. Y.	Honolulu, T. H.	General	1,536
Mostun ²	7	8	Nor.	Neptune Ship. Co.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Bethore	7	8	Amer.	Ore Steamship Co.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Sacramento Valley	8	8	Brit.	Mitsubishi Shoji K.	Albany, N. Y.	Osaka, Japan	Scrap iron	7,506
Berganger ²	7	8	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Los Angeles, Cal.	Ballast	
Nissin Maru ²	8	8	Jap.	Mitsubishi Line.	Rotterdam, Neth.	Yokohama, Jap.	Ballast	
Santa Lucia	8	9	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General	3,109
Rangitiki ²	8	9	Brit.	N. Z. Shipping Co.	London, England	Auckland, N. Z.	General	6,220
K. I. Luckenbach	9	9	Amer.	Luckenbach Line	New York, N. Y.	Seattle, Wash.	General	2,557
Satanella ⁶	7		Brit.	E. M. McCausland	S'ampton, Eng.	Tahiti	Ballast	
President Monroe	9	9	Amer.	Amer. President Lines	Boston, Mass.	Round the world.	General	3,267
El Oso ¹	9	9	Brit.	C. T. Bowring & Co.	Curacao, N.W.I.	Guayaquil, Ecu.	Fuel oil	8,500
Cimarron ¹	4		Amer.	U. S. Navy	Houston, Tex.	San Diego, Cal.	Ballast	
Brooklyn ¹²	9	9	Amer.	U. S. Navy	Norfolk, Va.	Los Angeles, Cal.	Ballast	
Baldhill ¹	9	9	Amer.	Shell Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Atlantic ^{1, 2}	9	9	Nor.	Standard Oil of N. J.	Aruba, N.W.I.	Iquique, Chile	Fuel oil	10,573
Coloradan	9		Amer.	Amer.-Hawaiian Line.	Baltimore, Md.	Seattle, Wash.	General	4,605
Telde	8	9	Hond.	United Fruit Co.	New Orleans, La.	La Union, Salv.	General	1,428
Paragon ⁶	9		Amer.	Bartholomew Oil	Miami, Fla.	Los Angeles, Cal.	Ballast	
Colombia ²	9		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	570
Roda ²	9	10	Ger.	Hamburg-Amer. Line.	Hamburg, Ger.	Valparaiso, Chile	General	4,779
Sylvan Arrow ¹	9	11	Amer.	Shell Oil Co.	Curacao, N.W.I.	Los Angeles, Cal.	Fuel oil	12,875
Willmott ²	9	10	Amer.	Arrow Line	Baltimore, Md.	Tacoma, Wash.	General	5,119
Frida	9	10	Dan.	West Coast Line	Baltimore, Md.	Talcahuano, Chile	General	2,252
Tai Ping ²	9	10	Nor.	Barber Wilhelmsen.	New York, N. Y.	Osaka, Japan.	(¹³)	7,019
Margrethe Bakke ²	9	10	Nor.	Knutson Line	Gavle, Sweden.	Portland, Oreg.	General	7,113
Pennsylvanian	10	10	Amer.	Amer.-Hawaiian Line.	Boston, Mass.	Seattle, Wash.	General	2,093
Calmar	10	10	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,218
Marore	10	10	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Royal Crown	10	10	Brit.	Chile Nit. Sales Corp.	Barry, England	Iquique, Chile	Ballast	
Nero ²	8	10	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecu.	General	312
Steel Mariner	10	10	Amer.	Isthmian S. S. Lines	New York, N. Y.	Seattle, Wash.	General	3,171
Leticia ³	10		Pan.	A. Tagaropolos	Cristobal, C. Z.	Balboa, C. Z.	Ballast	

PACIFIC TO ATLANTIC

Australian Reefer ²	10	11	Dan.	J. Lauritzen	Los Angeles, Cal.	Liverpool, Eng.	Fresh fruit	2,031
Oregon Express ²	10	11	Nor.	Fruit Express Line	Los Angeles, Cal.	Glasgow, Scot.	Fresh fruit	1,800
Pacific Ranger ²	10	11	Brit.	Furness, Withy & Co.	Victoria, B. C.	Manchester, Eng.	General	8,453
Port Halifax ²	11	11	Brit.	M. A. N. Z. Line	Auckland, N. Z.	Montreal, Canada	General	4,708
Nero ²	11	13	Neth.	Royal Neth. S. S. Co.	Tumaco, Colom.	Cristobal, C. Z.	Coffee, hides	330
Frida	11	11	Dan.	West Coast Line	Valparaiso, Chile	New York, N. Y.	Nitrate, gen.	2,649
Loretto ²	11	11	Brit.	Pacific Steam Nav. Co.	Coronel, Chile	Hull, England	General	8,319
Tuscaloosa City	11	11	Amer.	Isthmian S. S. Lines	Portland, Oreg.	Avonmouth, Eng.	Grain, gen.	8,198
Quito ²	11	13	Ger.	North German Lloyd	Guayaquil, Ecu.	Cristobal, C. Z.	(¹⁴)	1,203
Lillian Luckenbach.	11	11	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	8,020
Santore	11	11	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,500
Svealand ²	11	12	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,300
Aldington Court ²	11	12	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Montreal, Canada	Lumber, gen.	7,556
Vakyrie ^{2, 6}	4	29	Brit.	Ethel Zora Hanner	Victoria, B. C.	Kingston, Jam.	Ballast	
Colombia ²	11	13	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	729
Orotava	11	13	Hond.	United Fruit Co.	Corinto, Nic.	New Orleans, La.	(¹⁵)	698
Douro ²	12	15	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecu.	Cristobal, C. Z.	(¹⁶)	544
Santa Isabel ²	12	13	Nic.	Bernabe Guerrero	Corinto, Nic.	Bluefields, Nic.	Sugar	35
American Oriole	12	12	Amer.	Amer.-Foreign Corp.	Olympia, Wash.	New York, N. Y.	Lumber	7,457
Hunter Liggett ³	11	13	Amer.	U. S. Army	S. Francisco, Cal.	New York, N. Y.	General	686
Canada ²	12	12	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den.	General	10,224
Porto Bello ²	12	12	Pan.	A. Tagaropolos	Darien, R. P.	Colon, R. P.	(¹⁷)	6
Maul	12	13	Amer.	Baltimore Mail Co.	Los Angeles, Cal.	Baltimore, Md.	Sugar, gen.	4,372
Balboa ²	13	13	Swed.	Johnson Line	Honolulu, T. H.	Stockholm, Swed.	General	9,175
Trois Ilets	13	15	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	71
Nuevo Panama ²	13	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	85
Ferncliff ²	13	13	Nor.	Fearnley & Eger	Tocopilla, Chile	Charleston, S. C.	Nitrate	7,680
Ohioan	13	13	Amer.	Amer.-Hawaiian Line.	Los Angeles, Cal.	Ponce, Pto. Rico.	General	6,067
Mathew Luckenbach.	13	13	Amer.	Luckenbach Line	Portland, Oreg.	Tampa, Fla.	General	4,659

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁶ Yacht. ⁸ Transport. ¹² Cruiser. ¹³ General, scrap iron.
¹⁴ Coffee, wood, hides. ¹⁵ Coffee, bananas. ¹⁶ Cocoa, coffee, timber. ¹⁷ Plantains, lumber.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Texas	13	13	Amer.	Calif.-Eastern Line	Portland, Oreg.	Philadelphia, Pa.	(13)	5,196
Pennsylvania	13	13	Amer.	Weyerhaeuser S. S. Co.	Everett, Wash.	Norfolk, Va.	(14)	5,485
Sambu ²	12	14	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	53
Wearpool ²	13	14	Brit.	Sir R. Ropner & Co.	Pt. Tashis, B. C.	Hull, England	Grain, lum.	8,760
Temple Yard	13	14	Brit.	Temple S. S. Co.	Vancouver, B. C.	London, England	Lumber, gen.	8,590
West Cape	13	14	Amer.	McCormick S. S. Co.	Eureka, Calif.	Philadelphia, Pa.	Lumber, gen.	6,688
Moshi ^{1 2}	6	14	Nor.	Mosvolds Rederi	Guaymas, Mex.	Tampico, Mexico	Ballast	
Minnesota	14	14	Amer.	Amer.-Hawaiian Line	Seattle, Wash.	Boston, Mass.	General	6,082
Trekieve	14	14	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Manchester, Eng.	Wheat, lum.	7,736
Brimanger ²	14	14	Nor.	Interocean S. S. Corp.	Seattle, Wash.	Rotterdam, Neth.	General	7,448
Nordvest ²	14	15	Dan.	Kawasaki K. Kaisya	Saigon, China	Texas City, Tex.	General	7,628
West Ivis	12	15	Amer.	McCormick S. S. Co.	Vancouver, B. C.	Buenos Aires, Arg.	(15)	4,301
Mussolini ²	15	16	Pan.	D. Campodonico	Darien, R. P.	Cristobal, C. Z.	Bananas	80
K. R. Kingsbury ¹	15	16	Amer.	Standard Oil of Calif.	S. Francisco, Cal.	Baltimore, Md.	Asphalt	11,180
Kiyosumi Maru ²	14	16	Jap.	Kokusai K. Kaisya	Manila, P. I.	Galveston, Tex.	(16)	8,702
Sofie Bakke ²	14	15	Nor.	Knut Knutsen, O.A.S.	Vancouver, B. C.	Belfast, Ireland	General	7,804
Friedrich Bremel ¹	15	15	Ger.	W. Tankschiff Rhed'i	Talara, Peru	Rotterdam, Neth.	(17)	14,263
Santa Rita ²	15	16	Amer.	Grace Line	Chnanar, Chile	New York, N. Y.	(18)	3,050
Thrush ⁴	16		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Baldbutte ¹	15	16	Amer.	Shell Oil Co.	S. Francisco, Cal.	Sewaren, N. J.	Gasoline	8,726
Monkleigh	16	16	Brit.	W. J. Tatem, Ltd.	Pt. Alberni, B. C.	London, England	Wheat, lum.	9,150
Cubano	16	16	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile	Norfolk, Va.	Nitrate	8,160
Tairoa	16	16	Brit.	Shaw, Savill & Albion	Nelson, N. Z.	Glasgow, Scot.	Frozen, gen.	6,851
City of Los Angeles	16	17	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	4,737
Minerva ²	16	17	Nor.	Chile Nit. Sales Corp.	Iquique, Chile	Mobile, Ala.	Nitrate	9,425
Frankfurt	17	18	Ger.	North German Lloyd	Sydney, N. Z.	Hamburg, Ger.	General	6,693
Trefusis	17	17	Brit.	Hain S. S. Co.	Pt. Alberni, B. C.	Garston, England	Wheat, lum.	7,274
Krossfonn ^{1 2}	17	17	Nor.	Sigval Bergesen	Lobitos, Peru	Antwerp, Belgium	Crude oil	13,524
Yamazato Maru ²	18	18	Jap.	Yamashita S. S. Co.	Manila, P. I.	Buenos Aires, Arg.	General	7,583
Montanan	17	17	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	Lumber, gen.	6,052
Sedgpool	17	17	Brit.	Pool Shipping Co.	Portland, Oreg.	Belfast, Ireland	Wheat	8,337
Chateau Thierry ⁸	15	17	Amer.	U. S. Army	Balboa, C. Z.	Brooklyn, N. Y.	General	4,400
Patria	17	18	Ger.	Hamburg-Amer. Line	Valparaiso, Chile	Hamburg, Ger.	General	4,690
Dinteldijk ²	17	18	Neth.	Holland-Amer. Line	Victoria, B. C.	Rotterdam, Neth.	Wheat, gen.	10,818
W. S. Rheem ¹	17	17	Amer.	Standard Oil of Calif.	Los Angeles, Cal.	New York, N. Y.	Fuel oil	14,780
Pereira	17	23	Pan.	Grace Line	Champico, Guat.	Cristobal, C. Z.	General	1,084
Colombia ²	17	20	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	(19)	580
Trenton ¹²	15	18	Amer.	U. S. Navy	San Diego, Calif.	Norfolk, Va.		
S. C. T. Dodd ¹	18	18	Amer.	Standard Oil of Calif.	El Segundo, Calif.	Philadelphia, Pa.	Gasoline	9,098
Fordsdale	18	18	Brit.	Shaw, Savill & Albion	Lyttleton, N. Z.	Glasgow, Scot.	Frozen, gen.	5,328
Lewis Luckenbach	18	18	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	9,105
Robert F. Hand ^{1 2}	18	19	Brit.	Anglo-Amer. Oil Co.	S. Francisco, Cal.	Aruba, N. W. I.	Gasoline	15,337
President Herrenschmidt ^{1 2}	18	18	Nor.	Sigval Bergesen	La Libertad, Ecua.	Donges, France	Crude oil	13,301
Cathwood ¹	18	18	Amer.	Union Oil of Calif.	Pt. San Luis, Calif.	Savannah, Ga.	Crude oil	9,359
Lebore	19	19	Amer.	Ore S. S. Corp.	Cruz Gr de, Chile	Baltimore, Md.	Iron ore	21,800
Reina del Pacifico ²	19	19	Brit.	Pacific Steam Nav. Co.	San Antonio, Chile	Liverpool, Eng.	(20)	5,757
Leme ²	18	20	Ital.	Italian Line	Vancouver, B. C.	Trieste, Italy	General	8,415
Clio ²	18	20	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	(21)	542
Cerigo	19	20	Ger.	Hamburg-Amer. Line	Guayaquil, Ecua.	Cristobal, C. Z.	(22)	943
Rhakotis ²	19	20	Ger.	Hamburg-Amer. Line	Talcahuano, Chile	Hamburg, Ger.	General	7,464
Porto Bello ²	19	19	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	Fruit, lumber	7
Baarn	19	21	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	7,885
Ino ²	19	21	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	503
Ulm ²	19	20	Ger.	North German Lloyd	Los Angeles, Cal.	Hamburg, Ger.	Fresh fruit	1,578
Marija Petrinovic	19	20	J-Slav.	Chile Nit. Sales Corp.	Iquique, Chile	Azores ²³	Nitrate	8,260
Imperial Star ²	19	20	Brit.	Blue Star Line	Auckland, N. Z.	London, England	Frozen, gen.	7,285
Laila	20	20	Dan.	Wessel, Duval & Co.	San Antonio, Chile	New York, N. Y.	Nitrate, gen.	2,652
Portland ²	20	21	Ger.	Hamburg-Amer. Line	Vancouver, B. C.	Hamburg, Ger.	General	7,362
Columbia ²	20	20	Dan.	Canadian Transp. Co.	N. West'er, B. C.	London, England	(24)	8,777
Nagara Maru ²	20	21	Jap.	Nippon Yusen Kaisya	Keelung, Japan	Baltimore, Md.	(25)	6,550
Nagarmy ²	20	20	Brit.	Canadian Transp. Co.	Britannia, B. C.	Dunkerque, Fr.	(26)	8,800
Izgle	19	20	J-Slav.	Chile Nit. Sales Corp.	Iquique, Chile	Azores ²³	Nitrate	7,200
Michael L. Embiricos	20	20	Greek	S. G. Embiricos	Portland, Oreg.	Cobb, Ireland ²³	Wheat	7,740
Tuira ²	20	21	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	45
Sambu ²	20	21	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Ammon	20	21	Ger.	Hamburg-Amer. Line	Pto. Montt, Chile	Hamburg, Ger.	General	6,949
Cornewall	20	21	Brit.	Federal Steam Nav. Co.	Dunedin, N. Z.	Glasgow, Scot.	Frozen, gen.	5,984
Point Caleta	20	21	Amer.	Swayne & Hoyt	Seattle, Wash.	Corpus Ch'i, Tex.	Lumber, gen.	6,155
Moldanger ²	20	21	Nor.	Interocean S. S. Corp.	Seattle, Wash.	Montreal, Neth.	Grain, gen.	8,330
Nailsea Manor	20	21	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Rotterdam, Neth.	(25)	7,299
El Aleto ^{1 2}	20	21	Brit.	C. T. Bowring & Co.	Cabo Blanco, Peru	Pt. de Boue, Fla.	Crude oil	16,247
Point Clear	21	21	Amer.	Swayne & Hoyt	Seattle, Wash.	Panama City, Fla.	General	5,530
Alkmaar	21	21	Neth.	Royal Neth. S. S. Co.	Corral, Chile	Hamburg, Ger.	General	9,829

¹ Tanker. ² Motor ship. ³ Tug. ⁴ Transport. ⁵ Cruiser. ⁶ Lumber, flour, general. ⁷ Lumber, paper pulp. ⁸ Lumber, rice, general. ⁹ Sugar, silk, general. ¹⁰ Petroleum products. ¹¹ Copper, bananas, general. ¹² Coffee, hardware. ¹³ Copper, gold, general. ¹⁴ Cocoa, wood, coffee. ¹⁵ Cocoa, hides, coffee. ¹⁶ For orders. ¹⁷ Wheat, lumber, zinc. ¹⁸ Sugar, Perilla oil, general. ¹⁹ Lumber, iron pyrites. ²⁰ Lumber, canned salmon.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Clióna ¹ 2	21	21	Brit.	Anglo-Saxon Pet. Co.	Los Angeles, Cal.	Curacao, N. W. I.	Kerosene	12,381
Bronnyon ²	21	21	Nor.	Anglo-Can. S. S. Co.	Victoria, B. C.	London, England	(16)	8,022
Colon ²	21	22	Pan.	Enrique Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	37
Bethore	22	22	Amer.	Ore S. S. Corp.	Cruz Gr de, Chile	Baltimore, Md.	Iron ore	21,500
Lebec ¹	21	22	Amer.	Shell Oil of N. Y.	Los Angeles, Cal.	Fall River, Mass.	Fuel oil	10,012
Mussolini ²	21	23	Pan.	Enrique Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	90
Kupa	22	23	J-Slav.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Azores ¹⁴	Nitrate	7,750
El Grillo ¹	22	23	Brit.	C. T. Bowring & Co.	Cabo Bl'co, Peru.	Ellesmere, Eng.	Crude oil	10,250
Sterneborg ²	22	23	Dan.	C. K. Hansen	N. Westm'r B. C.	Philadelphia, Pa.	Lumber	7,425
Mexican	22	23	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	6,361
Maine	22	23	Amer.	Calif. Eastern Line.	Portland, Oreg.	Philadelphia, Pa.	General	8,110
Montgomery City	22	23	Amer.	Isthmian S. S. Lines.	Makukona, T. H.	New York, N. Y.	Sugar, pines.	8,323
Eastern Guide.	22	23	Amer.	Turner Lumber Co.	So. Bend, Wash.	Irrington, N. Y.	Lumber	5,471
Sammanger	22	23	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Pensacola, Fla.	Nitrate	7,050
Gretavale	23	23	Brit.	Chile Nit. Sales Corp.	Antofagasta, Chile	Azores ¹⁴	Nitrate	7,336
Pacific Reliance ²	23	23	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General	5,396
Kansan	23	23	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	Lumber, gen.	6,350
Trois Ilets	23	24	Fr.	French Line	Esmeraldas, Equa	Cristobal, C. Z.	(17)	215
Acacia ¹³	23	24	Amer.	U. S. Lighthouse Serv.	Balboa, C. Z.	San Juan, P. R.		
Jutland	23	23	Brit.	Seaboard Ship. Co.	Victoria, B. C.	London, England	Grain, lum.	9,500
Arimasan Maru ²	23	23	Jap.	Mitsui Senpakubu	Manila, P. I.	New York, N. Y.	General	7,030
Saint Gobain ¹ 2	23	23	Swed.	Raffineries de Berre.	Talara, Peru	Pt. de Boue, Fr.	Crude oil	14,758
Mosfrui ²	23	23	Nor.	M. Mosvold, Farsund	Los Angeles, Cal.	Rotterdam, Neth.	Fresh fruit	1,363
City of San Francisco	23	24	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General	4,482
Real ²	23	24	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	18
Sons ²	23	24	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	25
Acajutla	23	30	Brit.	Pacific Steam Nav. Co.	Champ'ly, Guat.	Cristobal, C. Z.	Coffee, wood	947
Virgilio ²	23	25	Ital.	Italian Line	Valparaiso, Chile.	Genoa, Italy	General	2,862
Moorby ²	23	24	Brit.	Ropner Shipping Co.	N. Westm'r B. C.	Cardiff, Wales	Grain, lum.	8,553
Lihue	24	24	Amer.	Matson Nav. Co.	Hilo, T. H.	Baltimore, Md.	(18)	8,606
Mobile City	24	24	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Mobile, Ala.	(19)	857
Maravi	24	24	Pan.	United Fruit Co.	Puntarenas, C. R.	Boston, Mass.	Ballast	
Alabaman	24	24	Amer.	Amer.-Hawaiian Line.	Los Angeles, Cal.	Boston, Mass.	Lumber, gen.	6,456
Marore	24	25	Amer.	Ore S. S. Corp.	Cruz Gr de, Chile	Baltimore, Md.	Iron ore	22,500
Rangitane ²	24	25	Brit.	N. Z. Shipping Co.	Wellington, N. Z.	London, England	Frozen, gen.	6,091
Vermar	24	25	Amer.	Calmar Line	Astoria, Oreg.	Baltimore, Md.	(20)	6,900
Tai Ping Yang ²	24	26	Nor.	Barber-Wilhelmsen.	Cebu, P. I.	New York, N. Y.	General	8,261
Colombia ²	24	27	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	697
Nero ²	25	27	Neth.	Royal Neth. S. S. Co.	Guayaquil, Equa.	Cristobal, C. Z.	Cacao, gen.	373
Pomona	25	25	Amer.	Weyerhaeuser S. S. Co.	S. Francisco, Cal.	Jersey City, N. J.	(21)	9,719
Santa Lucia	25	26	Amer.	Grace Line	San Antonio, Chile	New York, N. Y.	General	4,630
Francia	25	25	Brit.	Cunard White Star.	New York, N. Y.	New York, N. Y.	Psgrs.	
Katrina Luckenbach.	25	25	Amer.	Luckenbach Line.	Los Angeles, Cal.	New Orleans, La.	General	5,243
Felix Taussig.	25	25	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	(22)	7,901
Real ²	25	26	Pan.	Elliot Ship. & Land Co.	Panama, R. P.	Cristobal, C. Z.	Steel drums.	18
Bogota ²	25	29	Ger.	North German Lloyd.	Guayaquil, Equa.	Cristobal, C. Z.	Coffee, gen.	1,087
Telde	26	26	Hond.	United Fruit Co.	Puntarenas, C. R.	New Orleans, La.	Fruit, coffee.	743
Dorothy Luckenbach.	26	26	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	General	6,467
Clio ²	26	27	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides	188
Cornish City ²	26	26	Brit.	Reardon-Smith Line.	Manila, P. I.	New Orleans, La.	Sugar	9,000
British Columbia Express. ²	26	26	Nor.	Fruit Express Line.	Los Angeles, Cal.	Glasgow, Scot.	Fresh fruit.	1,305
City of Dahlhart ²	26	26	Amer.	Roosevelt S. S. Co.	Hilo, P. I.	New York, N. Y.	Sugar, gen.	7,439
Porto Bello ²	26	26	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	Plant's pears	7
Kongo Maru ²	26	27	Jap.	Kokusai Kisen Kaisha	Manila, P. I.	New York, N. Y.	General	9,796
Athina Livanos	26	27	Greek	Chile Nit. Sales Corp.	Tocopilla, Chile.	Norfolk, Va.	Nitrate	8,900
Nuevo Panama ²	27	28	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	110
San Lucas	26	27	Amer.	Pac. Atlantic S. S. Co.	Longview, Wash.	Philadelphia, Pa.	Lumber, gen.	8,683
Kahuku	27	27	Amer.	Matson Nav. Co.	Ahukini, T. H.	New York, N. Y.	(18)	8,330
Laurits Swenson ²	27	28	Nor.	Fred Olsen & Co.	Vancouver, B. C.	Oslo, Norway.	General	8,384
Borgestad ²	27	28	Nor.	Canadian Transp. Co.	Vancouver, B. C.	B'quilla, Colom.	Lumber, gen.	6,111
Istmo	28	28	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Bahia Honda, Col.	Ballast	
Selma City	27	28	Amer.	Isthmian S. S. Lines.	Seattle, Wash.	Baltimore, Md.	General	6,646
Tropic Star ²	27	28	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Charleston, S. C.	Nitrate	8,345
Modjokerto ²	28	29	Neth.	Java-Pacific Line.	Vancouver, B. C.	Calcutta, India.	General	4,734
African Reefer ²	28	28	Dan.	J. Lauritzen	Los Angeles, Cal.	Oslo, Norway.	Fresh fruit.	1,420
Alaskan	28	28	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	6,572
Lochavon ²	28	29	Brit.	Royal Mail Lines.	Victoria, B. C.	Rotterdam, Neth.	General	8,082
Colon ²	28	29	Pan.	D. Campodonico.	Darien, R. P.	Cristobal, C. Z.	Bananas	40
Amerikaland ²	28	29	Swed.	Ore S. S. Corp.	Cruz Gr de, Chile	New York, N. Y.	Iron ore	22,300
Eridan ²	29	29	Fr.	Messageries Mar'ies.	N. Westm'r B. C.	Marseille, Fr.	General	4,692
Undaunted ⁴	27	29	Amer.	U. S. Navy.	Nome Island, Cal.	Washington, D.C.		
Steel Exporter.	29	29	Pan.	Isthmian S. S. Lines.	Pl. Allen, B. C.	New York, N. Y.	(23)	8,477
Mussolini ²	29	30	Amer.	D. Campodonico.	Darien, R. P.	Cristobal, C. Z.	Bananas	80

¹ Tanker. ² Motor ship. ³ Tug. ⁴ Lighthouse tender. ¹⁴ For orders. ¹⁶ Wheat, lumber, general. ¹⁷ Coffee, ivory nuts. ¹⁸ Sugar, pineapples, cane. ¹⁹ Lumber, canned goods. ²⁰ Lumber, pulp, plywood. ²¹ Lumber, pulp, general. ²² Lumber, sugar, general. ²³ Sugar, pineapples.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Modavia ²	29	29	Brit.	Donaldson Line.	Victoria, B. C.	Glasgow, Scotland	Wheat, gen.	5,773
Kaipara ²	29	30	Brit.	M. A. N. Z. Line.	Brisbane, N. Z.	Montreal, Canada	General.	6,977
Sirius ⁸	27	31	Amer.	U. S. Navy	San Diego, Calif.	Norfolk, Va.	Navy gen.	2,758
Hellen	30	30	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Charleston, S. C.	Nitrate.	7,700
Ward ²	30	30	Amer.	Roosevelt S. S. Co.	Sydney, Aust'lia	Montreal, Canada	General.	4,009
Massmar	30	30	Amer.	Calmar Line.	Tacoma, Wash.	Baltimore, Md.	Lum., copper	6,408
Imperial ²	30	30	Chile.	Sud Amer. de Vapores	Corral, Chile	Hamburg, Ger.	General.	5,174
Harpoon	30	30	Amer.	Shepard S. S. Co.	S. Francisco, Cal.	Boston, Mass.	Lumber, gen.	8,827
Troma ²	30	30	Nor.	Canadian Transp. Co.	Pt. Alberni, B. C.	Dunkerque, Fr.	(15)	8,793
City of Norfolk	30	31	Amer.	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	Fruit, gen.	4,489
Castor ^{1 2}	30	30	Swed.	Standard Oil Co.	La Libertad, Ecua.	Havre, France	Crude oil.	13,063
Sona ²	30	31	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	25
Real ²	30	31	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	30
Tisnaren ²	31	31	Swed.	Burne Philp S. S. Co.	Pt. Pirie, Aust.	Marseille, Fr.	(16)	8,644
Mariston	31	31	Brit.	Chile Nit. Sales Corp.	Tocopilla, Chile.	Mobile, Ala.	Nitrate	7,520
Warlabey	31	31	Brit.	Sir R. Ropner & Co.	Portland, Oreg.	Cork, Ireland	Wheat.	8,051
Santa Barbara ²	31	31	Amer.	Grace Line	Valparaiso, Chile.	New York, N. Y.	(17)	3,533
Santos ²	31	1	Swed.	Johnson Line.	Valparaiso, Chile.	Sweden	General.	6,200
Meton ¹	31	1	Amer.	Shell Oil Co.	Los Angeles, Cal.	Baltimore, Md.	Fuel oil	10,334
Hans Arp	29	1	Ger.	North German Lloyd.	Champico, Guat.	Bremen, Ger.	Logs, gen.	3,058
John Cabot	31	7	Brit.	Grace Line	Champico, Guat.	Cristobal, C. Z.	General.	1,354
Deroche ¹	30	2	Amer.	Union Oil of Calif.	Los Angeles, Cal.	Paulsboro, N. J.	Solvent	5,440
Bradburn	31	1	Brit.	Reardon Smith & Sons	Iloilo, P. I.	Galveston, Tex.	Sugar	8,000
Absarkum	31	1	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	7,458
Colombia ²	31	3	Pan.	Elliot Ship. & Land Co.	B'ventura, Cal.	Cristobal, C. Z.	Coffee, gen.	715
Tarangor ²	1	1	Nor.	Interocean S.S. Corp.	N. Westm'r, B.C.	Rotterdam, Neth.	Wheat, gen.	7,225
R. J. Hanna ¹	1	1	Amer.	United Oil of Calif.	S. Francisco, Cal.	Providence, R. I.	Asphalt.	9,902
Athelcrown ^{1 2}	1	2	Brit.	Standard Molasses Co.	Honolulu, T. H.	Liverpool, Eng.	Molasses.	17,400
Ino ²	1	3	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	(18)	291
San Pedro	1	3	Fr.	French Line.	Vancouver, B. C.	Havre, France	General.	7,220
Kongsdal ^{1 2}	1	2	Nor.	Standard Oil Co.	Talara, Peru	Aruba, N. W. I.	Gas, kerosene	14,466
Louisianan	1	2	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General.	5,735
Bradfyne	1	2	Brit.	States Marine Corp.	Iloilo, P. I.	New York, N. Y.	Sugar	8,000
Hawaiian	1	2	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	General.	6,510
Douro ²	28	3	Neth.	Royal Neth. S. S. Co.	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Quito ²	2	4	Ger.	North German Lloyd.	Guayaquil, Ecua.	Cristobal, C. Z.	Tagua, gen.	1,240
Edwin Christenson.	1	2	Amer.	Arrow Line	So. Bend, Wash.	Baltimore, Md.	Lumber.	7,497
American Robin.	1	2	Amer.	Amer.-For. S. S. Corp	Seattle, Wash.	New York, N. Y.	Lumber.	5,825
Texas Sun ^{1 2}	2	2	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	14,953
Norden ²	2	3	Dan.	Kawasaki K. Kaisha	Dairen, China	New York, N. Y.	General.	4,101
Umlerigh	2	2	Brit.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Cardiff, Wales	Grain, lum.	8,600
Petrofina ^{1 2}	2	2	Nor.	Belge de Petroles	Talara, Peru	Dunkerque, Fr.	Crude oil	14,720
Porto Bello ²	2	2	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	(19)	12
Isar.	3	3	Ger.	North German Lloyd.	Corral, Chile	Hamburg, Ger.		11,080
Clio ²	3	4	Neth.	Royal Neth. S. S. Co.	B'ventura, Cal.	Cristobal, C. Z.	(20)	282
Nuevo Panama ²	3	4	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	130
Point Ancha	3	3	Amer.	Swayne & Hoyt	Seattle, Wash.	Tampa, Fla.	Lumber, gen.	4,474
Nozima Maru ²	3	4	Jap.	Nippon Yusen Kaisha	Iloilo, P. I.	Baltimore, Md.	Sl'k, gen.	7,264
Baron Yarrowbrough	3	3	Brit.	Anglo-Cont. Guano	Sta. Rosals', Peru	London, England	Guano.	5,250
Taketoyo Maru	3	4	Jap.	Nippon Yusen Kaisha	Iloilo, P. I.	New Orleans, La.	General.	7,701
Alakama	3	6	Fr.	French Line.	Valparaiso, Chile.	Havre, France	General.	8,493
Georgian	4	4	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General.	6,920
Leticia ²	4	10	Pan.	Enrique Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	62
Winona	4	4	Amer.	Weyerhaeuser S.S.Co.	S. Francisco, Cal.	Baltimore, Md.	(21)	8,834
Nonuco ²	4	4	P. I.	North Negro Sugar	Manapla, P. I.	New York, N. Y.	(22)	8,466
Annie Johnson ²	3	5	Swed.	Johnson Line	Vancouver, B. C.	Stockholm, Swed.	(23)	6,558
Trois Islets	4	6	Fr.	French Line	B'ventura, Cal.	Cristobal, C. Z.	Coffee.	300
Rio Dorado	4	4	Brit.	Thompson S. S. Co.	Pt. Alberni, B. C.	Liverpool, Eng.	Lum., wheat	7,900
Anna Maersk ²	4	6	Dan.	Maersk Line	Manila, P. I.	Baltimore, Md.	(24)	6,872
Mussoli ²	5	6	Pan.	Enrique Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	88
Herstein ²	4	5	Nor.	Anglo-Can. S.S. Co.	Vancouver, B. C.	Hull, England	Lumber, gen.	8,324
San Rafael	5	5	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	7,201
Santa Inez ²	5	6	Amer.	Grace Line	Callao, Peru	New York, N. Y.	General.	2,444
Sandpiper ⁴	5		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Lapwing ⁴	5		Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Vincennes ¹²	3	7	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
San Francisco ¹²	4	7	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Tuscaloosa ¹²	4	7	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Quincy ¹²	4	7	Amer.	U. S. Navy	Balboa, C. Z.	Cristobal, C. Z.		
Pacific Enterprise ²	5	5	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General	8,787
Elias G. Kulukundis. ²	5	5	Greek.	Anglo-Can. S. S. Co.	Pt. Alberni, B. C.	Cardiff, Wales.	(25)	9,000
Weser ²	6	7	Ger.	Norddeutscher Lloyd.	Vancouver, B. C.	Bremen, Ger.	(26)	7,627
Salvador	6		Brit.	Pacific Steam Nav. Co.	Champico, Guat.	Cristobal, C. Z.	Bullion, gen.	612
Herman Frasch.	6	6	Amer.	Dutton Lumber Corp.	Everett, Wash.	Po'keepsie, N.Y.	Lumber	4,950
City of Baltimore	6	7	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	6,047

¹ Tanker. ² Motor ship. ⁴ Tug. ⁸ Transport. ¹² Cruiser. ¹⁵ Lumber, grain, general. ¹⁶ Lead, copra, shells. ¹⁷ Fruit, coffee, general. ¹⁸ Cocoa, wood, nuts. ¹⁹ Plantains, lumber. ²⁰ Coffee, hides, pipes. ²¹ Lumber, wood pulp, copper. ²² Sugar, coconut oil. ²³ Wheat, borax, general. ²⁴ Sugar, hemp, general. ²⁵ Lumber, wheat, general.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Sambu ²	6	7	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	59
Steele	7	7	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	21,800
Helga	6	7	Dan.	J. Lauritzen	Valparaiso, Chile	New York, N. Y.	General	2,670
Dakotan	7	7	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	General	5,081
Munchen ²	6	7	Ger.	North German Lloyd	Corral, Chile	Hamburg, Ger.	General	5,919
Sahale	7	7	Amer.	Amer.-For. S. S. Co.	Pt. Angeles, Wash	New York, N. Y.	Lumber	7,056
Segundo ²	7	7	Nor.	Canadian Gulf Line	Powell Riv., B. C.	Houston, Tex.	(14)	5,124
Queen Anne ²	7	7	Brit.	Bulk Carriers Corp.	Vancouver, B. C.	Antwerp, Belg.	(15)	8,770
Losada ²	7	9	Brit.	Pacific Steam Nav. Co.	Talcahuano, Chile	Hull, England	(16)	8,911
Colombia ²	7	9	Pan.	Elliot Ship. & Land Co.	B'ventura, Cal.	Cristobal, C. Z.	Coffee, gen.	707
Orotava	8	9	Hond.	United Fruit Co.	Corinto, Nic.	New Orleans, La.	(17)	555
Morviken ²	7	9	Nor.	Kawasaki K. Kaisya	Hilo, P. I.	New Orleans, La.	Sugar, gen.	7,963
Sandanger ^{1 2}	8	8	Nor.	Sun Oil Co.	El Segundo, Cal.	Montreal, Canada	Gasoline	14,306
City of Delhi	8	9	Brit.	Ellerman & Bucknall	Lyttelton, N. Z.	Montreal, Canada	General	2,543
Chickasaw City	8	8	Amer.	Isthmian S. S. Lines	Honolulu, T. H.	Baltimore, Md.	(18)	8,397
Agios Georgios IV	8	8	Greek	George Nicolaou, Ltd.	Vancouver, B. C.	Hull, England	Grain, lum.	8,600
Walter A. Luckenbach	8	8	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	General	7,252
Nero ²	8	10	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	(19)	353
Douro ²	8	10	Neth.	Royal Neth. S. S. Co.	Tumaco, Colomb.	Cristobal, C. Z.	(20)	347
Northumberland	8	8	Brit.	N. Z. Shipping Co.	Wellington, N.Z.	London, England	Frozen, gen.	7,134
Hokkai Maru ²	8	9	Jap.	Osaka Syosen Kaisya	Dairen, China	Antwerp, Belg.	(21)	5,973
Bonham ²	8	9	Amer.	U. S. Coast Guard	S. Francisco, Cal.	Curtis Bay, Md.		
Nemaha ²	8	9	Amer.	U. S. Coast Guard	S. Francisco, Cal.	Curtis Bay, Md.		
Asaka Maru ²	9	9	Jap.	Nippon Yusen Kaisya	Yokohama, Jap.	Hamburg, Ger.	General	7,094
Dortmund	9	9	Ger.	Hamburg-Amer. Line	Lyttelton, N. Z.	Hamburg, Ger.	Conc., wool	6,128
Brynje ²	9	9	Nor.	Canadian Transp. Co.	Port Allen, B.C.	Grangem th, Eng.	Lum., wheat	6,927
Yorkmar	9	9	Amer.	Calmar Line	Seattle, Wash.	Baltimore, Md.	(22)	6,412
Charles H. Camp	9	9	Amer.	Isthmian S. S. Lines	Seattle, Wash.	Baltimore, Md.	(23)	6,684
Falcon	9	9	Amer.	Grace Line	Callao, Peru	Baltimore, Md.	(24)	3,700
Sandhamn ²	9	9	Swed.	Seaboard Ship. Co.	Pt. Alberni, B. C.	Hull, England	Lum., grain	7,650
Durazzo	9	9	Ger.	Hamburg-Amer. Line	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	1,134
Marconi ²	9	9	Pan.	D. Campodomico	Panama, R. P.	Cipatas, Colomb.	Ballast	
Porto Bello ²	9	9	Pan.	A. Tagaropulos	Darien, R. P.	Colon, R. P.	Fruit, lum.	5
Ionis	9	9	Ger.	Hamburg-Amer. Line	Champ'ico, Guat.	Hamburg, Ger.	General	2,422
Beaconsfield	10	10	Brit.	Elliot Ship. & Land Co.	Pt. Alberni, B. C.	Garston, England	Wheat, lum.	8,323
Tosca ²	10	10	Nor.	Chile Nit. Sales Corp.	Tocopilla, Chile	Azores ¹³	Nitrate	7,490
Firmore	10	10	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,850
Miss C. B. ²	10	10	Brit.	Sanabria Mines, Ltd.	Tumaco, Colomb.	Tampa, Fla.	Passengers	
Nuevo Panama ²	10	10	Pan.	Elliot Ship. & Land Co.	Panama, R. P.	Manauare, Colomb.		
Amerika ²	10	10	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den	General	9,558
Real ²	10	10	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	30
Sona ²	10	10	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	32

¹ Tanker. ² Motor ship. ¹³ For orders. ¹⁴ Newsprint paper, shingles. ¹⁵ Wheat, pulp, lumber. ¹⁶ Copper, tin, general. ¹⁷ Coffee, wood, general. ¹⁸ Sugar, canned pineapples. ¹⁹ Cocoa, coffee, general. ²⁰ Coffee, hides, bottles. ²¹ Vegetable oil, general. ²² Lumber, wood pulp, copper. ²³ Lumber, pulp, general. ²⁴ Zinc, ore, concentrates.

Comparison of Traffic at the Suez and Panama Canals for the 12 Months Ended April 30, 1938 and 1939

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1937-38	1938-39	Increase	Decrease	1937-38	1938-39	Increase	Decrease
May	567	479		15.5	544	465		14.5
June	540	469		13.1	472	445		5.7
July	551	509		7.6	457	429		6.1
August	531	522		1.7	505	468		7.3
September	522	508		2.7	444	438		0.9
October	557	540		3.1	461	494	7.2	
November	526	495		5.9	435	505	16.1	
December	541	503		7.0	439	509	15.9	
January	544	472		13.2	444	525	18.2	
February	508	496		2.4	436	501	14.9	
March	578	536		7.3	506	553	9.3	
April	516	509		1.4	487	496	1.8	
Total	6,481	6,038		6.8	5,630	5,828	3.5	

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.

Tolls Charges for Transit of the Panama Canal

(Effective March 1, 1938)

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
 - (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.
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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.

Prices of Miscellaneous Supplies at Panama Canal Storehouses

The following are prices to individuals and companies, as of May 11, 1939:

Commodities	Unit	Price
Brass, bar, average.....	Lb.	\$0.23
Brass, sheet, average.....	Lb.	.30
Bronze, Tobin, average.....	Lb.	.22
Gasoline, motor grade.....	Gal.	.10
Metal, yellow.....	Lb.	.26
Oakum, Navy, spun.....	Lb.	.18
Oakum, Navy, unspun.....	Lb.	.18
Oil, gun and ice machine.....	Gal.	.31
Oil, engine, gas, light, in drums, No. 2135.....	Gal.	.28
Oil, engine, gas, extra heavy, in cases, No. 2250.....	Gal.	.32
Oil, engine, gas, extra heavy, in drums, No. 2250.....	Gal.	.30
Oil, kerosene, in drums.....	Gal.	.10
Oil, marine, engine.....	Gal.	.50
Paint, lead, white, dry.....	Lb.	.11
Paint, lead, white, in oil.....	Lb.	.12
Paint, zinc oxide, dry.....	Lb.	.09
Paint, zinc oxide, in oil.....	Lb.	.12
Grease, gear, chain and wire rope, lubricating.....	Lb.	.05
Grease, yellow, cup, medium.....	Lb.	.07
Grease, yellow, cup, hard.....	Lb.	.07
Soda, ash.....	Lb.	.03
Waste, cotton, colored.....	Lb.	.11
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.

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.

Dispensary Hours

Location	Week days		Sundays and holidays
	Morning	Afternoon	Morning
Ancon.....	8:00-11:00	3:00-5:00	9:00-10:00
Balboa.....	8:00-11:00	3:00-5:00	9:00-10:00
Colon.....	8:00-11:00	3:00-5:00	8:00-10:00
Gatun.....	8:00-11:00	3:00-5:00	8:30- 9:30
Gamboa.....	8:00-11:00	3:00-5:00	9:00-10:00
Pedro Miguel.....	8:00-11:00	3:00-5:00	9:00-10:00

Gorgas Hospital Out-Patient Clinic Hours

	Daily, except Sundays and holidays	
	Morning	Afternoon
Medical Clinic.....	*11:00-12:00	*2:00-4:00
Branch Medical Clinic, by appointment only (Consultations only on Saturday, 8-12 a. m.)	8:00-12:00	1:00-4:00
Allergy Clinic, by appointment only, Thursday.....		1:00-3:30
Surgical Clinic.....		2:00-3:00
Eye, Ear, Nose and Throat Clinic, white patients.....		*2:00-3:00
Eye, Ear, Nose and Throat Clinic, colored patients.....	*8:00-12:00	
X-Ray Clinic.....	8:00-12:00	1:00-4:00
Radio-Therapy Clinic.....	8:00-12:00	1:00-4:00
Hydro-Therapy Clinic.....	8:00-12:00	1:30-4:00
Silver Dental Clinic.....	8:00-12:00	1:00-4:00

* And by appointment.

Colon Hospital and Dispensary Clinic Hours

	Week days		Sundays and holidays
	Morning	Afternoon	Morning
Eye, Ear, Nose and Throat Clinic.....	10:30-12:00	*1:00-4:00	8:00-10:00
Gold Clinic.....	8:30-11:00	3:00-5:00	8:00-10:00
Silver Clinic.....	8:00-11:00	3:00-5:00	8:00-10:00
Surgical Clinic.....		1:00-4:00	
Maternity and Children's.....	8:30-11:00	3:00-5:00	
Silver Dental Clinic.....	8:00-12:00	2:00-5:00	
X-Ray.....	11:00-12:00	2:00-3:00	

* Excepting Fridays

Visiting Hours, Colon Hospital

Section and Ward	Visiting Hours
Ward A, male, white (ward and semiprivate rooms).....	Daily, 2 to 4 p. m.; 6:30 to 8 p. m.
Ward C, male and female, white (ward and private rooms) (No visitors allowed in nursery)	Daily, 2 to 4 p. m.; 6:30 to 8 p. m.
Ward B, female, colored (ward and semiprivate rooms)....	Tuesday, Thursday, Sunday, and holidays, 2 to 3:30 p. m.
Ward E, male, colored.....	Tuesday, Thursday, Sunday, and holidays, 2 to 3:30 p. m.

Visiting Hours, Corozal Hospital for the Insane

Sundays, Wednesdays, and holidays:

9 a. m. to 10:30 a. m.

1 p. m. to 3:30 p. m.

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, 7:00 a. m.; 11 a. m.; 5 p. m.; 10 p. m.

From Panama: Daily, 7:05 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.

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Volume XXXII

Balboa Heights, C. Z., July 15, 1939

No. 12

Traffic Through the Panama Canal in June 1939

The total vessels of all kinds transiting the Panama Canal during the month of June 1939, and for the same month in the two preceding years, are shown in the following tabulation:

	June 1939			June	
	Atlantic to Pacific	Pacific to Atlantic	Total	1938	1937
Ocean-going commercial traffic.....	249	230	479	445	472
Small commercial vessels ¹	40	35	75	93	79
Noncommercial vessels:					
United States Government.....	22	15	37	32	41
Panamanian Government.....				1	
Colombian Government.....		2	2		
For repairs.....	3	4	7		3
Total.....	314	286	600	571	595

¹ Vessels under 300 net tons, Panama Canal measurement.

OCEAN-GOING COMMERCIAL TRAFFIC ²

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, 1939, as compared with the fiscal year ended June 30, 1938:

Month	No. of vessels		Panama Canal net tonnage		Tons of cargo		Tolls	
	1938-9	1937-8	1938-9 ³	1937-8 ⁴	1938-9	1937-8	1938-9	1937-8
July.....	429	457	1,933,816	2,216,000	2,025,660	2,476,366	\$1,694,205.00	\$2,029,642.45
August....	468	505	2,177,699	2,402,000	2,171,674	2,780,603	1,890,050.74	2,195,308.87
September..	438	444	2,005,241	2,139,000	1,998,464	2,385,142	1,741,895.46	1,935,673.78
October....	494	461	2,276,194	2,182,000	2,359,673	2,458,788	1,977,706.76	1,981,087.87
November..	505	435	2,302,333	2,110,000	2,225,830	2,185,283	1,984,014.72	1,893,462.00
December..	509	439	2,336,011	2,070,000	2,374,395	2,046,170	2,031,017.04	1,845,048.20
January....	525	444	2,380,916	2,053,000	2,393,360	2,095,402	2,062,454.16	1,837,894.72
February...	501	436	2,282,318	1,993,000	2,206,963	1,998,827	1,996,735.66	1,786,611.45
March.....	553	506	2,586,580	32,311,526	2,664,068	2,268,548	2,252,156.28	2,015,585.34
April.....	496	487	2,278,326	32,258,836	2,472,504	2,279,255	1,999,851.16	1,961,456.58
May.....	506	465	2,341,894	32,150,228	2,538,949	2,309,171	2,053,502.16	1,886,825.66
June.....	479	445	2,268,679	32,064,793	2,437,087	2,122,389	1,977,431.94	1,801,291.78
Total....	5,903	5,524	27,170,007	25,950,383	27,866,627	27,385,924	23,661,021.08	23,169,888.70

² Ocean-going commercial traffic includes only tolls-paying vessels of 300 net tons and over, Panama Canal measurement.

³ Panama Canal net tonnage as figured under rules which became effective March 1, 1938.

⁴ Estimated tonnage under rules which became effective March 1, 1938.

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 1939. 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.....	40	2,024	\$1,643.22	448
Pacific to Atlantic.....	35	1,859	1,632.78	2,172
Total.....	75	3,883	3,276.00	2,620

Traffic by Nationality of Vessels⁵ for June 1939

Nationality	No. of transits	Panama Canal net tonnage	Tolls	Tons of cargo
British.....	98	509,325	\$449,453.52	551,215
Chilean.....	2	10,032	9,028.80	5,595
Danish.....	13	50,057	43,192.98	45,504
French.....	8	40,400	35,168.22	48,073
German.....	30	126,799	111,513.96	129,965
Greek.....	10	51,888	44,891.82	68,896
Honduran.....	4	6,486	5,837.40	3,910
Italian.....	3	17,890	16,101.00	9,063
Japanese.....	25	162,965	141,589.44	174,934
Netherlands.....	21	41,921	36,662.22	23,971
Norwegian.....	53	264,327	229,779.36	344,320
Panamanian.....	18	31,198	26,786.88	39,045
Philippine.....	1	4,805	4,324.50	8,466
Soviet.....	2	6,472	5,824.80	5,954
Swedish.....	12	50,748	42,561.18	59,357
United States.....	175	877,506	761,965.02	905,204
Yugoslav.....	4	15,860	12,750.84	13,615
Total.....	479	2,268,679	1,977,431.94	2,437,087

⁶ Tolls-paying vessels of 300 net tons or over, Panama Canal measurement.

Traffic by Trade Routes for June 1939

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.....	71	367,420	215,802	60	297,977	427,374
East coast United States and:						
Canada.....	2	9,071	2,748	2	9,251	13,424
Central America/Mexico.....	3	4,828	6,050	4	6,554	3,041
South America.....	15	67,182	14,996	16	64,326	173,839
Hawaiian Islands.....	4	19,642	14,749	2	9,350	16,794
Australasia.....	5	28,606	27,163			
Philippine Islands.....	9	47,541	45,340	20	103,248	155,449
Far East.....	22	112,222	169,209	3	16,975	20,684
East coast Canada and:						
United States.....	1	3,259		1	6,899	14,306
South America.....	1	1,789	1,982	1	4,359	7,500
Australasia.....	5	24,863	25,283	1	6,640	2,543
Philippine Islands.....	2	11,831	11,489			
Far East.....	2	10,462	16,378			
Central America/Mexico intercoastal.....	1	6,264	11,872	1	6,264	
South America intercoastal.....	4	8,983	13,854	1	452	
East coast South America and:						
United States.....	1	4,567	6,940	1	1,354	1,806
Canada.....	2	9,845	9,203	1	4,559	4,355
Balboa.....	1	6,863	12,875			
Far East.....	3	17,847	17,921	1	5,396	8,163
Cristobal and:						
Central America/Mexico.....	4	2,692	3,162	5	3,438	4,186
South America.....	14	9,032	4,660	17	11,159	10,644
West Indies and:						
United States.....	2	11,979	195	1	4,939	10,017
South America.....	4	17,424	19,073	1	7,411	14,466
Australasia.....	1	4,469	7,500			
Europe and:						
United States.....	13	72,040	7,113	5	30,508	55,622
Canada.....	22	125,377	40,291	43	217,107	337,537
Central America/Mexico.....				2	5,866	5,230
South America.....	21	111,714	50,169	25	131,755	206,125
Hawaiian Islands.....				2	14,964	31,174
Australasia.....	6	47,685	44,672	8	53,102	49,610
Far East.....	4	26,588	13,231	4	23,066	30,146
Egypt and South America.....	1	3,766	4,834			
Around the world.....	2	14,734	7,078	1	5,919	7,017
Foreign vessels in ballast (United States intercoastal).....	1	5,117				
Vessels not engaged in commerce.....				6 ¹	639	
Total.....	249	1,215,702	825,835	230	1,052,977	1,611,252

⁶ Yacht.

Origin and Destination of Cargo by Major Areas, June 1939

The following table summarizes the origin of cargo passing through the Canal in June 1939, 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.....	222,386	21,676	238,912	15,532	25,038	523,544
Other North America.....	2,453	17,520	9,502	31,816	34,908	96,189
Europe.....	26,847	19,371	8,137	41,853	44,275	140,483
Miscellaneous.....	14,777	13,956	17,820	18,659	397	65,609
Total.....	266,463	72,523	274,371	107,860	104,618	825,835

PACIFIC TO ATLANTIC

Origin	Tons of cargo destined for—				Total
	United States	Other North America	Europe	Miscellaneous	
North America:					
United States.....	415,136	39,877	161,401	8,583	624,997
Canada.....	13,424	3,714	225,077	2,393	244,608
Other North America.....	18,424	5,732	37,821		61,977
South America.....	170,763	37,767	203,954	90	412,574
Australasia.....	1,987	1,293	48,873		52,153
Asia.....	181,769	3,357	29,304	513	214,943
Total.....	801,503	91,740	706,430	11,579	1,611,252

Principal Commodities

Commodities in transit through the Canal which aggregated 10,000 or more tons either during June 1939 or June 1938 are listed below:

Commodity	June		Commodity	June	
	1939	1938		1939	1938
<i>Atlantic to Pacific</i>			<i>Pacific to Atlantic—Continued</i>		
Automobiles and parts.....	18,948	17,555	Beans, edible, dry.....	12,885	10,414
Canned food products.....	11,846	7,064	Canned food products.....	66,895	53,453
Cement.....	14,121	10,334	Coffee.....	20,078	16,838
Chemicals.....	13,914	8,069	Cold storage (food products) ⁹	22,446	52,293
Coal and coke.....	18,215	10,203	Copra.....	3,399	14,128
Cotton, raw.....	19,703	11,360	Fruit, dried.....	13,382	21,835
Iron and steel.....	121,956	111,908	Fruit, fresh ¹⁰	9,271	32,832
Machinery.....	11,586	12,139	Guano.....	10,730	
Manufactured goods ⁷	17,912	18,938	Lumber.....	333,368	225,821
Metals, various.....	18,430	34,630	Metals, various.....	56,340	60,783
Oils, mineral.....	95,082	44,164	Molasses and syrups.....	31,174	700
Ores.....	2,188	11,994	Nitrates.....	67,475	80,946
Paper.....	39,391	36,869	Oats.....	10,020	6,054
Phosphates.....	14,033	13,788	Oils, mineral.....	263,893	270,516
Railroad material.....	10,862	2,871	Oils, vegetable.....	19,410	14,575
Scrap metal.....	133,214	93,306	Ores.....	166,844	189,628
Sulphur.....	21,282	33,479	Paper.....	13,157	11,963
Textiles ⁸	12,131	7,520	Phosphates.....	13,170	7,500
Tinplate.....	26,015	25,418	Soy beans.....	12,570	13,155
<i>Pacific to Atlantic</i>			Sugar.....	169,838	136,824
Asphalt and tar.....	10,529	18,759	Wheat.....	112,288	42,198
Barley.....	15,386	28,758	Wood pulp.....	23,638	18,418
			Wool.....	16,215	20,567

⁷ Except as otherwise classified. ⁸ Cotton, silk, wool, rayon goods. ⁹ Except fresh fruit. ¹⁰ Does not include bananas.

Commodities in Detail

The following statement lists all commodities passing through the Canal during the month of June 1939, 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.....				265
Agricultural implements.....	227	139	3,180	145
Alfalfa meal.....		516		753
Ammonium compounds.....	647		5,918	1,200
Animal foods ¹¹		314		314
Apparel, wearing (hats, shoes, clothing, etc.).....	8		12	
Asbestos.....	649	91	2,172	91
Asphalt and tar.....	108	9,986	3,349	10,529
Automobiles (and autotricks).....	1,436		12,054	15
Automobile parts and accessories.....	335	4	6,894	5
Bags and bagging, textile.....	483	93	1,140	93
Bamboo and products.....				236
Bananas.....			4	1,107
Barks, miscellaneous.....		17		516
Barley.....			117	15,386
Beans, edible, dry.....		3,037	22	12,885
Beer.....	743		832	
Blood and tankage.....				67
Bones and bone meal.....		27	2,111	27
Books and printed matter.....	98		183	5
Borax.....		427	275	6,895
Bran and pollards.....		91		1,778
Bricks and tile.....	149		671	
Camphor, crude.....				91
Canned and preserved goods:				
Fish.....	146	6,054	485	9,315
Fruit.....	1,801	17,047	1,869	32,796
Meat.....	65	17	1,675	1,067
Milk.....			555	36
Soup.....	3,364	221	3,488	221
Vegetables.....	724	7,801	1,392	8,237
Miscellaneous and unclassified.....	2,023	12,463	2,382	15,223
Carbon black.....	49		1,192	
Celite.....		582		649
Cement.....	611		14,121	
Chalk.....			808	
Charcoal.....	66		191	
Chemicals ¹¹	4,441	766	13,914	2,985
Clay, china and fire.....	827	899	1,001	1,480
Clay, filtering.....		131		131
Coal.....	2,423		10,601	20
Cocoa and cacao beans.....	462		1,043	2,762
Cocoduts and products ¹¹		1,189	210	2,977
Coffee.....	288	13	8,156	20,078
Coke.....	513		7,614	
Cold storage and refrigerated products:				
Dairy products.....			87	6,808
Eggs.....				199
Fish.....	45		59	503
Lard.....	865		936	4
Meats.....	10	31	349	14,163
Poultry.....		70		70
Vegetables.....			1	694
Other and unclassified.....	20		65	5
Confectionery.....	1,414		1,425	2
Copra.....				3,399
Corn.....			578	2,459
Cotton, raw.....	35	499	19,703	8,757
Creosote.....	60		64	
Drugs and medicines.....	2,117	107	2,740	114
Dyes.....			60	
Earthenware.....	22	11		116
Eggs, dried.....	50		50	6
Electrical apparatus and appliances.....	1,929	299	3,506	393
Enamelware and metalware.....	748	64	1,331	240
Explosives.....	180			
Extract, quebracho.....			1,900	
Fertilizers ¹¹	104	22	1,808	139
Fish meal.....	56		253	1,285
Floor coverings.....	2,388	602	3,080	755
Flour.....	92	6,644	4,545	7,584
Fruit, dried.....	39	6,232	46	13,382
Fruit, fresh ¹¹	6	2,443	23	9,271
Furniture and household goods.....	514	149	708	155
Gallnuts.....				10

¹¹ 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	13,305	5,492	49,339	14,701
Glass and glassware	2,207	58	5,172	799
Glue	50	33	55	33
Grains ¹¹				307
Groceries	1,100	385	2,078	787
Guano				10,730
Gums		44		183
Hair, all kinds	70	44	85	193
Hay		142	17	217
Hemp, unmanufactured	21	13	96	2,459
Honey		29	10	446
Hops				4
Horns and hoofs				10
Infusorial earth		467		818
Iron and steel, manufactures of (structural steel, plates, bars, angles, pipe, etc.)	72,287	224	121,956	933
Ivory nuts			132	1,719
Jute, unmanufactured		6	52	6
Lard substitute	287		287	35
Lime	40		40	31
Liquors	2,613	35	4,297	37
Lumber (including manufactured mill products)	2,285	159,283	7,481	333,368
Machinery	2,463	220	11,586	367
Malt			198	
Manufactured goods ¹¹	6,744	634	17,912	2,999
Marble and granite		3	56	3
Matches	219	77	257	77
Metals:				
Antimony				101
Copper	707	4,884	2,873	31,887
Gold and silver			3	155
Iron	1,660	20	9,994	20
Lead		1,488	257	14,926
Tin	177	162	337	1,317
Zinc	227		476	7,740
Other and unclassified	676	185	4,490	194
Milk, powdered		737		909
Molasses and syrups	402		481	31,174
Nitrate			2,261	67,475
Nuts, edible (including meats)		68	342	239
Oats	72	45	77	10,020
Oils, mineral:				
Crude	50		3,839	61,112
Gas and fuel	14	39,238	56,265	48,970
Gasoline, benzine, and naphtha	84	55,800	4,168	140,262
Kerosene			50	12,578
Lubricating and greases	17,171	948	30,760	971
Oils, vegetable:				
Cocunut			77	13,004
Linseed	314		1,510	
Olive	75		267	
Peanut			6	
Rapeseed				203
Teaseed		21		43
Wood	25	21	27	621
Other and unclassified	122	497	3,054	5,539
Oil, fish	99	27	247	129
Oil, whale				588
Oilseeds (cotton, flax, hemp, sesame, rapeseed, etc.)	64		7,385	2,114
Oilseed cake and meal	4,055		4,055	4,187
Ores:				
Antimony	23		23	510
Chrome				3,150
Copper		649		1,958
Gold and silver				4
Iron			967	132,790
Lead				5,669
Magnesite		1,727		1,727
Manganese	325		511	4,117
Tin				2,172
Zinc	70		160	13,473
Other and unclassified			527	1,274
Paints and varnishes	1,330	111	2,755	238
Paper and paper products ¹¹	10,809	7,154	39,391	13,157
Peanuts	1,202		1,202	218
Peas, dry			28	3,725
Peatmoss			845	
Phosphates	270		14,033	13,170
Plaster			80	11
Porcelainware	406	44	1,552	2,162

¹¹ 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
Potash.....		196		1,146
Pyrethrum flowers.....				46
Rags and waste.....	251	76	2,259	278
Railroad material.....	3,583		10,862	
Rice.....	910	447	940	3,262
Rope and twine.....	188	122	982	274
Rosin.....	872		3,585	45
Rubber:				
Manufactured.....	1,025	206	1,759	277
Raw.....			42	2,940
Scrap.....			1,875	70
Salt.....	276	348	5,284	348
Sand.....	66		1,774	11
Scrap metal.....	374	511	133,214	1,395
Seeds (except oilseeds).....	447	160	743	847
Shells, oyster.....	410	10	441	10
Silk, raw.....		213	7	1,692
Skins and hides.....		2,414	298	4,672
Slate.....	1,096		1,096	
Soaps and products.....	1,705	63	1,748	204
Soda and sodium compounds:				
Soda, ash.....	212		859	392
Soda, caustic.....	796		2,090	165
Miscellaneous and unclassified.....	693	19	1,843	134
Soy beans.....	175		175	12,570
Spices.....	67		82	1
Sugar.....	45	23,312	8,235	169,838
Sulphur.....	15,800	45	21,282	375
Talc.....	32	26	101	513
Tallow.....	2	612	49	2,062
Tea.....	114	18	129	267
Textiles ¹²	3,225	47	12,131	3,437
Tinplate.....	10,758	27	26,015	152
Tobacco and manufactures.....	300	46	5,077	1,086
Toilet preparations.....	171		173	100
Turpentine.....	92		698	
Vegetables, dry ¹¹				342
Wall board.....	188		827	7
Wax, paraffin.....	307		1,342	158
Wheat.....		51	2	112,288
Wines.....	27	1,090	685	1,837
Wood pulp.....	602	16,855	6,717	23,638
Wool.....	74	8,109	175	16,215
Total, June 1939.....	222,386	415,136	825,835	1,611,252
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

¹¹ Except as otherwise classified. ¹² Cotton, silk, wool, rayon goods.

Tanker Traffic

The following tabulation shows, according to trade routes, the tanker traffic through the Canal during the month of June 1939:

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.....	20	116,547	9,230	10	57,716	¹³ 107,140
East coast United States and:						
South America.....	1	5,062				
Philippine Islands.....				1	3,864	¹⁴ 6,690
East coast Canada and:						
United States.....				1	6,899	14,306
South America.....				1	4,359	7,500
Central America/Mexico intercoastal.....	1	6,264	11,872	1	6,264	
South America intercoastal.....	1	6,224	12,353			
East coast South America and Balboa.....	1	6,863	12,875			
West Indies and:						
United States.....	2	11,979	198	1	4,939	10,017
South America.....	3	15,250	19,073	1	7,411	14,466
Europe and:						
United States.....	4	23,428		4	25,741	48,022
South America.....	3	20,303		6	35,887	71,029
Hawaiian Islands.....				2	14,964	¹⁵ 31,174
Total.....	36	211,920	65,601	28	168,044	310,344

¹³ Includes 9,902 tons of cutback asphalt. ¹⁴ Coconut oil. ¹⁵ Molasses.

Comparison of Canal Traffic in June 1939, 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.....	¹⁶ 140	(000 omitted)	(000 omitted)	1915.....	¹⁷ 100	(000 omitted)	(000 omitted)
1916.....	120	461	567	1916.....	60	334	466
1917.....	165	352	483	1917.....	145	184	258
1918.....	166	488	630	1918.....	165	447	588
1919.....	154	531	629	1919.....	162	506	627
1920.....	190	478	586	1920.....	199	472	576
1921.....	189	651	834	1921.....	199	659	781
1922.....	222	704	695	1922.....	232	879	966
1923.....	412	597	977	1923.....	222	880	907
1924.....	374	1,883	2,096	1924.....	325	1,434	1,631
1925.....	365	1,782	2,023	1925.....	429	2,016	2,249
1926.....	401	1,622	1,920	1926.....	382	1,761	1,996
1927.....	433	1,839	2,133	1927.....	424	1,909	2,169
1928.....	473	1,990	2,228	1928.....	441	2,020	2,311
1929.....	494	2,060	2,139	1929.....	521	2,269	2,468
1930.....	468	2,175	2,423	1930.....	524	2,299	2,554
1931.....	384	2,180	2,147	1931.....	502	2,310	2,502
1932.....	315	1,903	1,757	1932.....	447	2,140	2,089
1933.....	341	1,611	1,404	1933.....	364	1,820	1,650
1934.....	366	1,758	1,690	1934.....	347	1,758	1,513
1935.....	405	1,867	1,767	1935.....	436	2,201	2,059
1936.....	451	1,974	2,081	1936.....	432	2,143	2,109
1937.....	472	2,265	2,400	1937.....	449	2,160	2,209
1938.....	445	2,266	2,670	1938.....	449	2,224	2,342
1939.....	472	2,065	2,122	1939.....	460	2,163	2,282
		2,269	2,437		492	2,264	2,322

¹⁶ Canal opened August 15, 1914.

¹⁷ Average for 10½ months.

Terminal Activities

Ships repaired during the month of June 1939, numbered 68. Vessels released from drydock numbered 16. Fuel oil amounting to 253,421 barrels was delivered as bunkers to 128 commercial vessels. Bunker coal amounting to 5,414 tons was delivered to 24 commercial ships. Sales of commissary supplies to ships aggregated \$48,293.

Cargo Handled at Terminal Ports

	Cristobal	Balboa	Total
Local cargo arriving..... tons..	21,739	8,471	30,210
Local cargo shipped..... tons..	2,805	373	3,178
Cargo received for transshipment..... tons..	54,406	521	54,927
Cargo transshipped..... tons..	51,962	489	52,451
"Canal Zone for Orders" cargo:			
Number of receipts issued.....	6	2	8
Number of releases issued.....	52	15	67
Tons received.....	38	6	44
Tons withdrawn.....	34	5	39

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.....	567	3,336,658	2,035,744	519	3,042,841	1,884,182
Vessels entering port but not transiting Canal.....	70	372,616	206,957	7	12,419	7,213
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	158	866,255	522,709	104	662,919	404,171
<i>Ships clearing</i>						
All vessels, including those transiting Canal.....	567	3,379,377	2,076,975	527	3,052,136	1,891,157
Vessels clearing port but not transiting Canal.....	68	350,049	193,846	6	10,304	6,197
Vessels transiting Canal and handling passengers and cargo at terminal ports.....	160	910,435	558,339	108	674,737	411,083

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, 1939, to midnight July 10, 1939. Figures after names of vessels show, respectively, tons discharged and tons laden:

CRISTOBAL

Rita, 4,235, 0	West Cape, 0, 661	Texas, 726, 4	Osnabruck, 50, 1,450	Lobos, 63, 27
West Cactus, 0, 143	Real, 0, 14	Cerigo, 1,230, 263	Spreewald, 276, 0	Niel Maersk, 403, 387
Santa Paula, 174, 284	Yamakaze Maru, 619, 0	Ino, 353, 311	Santa Rita, 683, 1	Salvador, 859, 708
Quirigua, 10, 12	Ville D'Amiens, 0, 17	John Bakke, 0, 440	Santa Clara, 245, 34	Panama, 4,460, 911
Colombie, 211, 36	Santa Elena, 301, 354	Atlantian, 230, 0	Maine, 514, 0	Nemours, 2, 59
Kansai Maru, 156, 161	Jamaica, 11, 16½	Este, 80, 261½	Ancon, 4,804, 576	Santa Maria, 340, 25
Orbita, 48, 277	Nevada, 391, 342	Pericles, 35, 807	Quirigua, 266, 719	Metapan, 974, ½
O. A. Brodin, 371, 0	Plato, 3, 187	Benjamin Franklin, 15, 523	Harboe Jensen, 11, 247½	Nosiro Maru, 425, 25
Marconi, 60, 0	Rufina, 4,172, 0	Sona, 0, 82	Bretagne, 239, 423	Falcon, 46, 85
American Press, 952, 417	Cefalu, 486, 525	Colombia, 871, 39	Colombia, 871, 39	Telde, 387, 739
City of Newport News, 188, 0	Ivaran, 116, 0	Tolosa, 667, 290	Jamaica, 154, 522½	Nero, 333, 255
Contessa, 577, 642	Santa Maria, 441, 10	Clio, 134, 449	Helder, 331, 931	Colombia, 784, 266
Trois Ilets, 311, 79	Lochgail, 151, 655	Costa Rica, 37, 18	Magister, 663, 71	Bogota, 8, 400
Santa Clara, 642, 0	Lagarto, 1, 92	John Cabot, 1,014, 666	Maravi, 32, 193	Choluteca, ½, 123
San Felipe, 148, 14	Pasajero, 0, 9	Schwaben, 39, 162	Quito, 938, 19 (pkgs.)	Orotava, 137, 72
Choluteca, 0, 154	Musa, 960, 204	Lochmonar, 236, 106	Orotava, 137, 72	Tosan Maru, 372, 231½
Platano, 1,398, 233	Boskoop, 75, 620	Rufina, 3,978, 0	Europa, 0, 28	Sixtola, 276, 178
Observer, 301, 0	Huascarán, 126, 1,063	Real, 0, 14	City of San Francisco, 411, 0	Tacoma, 198, 167
Nuernberg, 55, 780	Acajutla, 630, 683½	Port Saint John, 75, 74	Monserate, 13, 94	Costa Rica, 3, 761
Colombie, 1, 1,173	R. L. Huster, 1½, 0	Lima, 159, 478½	Douro, 22, 32	Passajero, 0, 2½
Panama, 2,340, 1,060	Santa Inez, 380, 125	Patria, 491, 761	Genevieve Lykes, 287, 0	Colonial, 296, 0
Santa Barbara, 375, 27	Talamanca, 275, 992	Francis R. Hart, 4,755, 0	Oregon, 535, 502	Virgilio, 174, 31
Komaki Maru, 402, 0	Frederic R. Kellogg, 850, 0	Reina del Pacifico, 80, 727	Santa Elena, 97½, 381	Orizaba, 0, 688
Lochkatrine, 556, 181	Ancon (old), 1,255, 729	El Mirlo, 11,133, 0		
Chiriqui, 171, 726	Maui, 238, 0	Durazzo, 1,302, 790		
Oropesa, 38, 504	Orotava, 130, 399	Santa Paula, 142, 349		
Dresden, 53, 380	Celina, 168, 0	Chiriqui, 43, 344		
Clio, 0, 371	Nero, 201, 162	Orduna, 63, 124		
Quito, 0, 358	Colombia, 783, 165	Cordillera, 56, 1,316		
Colombia, 778, 462	Marconi, 60, 0	Delftdijk, 225, 265		
Pereira, 641, 860	Muensterland, 15, 200	Ino, 583, 155		
Ulua, 760, 120	Bogota, 0, 22 (pkgs.)	Trois Ilets, 369, 47		
Bogota, 1,211, 0	La Brea, 6½, 0	San Lucas, 107, 0		
D. G. Scofield, 13,002, 0	Telde, 517, 57	Ermaland, 10, 15		
Marconi, 60, 0	Santa Marta, 152, 103	Cefalu, 219, 474		
Ino, 596, 78	Fella, 326, 298	Seattle, 113, 556		
	Patricia, 68, 690	Santa Lucia, 361, 266		

BALBOA

Sylvan Arrow, 12,875, 0	Santa Clara, 8, 0	Santa Inez, 107, 3	Tancred, 567, 0	Santa Maria, 237, 17
Geisha, 57, 0	Hunter Liggett, 635, 259	La Brea, 125, 0	John Bakke, 451, 285	Hunter Liggett, 576, 99
Rio de Janeiro Maru, 0 11	Santa Barbara, 257, 1	Boskoop, 250, 0	Santa Clara, 1389, 0	Rotorua, 57, 0
O. A. Brodin, 293, 31	City of Norfolk, 0, 23	President Adams, 1, 0	Pericles, 12,240, 0	Lebec, 9,930, 0
Capello, 2, 0	Pereira, 0, 2	Abraham Lincoln, 469, 0	City of Newport News, 0, 1	Trois Ilets, 141, 0
City of Newport News, 129, 0	Santa Maria, 10, 0	0	John Cabot, 0, 1	Thorhild, 9,601, 0
	Maui, 170, 0	City of Los Angeles, 188, 0	Niel Maersk, 321, 0	Oregon, 853, 0
	Nevada, 713, 0			

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

Passengers

During June 1939, ocean-ship passengers debarking at Cristobal numbered 3,197, embarking 3,518; at Balboa, 760 debarking, 601 embarking. Passengers passing through the Canal from the Atlantic to the Pacific numbered 5,334; from the Pacific to the Atlantic, 1,734. Commercial aircraft numbering 55 entered Cristobal with 224 passengers debarking; clearances were 55, with 244 passengers embarking. Balboa entries of aircraft numbered 52, with 129 passengers debarking, clearances were 52, with 102 passengers embarking.

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.

Movements of Ocean Vessels Through the Panama Canal From midnight June 10, 1939, to midnight July 10, 1939

ATLANTIC TO PACIFIC

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
City of San Francisco	11	11	Amer.	Panama-Pacific Line..	New York, N. Y.	S. Francisco, Cal.	General....	2,052
San Diego	10	11	Fr.	French Line.....	Havre, France...	Vancouver, B. C.	General....	7,070
Tonan Maru No. 2, ¹³	10	11	Jap.	Nippon Suisan Kab. Kaisya.	Scheidam, Netherlands.	Los Angeles, Cal.	Ballast.....	
Rio de Janeiro Maru. ²	11	12	Jap.	Osaka Syosen Kaisya.	Buenos Aires, Arg.	Kobe, Japan....	Gen., cotton.	5,172
Gracia	11	11	Brit.	Donaldson Line.....	Glasgow, Scotland	Vancouver, B. C.	General....	1,371
Barneveld	9	11	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile....	General....	1,320
Glaucus	11	11	Brit.	Booth-Amer. S. S. Co.	Montreal, Canada	Shanghai, China.	General....	4,648
Nordvest ²	11	11	Dan.	P. Brown & Co.	Galveston, Tex.	Vancouver, B. C.	Ballast.....	
Real ²	10		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Wodja ⁵			Amer.	R. W. Owen	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
Sona ²	10	11	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General....	13
Mallard ¹⁰			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
S-43 ⁷			Amer.	U. S. Navy	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
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.....	
Durazzo	9	12	Ger.	Hamburg-Amer. Line.	Cristobal, C. Z.	Guayaquil, Ecua.	General....	537
Athelprincess ^{1 2}	11	12	Brit.	Daido Kaiun	Birkenhead, Eng.	San Luis, Calif.	Ballast.....	
Mahout	11	12	Brit.	Port Line, Ltd.	Philadelphia, Pa.	Fremantle, Aust.	(15)	4,996
W. R. Keever	12	12	Amer.	Freeport Sulphur Co.	New Orleans, La.	Everett, Wash.	Sulphur....	7,800
Pontypridd	11	12	Brit.	Andrew Weir & Co..	La Romana, Dominican Rep.	Auckland, N. Z.	Sugar.....	7,500
Capella ¹⁴	11	13	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	Stores.....	3,806
Istmo	12	12	Pan.	Elliot Ship. & Land Co.	Cartagena, Col.	B'ventura, Col.	Salt.....	62C
Bahreïn ¹	12	12	Pan.	Standard Oil of Cal.	Antwerp, Belgium	Los Angeles, Cal.	Ballast.....	
Porto Bello ³	12	12	Pan.	A. Tagaropoulos.	Cristobal, C. Z.	Real, R. P.	General....	2
Cistula ^{1 2}	12	13	Neth.	Shell Oil Co.	Curacao, N. W. I.	Los Angeles, Cal.	Ballast.....	
Mussolini ²	12		Pan.	E. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
American Oriole	13	13	Amer.	Freeport Sulphur Co.	Pt. Sulphur, La.	Los Angeles, Cal.	Sulphur....	8,000
Leise Maersk ²	13	13	Dan.	A. P. Moller	Habana, Cuba.	Guanape Is., Peru	Ballast.....	
Salvador	6	13	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.	Champico, Guat.	General....	271
Mathew Luckenbach	13	13	Amer.	Luckenbach Line....	Houston, Tex.	Seattle, Wash.	General....	7,131
Columbia Star ²	13	14	Brit.	Blue Star Line	Copenhagen, Den.	Vancouver, B. C.	Ballast.....	
Forbes Hauptman	13	13	Amer.	McCormick S. S. Co.	Norfolk, Va.	Los Angeles, Cal.	General....	5,166
Goodleigh	13	13	Brit.	Seaboard Lumber Co.	Barry, England.	Vancouver, B. C.	Ballast.....	
Tweedbank ²	13	13	Brit.	Bank Line, Ltd.	Boston, Mass.	Shanghai, China.	General....	2,584
Hunter Liggett ⁸	13	15	Amer.	U. S. Army	New York, N. Y.	S. Francisco, Cal.	General....	4,343
Kupa	14	14	J.-Slav.	Chile Nit. Sales Corp.	Wilmington, N. C.	Chile	Ballast.....	
American	14	14	Amer.	Amer.-Hawaian Line.	Bridgeport, Conn.	Portland, Oreg.	General....	2,068
Lebec ¹	14	14	Amer.	Gen. Petroleum Corp.	Bangor, Me.	Los Angeles, Cal.	Ballast.....	
Tuira ²	13		Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Sambu ²	13	14	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Pedregal, R. P.	General....	2
Ebba ²	14		Pan.	E. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
J-26 ⁵			Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
San Felipe	14	15	Amer.	Pac.-Atlantic S.S. Co.	Albany, N. Y.	Seattle, Wash.	Coal, gen.	4,241
Trois Ilets	13	15	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General....	86
Tropic Star ²	14	15	Nor.	Chile Nit. Sales Corp.	Charleston, S. C.	Chile	Ballast.....	
Ida Bakke ²	14	15	Nor.	Knutsen Line	Cardiff, Wales.	Vancouver, B. C.	Ballast.....	
Fairfield City	15	15	Amer.	Isthmian S. S. Lines.	Baltimore, Md.	Bel. Delhi, Sum.	General....	6,052
Santa Barbara ²	15	16	Amer.	Grace Line	New York, N. Y.	San Antonio, Chile	General....	2,204
Coulturn	15	15	Brit.	Longl. Mach. & Equip.	Norfolk, Va.	Yawata, Japan.	Scrap iron..	6,511
Frank ³	15		Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ¹⁶		20
Oropesa	15	16	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile.	General....	1,898
Nurnberg ²	14	16	Ger.	North German Lloyd.	Bremen, Germany	Valparaiso, Chile.	General....	5,428
Robin Hood	15	16	Jap.	Isthmian S. S. Lines.	Baltimore, Md.	Shanghai, China.	General....	8,254
Yamazaki Maru ²	15	16	Jap.	Yamashita K. Kaisha	Buenos Aires, Arg.	Kobe, Japan	(17)	6,387
Besholt ²	15	16	Nor.	De La Rama S.S. Line	Philadelphia, Pa.	Hongkong, China	General....	645
Chr. Knudsen ²	16	16	Nor.	Canadian Transp. Co.	Mobile, Ala.	Ocean Falls, B.C.	(18)	2,748
Pennsylvania Sun. ^{1 2}	16	16	Amer.	Sun Oil Co.	Marcus Hook, Pa.	El Segundo, Cal.	Ballast.....	
Lillian Luckenbach	16	16	Amer.	Luckenbach Line...	Boston, Mass.	Seattle, Wash.	General....	3,472
Sussex ²	16	17	Brit.	N. Z. Shipping Co.	Liverpool, Eng.	Dunedin, N. Z.	General....	10,900
Oregon	16	17	Brit.	Polaris S. S. Co.	Montreal, Canada	Yokohama, Japan	Scrap iron..	7,914
Mahimahi	16	17	Amer.	Matson Nav. Co.	Mobile, Ala.	Honolulu, T. H.	Steel, corn.	5,657
Clio ²	15	17	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General....	337
D. G. Seofield	16	17	Amer.	Arrow Oil Co.	Curacao, N. W. I.	S. Francisco, Cal.	Fuel oil....	193
Quito ²	15	17	Ger.	North German Lloyd.	Cristobal, C. Z.	Guayaquil, Ecua.	General....	211
Cornish City ²	17	17	Brit.	Reardon-Smith Line.	Tampa, Fla.	Osaka, Japan.	Phosphate..	9,014
Columbia ²	15	17	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General....	1,000
Bogota ²	16		Ger.	North German Lloyd.	Cristobal, C. Z.	Balboa, C. Z.	Drydocking.	

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁵ Launch. ⁷ Submarine. ⁸ Transport. ¹⁰ Mine sweeper.
¹² Oil refinery. ¹⁴ Auxiliary. ¹⁵ Automobiles, oil, general. ¹⁶ For bananas and return to Cristobal. ¹⁷ Cotton,
coffee, etc. ¹⁸ Sulphur, rosin, etc.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Karama 2	17	18	Brit.	Shaw, Savill & Albion	London, England	Wellington, N. Z.	General	6,900
Minnesotan	17	18	Amer.	Amer.-Hawaiian Line	New York, N. Y.	Tacoma, Wash.	General	3,717
Texas Sun 1 2	17	17	Amer.	Sun Oil Co.	Chester, Pa.	Los Angeles, Cal.	Ballast	
Gen. Wm. M. Graham. ¹¹	14	14	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Tow. barge	
City of Norfolk	18	18	Amer.	Baltimore Mail Co.	New York, N. Y.	S. Francisco, Cal.	General	2,829
Texmar	17	18	Amer.	Calmar Line	Baltimore, Md.	Seattle, Wash.	Steel, gen.	5,350
Tennessee 2	17	18	Nor.	Barber Line	New York, N. Y.	Japan	Scrap iron	8,705
Pacific Exporter 2	18	18	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General	416
Amerikaland 2	17	18	Swed.	Ore S. S. Corp.	New York, N. Y.	Cruz Gr'de, Chile	Ballast	
Siamese Prince 2	18	18	Brit.	Prinnee Line, Ltd.	New York, N. Y.	Hongkong, China	General	3,476
Ino 2	17	18	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	B'ventura, Col.	General	70
Pluviose 1	18	18	Fr.	Raffinerie de Berre	Berre, France	Talara, Peru	Ballast	
West Cape	17	18	Amer.	McCormick S. S. Co.	New York, N. Y.	Seattle, Wash.	Gen., steel	1,944
Tungsha 2	18	18	Nor.	Wih. Wilhelmson	Boston, Mass.	Yokohama, Japan	Scrap iron	8,434
Tuira 2	17	17	Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Ville D'Amiens	18	19	Fr.	Messageries Marit'es	Marseille, France	Noumea, N. Caled	General	3,610
Copiapo 2	19	19	Chile	Cia Sud Amer. d'e Vap.	Hamburg, Ger.	Valparaiso, Chile	General	1,506
Ensley City	18	19	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Hilo, T. H.	Gen., steel	4,582
Deroche 1	19	19	Amer.	Union Oil of Calif.	Philadelphia, Pa.	Los Angeles, Cal.	Ballast	
Geo. G. Henry 1	19	19	Amer.	Standard Oil of N. J.	Aruba, N. W. I.	Talara, Peru	Ballast	
City of Manchester	19	20	Brit.	Amer.-Australian Line	Philadelphia, Pa.	Adelaide, Aust.	General	6,043
Ohioan	19	19	Amer.	Amer.-Hawaiian Line	Jacksonville, Fla.	Tacoma, Wash.	General	3,383
Pereira	15	19	Pan.	Grace Line	Cristobal, C. Z.	Champ'co, Guat.	General	871
Real 2	18	19	Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Pto. Arm's, R. P.	General	20
Pennsylvania	19	20	Amer.	Weyerhaeuser S.S. Co	Newark, N. J.	Seattle, Wash.	General	3,246
Mussolini 2	19	20	Pan.	E. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Kanto Maru 2	19	20	Jap.	Osaka Syosen Kaisya	Buenos Aires, Arg.	Shanghai, China	(15) 6,362	
Marchen Maersk	20	20	Dan.	A. P. Moller	Boston, Mass.	Cebu, P. I.	General	6,565
Talamanca 4	20	20	Pan.	United Fruit Co.	Bocas, R. P.	Balboa, C. Z.	(16) 6,362	
Zrinski	20	20	J-Slav	Chile Nit. Sales Corp.	N. Shields, Eng.	Chile	Ballast	
Porto Bello 3	20	20	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General	3
Point Caleta	20	21	Amer.	Swayne & Hoyt	New Orleans, La.	Seattle, Wash.	General	6,350
Bibb 13	21	24	Amer.	U. S. Coast Guard	Cape May, N. J.	Chile	Ballast	
Montanan	21	21	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Portland, Oreg.	General	2,136
Themoni	21	21	Greek	Mitsui Bussan Kaisha	New York, N. Y.	Yawata, Japan	Scrap steel	9,121
Mobile City	21	21	Amer.	Isthmian S. S. Lines	Mobile, Ala.	Seattle, Wash.	(17) 6,903	
Nagara Maru 2	21	21	Jap.	Nippon Yusen Kaisya	New York, N. Y.	Kobe, Japan	(18) 7,672	
Nevada	19	22	Fr.	French Line	Havre, France	Valparaiso, Chile	Fertilizer, gen	2,203
Lagarto 2	21	21	Brit.	Pacific Steam Nav. Co.	Hull, England	Talcahuano, Chile	General	2,148
Clio 1 2	21	22	Pan.	Standard Oil of Venez.	La Guayra, Ven.	Tocopilla, Chile	(19) 12,353	
Lochgoil 2	21	21	Brit.	N. Pac. Coast Line	Rotterdam, Neth.	Portland, Oreg.	General	2,162
Sanyo Maru 2	21	22	Jap.	Osaka Syosen Kaisya	Rotterdam, Neth.	Dairen, China	General	7,277
Sambu 2	20	21	Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Robert E. Hopkins, 1	21	22	Amer.	Cities Service Oil Co.	New York, N. Y.	Los Angeles, Cal.	Ballast	
Port Halifax 2	22	22	Brit.	Mont.-Aust.-N.Z. Line	Montreal, Canada	Dunedin, N. Z.	General	4,074
R. J. Hanna 1	22	22	Amer.	Standard Oil of Calif.	Baltimore, Md.	S. Francisco, Cal.	Ballast	
Marconi 2	22	22	Pan.	D. Campodonico	Cispata, Colom	Panama, R. P.	Ballast	
Parrakoola 2	22	23	Swed.	Transpacific S. S. Co.	London, England	S. Francisco, Cal.	Ballast	
Lundby 2	22	23	Dan.	A/S Motortramp	Montreal, Canada	Los Angeles, Cal.	Ballast	
Orotava	22	23	Hond.	United Fruit Co.	New Orleans, La.	Puntarenas, C. R.	General	1,456
Enoch 2	22	23	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z.	20	
Col. Riche 2	22	23	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Tow. barge	
Cutter No. 667	22	23	Amer.	U. S. Army	Cristobal, C. Z.	Gatun, C. Z.	Ballast	
Boskoop	23	24	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Corral, Chile	General	2,185
Lewis Luckenbach	23	23	Amer.	Luckenbach Line	Providence, R. I.	Seattle, Wash.	General	3,943
Mataroa	23	24	Brit.	Shaw, Savill & Albion	S'ampton, Eng.	Wellington, N. Z.	General	7,367
Celina 2	22	23	Ital	Italia Line	Trieste, Italy	Vancouver, B. C.	General	967
Huasecan 2	22	23	Ger	Hamburg-Amer. Line	Hamburg, Ger.	Valparaiso, Chile	General	5,239
Santa Inez 2	22	24	Amer.	Grace Line	New York, N. Y.	Chanaral, Chile	General	1,482
Munsterland 2	23	23	Ger	Hamburg-Amer. Line	New Orleans, La.	Manila, P. I.	General	8,151
Steelore	23	24	Amer.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr'de, Chile	Ballast	
Gen. Wm. M. Graham. ¹¹	18	18	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	Ballast	
Langley 14	22	24	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	General	1,982
Laila	23	24	Dan.	West Coast Line	St. John, N. B.	Talcahuano, Chile	General	
Hadleigh	24	24	Brit.	Seaboard Ship. Co.	Barry, England	Vancouver, B. C.	Ballast	
Valkyrie 6	5-18	18	Brit.	Ethel Zora Hanner	High seas	Balboa, C. Z.	Ballast	
Pennmar	24	24	Amer.	Calmar Line	Baltimore, Md.	Tacoma, Wash.	Steel, gen.	4,509
Nero 2	22	24	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Gnayaquil, Ecua.	General	147
Colombia 2	22	24	Pan.	Elliot Ship & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General	400
Memphis City	24	24	Amer.	Isthmian S. S. Lines	Baltimore, Md.	Tacoma, Wash.	Steel, gen.	3,870
Mexican	24	24	Amer.	Amer.-Hawaiian Line	Boston, Mass.	Tacoma, Wash.	General	2,999
Friedrich Brene 1	24	24	Ger	W. Tanchschiff Rhed'i.	Rotterdam, Neth.	Talara, Peru	Ballast	

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ⁶ Yacht. ¹¹ Mine planter. ¹³ Coast Guard cutter. ¹⁴ Aircraft carrier. ¹⁵ Cotton, timber, etc. ¹⁶ Towing barge Queen Mary No. 31070. ¹⁷ Structural steel and tinplate. ¹⁸ General, lubricating oil, etc. ¹⁹ Diesel and fuel oil. ²⁰ 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	Long tons
President Adams	25	25	Amer.	Amer.-President Lines	New York, N. Y.	S. Francisco, Cal.	General.....	3,811
Athina Livanos	24	25	Greek	Carport.....	Norfolk, Va.....	Portland, Oreg.....	Ballast.....	.....
City of Baltimore	25	25	Amer.	Panama-Pacific Line..	New York, N. Y.	S. Francisco, Cal.	General.....	2,961
Sea Thrush	24	25	Amer.	Shepard S. S. Co.....	Albany, N. Y.....	Seattle, Wash.....	General.....	2,922
Kiyosumi Maru ²	25	25	Jap	Kokusai Kisen Kaisha	Galveston, Tex.....	Kobe, Japan.....	Cotton, oil.....	8,464
Este	24	25	Ger	North German Lloyd.	Hamburg, Ger.....	Vancouver, B. C.	General.....	8,075
Frederic R. Kellogg ¹	22	25	Amer.	Standard Oil of N. J.	New York, N. Y.	Talara, Peru.....	Ballast.....	.....
Texas	24	25	Amer.	Calif.-Eastern Line...	Trenton, N. J.....	Portland, Oreg.....	General.....	4,893
Loch Lomond	25	25	Brit.	Montreal-Aust. Line..	Three Riv., Nfd.	Melbourne, Aust.	Newsprint.....	5,067
Sambu ²	24	25	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.....	Balboa, C. Z.....	Ballast.....	.....
Abraham Lincoln ³	25	26	Nor.	Fred Olsen & Co.....	Oslo, Norway.....	Vancouver, B. C.	Cement, gen.	1,252
Elhin	25	26	Greek	Anglo-Can. S. S. Co.	Liverpool, Eng.....	Vancouver, B. C.	Ballast.....	.....
Moldanger ²	25	26	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.....	.....
W. S. Miller ¹	26	26	Amer.	Standard Oil of Calif.	Wilmington, N. C.	S. Francisco, Cal.	Ballast.....	.....
Takaoka Maru	26	26	Jap	Nippon Yusen Kaisha	Ft. Arthur, Tex.....	Japan.....	(14)	8,580
Cerigo	23	27	Ger	Hamburg-Amer. Line.	Cristobal, C. Z.....	Guayaquil, Ecua.	General.....	183
Porto Bello ³	26	26	Pan.	A. Tagaropoulos.....	Cristobal, C. Z.....	Real, R. P.....	General.....	3
Sona ²	24	27	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.....	Balboa, C. Z.....	Ballast.....	.....
Seal ⁷	25	27	Amer.	U. S. Navy.....	N. London, Conn.	San Diego, Calif.	Ballast.....	.....
Trois Ilets	25	27	Fr.	French Line.....	Cristobal, C. Z.....	B'ventura, Col.	General.....	11
Lowther Castle	26	27	Brit.	McCormick S. S. Co.	Buenos Aires, Arg.	S. Francisco, Cal.	General.....	3,782
Mussolini ²	26	27	Pan.	E. Obarrío.....	Cristobal, C. Z.....	Balboa, C. Z.....	Ballast.....	.....
Emergency Aid.	26	27	Amer.	McCormick S. S. Co.	Philadelphia, Pa.	Seattle, Wash.....	General.....	3,014
Sacalia ²	27	27	Brit.	Donaldson & Black	Glasgow, Scotland	Vancouver, B. C.	General.....	1,177
Acajulia	21	27	Brit.	Pacific Steam Nav. Co.	Cristobal, C. Z.....	Champfico, Guat.	General.....	684
John Bakke ²	23	28	Nor.	Knutson Line.....	Goth burg, Swed.	Valparaiso, Chile.	Gen., expl.	3,038
Ashkhabad	27	28	Russ.	U. S. S. R. Mach. Imp.	Leningrad, Russ.	Nagaevo, Russia.	General.....	4,259
Ino ²	23	27	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.....	B'ventura, Col.	General.....	280
Katrina Luckenbach	27	27	Amer.	Luckenbach Line.....	New Orleans, La.	Seattle, Wash.....	General.....	6,645
Col. Riche ⁵	22	27	Amer.	U. S. Army.....	Cristobal, C. Z.....	Gatun, C. Z.....	Ballast.....	.....
Real ²	27	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.....	Balboa, C. Z.....	Ballast.....	.....
Procyon ^{1 2}	27	28	Swed.	Standard Oil of N. J.	Rotterdam, Neth.	S. Francisco, Cal.	Ballast.....	.....
Ebba ²	28	28	Pan.	E. Obarrío.....	Cristobal, C. Z.....	Balboa, C. Z.....	Ballast.....	.....
Hoyanger ²	27	28	Nor.	Westfal, Larsen & Co.	Buenos Aires, Arg.	Vancouver, B. C.	Coffee, gen.	5,421
City of Singapore	27	28	Brit.	Ellerman & Bucknall.	Philadelphia, Pa.	Auckland, N. Z.	General.....	4,404
Firmore	27	28	Amer.	Ore S. S. Corp.....	Baltimore, Md.....	Cruz Gr'de, Chile	Ballast.....	.....
Pomona	28	28	Amer.	Pac. Coast Dir. Line.	Norfolk, Va.....	Tacoma, Wash.....	General.....	3,444
City of Evansville	28	28	Brit.	Ellerman & Bucknall.	Montreal, Canada	Dairen, China.....	General.....	6,841
W. H. Berg ¹	28	28	Amer.	Standard Oil of Calif.	New York, N. Y.	Los Angeles, Cal.	Ballast.....	.....
Smolnii ²	26	28	Russ.	Baltic States S. S. Co.	Leningrad, Russ.	Sakalin Is.....	General.....	1,695
Lieut. Col. H. C. Schumm ⁴	27	28	Amer.	U. S. Army.....	Cristobal, C. Z.....	Balboa, C. Z.....	Tow. barge.....	.....
Tuira ²	27	28	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.....	Balboa, C. Z.....	Ballast.....	.....
Leonet ³	28	28	Pan.	A. Ferrari.....	Cristobal, C. Z.....	Gatun, C. Z.....	(15)	.....
Frank ³	28	28	Pan.	E. J. Hooper.....	Cristobal, C. Z.....	Gatun, C. Z. ¹⁶	.....	20
Santa Clara	28	29	Amer.	Grace Line.....	New York, N. Y.	San Antonio, Chile	General.....	3,102
Maine	28	29	Amer.	Calif.-Eastern Line...	New York, N. Y.	Portland, Oreg.....	General.....	3,311
Mosfrui ²	29	29	Nor.	M. Mosvold.....	Liverpool, Eng.....	Los Angeles, Cal.	Ballast.....	.....
O. A. Brodin	28	29	Swed.	Sigfried-Olsen Co.....	La Guayra, Ven.	Antofagasta Chile	Ballast.....	.....
Alabaman	28	29	Amer.	Amer.-Hawaiian Line.	New York, N. Y.	Portland, Oreg.....	General.....	3,315
Arimasan Maru ²	29	29	Jap.	Mitsui Senpakubun	New York, N. Y.	Moji, Japan.....	Gen., gasoline	7,510
Thurland Castle ²	28	29	Brit.	Barber Line.....	New York, N. Y.	Shanghai, China.	General.....	3,252
Osnabruck ²	28	29	Ger.	North German Lloyd.	Hamburg, Ger.....	Corral, Chile.....	General.....	4,055
Fresno Star	29	30	Brit.	Blue Star Line.....	Tyne, England.....	Vancouver, B. C.	Ballast.....	.....
Kansan	30	30	Amer.	Amer.-Hawaiian Line.	Baltimore, Md.....	Seattle, Wash.....	General.....	4,420
Kahuku	29	30	Amer.	Matson Nav. Co.....	New York, N. Y.	Honolulu, T. H.	General.....	3,398
Vermar	30	30	Amer.	Calmar Line.....	Chester, Pa.....	Los Angeles, Cal.	Steel, gen.	3,972
Dorothy Luckenbach	30	30	Amer.	Luckenbach Line.....	Boston, Mass.....	Seattle, Wash.....	General.....	4,142
Clumberhall	30	30	Brit.	Seaboard Ship. Co.....	Cardiff, Wales.....	Brit. Columbia.	Ballast.....	.....
Somerville ²	30	30	Nor.	Fern Line.....	Tampa, Fla.....	Yokohama, Japan	(17)	7,003
Athenic	30	31	Brit.	Canadian Transp. Co.	Tyne, England.....	Vancouver, B. C.	Ballast.....	.....
Nonsuco ²	30	31	Amer.	No. Negroes Sugar Co.	New York, N. Y.	Manila, P. I.....	(18)	2,622
Unico ²	1	3	Amer.	Roosevelt S. S. Co.	Philadelphia, Pa.	Adelaide, Aust.	General.....	3,745
Maxim Gorky ²	24	1	Russ.	U. S. S. R. Mach. Imp.	Leningrad, Russ.	Nicolaevsk, Russ.	Mach., coal.	4,792
Clio ²	31	1	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.....	Guayaquil, Ecua.	General.....	408
Tichizinka ¹³	24	1	Russ.	U. S. S. R. Mach. Imp.	Rotterdam, Neth.	Nicolaevsk, Russ.	Ballast.....	.....
Svir ¹³	24	1	Russ.	U. S. S. R. Mach. Imp.	Leningrad, Russ.	Nicolaevsk, Russ.	Ballast.....	.....
Columbia ²	29	1	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.....	B'ventura, Col.	General.....	736
Alaskan	1	1	Amer.	Amer.-Hawaiian Line.	Boston, Mass.....	Seattle, Wash.....	General.....	2,873
Selma City	2	2	Amer.	Isthmian S. S. Lines.	Baltimore, Md.....	Seattle, Wash.....	Gen., steel	3,386
Lexa Maersk ²	2	2	Dan.	Maersk Line.....	Baltimore, Md.....	Cebu, P. I.....	General.....	6,034
Chilore	2	2	Amer.	Ore S. S. Corp.....	Baltimore, Md.....	Cruz Gr'de, Chile	Ballast.....	.....
City of Newport News	2	2	Amer.	Panama-Pacific Line..	New York, N. Y.	S. Francisco, Cal.	General.....	2,824
Marit II ¹	2	2	Nor.	Standard Oil of N. J.	Aruba, N. W. I.	Tocopilla, Chile..	Fuel oil.....	9,552

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ⁷ Submarine. ¹³ Dredge. ¹⁴ Scrap billets, gasoline. ¹⁵ Towing launch Frank. ¹⁶ For bananas and return to Cristobal. ¹⁷ Scrap iron, cotton. ¹⁸ Gypsum rock, general.

ATLANTIC TO PACIFIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Pacific Ranger ²	2	3	Brit.	Furness, Withy & Co.	Manchester, Eng.	Vancouver, B. C.	General.....	380
Tuira ²	1	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Somers ⁹	1	5	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	Ballast.....	
Warrington ⁹	1	5	Amer.	U. S. Navy	Norfolk, Va.	San Diego, Calif.	Ballast.....	
Gridley ⁹	1	5	Amer.	U. S. Navy	Wilmington, N.C.	San Diego, Calif.	Ballast.....	
Felix Taussig	3	3	Amer.	McCormack S. S. Co.	New York, N. Y.	Seattle, Wash.	(¹³)	3,610
Lima ²	2	3	Swed.	Johnson Line	Stockholm, Swed.	Vancouver, B. C.	Gen., paper	4,652
Patria	2	3	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Valparaiso, Chile.	General.....	2,954
Reina del Pacifico ²	2	3	Brit.	Pacific Steam Nav. Co.	Liverpool, Eng.	Valparaiso, Chile.	General.....	2,802
Real ²	1	3	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	General.....	36
Nozima Maru ²	3	4	Jap.	Nippon Yusen Kaisha	Boston, Mass.	Kobe, Japan	Lub.oil, gen.	7,658
Mussolini ²	3	4	Pan.	E. Obarrio	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Borgestad ²	3	4	Nor.	Canadian Transp. Co.	Barbados, B.W.I.	Vancouver, B. C.	Sugar.....	4,000
John Cabot	30	4	Brit.	Grace Line	Cristobal, C. Z.	Champ'co, Guat.	General.....	649
Winkleigh	3	4	Brit.	Seaboard Ship. Co.	Barry, England	Vancouver, B. C.	Ballast.....	
Rio Novo	3	4	Nor.	States Marine Corp.	Everglades, Fla.	Yawata, Japan	Scrap iron.....	2,430
Kattegat ²	4	4	Nor.	O. D. Simonsen, Jr.	New York, N. Y.	Osaka, Japan	Scrap iron.....	7,790
Kongo Maru ²	4	4	Jap.	Kokusai Kisen Kaisha	Philadelpha, Pa.	Kobe, Japan	(¹⁴)	8,193
El Cervo	4	4	Brit.	Sr. Peracca	Aruba, N. W. I.	Cabo Bl'co, Peru	Ballast.....	
Maimoa	4	4	Brit.	Shaw, Savill & Albion	Liverpool, Eng.	Wellington, N. Z.	General.....	4,483
Ermland ²	4	4	Ger.	Hamburg-Amer. Line	New Orleans, La.	Manila, P. I.	(¹⁵)	8,246
Delftdijk ²	3	5	Neth.	N. Pac. Coast Line	Rotterdam, Neth.	Vancouver, B. C.	General.....	4,490
San Lucas	4	4	Amer.	Pac.-Atlantic S. S. Co.	New York, N. Y.	Portland, Oreg.	General.....	2,534
Erlangen	4	5	Ger.	North German Lloyd	New Orleans, La.	Dunedin, N. Z.	(¹⁶)	6,119
Durazzo	2	5	Ger.	Hamburg-Amer. Line	Cristobal, C. Z.	Guayaquil, Ecua.	General.....	411
Trois Ilets	3	5	Fr.	French Line	Cristobal, C. Z.	B'ventura, Col.	General.....	36
Monte J. ⁵	2	5	Amer.	C. Smith	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
El Mirlo ^{1 2}	2	5	Brit.	C. T. Bowring & Co.	Curacao, N.W.I.	La Libertad, Ecua.	Ballast.....	
Seattle ²	4	5	Ger.	Hamburg-Amer. Line	Hamburg, Ger.	Vancouver, B. C.	General.....	3,571
Lihue	5	5	Amer.	Isthmian S. S. Lines	Mobile, Ala.	Seattle, Wash.	Iron, steel.....	6,639
Tilslington Court	5	5	Brit.	Canadian Transp. Co.	Botwood, Nfd.	Tacoma, Wash.	Copper conc.	9,804
Sambu ²	4	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Point Ancha	5	5	Amer.	Swayne & Hoyt	New Orleans, La.	Seattle, Wash.	(¹⁷)	6,165
Tomislay	5	5	J-Slav	Chile Nit. Sales Corp.	Alexandria, Egypt	Valparaiso, Chile.	Sesame seed.	974
Kentuckian	5	5	Amer.	Amer.-Hawaii Line	Boston, Mass.	Portland, Oreg.	General.....	2,332
Sona ²	4	5	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.	Ballast.....	
Enoch ³	5	5	Pan.	E. J. Hooper	Cristobal, C. Z.	Gatun, C. Z. ²⁰	Ballast.....	20
Porto Bello ³	5	5	Pan.	A. Tagaropoulos	Cristobal, C. Z.	Real, R. P.	General.....	3
Nashville ¹²	5	6	Amer.	U. S. Navy	Norfolk, Va.	Los Angeles, Cal.	Ballast.....	
Rangitata ²	5	6	Brit.	N. Z. Shipping Co.	London, England	Chalmers, N. Z.	General.....	1,855
Karnat ²	5	6	Nor.	Chile Nit. Sales Corp.	Norfolk, Va.	Tocopilla, Chile.	Phosphate	7,800
Bradfyne	5	6	Brit.	Mitsubishi Line	Tampa, Fla.	Japan	General.....	5,616
Aldington Court ²	5	6	Brit.	Canadian Transp. Co.	Sydney, C. B.	N. Westm'ir, B. C.	General.....	
Brimanger ²	5	6	Nor.	Interocean S. S. Corp.	Rotterdam, Neth.	Vancouver, B. C.	Ballast.....	
Oilpioneer ^{1 2}	5	6	Brit.	Arthur A. Rapp	Cardiff, Wales	Seattle, Wash.	Sulphate	6,993
Min ²	6	6	Nor.	North German Lloyd	New Orleans, La.	Adelaide, Aust.	Ceph., asph.	7,755
Mountpark	6	6	Brit.	Hasegawa B. Kaisha	Philadelphia, Pa.	Kobe, Japan	Scrap steel	7,711
Mount Ida	6	6	Greek	Anglo-Can. Ship. Co.	Antwerp, Belgium	Vancouver, B. C.	General.....	4,452
Santa Maria ²	6	7	Amer.	Grace Line	New York, N. Y.	Valparaiso, Chile.	General.....	2,364
C. Glare ⁶	6	7	Pan.	J. C. Waddell	Cristobal, C. Z.	Gatun, C. Z.	Ballast.....	
Telde	6	7	Hond.	United Fruit Co.	New Orleans, La.	Puntarenas, C. R.	General.....	1,176
Falcon	6	7	Amer.	Grace Line	Chester, Pa.	San Antonio, Chile	General.....	2,722
Svealand ²	7	7	Swed.	Ore S. S. Corp.	Baltimore, Md.	Cruz Gr de Chile	Ballast.....	
Hoegh Carrier ²	7	7	Nor.	Skibsaktieselskapet	Wilmington, N.C.	Moji, Japan	Scrap iron.....	8,010
Jeff Davis ²	7	7	Amer.	Roosevelt S. S. Co.	Baltimore, Md.	Haiiphong, Indo.C.	Steel, gen.	6,707
J. L. Luckenbach	7	7	Amer.	Luckenbach Line	Boston, Mass.	Seattle, Wash.	Gen., autos	3,352
Maravi	7	7	Pan.	United Fruit Co.	Boston, Mass.	Puntarenas, C. R.	R. R. matl.	2,332
President Van Buren	7	7	Amer.	Amer.-President Lines	New York, N. Y.	S. Francisco, Cal.	General.....	3,989
Phaeax	7	8	Pan.	S. Paramythiotis	New York, N. Y.	Yokohama, Japan	Scrap iron.....	9,494
Lieut. Col. H. C. Schumm ⁴	5	8	Amer.	U. S. Army	Cristobal, C. Z.	Balboa, C. Z.	(¹⁸)	
Massmar	7	8	Amer.	Calmar Line	Baltimore, Md.	Tacoma, Wash.	Steel, gen.	5,415
Ino ²	3	8	Neth.	Royal Neth. S. S. Co.	Cristobal, C. Z.	Guayaquil, Ecua.	General.....	141
Hazelside	7	8	Brit.	Canadian Transp. Co.	Botwood, Nfd.	Tacoma, Wash.	Copper conc.	7,245
Norden ²	8	8	Dan.	Norden S. S. Co.	Texas City, Tex.	Yawata, Japan	Scrap iron.....	7,723
Pan-Norway ^{1 2}	8	8	Nor.	Standard Oil of N. J.	Rotterdam, Neth.	Talara, Peru	Ballast.....	
Taiwan ²	7	8	Nor.	Mitsubishi S. Kaisha	Pt. Tampa, Fla.	Osaka, Japan	Phosphate	8,403
Sterneborg ²	8	8	Dan.	C. K. Hansen	Baltimore, Md.	Yokohama, Japan	(¹⁹)	7,856
Colombia ²	6	8	Pan.	Elliot Ship. & Land Co.	Cristobal, C. Z.	B'ventura, Col.	General.....	470
Helga	7	8	Dan.	J. Lauritzen	New York, N. Y.	Talcahuano, Chile	General.....	2,183
Hopecrest ²	8	8	Brit.	Homeport Ship. Co.	Tyne, England	Vancouver, B. C.	Ballast.....	
Helder	7	9	Neth.	Royal Neth. S. S. Co.	Hamburg, Ger.	Talcahuano, Chile	General.....	2,033
Bogota ²	6	8	Ger.	North German Lloyd	Manaua, Colom.	Guayaquil, Ecua.	General.....	911
Embassage	8	8	Brit.	Seaboard Ship. Co.	Barry, England	Vancouver, B. C.	Ballast.....	
Kaipara ²	8	9	Brit.	Mont.-Aust.-N.Z. Line	Montreal, Canada	Adelaide, Aust.	General.....	6,575
Trewellard	8	8	Brit.	Hain S. S. Line	Cardiff, Wales	Vancouver, B. C.	Ballast.....	

¹ Tanker. ² Motor ship. ³ Motor schooner. ⁴ Tug. ⁵ Launch. ⁹ Destroyer. ¹² Cruiser. ¹³ Coal, steel, general. ¹⁴ Scrap steel. ¹⁵ Cotton, oil, general. ¹⁶ Oil, sulphur, general. ¹⁷ Pipe, lumber, general. ¹⁸ Towing barge No. 45. ¹⁹ Scrap iron, machinery. ²⁰ 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	Long tons
Tacoma.....	8	8	Ger...	Hamburg-Amer. Line.	Hamburg, Ger...	Vancouver, B. C.	General.....	3,248
Ida ⁶	8	8	Amer...	W. L. Sinclair.....	Cristobal, C. Z.	Gatun, C. Z.....	Ballast.....	.....
Georgian.....	8	9	Amer...	Amer.-Hawaiian Line.	Boston, Mass.....	Seattle, Wash.....	General.....	3,095
Douro ²	8	9	Neth...	W. I. Scheepv. Maat.	Curacao, N.W.I.	Tumaco, Colom...	Gen., lard.....	1,141
Silverlaurel.....	8	9	Brit...	Kerr S. S. Co.....	New York, N. Y.	Hongkong, China.	General.....	2,718
Ranger ⁶	8	9	Amer...	R. B. Brown.....	New Orleans, La.	Puget Sd., Wash.	Ballast.....	.....
Nicolaou Virginia.	8	9	Greek.	General S. S. Corp.	London, England	Vancouver, B. C.	Ballast.....	.....
Port Hunter.....	8	9	Brit...	Port Line, Ltd.....	London, England	Wellington, N. Z.	General.....	4,222
Thermopylae ²	8	9	Nor...	Barber Line.....	New York, N. Y.	Osaka, Japan.....	(12)	9,380
Tai Ping Yang ²	9	9	Nor...	Barber-Wilhelmsen.	Baltimore, Md...	Shanghai, China.	General.....	3,966
Parthenia.....	9	9	Brit...	Donaldson & Black.	Glasgow, Scotland	Vancouver, B. C.	General.....	1,192
Adrastus.....	9	9	Brit...	Ocean S. S. Co.....	New York, N. Y.	Hongkong, China.	General.....	3,460
Maui.....	9	9	Amer...	Baltimore Mail Co.	New York, N. Y.	S. Francisco, Cal.	General.....	3,470
Sambu ²	8	.....	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.....	Ballast.....	.....
Sona ²	8	.....	Pan...	Elliot Ship. & Land Co.	Cristobal, C. Z.	Balboa, C. Z.....	Ballast.....	.....
Elmor ⁵.....	.....	.....	Pan...	H. G. Seavey.....	Cristobal, C. Z.	Balboa, C. Z.....	Ballast.....	.....
Virgilio ²	9	10	Ital.	Italia Line.....	Genoa, Italy.....	Valparaiso, Chile.	General.....	849
Oregon ²	9	11	Fr...	French Line.....	Havre, France...	Vancouver, B. C.	Gen., coke.....	4,349
Steel Exporter.....	10	10	Amer...	Isthmian S. S. Lines.	Portland, Me.....	Seattle, Wash.....	Steel, gen.....	4,649
Winona.....	10	10	Amer...	Pac. Coast Dir. Line.	New York, N. Y.	Tacoma, Wash.....	General.....	2,963
Dalfram.....	10	10	Brit...	Frances Phosphates.	Barry, England...	Makatea Island.	Ballast.....	.....
Hawaiian.....	10	10	Amer...	Amer.-Hawaiian Line.	Baltimore, Md...	Tacoma, Wash.....	General.....	2,993
Harpoon.....	10	10	Amer...	Shepard S. S. Co.....	Albany, N. Y.....	Seattle, Wash.....	General.....	3,362

PACIFIC TO ATLANTIC

Hindanger ²	10	11	Nor...	Interocean S. S. Corp.	Portland, Oreg...	Rotterdam, Neth.	(14)	7,600
Florence Luckenbach.	11	11	Amer...	Luckenbach-Gulf Co.	Seattle, Wash...	Mobile, Ala.....	General.....	5,109
Aobasan Maru ²	11	11	Jap...	Mitsui Bussan K...	Manila, P. I.....	Philadelphia, Pa.	(15)	7,995
Carolinnian.....	11	11	Amer...	Amer.-Hawaiian Line.	Seattle, Wash...	Boston, Mass.....	General.....	6,814
Ebba ²	11	14	Pan...	H. Obarrio.....	Real, R. P.....	Cristobal, C. Z.	Bananas.....	50
Sidney M. Hauptman.	11	11	Amer...	McCormick S. S. Co.	Los Angeles, Cal.	Philadelphia, Pa.	Lumber, gen.	8,455
Anatina ²	11	11	Nor...	West India Trad. Co.	Rashin, Korea...	Cobb, Ireland ¹⁸ .	Soy beans.....	8,904
Anniston City.....	11	11	Amer...	Isthmian S. S. Lines.	Portland, Oreg...	Avonmouth, Eng.	(16)	8,217
West Cactus.....	8	12	Amer...	McCormick S. S. Co.	Dawson, Wash.	Buenos Aires, Arg.	Lumber, gen.	4,355
Mussolini ²	12	13	Pan...	E. Obarrio.....	Torrens, R. P.	Cristobal, C. Z.	Bananas.....	50
Geisha ²	11	12	Nor...	Knutsen Line.....	San Antonio, Chile	Gothenb'g, Swed.	Nitrate, gen.	7,210
Gregalia.....	11	12	Brit...	Donaldson Line.....	Vancouver, B. C.	Glasgow, Scotland	General.....	7,523
Victoria City.....	12	12	Brit...	Little & Christian.	Iloilo, P. I.....	No. of Hatteras.	Sugar.....	8,150
Orbita.....	11	13	Brit...	Pacific Steam Nav. Co.	San Antonio, Chile	Liverpool, Eng.	General.....	7,837
Mahana.....	11	12	Brit...	Shaw, Savill & Albion	Auckland, N. Z.	Newcastle, Eng.	Frozen, gen.	6,512
Walter D. Munson	12	12	Amer...	Blanchard Lumber.	Portland, Oreg...	New York, N. Y.	Lumber.....	4,436
Kansai Maru ²	12	13	Jap...	Osaka Syosen Kaisya.	San Carlos, P. I.	Baltimore, Md...	General.....	7,242
O. A. Brodin.....	11	14	Swed.	Sigfried-Olsen Co.	St. Helens, Oreg.	La Guayra, Ven.	Lumber.....	1,806
Remuera.....	12	12	Brit...	N. Z. Shipping Co.	Wellington, N. Z.	London, England	Frozen, gen.	5,200
W. S. Miller ¹	12	12	Amer...	Standard Oil of Calif.	Los Angeles, Cal.	Wilmington, N.C.	Gasoline.....	8,570
Trois Ilets.....	13	15	Fr...	French Line.....	B'ventura, Col...	Cristobal, C. Z.	Coffee.....	282
City of Newport News.	13	14	Amer...	Panama-Pacific Line.	S. Francisco, Cal.	New York, N. Y.	General.....	4,360
Akaroo.....	13	13	Brit...	Shaw, Savill & Albion	Auckland, N. Z.	London, England	Frozen, gen.	5,709
Nebraskan.....	13	13	Amer...	Amer.-Hawaiian Line.	Portland, Oreg...	Boston, Mass.....	General.....	7,460
Sambu ²	13	14	Pan...	Elliot Ship. & Land Co.	Darien, R. P.....	Cristobal, C. Z.	Bananas.....	60
Taira ²	13	14	Pan...	Elliot Ship. & Land Co.	Darien, R. P.....	Cristobal, C. Z.	Bananas.....	50
California Standard. ^{1 2}	13	14	Pan...	Foreign Tankship	El Segundo, Cal.	Avonmouth, Eng.	Gasoline.....	15,206
Gen. W. M. Graham. ¹¹	14	17	Amer...	U. S. Army.....	Balboa, C. Z.....	Cristobal, C. Z.	.....	.....
Karmt.....	13	14	Nor...	Chile Nit. Sales Corp.	Tocopilla, Chile.	Wilmington, N.C.	Nitrate.....	8,875
Vermont.....	14	14	Amer...	Calif.-Eastern Line.	Portland, Oreg...	Philadelphia, Pa.	Lumber, gen.	7,893
Santa Clara.....	14	15	Amer...	Grace Line.....	San Antonio, Chile	New York, N. Y.	General.....	5,423
President De Vogue. ^{1 2}	13	14	Nor...	Raffinerie de Berre.	Talara, Peru.....	Port de Boue, Fr.	Crude oil.....	13,577
W. H. Berg ¹	14	14	Amer...	Standard Oil of Calif.	Los Angeles, Cal.	New York, N. Y.	Gasoline.....	11,934
Losmar.....	14	14	Amer...	Calmar Line.....	Longview, Wash.	Boston, Mass.....	Lumber.....	6,084
Trontolite ^{1 2}	14	15	Brit...	Imperial Oil Ship. Co.	Talara, Peru.....	Halifax, N. S.	Gasoline.....	7,500
Spencer Kellogg ¹	14	15	Amer...	Kellogg S. S. Corp.	Manila, P. I.....	New York, N. Y.	Cocoon oil.....	6,690
Komaki Maru ²	14	15	Jap...	Kokusai K. Kaisha.	Penang, Str. Sett.	Galveston, Tex.	(17)	8,145
Lochkatrine ²	15	16	Brit...	Royal Mail Lines.	Victoria, B. C.	Rotterdam, Neth.	Frozen, gen.	9,315
Dresden ²	15	16	Ger...	North German Lloyd.	Corral, Chile.....	Bremen, Germany	General.....	6,298
S-43 ⁷	15	.....	Amer...	U. S. Navy.....	Balboa, C. Z.....	Cristobal, C. Z.	.....	.....
Mallard ⁴	15	.....	Amer...	U. S. Navy.....	Balboa, C. Z.....	Cristobal, C. Z.	.....	.....
S-44 ⁷	15	.....	Amer...	U. S. Navy.....	Balboa, C. Z.....	Cristobal, C. Z.	.....	.....
S-47 ⁷	15	.....	Amer...	U. S. Navy.....	Balboa, C. Z.....	Cristobal, C. Z.	.....	.....

¹ Tanker. ² Motor ship. ⁴ Tug. ⁵ Launch. ⁶ Yacht. ⁷ Submarine. ¹¹ Mineplanter. ¹³ Scrap iron, general.
¹⁴ Wheat, lumber, general. ¹⁵ Sugar, silk, general. ¹⁶ Grain, lumber, general. ¹⁷ Cotton, rubber, oil, general.
¹⁸ For orders.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Clio ²	14	17	Neth.	Royal Neth. S. S. Co.	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Pereira	15	19	Pan.	Grace Line.	Champico, Guat.	Cristobal, C. Z.	(14)	688
Colombia ²	15	17	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee	706
Quito ²	14	17	Ger.	North German Lloyd.	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
William Luckenbach	15	15	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	(15)	6,305
Chilore	16	16	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,000
Honolulan	16	16	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Baltimore, Md.	General	6,553
Bogota ²	16	17	Ger.	North German Lloyd.	Guayaquil, Ecua.	Cristobal, C. Z.	(16)	1,089
Pacific	16	16	Amer.	Weyerhaeuser S.S. Co.	Los Angeles, Cal.	Norfolk, Va.	Lumber, gen.	7,620
Torny	15	16	Nor.	No. Atl. & Gulf Co.	Yavaros, Mexico.	New York, N. Y.	Chick peas	2,000
Eugenie Livanos.	15	16	Greek.	Seaboard Ship. Co.	Vancouver, B. C.	Avonmouth, Eng.	(17)	8,275
Trojan Star.	16	17	Brit.	Blue Star Line.	Auckland, N. Z.	Glasgow, Scotland	Frozen, gen.	5,757
Porto Bello ²	16	16	Pan.	A. Tagaropulos.	Darien, R. P.	Cristobal, C. Z.	(18)	3
Cabimas ¹	7	17	Colom.	Colombian Govt.	Balboa, C. Z.	Cartagena, Col.	Ballast	
Ino ²	17	18	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	(19)	542
Henry D. Whiton	17	17	Amer.	Dutton Lumb. Corp.	Everett, Wash.	Po'keepsie, N. Y.	Lumber	5,400
Istmo	17	17	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Manacora, Colom.	Ballast	
Jane Christenson.	16	17	Amer.	Arrow Line.	Tacoma, Wash.	Baltimore, Md.	Lumber	6,770
Drava.	17	17	J-Slav.	J-Slav Oceanska Plo.	Callao, Peru.	Bordeaux, France	Guano	5,480
Taira ²	17	18	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	60
Real ²	17	18	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	48
Yamakaze Maru ²	17	18	Jap.	Yamashita K. Kaisha	Tama, Japan	Buenos Aires, Arg.	(20)	8,163
Ebba ²	18	28	Pan.	H. Obarrio.	Darien, R. P.	Cristobal, C. Z.	Bananas	40
Derynane.	17	18	Brit.	Seaboard Ship. Co.	N. West'm's, B.C.	Philadelphia, Pa.	Lumber	8,300
Mayari.	18	18	Pan.	United Fruit Co.	Pto. Arm's, R.P.	Boston, Mass.	Ballast	
Gen. W. M. Graham, ¹¹	18	23	Amer.	U. S. Army.	Balboa, C. Z.	Cristobal, C. Z.		
Svealand ²	18	19	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,300
Mussolini ²	19	20	Pan.	E. Obarrio.	Darien, R. P.	Cristobal, C. Z.	Bananas	85
Floridan.	18	19	Amer.	Amer.-Hawaiian Line.	Seattle, Wash.	Boston, Mass.	General	5,707
Kenmar.	18	19	Amer.	Calmar Line.	S. Francisco, Cal.	Baltimore, Md.	Copper, lum.	7,132
Timber Rush.	19	19	Amer.	Shepard S. S. Co.	Seattle, Wash.	Boston, Mass.	Lumber, gen.	7,561
Devon City ²	18	19	Brit.	Sharpe & Co., Manila	Iloilo, P. I.	No. of Hatteras.	Sugar	9,047
Point Salinas.	19	19	Amer.	Gulf-Pacific Line.	Portland, Oreg.	Tampa, Fla.	Lumber, gen.	5,700
Grainton.	19	19	Brit.	Canada Shipping Co.	Vancouver, B. C.	London, England	Grain	9,300
Atelhegrent ^{1 2}	18	19	Brit.	United Molasses Co.	Pt. Allen, T. H.	Birkenhead, Eng.	Molasses	13,774
Elisabeth Bakke ²	19	19	Nor.	Knut Knutsen, O.A.S.	Vancouver, B. C.	Belfast, Ireland.	Lumber, gen.	7,740
Ivaran ²	19	21	Nor.	De La Rama Line.	Iloilo, P. I.	New York, N. Y.	General	7,940
Pacific Pioneer ²	20	20	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General	7,656
Navarino.	20	20	Brit.	Seaboard Ship. Co.	Nanooose, B. C.	S'ampton, Eng.	Wheat, lum.	8,750
Rushpool.	20	20	Brit.	Anglo-Can. S. S. Co.	Victoria, B. C.	Liverpool, Eng.	Lumber, gen.	8,450
Osorno ²	20	21	Ger.	Hamburg-Amer. Line.	Corral, Chile	Hamburg, Ger.	General	7,311
Northleigh.	20	20	Brit.	Seaboard Ship. Co.	Pt. Alberni, B.C.	London, England	Grain, lum.	9,520
Sambu ²	20	21	Pan.	Elliot Ship. & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	33
Poseidon.	20	21	Ger.	F. Lacisz.	Corral, Chile	Hamburg, Ger.	General	8,045
Boxhill.	21	21	Brit.	Counties Management	Pt. Alberni, B.C.	Hull, England.	Lum., grain	8,756
Sessa.	21	21	Dan.	West Coast Line.	Arica, Chile	New York, N. Y.	General	2,658
Acajutla.	21	27	Brit.	Pacific Steam Nav. Co.	Champico, Guat.	Cristobal, C. Z.	Coffee, gen.	630
Santa Maria ²	21	21	Amer.	Grace Line.	San Antonio, Chile	New York, N. Y.	Metal, fruit.	3,878
Llanberis.	21	21	Brit.	Seaboard Ship. Co.	Seattle, Wash.	Manchester, Eng.	Wheat, lum.	7,825
Arkansas.	21	21	Amer.	Amer.-Hawaiian Line.	Portland, Oreg.	Boston, Mass.	General	5,115
Moana ^{2 6}	15	24	Amer.	William B. Leeds.	San Diego, Calif.	New York, N. Y.	General	
Maui	21	22	Amer.	Baltimore Mail Co.	Los Angeles, Cal.	Baltimore, Md.	General	4,481
Nicolas D. L.	22	22	Greek.	Seaboard Ship. Co.	Pt. Alberni, B. C.	London, England	Grain, lum.	9,200
Nero ²	22	24	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	Cocoa, hides.	183
Yorkmoor	22	22	Brit.	Canadian Transp. Co.	Vancouver, B. C.	London, England	Lum., grain	6,628
Canada ²	22	22	Swed.	Johnson Line.	Valparaiso, Chile.	Antwerp, Belgium	Nitrate, gen.	8,791
Colombia ²	22	24	Pan.	Elliot Ship. & Land Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, gen.	709
Edward Luckenbach.	22	22	Amer.	Luckenbach Line.	Townsend, Wash.	Boston, Mass.	General	5,465
Seakay ¹	22	23	Amer.	Shell Oil Co.	Los Angeles, Cal.	Baltimore, Md.	Gasoline	16,418
Andrea F. Luckenbach.	22	23	Amer.	Luckenbach Line.	Seattle, Wash.	Boston, Mass.	General	8,241
Salty Bill ⁶	22		Amer.	R. M. Turner.	Balboa, C. Z.	Miraflores Lake.	Ballast	
Telde	22	23	Hond.	United Fruit Co.	Corinto, Nic.	New Orleans, La.	(21)	540
Talamanca ²	20	23	Pan.	United Fruit Co.	Balboa, C. Z.	Bocas, R. P.	Tow. barge.	
San Pedro ¹³	22	23	C. R.	United Fruit Co.	Balboa, C. Z.	Bocas, R. P.	Ballast	
Fella ²	23	24	Ital.	Italian Line.	Vancouver, B. C.	Trieste, Italy.	General	5,573
Cerigo.	23	26	Ger.	Hamburg-Amer. Line.	Guayaquil, Ecua.	Cristobal, C. Z.	(22)	1,110
Ino ²	23	27	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides.	321
Henry S. Grove.	23	23	Amer.	Isthmian S. S. Lines.	Portland, Oreg.	Mobile, Ala.	Lumber, gen.	2,355
Bogota ²	17	23	Ger.	North German Lloyd.	Balboa, C. Z.	Cristobal, C. Z.	Ballast	
Alaska.	22	23	Nor.	Canadian Transp. Co.	Pt. Alberni, B. C.	W. Har'pool, Eng.	Lumber	7,200
Sanuki Maru ²	23	23	Jap.	Nippon Yusen Kaisya	Nagasaki, Japan.	Hamburg, Ger.	Lumber, gen.	8,173
Santore.	21	23	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	11,500
La Brea ¹	23	23	Amer.	Union Oil of Calif.	Olum, Calif.	Carteret, N. J.	Fuel oil.	9,378

¹ Tanker. ² Motor ship. ⁶ Launch. ¹¹ Mineplanter. ¹³ Barge. ¹⁴ Coffee, sugar, logs. ¹⁵ Canned goods, pulp, wool. ¹⁶ Wood, coffee, general. ¹⁷ Lumber, oats, wheat. ¹⁸ Plantains, corn. ¹⁹ Ivory nuts, general. ²⁰ Sugar, ore, general. ²¹ Coffee, wood, general. ²² Hides, nuts, coffee.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Porto Bello ² ...	23	23	Pan...	A. Tagaropoulos.....	Darien, R. P....	Colon, R. P....	(15)	5
Gen. W. M. Graham, ¹	24	...	Amer.	U. S. Army.....	Balboa, C. Z....	Cristobal, C. Z....	.....	.....
Bencruaean.....	24	24	Brit...	Anglo-Can. S. S. Co...	Victoria, B. C....	London, England	(16)	7,514
Scottish Heather ¹	24	25	Brit...	Standard Oil of N. J...	Talara, Peru....	Valla, Norway...	Crude oil....	9,605
Slendal ^{1 2}	23	24	Nor...	Eagle Oil & Ship. Co.	Los Angeles, Cal.	Lands End ¹⁴ ...	Kerosene....	9,878
H. D. Collier ¹ ...	24	24	Amer.	Standard Oil of Calif.	Los Angeles, Cal.	Havre, France...	Octane gas...	11,300
San Marcos.....	24	24	Amer.	Quaker Line.....	Longview, Wash.	Philadelphia, Pa.	Lumber, gen.	6,894
Azumasan Maru ²	24	24	Jap...	Mitsui & Co.....	Cebu, P. I.....	New York, N. Y.	Sugar, gen.	8,385
Benjamin Franklin, ²	24	25	Nor...	Fred Olsen & Co....	N. Westm'r, B.C.	Oslo, Norway...	General....	7,140
Sambu ²	24	25	Pan...	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z....	Bananas....	63
Sona ²	24	26	Pan...	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z....	Bananas....	37
Lebore.....	25	25	Amer.	Ore S. S. Corp....	Cruz Gr'de, Chile	Baltimore, Md...	Iron ore....	21,500
Wildwood.....	24	25	Amer.	Puget Sd. Asso. Mills.	Tacoma, Wash...	New York, N. Y.	Lumber....	7,069
San Jose.....	24	26	Fr...	French Line.....	Vancouver, B. C.	Havre, France...	(17)	6,024
Newton Beech...	24	25	Brit...	Seaboard Ship. Co...	Victoria, B. C....	Hull, England...	Grain, lum.	7,000
Korana.....	24	25	J-Slav	Chile Nit. Sales Corp.	Iquique, Chile...	Azores ¹⁴	Nitrate....	8,135
Edgar F. Luckenbach,	24	25	Amer.	Luckenbach-Gulf Co.	Portland, Oreg...	Tampa, Fla....	Lumber, gen.	4,800
Gryfevale.....	25	25	Brit...	Chile Nit. Sales Corp.	Taltal, Chile....	Azores ¹⁴	Nitrate....	7,785
Trois Ilets.....	25	27	Fr...	French Line.....	B'ventura, Col...	Cristobal, C. Z....	(18)	332
Lise ^{1 2}	25	25	Nor...	Shell Oil Co.....	Los Angeles, Cal.	Lands End, Eng.	(19)	10,017
Panaman.....	25	25	Amer.	Amer.-Hawaiian Line.	Townsend, Wash.	Boston, Mass...	General....	6,827
Kirisima Maru ²	25	26	Jap...	Kokusai Kisen Kaisha	Manila, P. I....	New York, N. Y.	General....	8,398
Schwaben.....	25	26	Ger...	North German Lloyd.	Vancouver, B. C.	Hamburg, Ger...	General....	8,589
Ganges.....	25	25	Brit...	Canadian Transp. Co.	Vancouver, B. C.	Garston, Eng...	(20)	8,090
Dalcarn.....	25	26	Brit...	Campbell Brothers...	Makatea Island.	Landskrona, Swed	Phosphate...	7,820
Axel Johnson ² ...	26	26	Swed.	Johnson Line.....	Vancouver, B. C.	Stockholm, Swed.	(21)	5,876
Mussolini ²	26	27	Pan...	E. Obarrio.....	Darien, R. P....	Cristobal, C. Z....	Bananas....	90
Kunikawa Maru ²	26	27	Jap...	Kawasaki K. Kaisha	Manila, P. I....	New York, N. Y.	General....	8,363
Silverpalm ²	25	27	Brit...	Kaiser Line.....	Belawan, Sumatra	Capetown, Africa	General....	7,017
Primerio ²	26	26	Nor...	De La Rama S.S. Co.	Hinigaran, P. I.	No. of Hatteras.	Sugar....	7,500
Fernellif ²	26	26	Nor...	Chile Nit. Sales Corp.	Tocopilla, Chile.	Jacksonville, Fla.	Nitrate....	7,790
Nyborn ²	26	26	Nor...	Knutsen Line.....	Vancouver, B. C.	Cardiff, Wales...	General....	7,021
Trondanger ² ...	26	27	Nor...	Interocean S. S. Corp.	Vancouver, B. C.	Rotterdam, Neth.	(22)	9,131
El Oso ¹	26	26	Brit...	C. T. Bowring & Co.	Cabo Bl'co, Peru.	Ellesmere, Eng.	Bulk oil....	10,272
Aconagua ²	27	27	Chile	Sud Amer. de Vapores	Corral, Chile....	Hamburg, Ger...	General....	4,089
Hoxbar ¹	27	27	Amer.	Shell Union Oil Co.	Los Angeles, Cal.	Fall River, Mass.	Fuel oil....	10,113
Washingtonian...	26	27	Amer.	Amer.-Hawaiian Line.	Colombia River...	Baltimore, Md...	Lumber, gen.	7,162
Hegira.....	27	27	Amer.	Weyerhaeuser S.S. Co.	Pt. Gamble, Wash.	Baltimore, Md...	Lumber, gen.	10,768
Carabobo ¹³ ...	23	27	Colom.	Colombian Govt...	B'ventura, Col...	Cartagena, Col...	.....	.....
City of Los Angeles,	27	28	Amer.	Panama-Pacific Line..	S. Francisco, Cal.	New York, N. Y.	General....	3,708
Pluviose ¹	27	27	Fr...	Raffinerie de Berre...	Talara, Peru....	Berre, France...	Crude oil....	13,453
Portmar.....	27	27	Amer.	Calmar Line.....	Seattle, Wash...	Philadelphia, Pa.	Lumber....	7,123
Corrientes.....	27	27	Brit...	Donaldson Line....	Victoria, B. C....	Glasgow, Scotland	Fruit, gen.	6,174
Lieut. Col. H. C. Schumm, ⁴	27	28	Amer.	U. S. Army.....	Balboa, C. Z....	Cristobal, C. Z....	.....	.....
Tuira ²	27	28	Pan...	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z....	Bananas....	53
Real ²	27	28	Pan...	Elliot Ship. & Land Co.	Darien, R. P....	Cristobal, C. Z....	Bananas....	49
Bethore.....	28	28	Amer.	Ore S. S. Corp....	Cruz Gr'de, Chile	Baltimore, Md...	Iron ore....	21,500
Orazio ²	27	29	Ital	Italian Line.....	Valparaiso, Chile.	Genoa, Italy....	General....	2,523
Moshi ^{1 2}	27	28	Nor...	Petroleos Mexicanos.	Guaymas, Mexico	Tampico, Mexico	Ballast....	.....
Bennekom.....	27	29	Neth.	Royal Neth. S. S. Co.	Corral, Chile....	Hamburg, Ger...	General....	8,789
Spreewald ² ...	27	29	Ger...	Hamburg-Amer. Line.	Manila, P. I....	New Orleans, La.	(23)	6,187
Dusseldorf ² ...	27	29	Ger...	North German Lloyd.	Talcahuano, Chile	Hamburg, Ger...	General....	5,646
George G. Henry ¹	28	28	Amer.	Standard Oil of N. J.	Talara, Peru....	So'ampton, Eng.	Gas oil....	9,402
S. C. T. Dodd ¹ ...	28	28	Amer.	Standard Oil of N. J.	El Segundo, Cal.	New York, N. Y.	Gasoline....	9,255
Feruwood ² ...	28	28	Nor...	Fearnley & Eger....	Manila, P. I....	U. S. Atl. ports.	Sugar....	8,000
Hallingdal ² ...	28	29	Nor...	Boe & Pedersen....	Nauru, S. Pacific	Hull, England...	Phosphate...	5,350
Santa Rita ² ...	28	29	Amer.	Grace Line.....	Chanaral, Chile.	New York, N. Y.	Copper, gen.	3,651
Tancred ²	27	29	Nor...	Barber Line.....	Zamboanga, P. I.	New York, N. Y.	General....	7,748
Nevadan.....	28	29	Amer.	Amer.-Hawaiian Line.	Portland, Oreg...	Boston, Mass...	General....	6,400
Evi Livanos.....	28	29	Greek	Seaboard Ship. Co...	Portland, Oreg...	London, England	Lum., wheat	8,381
Hamakua.....	28	29	Amer.	Matson Nav. Co....	Port Allen, T. H.	Baltimore, Md...	Sugar, pines.	8,293
Scottish Star...	29	29	Brit...	Blue Star Line.....	Vancouver, B. C.	Newcastle, Eng.	Frozen, gen.	5,600
Swiftscout ¹ ...	29	29	Amer.	Shell-Union Oil Co...	Los Angeles, Cal.	New York, N. Y.	Fuel oil....	11,177
Willamette Valley, ²	29	29	Brit...	Reardon-Smith Line..	Pulupandan, P. I.	New Orleans, La.	Sugar....	8,000
Colombia ²	29	1	Pan...	Elliot Ship. & Land Co.	B'ventura, Col...	Cristobal, C. Z....	Coffec....	793
Belinda ^{1 2}	29	1	Nor...	Arth H. Mathiesen...	Los Angeles, Cal.	Lands End ¹⁴ ...	Gasoline....	11,638
Marymar.....	29	30	Amer.	Calmar Line.....	Seattle, Wash...	Baltimore, Md...	Lum., copper	8,425
Robert Luckenbach,	29	30	Amer.	Luckenbach Line....	Tacoma, Wash...	Boston, Mass...	Lumber, gen.	6,213
Clio ²	29	1	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z....	(24)	122
John Cabot.....	30	4	Brit...	Grace Line.....	Champ'ico, Guat.	Cristobal, C. Z....	General....	902

¹ Tanker. ² Motor ship. ⁴ Tug. ¹¹ Mineplanter. ¹³ Gunboat. ¹⁴ For orders. ¹⁵ Plantains, lumber. ¹⁶ Lumber, lead, doors, general. ¹⁷ Wheat, lumber, general. ¹⁸ Coffee, ivory nuts. ¹⁹ Benzine, kerosene. ²⁰ Wheat, pulp, lumber. ²¹ Wheat, fruit, general. ²² Grain, lumber, general. ²³ Copra, sugar, general. ²⁴ Cacao, balsa, hides.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Charles R. McCormick	30	30	Amer.	McCormick S. S. Co.	Seattle, Wash.	Philadelphia, Pa.	Lumber, gen.	6,989
Porto Bello ²	30	30	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(14)	4
Kaimoku	30	1	Amer.	Matson Nav. Co.	Honolulu, T. H.	Boston, Mass.	(15)	7,861
Steel Voyager	30	1	Amer.	Isthmian S. S. Lines	Honolulu, T. H.	Baltimore, Md.	(16)	8,497
San Simon	30	1	Amer.	Quaker Line	Portland, Oreg.	Philadelphia, Pa.	Lumber, gen.	6,626
Bullaren ²	1	1	Swed.	Transatlantic S.S. Co.	Port Pirie, Aust.	London, England	Lead, copra	8,835
Lochmonar ²	1	2	Brit.	Royal Mail Lines	Victoria, B. C.	Rotterdam, Neth.	Frozen, gen.	8,004
Real ²	1	3	Pan.	Elliot Ship & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	30
Tura ²	1	3	Pan.	Elliot Ship & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	45
Point Chico	1	3	Amer.	Gulf-Pacific Line	Portland, Oreg.	Panama City, Fla.	Lumber, gen.	4,722
Lodestone	1	3	Brit.	Seaboard Ship. Co.	Brit. Columbia	Great Britain	Wheat, lum.	8,440
Ebba ²	2	2	Pan.	H. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	52
Gemstone	1	2	Brit.	Canadian Transp. Co.	Vancouver, B. C.	Grangem, Scot.	Wheat, lum.	8,215
Durazzo	2	2	Ger.	Hamburg-Amer. Line	Guayaquil, Ecua.	Cristobal, C. Z.	Coffee, gen.	1,181
Langecrag	2	2	Brit.	F. Carrick & Co.	Englewood, B. C.	Hull, England	Wheat, lum.	8,570
Swiftarrow ¹	1	2	Amer.	Shell Oil Co.	Los Angeles, Cal.	Fall Riv., Mass.	Fuel oil	11,250
Port Montreal ²	2	3	Brit.	M. A. N. Z. Line	Wellington, N. Z.	Montreal, Canada	(17)	2,669
Sea Nymph ²	1	4	Amer.	G. P. Seelye	Talara, Peru	New York, N. Y.	Ballast	.....
Michael J. Goul- andris	2	2	Hellen.	Anglo-Can. S. S. Co.	Brit. Columbia	So'ampton, Eng.	Lum., conc.	9,500
Port Saint John ²	2	3	Brit.	M. A. N. Z. Line	Adelaide, Aust.	Montreal, Canada	General	3,489
Marore	3	3	Amer.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,500
Friedrich Brene ¹	2	3	Ger.	W. Tankschiff Rhed'l.	Talara, Peru	Rotterdam, Neth.	(18)	14,463
Lake Miraflores	2	3	Amer.	Marine Products Co.	S. Francisco, Cal.	New York, N. Y.	Ballast	.....
Trois Ilets	3	4	Fr.	French Line	B'ventura, Col.	Cristobal, C. Z.	Coffee	335
Point Arena	3	3	Amer.	Swayne & Hoyt	Longview, Wash.	Tampa, Fla.	(19)	5,680
Mussolini ²	2	3	Pan.	E. Obarrio	Darien, R. P.	Cristobal, C. Z.	Bananas	75
Orduna	3	3	Brit.	Pacific Steam Nav. Co.	Taleahuano, Chile	Liverpool, Eng.	Copper, gen.	6,426
Ino ²	3	8	Neth.	Royal Neth. S. S. Co.	B'ventura, Col.	Cristobal, C. Z.	Coffee, hides	530
Leise Maersk ²	3	3	Dan.	H. J. Baker & Bro.	Guanape Is., Peru	Boston, Mass.	Bird guano	4,700
Arizonan	3	3	Amer.	Amer.-Hawaiian Line	Portland, Oreg.	Boston, Mass.	Lumber, gen.	5,577
King City	3	4	Brit.	Mitsubishi Shoji K.	Rashin, Korea	Aarhus, Denmark	Soy beans	8,200
Royal Crown	3	3	Brit.	Chile Nit. Sales Corp.	Iquique, Chile	Azores ¹³	Nitrate	7,970
Woodeck ⁵	3	3	Amer.	Lt. Paul Howard	Baiboa, C. Z.	Miraflores, C. Z.	Ballast	.....
Sambu ²	4	5	Pan.	Elliot Ship & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	43
Sona ²	4	5	Pan.	Elliot Ship & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	28
Pennsylvania Sun ¹	2	4	Amer.	Sun Oil Co.	El Segundo, Calif.	Marcus Hook, Pa.	Gasoline	17,530
Cathwood ¹	4	4	Amer.	Union Oil of Calif.	Pt. San Luis, Calif.	Savannah, Ga.	Crude oil	9,318
Lieut. Col. H. C. Schumm ⁴	5	7	Amer.	U. S. Army	Baiboa, C. Z.	Cristobal, C. Z.	Tow. barge	.....
Niel Maersk ²	4	6	Dan.	A. P. Moller	Cebu, P. I.	Savannah, Ga.	General	6,303
Salvador	4	4	Brit.	Pacific Steam Nav. Co.	Champ'ico, Guat.	Cristobal, C. Z.	General	858
Ashworth	5	5	Brit.	United Potash Co.	Los Angeles, Cal.	Hull, England	Potash	7,552
Santa Lucia	5	6	Amer.	Grace Line	Valparaiso, Chile	New York, N. Y.	General	3,955
Lobos ²	5	6	Brit.	Pacific Steam Nav. Co.	Taleahuano, Chile	Glasgow, Scotland	General	6,847
Nosiro Maru ²	6	6	Jap.	Nippon Yusen Kaisha	Iloilo, P. I.	New York, N. Y.	Silk, gen.	6,790
Nero ²	6	10	Neth.	Royal Neth. S. S. Co.	Guayaquil, Ecua.	Cristobal, C. Z.	(20)	303
Colombia ²	6	8	Pan.	Elliot Ship & Land Co.	B'ventura, Col.	Cristobal, C. Z.	General	711
Paul Luckenbach	6	6	Amer.	Luckenbach Line	Seattle, Wash.	Boston, Mass.	Lumber, gen.	6,725
Texas Sun ¹	6	7	Amer.	Sun Oil Co.	Los Angeles, Cal.	Chester, Pa.	Gasoline	14,951
Nordhval ²	6	7	Dan.	P. Brown, Jr.	Portland, Oreg.	Falm'th, Eng. ¹²	Wheat	7,900
Zvir	6	7	Slav.	Seaboard Ship. Co.	Portland, Oreg.	Liverpool, Eng.	Grain, lum.	7,550
Pacific Grove ²	6	7	Brit.	Furness, Withy & Co.	Vancouver, B. C.	Manchester, Eng.	General	7,535
Orotava	6	8	Hond.	United Fruit Co.	La Union, Salv.	New Orleans, La.	Coffee, sugar	531
Quito ²	7	8	Ger.	North German Lloyd	Guayaquil, Ecua.	Cristobal, C. Z.	Rub'r, coffee	845
Hertford	7	7	Brit.	Fed. Steam Nav. Co.	New Zealand	Liverpool, Eng.	Frozen, gen.	6,113
Tosan Maru ²	7	8	Jap.	Osaka Shosen Kaisha	Davao, P. I.	Baltimore, Md.	General	7,626
Kinross ²	7	7	Brit.	Anglo-Can. S. S. Co.	Vancouver, B. C.	Leith, Scotland	Wheat, lum.	8,674
Europa ²	7	8	Dan.	East Asiatic Co.	Vancouver, B. C.	Copenhagen, Den.	Grain, gen.	9,340
Amerikaland ²	7	8	Swed.	Ore S. S. Corp.	Cruz Gr'de, Chile	Baltimore, Md.	Iron ore	22,300
City of San Francisco	8	8	Amer.	Panama-Pacific Line	S. Francisco, Cal.	New York, N. Y.	General	2,279
Hunter Liggett ⁸	7	8	Amer.	U. S. Army	S. Francisco, Cal.	New York, N. Y.	General	4,148
Moncerate ²	7	9	Ger.	Hamburg-Amer. Line	Valparaiso, Chile	Hamburg, Ger.	General	6,202
Woodeck ⁴	8	8	Amer.	U. S. Navy	Baiboa, C. Z.	Cristobal, C. Z.	.....	.....
Californian ²	7	8	Amer.	Amer.-Hawaiian Line	S. Francisco, Cal.	Boston, Mass.	General	3,721
Queen Victoria ²	7	8	Brit.	Canadian Transp. Co.	Pt. Alberni, B. C.	London, England	Lum., wheat	9,015
Steel Age	7	8	Amer.	Isthmian S. S. Lines	Los Angeles, Cal.	New York, N. Y.	Sugar	8,922
Tatnall ⁹	8	8	Amer.	U. S. Navy	Baiboa, C. Z.	Cristobal, C. Z.	.....	.....
Sylvan Arrow ¹	8	8	Amer.	Asiatic Pet. Co.	Los Angeles, Cal.	Bayonne, N. J.	Fuel oil	12,604
San Vincente	8	8	Amer.	Quaker Line	Longview, Wash.	Philadelphia, Pa.	Lumber, gen.	5,587
Sambu ²	8	9	Pan.	Elliot Ship & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	56
Porto Bello ²	8	8	Pan.	A. Tagaropoulos	Darien, R. P.	Colon, R. P.	(21)	5
Sona ²	8	9	Pan.	Elliot Ship & Land Co.	Darien, R. P.	Cristobal, C. Z.	Bananas	35
Rotorua	8	9	Brit.	N. Z. Shipping Co.	Lyttelton, N. Z.	Glasgow, Scotland	Frozen, gen.	6,790
Coryton	8	9	Brit.	Anglo-Can. S. S. Co.	N. Westm'er, B.C.	London, England	(22)	7,545

¹ Tanker. ² Motor ship. ³ Tug. ⁴ Launch. ⁵ Yacht. ⁶ Transport. ⁷ Destroyer. ⁸ For orders. ⁹ Plantains, lumber. ¹⁰ Sugar, canned pineapples, cane. ¹¹ Sugar, canned pineapples. ¹² Wool, hides, tallow, gum. ¹³ Naphtha, gas oil. ¹⁴ Lumber, sugar, general. ¹⁵ Wood, cacao, ivory nuts. ¹⁶ Plantains, lumber. ¹⁷ Spelter, grain, lumber.

PACIFIC TO ATLANTIC—Continued

Ship	Date arrived	Date cleared	Nationality	Line (Charterer or operator)	Port		Cargo	
					From—	For—	Nature	Long tons
Bodegraven.....	8	9	Neth..	Royal Neth. S. S. Co.	Corral, Chile...	Hamburg, Ger...	General.....	7,614
Marna.....	8	9	Dan..	Wessel, Duval & Co.	Valparaiso, Chile.	New York, N. Y.	Nitrate, gen.	2,602
Liberty Glo.....	9	9	Amer..	Amer.-Foreign Corp.	Tacoma, Wash...	New York, N. Y.	Lumber.....	7,700
Sagittaire ²	10		Fr....	Messageries Marit'es.	Noumea, N.Caled	Marseille, France.	(¹³)	6,861
Tropic Star ²	9	10	Nor....	Chile Nit. Sales Corp.	Iquique, Chile...	Savannah, Ga...	Nitrate.....	8,325
Baron Fairlie.....	10	10	Brit...	Brit. Phosphate Co...	Nauru, So. Sea I.	Hull, England...	Phosphate...	9,250
King William.....	10	10	Brit...	Seaboard Ship. Co...	Portland, Oreg...	London, England	Wheat, lum.	8,036
Reina.....	10	10	J-Slav.	Seaboard Ship. Co...	Pt. Alberni, B. C.	Cardiff, Wales...	Wheat, lum.	8,700
Baron Minto.....	10	10	Brit...	H. Hogarth & Sons...	Nauru, So. Sea I.	Grangem'h, Scot.	Phosphate...	8,500
Texan.....	10	10	Amer..	Amer.-Hawaiian Line.	Portland, Oreg...	Boston, Mass...	Lumber, gen.	5,630
Flomar.....	10	10	Amer..	Calmar Line.....	Newport, Oreg...	Baltimore, Md...	(¹⁴)	7,565

² Motor ship. ¹³ Copal, nickel, general. ¹⁴ Lumber, wood pulp.**Commercial Traffic Through the Panama Canal During Fiscal Year 1939**

Segregation of the ocean-going traffic through the Canal during the fiscal year 1939, by nationality, is presented in the following table:

TRAFFIC THROUGH THE PANAMA CANAL DURING FISCAL YEAR 1939 BY NATIONALITY OF VESSELS

Nationality	No. of ships	TONNAGE			Tolls	Tons of cargo
		Panama Canal net	Registered gross	Registered net		
Belgian.....	1	5,900	8,718	4,752	\$5,310.00	12,483
British.....	1,502	7,670,148	9,462,345	5,734,048	6,610,453.26	6,801,556
Chilean.....	26	106,340	156,125	92,626	94,518.90	62,904
Danish.....	200	758,021	865,500	524,441	664,454.16	727,552
French.....	107	531,238	710,044	358,708	473,438.38	501,752
German.....	361	1,454,702	1,830,050	1,066,578	1,299,223.44	1,468,996
Greek.....	117	553,999	627,338	381,590	469,487.70	666,471
Honduran.....	37	59,766	100,475	59,101	51,474.60	23,208
Italian.....	59	324,926	463,312	275,069	298,816.32	179,468
Japanese.....	261	1,518,254	2,021,556	1,250,844	1,354,716.54	1,710,303
Latvian.....	1	2,738	3,204	1,875	2,464.20	4,870
Netherlands.....	312	804,627	943,574	559,476	701,670.06	675,105
Norwegian.....	704	3,199,352	3,770,432	2,248,510	2,709,337.68	3,408,078
Panamanian.....	193	359,013	493,803	294,347	299,174.40	371,721
Peruvian.....	6	12,088	17,786	10,590	10,879.20	8,339
Philippine.....	5	24,025	26,060	15,420	21,622.50	37,057
Soviet.....	8	17,654	26,320	15,338	17,488.60	19,926
Swedish.....	157	719,861	1,254,967	654,787	613,432.98	1,008,245
United States.....	1,788	8,799,510	11,494,098	6,977,214	7,758,390.78	9,909,380
Venezuelan.....	2	3,468	5,630	3,144	2,809.08	2,300
Yugoslav.....	56	244,377	301,748	186,828	201,858.30	266,913
Total fiscal year 1939.....	5,903	27,170,007	34,583,085	20,745,286	23,661,021.08	27,866,627
Total fiscal year 1938.....	5,524	25,950,000	32,918,177	19,621,870	23,169,888.70	27,385,924
Total fiscal year 1937.....	5,387	25,430,000	32,575,300	19,303,366	23,102,137.12	28,108,375

¹ Estimated tonnage under rules which became effective 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 22 foreign naval vessels of 500 tons displacement and over and 1 United States dredge which transited the Canal during the fiscal year 1939 and paid tolls on displacement:

Nationality	No. of transits	Displacement tonnage	Tolls
British.....	17	61,617	\$30,808.50
French.....	1	7,775	3,887.50
Italian.....	2	18,843	9,421.50
Soviet.....	2	3,200	1,600.00
United States (dredge).....	1	1,296	648.00
Total.....	23	92,731	46,365.50

Comparison of Traffic at the Suez and Panama Canals for the 12 Months Ended May 31, 1938 and 1939

Month	Suez Canal				Panama Canal			
	Number of transits		Percent		Number of transits		Percent	
	1938-39	1937-38	Increase	Decrease	1938-39	1937-38	Increase	Decrease
June.....	469	540	.....	13.1	445	472	.....	5.7
July.....	509	551	.....	7.6	429	457	.....	6.1
August.....	522	531	.....	1.7	468	505	.....	7.3
September.....	508	522	.....	2.7	438	444	.....	0.9
October.....	540	557	.....	3.1	494	461	7.2	.....
November.....	495	526	.....	5.9	505	435	16.1	.....
December.....	503	541	.....	7.0	506	439	15.9	.....
January.....	472	544	.....	13.2	525	444	18.2	.....
February.....	466	508	.....	2.4	501	436	14.9	.....
March.....	536	578	.....	7.3	553	506	9.3	.....
April.....	509	516	.....	1.4	496	487	1.8	.....
May.....	508	479	6.1	.....	506	465	8.8	.....
Total.....	6,067	6,393	.....	5.1	5,869	5,551	5.7	.....

Directory of The Panama Canal

Executive Department

Headquarters, Balboa Heights

Brig. Gen. C. S. RIDLEY, U. S. A., Governor.

E. A. Erbe, Special Assistant to the Governor.

L. A. Poltrino, Secretary.

C. A. McILVAINE, Executive Secretary.

C. M. LUFER, Chief Clerk.

GUY JOHANNES, Chief, Police and Fire Division.

C. H. CALHOUN, Chief, Division of Civil Affairs.

BEN M. WILLIAMS, Superintendent, Division of Schools.

SEYMOUR PAUL, Director of Personnel, Division of Personnel Supervision and Management.

E. F. ATTAWAY, General Secretary, Bureau of Clubs and Playgrounds, Balboa.

F. H. WANG, General Counsel.

Capt. CHARLES SOMMERS, U. S. A., Senior Aeronautical Inspector.

ROBERT W. GLAW, Paymaster.

ALFRED H. MOHR, Collector.

Department of Operation and Maintenance

(Under immediate direction of the Governor assisted by the Engineer of Maintenance)

Headquarters, Balboa Heights

Col. GLEN 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. D. L. WEART, U. S. A., Assistant Engineer of Maintenance.

R. Z. KIRKPATRICK, Engineering Assistant to the 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.

G. E. Matthew, Acting Chief of Surveys.

Capt. THOS. A. SYMINGTON, U. S. N., Marine Superintendent, Marine Division.

Comdr. NICHOLAS VYTLACIL, 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. NICHOLAS VYTLACIL, 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.

Department of Operation and Maintenance—Continued

- 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. Robert A. Hinners (C. C.), 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.
 J. M. KING, District Quartermaster, Ancon-Balboa, Balboa Heights.
 C. PETERS, District Quartermaster, Cristobal-Gatun, Cristobal.
 B. T. CARR, District Quartermaster, Pedro Miguel-Gamboa, Pedro Miguel.
 W. R. LINDSAY, Director, Canal Zone Experiment Gardens, Balboa Heights.
 L. W. LEWIS, 2d Asst. Chief Quartermaster.
 FAY E. POWELL, Constructing Quartermaster.
 E. H. PARMELEE, General Storekeeper, Balboa.
 SAMUEL GRIER, Superintendent, Animal and Motor Transportation Division, Ancon.
 T. A. AANSTOOS, Printer, Panama Canal Press, Mt. Hope.

Accounting Department

Headquarters, Balboa Heights

- WILSON H. KROMER, Comptroller.
 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. MORRISON C. STAYER, U. S. A., Chief Health Officer.
 Dr. D. P. CURRY, Assistant Chief Health Officer.
 Dr. LYNN E. FULLERTON, U. S. P. H. S., Chief Quarantine Officer.
 Col. MICHAEL A. DAILEY, 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. D. L. WEART, representing The Panama Canal.
 CHARLES F. WAHL, representing employees.

Complaints Board:

- Lt. Col. D. L. WEART, and head of Department or Division interested, representing The Panama Canal.
 CHARLES F. WAHL, representing employees.

The Panama Canal in the United States

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.
 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.
 N. A. BECKER, Acting Chief Real Estate Section, Ancon, C. Z.
 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.
 A. W. GOULET, General Manager, Commissary Division, Mt. Hope.
 JAS. E. LEWIS, Manager, Hotel Tivoli, Ancon.
 D. J. HENDRICK, Manager, Hotel Washington, Cristobal.
 Capt. E. R. NORTON, U. S. N., Mechanical Superintendent.
 Lt. Col. D. L. WEART, 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.
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 G. R. SELKIRK, Treasurer.
 W. L. HALL, Acting Auditor.
 W. K. B. POTTS, Superintendent.
 WAYNE JOHNSON, General Counsel.
 W. M. LLOYD, Freight Traffic Manager.
 W. G. FITCH, Passenger Traffic Manager.
 W. J. SHERIDAN, Commissary Purchasing Agent.

Courts of Canal Zone

Ancon, C. Z.

U. S. District Court:

- BUNK GARDNER, District Judge.
 HERBERT H. HUNT, Jr., Clerk of Court.
 Miss DOROTHY SELLARS, Deputy Clerk of Court.
 Miss SARAH DE LA PENA, Deputy Clerk of Court.
 C. T. MCCORMICK, JR., Deputy Clerk of Court, Cristobal.
 J. J. MCGUIGAN, District Attorney.
 CHAS. E. RAMIREZ, Assistant District Attorney.
 JOHN E. HUSHING, Marshal of the United States in and for the Canal Zone.
 FRANK H. BASSETT, Jr., Deputy Marshal of the United States in and for the Canal Zone.

Magistrates Courts:

- F. E. MURRAY, Magistrate, Balboa.
 E. I. P. TATELMAN, Magistrate, Cristobal.

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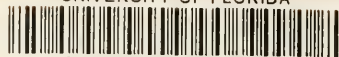
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