

REPORT
OF THE
HEALTH DEPARTMENT
OF
THE PANAMA CANAL

FOR THE
MONTH OF MAY, 1917

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D. C. HOWARD

Lieutenant-Colonel, Medical Corps, United States Army
Chief Health Officer, Balboa Heights, Canal Zone

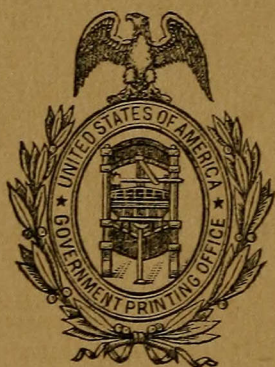
WASHINGTON
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LETTER OF TRANSMITTAL.

THE PANAMA CANAL, CANAL ZONE,
HEALTH DEPARTMENT,
Balboa Heights, Canal Zone, June 11, 1917.

Col. CHESTER HARDING,
*Governor of The Panama Canal,
Balboa Heights, Canal Zone.*

SIR: I have the honor to submit the following report of the operations of the health department for the month of May, 1917.

Very respectfully,

D. C. HOWARD,
Chief Health Officer.

GENERAL REMARKS.

The health of employees and nonemployees in the Canal Zone and terminal cities has continued good.

There has been an increase in the admission and noneffective rates of employees over those of the preceding month and the corresponding month of last year, due chiefly to the prevalence of influenza, which in some districts has been mildly epidemic.

No disease of a quarantine nature originated on or was brought to the Isthmus during the month.

One bubonic plague suspect was removed from the steamship *Florence Luckenbach* from Chilean and Peruvian ports, and kept under observation until laboratory investigation proved it negative.

VITAL STATISTICS.

EMPLOYEES.

The following statistics are based upon the total number of names appearing on the pay rolls of The Panama Canal, and the Panama Railroad Co. for the preceding month, which was 33,927.

Admissions to hospitals and quarters numbered 1,079,¹ a rate of 381.64, as compared with 303.59 for the preceding month, and 285.45 for the corresponding month of last year.

Deaths from all causes numbered 19; of these 17 were from disease, giving a rate of 6.01, as compared with 2.05 for the preceding month, and 3.49 for the corresponding month of last year.

¹ All morbidity and mortality rates are computed as equivalent annual per 1,000.

The constantly noneffective rate was 9.27, as compared with 8.81 for the preceding month, and 8.59 for the corresponding month of last year.

The admission rate for malaria, hospitals and quarters, was 9.90, as compared with 4.11 for the preceding month, and 10.47 for the corresponding month of last year. The constantly noneffective rate was 0.25, the same as for the preceding month, as compared with 0.26 for the corresponding month of last year.

Diseases causing the highest admission rates to hospitals, in the order of their numerical importance, were: (1) Venereal diseases, (2) influenza, (3) malaria, (4) bronchitis, and (5) organic diseases of the heart. These five diseases caused 33 per cent of all admissions to hospitals; venereal diseases alone causing 12 per cent of total admissions, and malaria 5 per cent.

There were no admissions from typhoid fever during the month as against one for the preceding month and none for the corresponding period of last year.

By race: For disease only, the admission rate to hospital and the death rate for white employees were 357.56 and 2.54, respectively, as compared with 244.95 and 0 for the preceding month and 276.13 and 2.58 for the corresponding month of last year. For black employees, for disease only, the admission rate to hospital and the death rate were 94.12 and 6.57, respectively, as compared with 77.73 and 2.38 for the preceding month and 64.95 and 3.63 for the corresponding month of last year.

The constantly noneffective rates were 20.70 for white and 7.42 for colored employees.

The admission rate to hospitals and quarters for malaria was 30.43 for whites and 6.57 for blacks as compared with a rate of 17.50 for whites and 1.59 for blacks for the preceding month and 20.64 for whites and 8.87 for blacks for the corresponding period of last year.

One death occurred among American employees during the month as against none for the preceding month and none for the corresponding month of last year.

CANAL ZONE.

The population of the Canal Zone (employees, nonemployees, and soldiers), according to the police census of June, 1916 is 31,048. From this population 26 deaths occurred during the month, 23 of which were from disease, giving a rate of 8.89 as compared with 7.34 for the preceding month and 9.45 for the corresponding month of last year.

Of the deaths from disease, 39 per cent occurred among children under 5 years of age as compared with 47 per cent for last month.

Fifty-two births were reported during the month, giving a rate of 20.10; of these births 19 were white and 33 colored.

Seven deaths occurred among children under 1 year of age, 1 white and 6 colored, giving an infant mortality rate, based on the number of births reported for the month, of 53 for white and 182 for colored children, with a general average of 135.

Of the total births reported 5 per cent were stillbirths.

PANAMA CITY.

The population of the city, according to the census of December, 1915, is 60,778; this includes more than 10,000 employees of The Panama Canal. From this population 131 deaths occurred during the month, 127 of which were from disease, giving a rate of 25.07 as compared with 23.30 for the preceding month and 26.06 for the corresponding month of last year.

Of the total deaths from disease, 45 per cent occurred among children under 5 years of age as compared with 58 per cent for last month.

The principal causes of death as compared with last month were as follows:

	April.	May.
Pneumonia (including lobar and broncho).....	22	26
Tuberculosis (various organs).....	21	21
Diarrhea and enteritis.....	16	17

Two hundred and twenty-three births were reported during the month, giving a rate of 44.03. Forty-five deaths occurred among children under 1 year of age, giving an infant mortality rate, based on the number of births reported for the month, of 202.

Of the total births reported 4 per cent were stillbirths.

COLON.

The population of Colon, according to the census of December, 1915, is 24,693, including over 5,000 employees of The Panama Canal. From this population 48 deaths occurred during the month; 47 of which were from disease, giving a rate of 22.84 due to disease alone, as compared with 17.49 for the preceding month and 24.29 for the corresponding month of last year.

Of the deaths from disease, the percentage occurring among children under 5 years of age was 30, as compared with 44 for the preceding month.

The principal causes of death, as compared with last month, were as follows:

	April.	May.
Tuberculosis (various organs).....	5	8
Pneumonia (including lobar and broncho).....	6	7
Chronic nephritis.....	5	6

Seventy-six births were reported, giving a rate of 36.93. Twelve deaths occurred among children under 1 year of age, giving an infant mortality rate, based on the number of births reported for the month, of 158.

Of the total births reported, 4 per cent were stillbirths.

DIVISION OF HOSPITALS.

ANCON HOSPITAL.

The average number of patients constantly in the hospital proper during the month was 461, as compared with 454 for the preceding month and 429 for the corresponding month of last year. The average length of stay in hospital for each employee admitted was 19.68 days.

The new concrete admitting office and dispensary building was formally occupied May 8. Building 335, which was evacuated as admitting office and dispensary, was razed by hospital labor. All material possible was saved and shipped to Corozal Hospital for future use.

Building 334, gold bachelor sleeping quarters, was simultaneously evacuated, but no disposition had been made of building at the end of month.

Statistical charts are shown under Tables VII, VIII, and XIII.

Corozal Hospital.—The average number of insane patients constantly cared for during the month was 348, as compared with 341 for the preceding month and 277 for the corresponding month of last year.

During May, 16 patients were admitted, 2 died, and 7 were discharged.

Board of health laboratory.—No work other than routine was reported during the month. (See Table XIII.)

Chronic ward.—The average number of chronic patients cared for during the month was 25.39. During May, there were 4 discharges and no admissions.

COLON HOSPITAL.

There were constantly cared for in the hospital during the month 44.91 patients as compared with 43 for the preceding month, and 35 for the corresponding month of last year. The average length of stay in hospital for each employee admitted was 9.53 days.

Statistical charts are shown under Tables VII, VIII, and XIV.

PALO SECO LEPER ASYLUM.

The number of patients constantly cared for during the month was 65.24, as compared with 64.73 for the preceding month, and 58.54 for the corresponding period of last year. Two patients were admitted to the asylum during the month, with two deaths and one discharge among the patients.

The infirmary had five admissions and two discharges during the month. The arrangement of two wards, one for males and one for females, in this building, is working very satisfactorily, and is a much needed improvement. The new ward building, No. 23, was completed during the month, with the exception of screening and plumbing. The chapel was moved a distance of about 35 feet and placed on a direct line with the women patients' dormitory. The

space formerly occupied by the chapel will be graded and planted in grass and flowers. Pumping to the tank for the military signal station was resumed during the month, and this station is now being supplied with about 300 gallons of water daily.

SANTO TOMAS HOSPITAL.

During May 1,452 patients were treated in the hospital, as compared with 1,246 for the preceding month, and 1,348 for the corresponding month of last year. The average daily number of patients treated was 459, as compared with 410 for the preceding month, and 438 for the corresponding period of last year. The total number of days' treatment was 14,229 as compared with 12,705 for last month.

During the month 71 deaths occurred at the institution, with (1) tuberculosis, (2) diarrhea and enteritis, and (3) pneumonia the chief causes in the order named.

Statistical charts are shown under Table XV.

DIVISION OF SANITATION.

The following table shows the average weekly admission rate from malaria among employees to both hospitals and quarters during the month of May, the percentages being based on the ratio of the number of admissions from each district to the total number of employees residing therein:

District.	Number of employees.	Number admissions from malaria during month.	Average weekly admission rate.
Balboa.....	2,632	2	0.017
Ancon-Corozal.....	1,750	1	.013
Pedro Miguel.....	991	3	.068
Paraiso.....	1,750	0	.....
Culebra-Empire.....	451	0	.....
Gatun.....	1,424	3	.029
Cristobal.....	2,845	4	.032
Colon.....	5,094	1	.004
Panama City.....	10,049	7	.016
Miscellaneous ¹	6,941	7	.023

¹ Employees engaged in pasture and jungle clearing, and construction gangs, outside of above sanitized districts.

CANAL ZONE.

The various districts have been maintained in good condition. All work of a permanent nature is being discontinued for the time being, due to the advent of the rainy season, and the undivided energies of the sanitary force applied to the proper maintenance and treatment of mosquito-breeding areas and other urgent sanitary work.

The special rat catching work in Balboa, started May 8, is proceeding satisfactorily, though the total catch has been lighter than anticipated. Factors governing the work have been the greater or less accumulation of various kinds of material and equipment in connection with the building work in Balboa and the considerable amount of food material available for rats, both ashore and floating on the surface of the water in the immediate vicinity of the docks. Measures are being taken to reduce these opportunities for food and harborage in addition to constant effort to improve the technique of the rat trapping work proper.

PANAMA.

The nurse in charge of infant welfare work reports for the month of May as follows:

Station work:

Total number of babies seen.....	283
Instructions given to mothers, total cases.....	107
Treatment given babies, total cases.....	56
Histories taken, total cases.....	36
Examinations made, total cases.....	102

Outside work:

Total number of visits made.....	1, 111
Number of cases not located.....	38
Number of cases moved to Colon and Interior.....	41

General:

Number of breast-fed babies.....	152
Number of bottle-fed babies.....	11
Number of breast and bottle fed babies.....	72
Total number of babies seen.....	1, 364
Number of destitute cases given assistance.....	4
Number of cases admitted to hospital.....	5
Number of cases treated at Santo Tomas Dispensary.....	24
Number of cases treated by physician at station.....	35

Defective condition found:

Skin disease (rash).....	15
Skin disease.....	1

Babies died.....	4
------------------	---

COLON.

The mosquito catch, which had shown no anopheles since February 20 of this year, is now beginning to show this genus. This has particular reference to areas contiguous to Mindi swamp and Emiliani's pasture. The latter mentioned sections are beyond the limits of sanitated districts but in certain seasons of the year, when prevailing winds are favorable, these sections are responsible for all anopheles in the district.

The rate for tuberculosis shows 14 cases reported for May, against 7 for April. This is attributed to the advance of the rainy season, with the necessarily frequent exposure of the men, their working and sleeping in wet clothing, and the like.

QUARANTINE TRANSACTIONS.

The routine work of the quarantine division was carried on without special incident during the month. In accordance with the new immigration law, undesirables awaiting deportation have been detained at the police stations. The master of one vessel was arrested for violation of the immigration law and his case will be tried in June.

There were five deaths among the Government cattle on the old pasture areas in the vicinity of Mount Hope; the probable cause of these deaths was anthrax.

Inspection of food animals for the month of May was as follows:

Quarantine inspections:

Cattle.....	995
Swine.....	245

Ante and post mortem inspections:

Cattle.....	1,207
Swine.....	267

The usual inspection of all animals brought to the abattoir was conducted, close ante and post mortem inspection; also a microscopic examination of smear from spleen of each animal slaughtered was made. No anthrax occurred at the abattoir during the month.

TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES.

ABSOLUTE NUMBERS.

	Number of employees.	Admissions to hospitals.			Deaths.			Noneffective from sickness.	
		Total.	Disease.	External causes.	Total.	Disease.	External causes.	Days treated.	Constantly non-effective.
May, 1917:									
White.....	4,732	157	141	16	1	1	0	3,037	97.97
Black.....	29,195	308	229	79	18	16	2	6,715	216.61
Total.....	33,927	465	370	95	19	17	2	9,752	314.58
April, 1917:									
White.....	4,801	120	98	22	0	0	0	2,377	79.22
Black.....	30,260	279	196	83	10	4	4	6,892	229.74
Total.....	35,061	399	294	105	10	6	4	9,269	308.96
May, 1916:									
White.....	4,650	125	107	18	1	1	0	2,546	82.14
Black.....	29,743	221	161	60	14	9	5	6,921	223.25
Total.....	34,393	346	268	78	15	10	5	9,467	305.39

PROPORTIONATE NUMBERS.¹

May, 1917:									
White.....	4,732	398.14	357.56	40.57	2.54	2.54	.....	.....	20.70
Black.....	29,195	126.59	94.12	32.47	7.39	6.57	0.82	.....	7.42
Total.....	33,927	164.47	130.87	33.60	6.72	6.01	.71	.....	9.27
April, 1917:									
White.....	4,801	299.94	244.95	54.99	.....	.....	.....	.....	16.50
Black.....	30,260	110.64	77.73	32.91	3.96	2.38	1.58	.....	7.59
Total.....	35,061	136.56	100.62	35.94	3.42	2.05	1.37	.....	8.81
May, 1916:									
White.....	4,650	322.58	276.13	46.45	2.58	2.58	.....	.....	17.66
Colored.....	29,743	89.16	64.95	24.21	5.65	3.63	2.02	.....	7.51
Total.....	34,393	120.72	93.51	27.21	5.23	3.49	1.74	.....	8.59

¹ Annual average per 1,000 employees.

TABLE I-A.—DEATHS OF RESIDENTS OF THE CITIES OF PANAMA, COLON, AND THE CANAL ZONE.

Place.	Popula- tion.	Deaths.			Annual average per 1,000.		
		Total.	Dis- ease.	External causes.	Total.	Dis- ease.	External causes.
May, 1917:							
Panama.....	60,778	131	127	4	25.86	25.07	0.79
Colon.....	24,693	48	47	1	23.33	22.84	.49
Canal Zone.....	31,048	26	23	3	10.05	8.89	1.16
Total.....	116,519	205	197	8	21.11	20.29	.82
April, 1917:							
Panama.....	60,778	123	118	5	24.28	23.30	.98
Colon.....	24,693	41	36	5	19.92	17.49	2.43
Canal Zone.....	31,048	21	19	2	8.11	7.34	.77
Total.....	116,519	185	173	12	19.05	17.82	1.23
May, 1916:							
Panama.....	60,778	138	132	6	27.24	26.06	1.18
Colon.....	24,693	52	50	2	25.27	24.29	.97
Canal Zone.....	33,023	30	26	4	10.90	9.45	1.45
Total.....	118,494	220	208	12	22.28	21.06	1.22

TABLE II.—CAUSES OF DEATHS OF INFANTS BY

Cause of death.	Sex.		Color.		(—) 1 week.	(+) 1 week. (—) 1 month.
	M.	F.	W.	B.		
Tetanus.....		1		1		1
Beriberi.....	1			1		
Tuberculosis of lungs.....		1		1		
Convulsions of infants.....	2			2		
Congenital myocarditis.....		1		1		
Diseases of the lymphatic system.....	1			1		
Acute bronchitis.....	1	2		3		
Broncho-pneumonia.....	5	6	1	10		
Pneumonia unqualified.....		1		1		
Gastro enteritis.....	13	6	4	15		1
Colitis.....	2		1	1		
Acute nephritis.....		1		1		
Pyelo-nephrosis.....	1			1		
Congenital malformations.....		1		1	1	
Newborn child.....		1	1		1	
Congenital debility, icterus, etc.....	1			1	1	
Premature birth.....	4	2		6	3	3
Congenital debility.....	2	1		3	2	
Malnutrition.....	1	2		3		
Other causes peculiar to early infancy.....	2	1		¹ 3	2	1
Acute infection of undetermined origin.....	1			1		
Total.....	37	27	7	57	10	6
Stillbirths.....	8	8	2	14		
Grand total.....	45	35	9	71	10	6
Infant mortality rate, based on number of births reported for month (death rate per						
Percentage of deaths under 1 year of age to total deaths for month.....						

¹ 1 yellow.

SEX, COLOR, AGE, AND PLACE OF RESIDENCE.

Age by months.										Residence.			
1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	11-12	Pana- ma.	Colon.	Zone.	Total.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	1
.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	1
1	.....	.....	1	.....	.....	.....	.....	.....	.....	1	1	.....	2
.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	1
.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
.....	1	1	.....	.....	.....	1	.....	.....	.....	3	.....	.....	3
.....	1	2	2	2	1	.....	2	.....	1	8	3	.....	11
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
3	2	1	1	3	2	1	3	2	.....	14	3	2	19
.....	1	.....	1	.....	.....	.....	.....	.....	.....	2	.....	.....	2
.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	1
.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	1	.....	6
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	1	.....	3
.....	1	.....	1	.....	.....	.....	.....	1	.....	2	.....	1	3
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2	.....	3
.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	1
.....													
6	6	5	7	7	3	3	6	4	1	45	12	7	64
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	3	3	16
6	6	5	7	7	3	3	6	4	1	55	15	10	80
1,000 births.....										201.79	157.89	124.61	182.33
.....										34	25	27	31

TABLE III.—DEATHS BY NATIONALITY.

	Employees.		Nonemployees.		Total.		Grand total.
	Male.	Female.	Male.	Female.	Male.	Female.	
Antigua.....			1		1		1
Barbados.....	4		23	7	27	7	34
China.....			1		1		1
Colombia.....			5	10	5	10	15
Cuba.....			1		1		1
Dominica.....	1				1		1
Demerara.....	1		1		2		2
Ecuador.....			1		1		1
France.....			1	1	1	1	2
Greece.....				1		1	1
Grenada.....			3	1	3	1	4
Guadaloupe.....			1	2	1	2	3
Mexico.....			2		2		2
Jamaica.....	7		28	21	35	21	56
Martinique.....	1		3	1	4	1	5
Montserrat.....			1		1		1
Nassau.....				1		1	1
Panama.....	1		28	26	29	26	55
Peru.....			2	1	2	1	3
Porto Rico.....			1		1		1
Salvador.....	1				1		1
St. Lucia.....	1		2		3		3
St. Thomas.....			1	1	1	1	2
St. Vincent.....			1		1		1
Spain.....			1		1		1
Trinidad.....	1				1		1
United States.....	1		1	1	2	1	3
Venezuela.....			2		2		2
Unknown.....			1		1		1
Total.....	19		112	74	131	74	205

TABLE IV.—DEATH RATES AMONG AMERICANS ON THE ISTHMUS
CONNECTED WITH THE PANAMA CANAL.

	Annual average per 1,000.
White employees from the United States:	
Disease.....	2.85
External causes.....	
Total.....	2.85
White women and children from the United States:	
Disease.....	2.48
External causes.....	
Total.....	2.48
White employees and their families from the United States:	
Disease.....	2.65
External causes.....	
Total.....	2.65
Total Americans on the Canal Zone, including military, connected with the Panama Canal:	
Disease.....	1.42
External causes.....	.71
Total.....	2.13

TABLE V.—CAUSES OF DEATHS OF EMPLOYEES.

	White.	Colored.	Total.
Diseases:			
Organic heart disease.....		1	1
Lobar pneumonia.....		3	3
Lymphosarcomatosis.....		1	1
Chronic nephritis.....	1	2	3
Stricture of urethra.....		1	1
Disseminated tuberculosis.....		6	6
Staphylococcus pyemia and septicemia.....		1	1
Rupture of an aortic aneurysm into peritoneum.....		1	1
External causes:			
Traumatism by vehicles.....		1	1
Suicide by railroad traumatism.....		1	1
Total.....	1	18	19

TABLE VI.—CAUSES OF DEATHS OF CIVIL POPULATION (EMPLOYEES
PLACE OF

Cause of death.	Sex.		Color.			Age (in years).		
	M.	F.	W.	B.	Y.	—1 year.	1-4	5-10
<i>General diseases.</i>								
Typhoid fever.....	1			1				
Measles.....		1		1				
Dysentery, bacillary.....	1		1					
Pyemia.....	1			1				
Tetanus.....		1		1		1		
Pellagra.....	1	2		3				
Beriberi.....	1			1		1		
Tuberculosis of the lungs.....	18	6	2	21	1	1	1	
Tuberculous meningitis.....	1		1				1	
Disseminated tuberculosis.....	6			6				
Syphilis, tertiary.....	2			2				
Cancer and other malignant tumors of the buccal cavity.....	1			1				
Cancer and other malignant tumors of the stomach and liver.....	1	1	1	1				
Cancer and other tumors of the female genital organs.....		2	2					
Cancer and other malignant tumors of other organs and of organs not specified.....	1			1				
Alcoholism, acute.....	1			1				
Alcoholism, chronic.....		1		1				
Cerebral hemorrhage, apoplexy.....	3	2	1	4				
Paralysis without specified cause.....		1		1				
Convulsions of infants (under 5 years of age).....	2			2		2		
Other diseases of the nervous system.....	1			1				
<i>Diseases of the circulatory system.</i>								
Pericarditis.....		1		1				
Acute endocarditis.....	1	1		2				
Malignant endocarditis.....		1		1				
Organic diseases of the heart.....	7	4	1	10		1		
Angina pectoris.....	1			1				
Aneurysm.....	1			1				
Arteriosclerosis.....	1	2		3				
Diseases of the lymphatic system.....	1			1		1		
<i>Diseases of the respiratory system.</i>								
Diseases of the nasal fossae.....	1			1				
Acute bronchitis.....	1	3		4		3	1	
Chronic bronchitis.....	1			1			1	
Broncho-pneumonia.....	9	7	1	15		11	4	
Pneumonia (unqualified).....	2	5	1	6		1	4	
Lobar pneumonia.....	9	3	1	11				1
<i>Diseases of the digestive system.</i>								
Other diseases of the stomach (cancer excepted).....	1			1				
Diarrhea and enteritis (under 2 years).....	14	7	4	17		19	2	
Colitis.....	2		2			2		
Diarrhea and enteritis (2 years and over).....		1		1				1
Hernia, intestinal obstructions.....	1			1				
Constipation.....		1		1				

AND NONEMPLOYEES) AND MILITARY, BY SEX, COLOR, AGE, AND RESIDENCE.

Age (in years).							Place of residence.			
11-20	21-30	31-40	41-50	51-60	61-75	76-100	Panama.	Colon.	Canal Zone.	Total.
			1						1	1
	1								1	1
	1								1	1
	1						1			1
							1			1
	2			1				3		3
									1	1
2	6	8	2	3		1	18	6		24
							1			1
1	3		1	1			2	2	2	6
		1		1					2	2
				1					1	1
		1			1		1	1		2
				2			2			2
	1								1	1
		1					1			1
		1					1			1
		1	1	1	1	1	3	2		5
				1			1			1
							1	1		2
		1					1			1
		1						1		1
1		1					1	1		2
1							1			1
	1	3		4		2	5	5	1	11
		1					1			1
	1							1		1
				2		1	3			3
							1			1
	1						1			1
							4			4
								1		1
				1			11	4	1	16
	1				1		7			7
	2	3	3	2	1		8	3	1	12
		1					1			1
							16	3	2	21
							2			2
							1			1
				1			1			1
		1						1		1

TABLE VI.—CAUSES OF DEATHS OF CIVIL POPULATION (EMPLOYEES
PLACE OF

Cause of death.	Sex.		Color.			Age (in years).		
	M.	F.	W.	B.	Y.	—1 year.	1-4	5-10
<i>Diseases of the digestive system—Con.</i>								
Duodenal ulcer.....		1		1				
Cirrhosis of the liver.....		1		1				
Other diseases of the liver.....	2			2			1	
Diseases of the spleen.....	1			1				
Simple peritonitis (nonpuerperal).....	1	1		2				
Colitis.....		1		1				
<i>Nonvenereal diseases of the genito-urinary system and annexa.</i>								
Acute nephritis.....	1	1		2		1		
Bright's disease (chronic nephritis).....	11	3	2	12				
Other diseases of the kidney and annexa.....		1	1					
Pyelo-nephrosis.....	2			2		1	1	
Diseases of the urethra, urinary abscess, etc.....	1			1				
<i>The puerperal state.</i>								
Puerperal hemorrhage.....		1		1				
<i>Malformations.</i>								
Congenital malformations (stillbirth not included).....		1		1		1		
<i>Diseases of early infancy.</i>								
Newborn child.....		1	1			1		
Congenital debility, icterus, and sclerema.....	1			1		1		
Premature birth.....	4	2		6		6		
Congenital debility.....	2	1		3		3		
Malnutrition.....	1	2		3		3		
Other causes peculiar to early infancy (including various consequences of labor).....	2	1		2	1	3		
<i>Old age.</i>								
Senility.....		1	1					
<i>Affections produced by external causes.</i>								
Suicide by drowning.....		1		1				
Suicide by firearms.....	1			1				
Other suicides.....	1			1				
Other acute poisonings.....		1	1					
Accidental drowning.....	1		1					
Traumatism by machines.....	1			1				
Traumatism by other crushings.....	1			1				
Other external violence.....	1			1				
<i>Ill-defined diseases.</i>								
Infections of undetermined origin.....	1			1		1		
Total.....	131	74	25	178	2	64	16	2
Stillbirths.....	8	8	2	14				
Grand total.....	139	82	27	192	2	64	16	2

AND NONEMPLOYEES) AND MILITARY, BY SEX, COLOR, AGE, AND RESIDENCE—Continued.

Age (in years).							Place of residence.			
11-20	21-30	31-40	41-50	51-60	61-75	76-100	Panama.	Colon.	Canal Zone.	Total.
				1			1			1
				1			1			1
1							2			2
	1						1			1
	1	1					2			2
		1						1		1
	1						2			2
	3		4	4	3		5	6	3	14
					1		1			1
								1	1	2
			1				1			1
		1					1			1
							1			1
									1	1
									1	1
							5	1		6
							2	1		3
							2		1	3
							1	2		3
						1	1			1
1									1	1
1							1			1
		1							1	1
1							1			1
	1								1	1
		1						1		1
		1					1			1
	1						1			1
									1	1
									1	1
9	29	31	13	27	8	6	131	48	26	205
							10	2	3	16
9	29	31	13	27	8	6	141	51	29	221

TABLE VI-A.—DEATHS OF NONRESIDENTS.

Residence.	Nationality.	Color.	Sex.	Age.	Cause of death.
Juan Diaz, R. P....	English.....	White...	Female .	4	Broncho-pneumonia.
U. S. Navy.....	United States..	do.....	Male....	(?)	Influenza, acute.
Interior of Panama.	Colombia.....	Black....	do.....	30	Lobar pneumonia.
Cartegena, Colombia.	do.....	White....	do.....	77	Cancer of prostate.
Interior of Panama.	Panama.....	do.....	do.....	51	Lobar pneumonia.
Las Sabanas, R. P.	do.....	Black....	do.....	50	Simple peritonitis.
Darien, R. P.....	do.....	do.....	do.....	35	Tuberculosis of the lungs.
Pajas, R. P.....	do.....	do.....	do.....	55	Organic disease of heart.
Juan Diaz, R. P....	Colombia.....	do.....	do.....	70	Mitral insufficiency; endocarditis.
U. S. Navy.....	United States..	White....	do.....	24	Peritonitis, acute, general.
Do.....	do.....	do.....	do.....	35	Acute influenza.
Chorrera, R. P....	Peru.....	Black....	do.....	44	Lobar pneumonia.
Toboga Island.....	Panama.....	do.....	do.....	² 3	Acute enteritis.
Interior of Panama.	do.....	do.....	do.....	56	Enterocolitis, causing ulcers.
Capira, R. P.....	do.....	do.....	do.....	28	Fracture of skull by fall.
U. S. Navy.....	United States..	White....	do.....	16	Cerebro-spinal fever, meningococcic.
Interior of Panama.	Jamaica.....	Black....	do.....	70	Lobar pneumonia.

¹ Deaths of nonresidents are not included in the statistical charts relating to the Canal Zone or the cities of Panama and Colon.

² Months.

TABLE VII.—DISCHARGES AND DEATHS IN

[illegible]

THE HOSPITALS OF THE PANAMA CANAL.

Nonemployees.										Nonresidents.										Total discharges.	Total deaths.
Discharges.					Deaths.					Discharges.					Deaths.						
White.			Black.		White.			Black.		White.		Black.		White.		Black.					
Soldiers.	Others.				Soldiers.	Others.															
M.	M.	F.	M.	F.	M.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.				
2								1										2	1		
4																		13			
5	1	2								1								15			
1																		1			
1	1																	2			
17	6	9	2	2					1	1								37	1		
1																		1			
	1																	1			
27	4	8	2	2						1								79			
										1								3			
			1															6	1		
										1								1			
			1															1			
								1	1									1			
		1	1					2										14	2		
			1															1			
			1															1	6		
1																		1			
6			1							1								14			
3			2	3				2										24	2		
				2														2			
3		2																7			
11	1		2							3								33			
																		2			
																		1			
				2														2			
2			1							2								14			
										1								1			
		1																			
																		1			
																			1		
	1	1																1			
		3	1															3			
	1																	7			
																		1			

TABLE VII.—DISCHARGES AND DEATHS IN THE

Diseases.	Employees.											
	Discharges.						Deaths.					
	White.				Black.	White.				Black.		
	Americans.		Europeans.			Americans.		Europeans.				
	M.	F.	M.	F.		M.	F.	M.	F.			
<i>Diseases of the digestive system.</i>												
Diseases of the teeth and gums.....	1	1	1	...	1	...	...	...	...	...	...	...
Diseases of the pharynx.....	...	...	...	...	...	...	...	...	...	...	...	...
Follicular tonsillitis.....	1	2	...	...	1	...	...	...	...	...	...	...
Ulcer of the stomach.....	1	...	...	...	...	...	...	...	...	...	...	...
Other diseases of the stomach (cancer excepted).....	3	...	...	...	1	...	...	...	...	...	...	...
Acute gastritis.....	2	...	...	...	...	...	...	...	...	...	...	...
Acute indigestion.....	...	...	...	...	...	...	...	...	...	...	...	...
Colitis.....	...	...	...	...	1	...	...	...	...	...	...	...
Diarrhea and enteritis (2 years and over).....	1	...	...	...	8	...	...	...	...	...	...	...
Colitis.....	1	...	...	...	...	...	...	...	...	...	...	...
Ankylostomiasis.....	...	...	...	...	...	...	...	...	...	...	...	...
Intestinal parasites.....	...	...	...	...	...	...	...	...	...	...	...	...
Teniasis.....	...	...	...	...	...	...	...	...	...	...	...	...
Acute appendicitis.....	1	1	...	...	...	...	...	...	...	...	...	...
Chronic appendicitis.....	...	...	...	...	...	...	...	...	...	...	...	...
Hernia, intestinal obstructions.....	...	...	...	...	...	...	...	...	...	...	...	...
Inguinal hernia.....	...	...	2	...	6	...	...	...	...	...	...	...
Intestinal obstruction.....	1	...	...	...	...	...	...	...	...	...	...	...
Other diseases of the intestines.....	5	1	...	...	1	...	...	...	...	...	...	...
Constipation.....	...	...	1	...	2	...	...	...	...	...	...	...
Duodenal ulcer.....	1	...	...	...	...	...	...	...	...	...	...	...
Biliary calculi.....	...	...	...	...	...	...	...	...	...	...	...	...
Other diseases of the liver.....	1	...	...	...	...	...	...	...	...	...	...	...
Cholecystitis.....	...	1	...	...	...	...	...	...	...	...	...	...
Simple peritonitis (nonpuerperal).....	...	...	...	...	...	...	...	...	...	...	...	...
<i>Nonvenereal diseases of the genito-urinary system and annexa.</i>												
Acute nephritis.....	...	...	...	...	...	...	...	...	...	...	...	...
Bright's disease (chronic nephritis).....	...	...	...	...	1	...	1	...	...	...	2	...
Other diseases of the kidney and annexa.....	...	...	...	...	...	...	...	...	...	...	...	...
Pyelo-nephrosis.....	...	...	...	...	1	...	...	...	...	...	...	...
Diseases of the bladder.....	...	...	...	...	...	...	...	...	...	...	...	...
Cystitis.....	...	...	...	...	3	...	...	...	...	...	...	...
Diseases of the urethra, urinary abscess, etc.....	...	...	...	...	1	...	...	...	...	...	1	...
Stricture of the urethra, non-venereal.....	...	...	...	...	1	...	...	...	...	...	...	...
Nonvenereal diseases of the male genital organs.....	2	...	...	...	3	...	...	...	...	...	...	...
Hydrocele.....	...	...	...	...	2	...	...	...	...	...	...	...

HOSPITALS OF THE PANAMA CANAL—Continued.

Nonemployees.										Nonresidents.								Total discharges.	Total deaths.
Discharges.					Deaths.					Discharges.				Deaths.					
White.			Black.		White.			Black.		White.		Black.		White.		Black.			
Soldiers.	Others.				Soldiers.	Others.													
M.	M.	F.	M.	F.	M.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
1										1								6	
1	1			1														3	
6	2	4	4	6														26	
1		1								1								4	
1				1														4	
2																		4	
																		2	
																		1	
			1															10	
			1															2	
1																		1	
	1									1								1	
				1														2	
3		2		1														8	
2		1																3	
								1											1
3			1															12	
																		1	
3	1	4								2								17	
1	1	1																6	
		1							1									1	1
																		1	
										1								2	
					1														1
1																		1	
1		1							1	1								3	5
2	1	1		2					2									1	2
		1	1															7	
		1	1	2														2	
																		7	
			1																
																		2	1
																		1	
2																			
	1																	8	
	3																	5	

TABLE VII.—DISCHARGES AND DEATHS IN THE

Diseases.	Employees.											
	Discharges.						Deaths.					
	White.				Black.	White.				Black.		
	Americans.		Europeans.			Americans.		Europeans.				
	M.	F.	M.	F.		M.	F.	M.	F.			
<i>Malformations.</i>												
Congenital malformations (still-birth not included).....					1							
<i>Diseases of early infancy.</i>												
Newborn child.....												
Premature birth.....												
<i>Affections produced by external causes.</i>												
Poisoning by food.....	1				1							
Venomous bites and stings.....												
Snake bites.....					1							
Burns (conflagration excepted).....					2							
Traumatism by cutting or piercing instruments.....			3		7							
Traumatism by fall.....			2		10							
Traumatism by machines.....	2		1		3							
Traumatism by other crushings (vehicles, railroads, landslides, etc.).....			1		8							
Railroad traumatism.....	2				1							
Injuries by animals.....												
Heat exhaustion.....												
Fractures (cause not specified).....	3				4							
Dislocations.....					2							
Sprains.....					2							
Other external violence.....	5		2		36							
<i>Ill-defined diseases.</i>												
Ill-defined organic disease.....												
Infections of undetermined origin.....												
No disease.....	3				3							
Total.....	108	15	27		271	1	1				14	

HOSPITALS OF THE PANAMA CANAL—Continued.

Nonemployees.										Nonresidents.								Total discharges.	Total deaths.
Discharges.					Deaths.					Discharges.				Deaths.					
White.			Black.		White.			Black.		White.		Black.		White.		Black.			
Soldiers.	Others.				Soldiers.	Others.													
M.	M.	F.	M.	F.	M.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
	1																		
	11	4	3	2				1											
1		1		1															
				1															
				1															
3			3							1									
2	1		1							1									
	2							1											
			1																
			1																
1																			
6	3	1	1							1									
	1																		
3		1																	
1																			
1	2		1																
5	4	13	1	4															
206	63	125	52	90	3			12	6	25	1	1							
																		985	36

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT.

[A= White Americans; F= White foreign; B= Blacks.]

	Remaining May 1.			Admitted.			Died.			Dis- charged.		
	A.	F.	B.	A.	F.	B.	A.	F.	B.	A.	F.	B.
ANCON HOSPITAL.												
Panama Canal employees.....	27	14	113	95	24	184	...	1	6	103	17	163
Panama R. R. employees.....	5	5	57	7	8	58	...	...	7	6	7	56
Soldiers.....	82	...	...	181	...	...	2	...	...	188	...	...
Other pay cases.....	32	31	50	111	35	131	...	...	10	113	36	108
Charity cases.....	11	...	21	21	5	31	...	...	4	29	3	21
Total.....	157	50	241	415	72	404	2	1	27	439	63	348
COROZAL HOSPITAL (INSANE).												
Panama Canal employees.....	...	...	6	...	...	1	...	...	...	...	...	...
Panama R. R. employees.....	...	...	1	...	...	1	...	...	...	...	...	1
Soldiers.....	3	...	...	2	...	...	...	...	...	3	...	...
Panama pay cases.....	4	43	204	...	3	3	...	...	2	...	...	2
Other pay cases.....	1	5	1	...	1	1	...	...	...	...	...	1
Charity cases.....	3	9	65	...	1	3	...	...	...	...	...	...
Total.....	11	57	277	2	5	9	...	...	2	3	...	4
Grand total.....	168	107	518	417	77	413	2	1	29	442	63	352
COROZAL FARM (CRIPPLES).												
Panama Canal employees.....	...	10	53	...	...	2	...	...	...	...	1	2
CHRONIC WARD.												
Charity cases.....	...	...	27	...	...	...	...	...	...	...	...	...
COLON HOSPITAL.												
Panama Canal employees.....	2	1	3	13	2	36	...	...	...	13	1	28
Panama R. R. employees.....	...	1	16	4	4	27	...	...	1	2	1	24
Soldiers.....	3	...	...	20	...	...	1	...	...	15	...	...
Panama pay cases.....	...	...	...	...	...	9	...	...	2	...	...	1
Other pay cases.....	8	6	2	24	7	5	...	...	...	18	11	4
Charity cases.....	2	...	...	4	...	5	...	...	...	4	...	2
Total.....	15	8	21	65	13	82	1	...	3	52	13	59
PALO SECO LEPER ASYLUM.												
Panama pay cases.....	...	1	37	...	...	...	...	...	1	...	...	...
Charity cases.....	...	1	26	...	...	2	...	...	1	...	...	1
Total.....	...	2	63	...	...	2	...	...	2	...	...	1
GRAND TOTAL.												
Panama Canal employees.....	29	25	175	108	26	223	...	1	6	116	19	193
Panama R. R. employees.....	5	6	74	11	12	86	...	...	8	8	8	81
Soldiers.....	88	...	...	203	...	...	3	...	...	206	...	...
Panama pay cases.....	4	44	241	...	3	12	...	...	5	...	...	3
Other pay cases.....	41	42	53	135	43	137	...	...	10	131	47	113
Charity cases.....	16	10	139	25	6	41	...	...	5	33	3	24
Total.....	183	127	682	482	90	499	3	1	34	494	77	414

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT—Continued.

	Transferred.			Remaining May 31.			Average number constantly sick.			
	A.	F.	B.	A.	F.	B.	A.	F.	B.	Total.
ANCON HOSPITAL.										
Panama Canal employees.....			3	19	20	125	29.26	16.35	113.42	159.03
Panama R. R. employees.....			3	6	6	49	4.55	4.55	53.13	62.23
Soldiers.....	2			71			83.32			83.32
Other pay cases.....		1		30	29	63	31.90	31.07	60.97	123.94
Charity cases.....			2	3	2	25	7.13	1.26	24.09	32.48
Total.....	2	1	8	129	57	262	156.16	53.23	251.61	461.00
COROZAL HOSPITAL (INSANE).										
Panama Canal employees.....						7			6.45	6.45
Panama R. R. employees.....						1			1.16	1.16
Soldiers.....				2			2.58			2.58
Panama pay cases.....				4	46	203	4.00	43.71	203.68	251.39
Other pay cases.....				1	6	1	1.00	5.65	.74	7.39
Charity cases.....				3	10	68	3.00	9.35	66.78	79.13
Total.....				10	62	280	10.58	58.71	278.81	348.10
Grand total.....	2	1	8	139	119	542	166.74	111.94	530.42	809.10
COROZAL FARM (CRIPPLES).										
Panama Canal employees.....					9	53		9.42	53.22	62.64
CHRONIC WARD.										
Charity cases.....			4			23			25.39	25.39
COLON HOSPITAL.										
Panama Canal employees.....	1		4	1	2	7	3.70	2.00	8.30	14.00
Panama R. R. employees.....	1	1	12	1	3	6	.48	1.35	8.29	10.12
Soldiers.....	3			4			6.54			6.54
Panama pay cases.....			4			2			1.48	1.48
Other pay cases.....	5		3	9	2		7.25	3.16	.17	10.58
Charity cases.....			3	2			1.45		.74	2.19
Total.....	10	1	26	17	7	15	19.42	6.51	18.98	44.91
PALO SECO LEPER ASYLUM.										
Panama pay cases.....					1	36		1.00	36.83	37.83
Charity cases.....					1	26		1.00	26.41	27.41
Total.....					2	62		2.00	63.24	65.24
GRNAD TOTAL.										
Panama Canal employees.....	1		7	20	31	192	32.96	27.77	181.39	242.12
Panama R. R. employees.....	1	1	15	7	9	56	5.03	5.90	62.58	73.51
Soldiers.....	5			77			92.44			92.44
Panama pay cases.....			4	4	47	241	4.00	44.71	241.99	290.70
Other pay cases.....	5	1	3	40	37	64	40.15	39.88	61.88	141.91
Charity cases.....			9	8	13	142	11.58	11.61	143.41	166.60
Total.....	12	2	38	156	137	695	186.16	129.87	691.25	1,007.28

Number of employees remaining in hospitals:

White.....	67
Black.....	248

Total.....	315
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TABLE IX.—CONSOLIDATED DISPENSARY REPORT.
EMPLOYEES TREATED IN QUARTERS.

	Re- main- ing May 1.		Ad- mitted.		Died.		Dis- charged.		Trans- ferred.		Re- main- ing May 31.		Days lost.		
	W.	B.	W.	B.	W.	B.	W.	B.	W.	B.	W.	B.	W.	B.	Total.
Ancon.....	2	....	119	1	....	....	114	1	....	....	7	....	188	2	190
Balboa.....	4	....	236	22	....	....	226	15	5	5	9	2	545	91	636
Pedro Mi- guel.....	1	....	17	3	....	....	17	3	....	....	1	....	29	17	46
Paraiso.....	....	....	13	13	....	....	8	11	2	....	3	2	24	45	69
Gamboa.....	....	....	1	2	....	....	1	2	....	....	....	....	6	2	8
Gatun.....	....	....	9	6	....	....	8	6	1	....	....	....	47	10	57
Colon.....	7	21	99	112	....	....	98	109	....	....	8	24	223	635	858
Total....	14	21	494	159	....	....	472	147	8	5	28	28	1,062	802	1,864

ALL CASES TREATED BUT NOT EXCUSED.

	Employees.			Nonemployees.			Total.		
	W.	B.	Total.	W.	B.	Total.	W.	B.	Total.
Ancon.....	1,844	5,159	7,003	1,559	3,997	5,556	3,403	9,156	12,559
Balboa.....	4,494	4,492	8,986	4,973	1,463	6,436	9,467	5,955	15,422
Pedro Miguel....	1,250	1,577	2,827	1,035	589	1,624	2,285	2,166	4,451
Paraiso.....	874	2,831	3,705	765	758	1,523	1,639	3,589	5,228
Gamboa.....	79	242	321	22	210	232	101	452	553
Gatun.....	304	1,162	1,466	634	975	1,609	938	2,137	3,075
Colon.....	1,585	4,579	6,164	941	1,233	2,174	2,526	5,812	8,338
Total.....	10,430	20,042	30,472	9,929	9,225	19,154	20,359	29,267	49,626

TABLE IX-A.—CONSOLIDATED ADMISSION REPORT.

	White.	Black.	Total.
Total admissions to hospitals, excluding Corozal farm and chronic ward.....	572	497	1,069
Total admissions of employees to quarters.....	494	159	653
Total.....	1,066	656	1,722
Less number of patients transferred between hospitals, and from quarters to hospitals, whose admissions are duplicated in above figures.....	22	39	61
Net admissions to hospitals and quarters.....	1,044	617	1,661
EMPLOYEES.			
Employees admitted to hospitals.....	157	307	464
Employees admitted to quarters.....	494	159	653
Total employees admitted.....	651	466	1,117
Less number transferred between hospitals, and from quarters to hospitals, whose admissions are duplicated in above figures.....	11	27	38
Net admissions of employees to hospitals and quarters.....	640	439	1,079
Annual average per thousand of admissions of employees to hospitals and quarters.....	1,622.99	180.44	381.64

TABLE IX-B.—CONTAGIOUS AND INFECTIOUS DISEASES REPORTED DURING THE MONTH.

	Panama.	Colon.	Canal Zone.	Total.
Cancer.....	3			3
Chickenpox.....	9	2	7	18
Diphtheria.....	1		3	4
Dysentery, amebic.....			1	1
Gonococcus infection.....		7	49	56
Leprosy.....	1			1
Malarial fever.....	14	5	69	88
Measles.....	4	4	19	27
Meningitis, simple.....	1			1
Meningitis, tuberculous.....	1		1	2
Mumps.....	1		3	4
Pellagra.....	3			3
Pneumonia, acute.....	25	3	13	41
Scarlet fever.....			1	1
Syphilis.....			11	11
Tuberculosis.....	31	14	18	63
Typhoid fever.....			2	2
Whooping cough.....	7	1	14	22

TABLE X.—NUMBER OF EMPLOYEES CONSTANTLY SICK IN HOSPITALS AND QUARTERS.

	White.	Colored.	Total.
Hospitals:			
Ancon Hospital.....	54.71	174.16	228.87
Colon Hospital.....	7.53	16.59	24.12
Total.....	62.24	190.75	252.99
Quarters:			
Ancon.....	7.55	.06	7.61
Balboa.....	17.58	2.94	20.52
Pedro Miguel.....	.93	.55	1.48
Paraiso.....	.77	1.45	2.22
Gamboia.....	.19	.06	.25
Gatun.....	1.52	.32	1.84
Colon.....	7.19	20.48	27.67
Total.....	35.73	25.86	61.59
	Hospitals.	Quarters.	Total.
Average number of employees constantly sick:			
White.....	62.24	35.73	97.97
Colored.....	190.75	25.86	216.61
Total.....	252.99	61.59	314.58
Average number of employees constantly sick per 1,000:			
White.....	13.15	7.55	20.70
Colored.....	6.53	8.9	7.42
Total.....	7.46	1.81	9.27

TABLE XI.—AVERAGE NUMBER OF DAYS IN HOSPITALS OR QUARTERS FOR EACH ADMISSION OF SICK EMPLOYEE.

	White.	Black.	Total.
Hospitals:			
Ancon Hospital.....	11.46	24.28	19.68
Colon Hospital.....	11.80	8.88	9.53
Quarters:			
Ancon.....	1.65	2.00	1.65
Balboa.....	2.33	2.02	2.32
Pedro Miguel.....	1.76	5.67	2.35
Paraiso.....	2.40	4.09	3.29
Gamboa.....	6.00	1.00	2.67
Gatun.....	5.22	1.67	3.80
Colon.....	2.76	7.61	5.31

TABLE XII.—FINANCIAL STATEMENT, DEPARTMENT OF HEALTH.

	April, 1917.	March, 1917.	April, 1916.
Administration—General expenses:			
Chief health office.....	\$583.16	\$757.20	\$357.97
Construction allotments.....	7,866.59	8,578.68	.....
Stock.....	625.89	377.90	.....
Suspense.....	Cr. 4,662.69	Cr. 377.11	.....
Depreciation.....	.....	.....	783.19
Total.....	4,412.95	9,336.67	1,141.16
Hospital division:			
Acon Hospital.....	34,191.68	35,596.12	26,094.31
Corozal Hospital and farm.....	7,199.12	8,450.91	5,831.07
Colon Hospital.....	4,629.82	4,951.42	3,845.21
Palo Seco Leper Asylum.....	1,998.07	2,136.34	1,572.57
Santo Tomas Hospital.....	1,110.33	977.50	887.62
Medical storehouse.....	855.72	845.71	1,582.84
Total.....	49,984.74	52,958.00	39,813.62
Sanitary division:			
Chief sanitary inspector.....	50.00	50.00	50.00
Zone sanitation.....	10,043.15	9,981.35	14,431.02
Health office, Panama.....	4,453.93	3,808.28	3,241.08
Street cleaning, Panama.....	4,680.21	4,754.86	3,879.13
Health office, Colon.....	2,267.88	2,476.42	2,682.77
Street cleaning, Colon.....	2,504.08	2,506.70	2,156.00
Total.....	23,999.25	23,577.61	26,440.00
Dispensaries.....	3,566.87	3,486.70	3,653.67
Quarantine division.....	6,162.28	5,968.09	4,896.19
RECAPITULATION.			
Chief health office.....	4,412.95	9,336.67	1,141.16
Hospital division.....	49,984.74	52,958.00	39,813.62
Sanitary division.....	23,999.25	23,577.61	26,440.00
Dispensaries.....	3,566.87	3,468.70	3,653.67
Quarantine division.....	6,162.38	5,968.09	4,896.19
Total.....	88,126.09	95,327.07	75,944.64

TABLE XIII.—ANCON HOSPITAL.
REPORT OF DAYS LOST IN HOSPITAL.

	American.	Foreign.	Black.	Total.
Hospital:				
Panama Chnal employees.....	907	507	3,516	4,930
Panama R. R. employees.....	141	141	1,647	1,929
Soldiers.....	2,583	.....	.....	2,583
Panama Government patients.....	.....	.....	.....	.....
Other pay patients.....	989	963	1,890	3,842
Charity patients.....	221	39	747	1,007
Total.....	4,841	1,650	7,800	14,291
Asylum:				
Panama Canal employees.....	.....	.....	200	200
Panama R. R. employees.....	.....	.....	36	36
Soldiers.....	¹ 80 (10)	.....	.....	80
Panama Government patients.....	² 124 (62)	1,355	6,314	7,792
Other pay patients.....	31	175	23	229
Charity patients.....	93	290	2,070	2,453
Total.....	328	1,820	8,643	10,791
Chronics.....	.....	.....	787	787
Farm (cripples).....	.....	292	1,650	1,942
Grand total.....	5,169	3,762	18,880	27,811

¹ 1 brown Filipino.

² 2 black Americans.

Cost of subsistence per patient per day, \$0.3363.

WARD LABORATORY REPORT.

Blood examinations, total number.....	663
Estivo-autumnal.....	16
Mixed.....	2
Tertian.....	10
Differential counts.....	22
Hemoglobin estimations.....	264
Leucocyte counts.....	59
Red blood counts.....	3
Stool examinations, total number.....	610
Ameba.....	2
Ascaris lumbricoides.....	4
Ciliated monads.....	12
Entameba (hystolitica and tetragena).....	2
Guaiaac tests.....	27
Pus and blood.....	40
Stronglodes.....	13
Tenia saginata dispar (ova).....	2
Tricocephalus dispar.....	13
Uncinaria (ova).....	38
Urine examinations, total number.....	2,025
Albumen.....	482
Bile.....	22
Casts.....	316
Ciliated monads.....	2
Epithelia.....	1,003
Guaiaac tests.....	171
Hemin crystals.....	15
Acetone.....	1
Indican.....	172
Pus and blood.....	892
Sugar (positive, 14; negative, 286).....	300

TABLE XIII.—ANCON HOSPITAL—Continued.

WARD LABORATORY REPORT—Continued.

Sputum examinations, total number.....	426
Positive for tubercle bacilli.....	26
Smear examinations, total number.....	57
Urethral.....	28
Vaginal.....	10
Eye.....	2
Spinal fluid.....	14
Fluid from chest.....	2
Fluid from ear.....	1

REPORT OF SURGICAL OPERATIONS.

	Number.	Died.
Amputations: Digits, multiple.....	1	.....
Operations on bones: Wiring of fractures, simple.....	4	.....
Adenectomy:		
Inguinal, single.....	12	.....
Inguinal, double.....	1	.....
Femoral.....	2	.....
Herniotomy:		
Inguinal, single.....	2	.....
Inguinal, double.....	2	.....
Genito-urinary tract:		
Varicocele, radical cure.....	2	.....
Hydrocele, single, radical cure.....	1	.....
Epididymotomy.....	5	.....
Curetage uteri.....	5	.....
Perineoplasty.....	3	.....
Trachelorrhaphy.....	1	.....
Obstetrical: Version.....	1	.....
Thorax: Excision of breast and axilla.....	1	.....
Rectum:		
Hemorrhoids, radical cure.....	6	.....
Fistula in anus, excision of.....	1	.....
General: Excision of surface neoplasms.....	1	.....
Laparotomy:		
Exploratory.....	2	2
Appendectomy.....	6	.....
Appendectomy with local peritonitis.....	1	.....
Cholecystotomy.....	1	.....
Supravaginal hysterectomy.....	9	.....
Hysteromyomectomy.....	5	.....
Salpingectomy, single.....	2	.....
Salpingectomy, double.....	1	.....
Salpingo-oophorectomy.....	3	.....
Suspensio-uteri.....	7	.....
For ectopic gestation.....	2	.....
Minor operations—various.....	92	.....
Mayo bunion.....	1	.....
Total.....	183	2

TABLE XIII.—ANCON HOSPITAL—Continued.

REPORT OF OPERATIONS, EYE AND EAR CLINIC.

Adenoidectomy only.....	1
Adenoidectomy and tonsillectomy.....	11
Tonsillectomy only.....	4
Turbinectomy.....	7
Submucous resection.....	14
Pterygium transplantation.....	8
Scleral trephine.....	1
Plastic on nose.....	1
Incision and drainage lachrymal sac.....	1
Cataract extraction.....	1
Minor nose.....	2
Chalazion excision.....	3
Mastoidectomy.....	1
Total.....	55
Reirractions.....	85

REPORT OF OUT-PATIENT DEPARTMENT.

Clinic.	Total visits.	New cases.	Pay cases.	Pre-scriptions.
Medical.....	285	202	30	237
Surgical.....	177	104	2	25
Eye and ear.....	500	227	2	36
Total.....	962	533	34	298

MONTHLY REPORT OF VACCINATIONS.

Number of adults vaccinated.....	111
Number of takes.....	26

MONTHLY REPORT OF BOARD OF HEALTH LABORATORY.

Bacteriological examinations of—	
Blood cultures (2 <i>B. typhosus</i> ; 1 <i>B. dysenteria</i> , type Flexner, 1 gram negative bacillus unidentified (Typhoid-dysentery group).....	19
Throat cultures (1 <i>B. diphtheria</i>).....	26
Stools (1 <i>B. typhosus</i>).....	24
Urines (1 <i>B. coli</i> , 2 <i>Staphylococcus aureus</i>).....	20
Sputum (3 tuberculosis, 5 negative).....	8
Dairy milk from Colon health office.....	1
Dairy milk from Corozal Hospital farm.....	29
Ice cream from Panama health office.....	10
Gonococcus smears (eye 2, 1 from foot lesion).....	3
Spinal fluids (1 meningococcus).....	4
Fluids, exudates, etc.....	6
Leprosy, examination of suspects for (positive 2).....	6
Dark field for syphilis (negative).....	1
Chemical examinations of—	
Mothers' milk.....	3
Dairy milk from Corozal.....	4
Dairy milk from Panama.....	1
Dairy milk from Colon.....	2
Ice cream from Panama health office.....	14
Canned milk, "Alpine Evaporated Cream," from Panama health office.....	1
Urines.....	11
Stomach contents.....	7

TABLE XIII.—ANCON HOSPITAL—Continued.

MONTHLY REPORT OF BOARD OF HEALTH LABORATORY—Continued.

Chemical examinations of—Continued.

Hexamethylene tetramine, crystals and solution.....	1
Identification of spots on clothing (garments).....	1
Punch Creme Cacao.....	1
Fire extinguisher chemicals (1 liquid, 1 solid).....	2
Solution of Argyras.....	1
Hoar's Spearmint Dental Cream.....	1
Garnet cylinder oil.....	1
Spinal fluids—	
Butyric acid tests.....	20
Ammonium sulphate tests.....	20
Phenol tests.....	20
Colloidal gold tests.....	22
Pathological tissues prepared (paraffin 295, frozen 9).....	304
Autopsies performed.....	35
Surgical tissues examined.....	41
Animals autopsied (guinea pigs, 1; hogs, all deaths due to hog cholera, 9; calves, 2; dogs, 2; cat (sarcosporidiosis) rabbits (coccidiosis), 1; chickens, 2—disseminated tuberculosis, 3).....	19
Rats examined (<i>Mus musculus</i> , 744; <i>Mus norvegicus</i> , 316; <i>Mus alexandrinus</i> , 16; <i>Mus rattus</i> , 221).....	1,397
Miscellaneous:	
Placental blood films (10 whites, 2 blacks) negative.....	12
Blood films for anthrax (bovine).....	5
Blood films for <i>B. bigemina</i>	3
Blood films from dogs.....	12
Blood film from domestic turkey.....	1
Blood film from small wild turkey (<i>hæmoproteus</i>).....	1
Deer killed on Balboa-Arraijan Trail, brain films examined (3 positive for <i>B. bigemina</i>).....	5
Peccary (wild hog <i>Tagassu tajacua</i>) killed on Arraijan Trail. Brain and blood films examined, all negative.....	2
Ant bear (<i>Myrmecophaga jubata</i>) autopsy negative.....	1
General:	
Vaccines prepared, atogenous.....	1
Wassermann reactions.....	1,179
Toxicological examinations.....	1
Animal inoculations.....	17
Antityphoid inoculation.....	1
Throat smears positive for Vincent's Angina.....	1
Entomological examination of flour and beetles found therein.....	2
Identification of leaf-cutting bees.....	1
Undertaking:	
Bodies embalmed.....	5
Interments at Corozal.....	15
Shipped to the United States.....	1
Taken to Panama.....	1
Taken to Colon.....	2
Cremations.....	14

TABLE XIII.—ANCON HOSPITAL—Continued.

CORORAL HOSPITAL.

STATEMENT OF COMMITMENTS, DISCHARGES, AND DEATHS.

COMMITMENTS.

	Male.	Female.
From Canal Zone:		
First admission.....	7	1
Second admission.....	1	1
From Panama Government:		
First admission.....	2	3
Third admission.....	1	.....
Total.....	11	5

DISCHARGES.

	Well.		Improved		Unimproved.	
	Male.	Female.	Male.	Female.	Male.	Female.
Philippines.....	.....	.....	.....	.....	1	1
Jamaica.....	.....	1	.....	.....	.....	.....
Martinique.....	2	.....	.....	.....	.....	.....
Panama.....	1	.....	.....	.....	.....	.....
U. S. Army.....	.....	.....	.....	.....	1	2
Total.....	3	1	.....	.....	3	.....

¹ One sailor and two soldiers deported to United States.

DEATHS.

Medical diagnosis.	Mental diagnosis.	Male.	Female.
Duodenal ulcer, perforation; acute peritonitis.	Psychosis associated with cere- bral arteriosclerosis.	.....	1
Hernia; intestinal obstruction.	Dementia precox.....	1	.....

TABLE XIV.—COLON HOSPITAL.
REPORT OF DAYS LOST IN HOSPITAL.

Class.	American.	Foreign.	Black.	Total.
Panama Canal employees.....	115	62	257	434
Panama R. R. employees.....	15	42	257	314
Panama Government pay patients.....			46	46
Soldiers.....	191	12		203
Other pay patients.....	225	98	5	328
Charity patients.....	45		23	68
Total.....	591	214	588	1,393

LABORATORY REPORT.

Blood examinations.....	67
Estivo-autumnal.....	5
Tertian.....	3
White blood counts.....	17
Differential counts.....	5
Hemoglobin.....	6
Stool examinations.....	29
Blood.....	5
Pus.....	8
Uncinaria.....	2
Urine examinations.....	256
Casts.....	39
Pus.....	88
Red blood counts.....	11
Albumin.....	48
Sputum examinations.....	87
Positive for tubercle bacilli.....	4
Smear examinations.....	12
Positive for gonorrhea.....	4

SURGICAL OPERATIONS.

Operations on bones:	
Dislocation right shoulder, reduced under ether.....	3
Dislocation right hip, reduced under ether.....	1
Herniotomy:	
Inguinal, single.....	1
Strangulated, inguinal.....	1
Genito-urinary tract:	
Hydrocele, single, radical cure.....	1
Hydrocele, double, radical cure.....	2
Curetage uteri.....	2
Trachelorrhaphy.....	1
Vulvo-vaginal cyst, large, extirpation.....	1
Obstetrical: Normal deliveries.....	5
Rectum: Hemorrhoids, radical cure.....	1
General: Extensive injuries to soft parts, operation for.....	1
Laparotomy:	
For tuberculous peritonitis and intestinal obstruction, resection of 14 inches of gangrenous intestine.....	1
Appendectomy.....	1
Minor operations, various.....	11
Minor operations, various (dispensary).....	152

TABLE XV.—SANTO TOMAS HOSPITAL.

Class.	Remain- ing May 1.	Ad- mitted.	Died.	Dis- charged.	Remain- ing May 31.
Pay patients.....	23	76	1	84	14
Charity patients.....	418	935	70	815	463
Total.....	441	1,011	71	899	482

Class.	Number treated.	Americans.		Other nations.	
		White.	Black.	White.	Black.
Pay patients.....	99	.....	.....	26	73
Charity patients.....	1,353	10	3	123	1,217
Total.....	1,452	10	3	149	1,290

Number of days relief furnished patients.....	14,229
Average number of patients constantly sick.....	459
Average number of days' treatment for each patient admitted.....	9
Cost of subsistence per patient per day.....	\$0.40

DISPENSARY REPORT.

Class.	White.	Black.	Total.
Natives treated.....	33	680	713
Foreigners treated.....	59	348	407
Total.....	92	1,028	1,120

DISEASES TREATED.

Typhoid fever.....	1
Malaria.....	20
Scarlet fever.....	1
Influenza.....	13
Dysentery.....	2
Other epidemic diseases.....	10
Purulent infection and septicemia.....	17
Pellagra.....	3
Beriberi.....	1
Tuberculosis of the lungs.....	17
White swelling.....	1
Rickets.....	1
Syphilis.....	51
Soft chancre.....	26
Gonococcus infection.....	29
Cancer and other malignant tumors of the female genital organs.....	1
Cancer and other malignant tumors of the skin.....	1
Other tumors (tumors of the female genital organs excepted).....	4
Acute articular rheumatism.....	5
Exophthalmic goitre.....	1
Anemia, chlorosis.....	12
Alcoholism, acute or chronic.....	18
Paralysis without specified cause.....	2
Other forms of mental alienation.....	4
Epilepsy.....	2
Hysteria.....	1
Neuralgia and neuritis.....	7

TABLE XV.—SANTO TOMAS HOSPITAL—Continued.

DISEASES TREATED—Continued.

Other diseases of the nervous system.....	1
Other diseases of the eyes and their annexa.....	11
Diseases of the ear.....	2
Organic diseases of the heart.....	17
Diseases of the arteries, atheroma, aneurysm, etc.....	6
Diseases of the veins (varices, hemorrhoids, phlebitis, etc.).....	4
Diseases of the lymphatic system.....	15
Diseases of the nasal fosse.....	6
Diseases of the thyroid body.....	1
Chronic bronchitis.....	11
Pneumonia.....	9
Pleurisy.....	10
Asthma.....	4
Pulmonary emphysema.....	1
Diseases of the teeth and gums.....	1
Diseases of the pharynx.....	11
Diarrhea and enteritis (under 2 years).....	12
Diarrhea and enteritis (2 years and over).....	8
Ankylostomiasis.....	76
Intestinal parasites.....	6
Appendicitis and typhlitis.....	4
Hernias, intestinal obstructions.....	17
Diseases of the anus and fecal fistula.....	2
Other diseases of the intestines.....	7
Other diseases of the liver.....	1
Bright's disease (chronic nephritis).....	28
Other diseases of the kidney and annexa.....	1
Calculi of the urinary passages.....	2
Diseases of the bladder.....	1
Diseases of the urethra.....	10
Nonvenereal diseases of the male genital organs.....	6
Uterine hemorrhage.....	2
Uterine tumor (noncancerous).....	2
Metritis.....	17
Other diseases of the uterus.....	7
Salpingitis and other diseases of the female genital organs.....	8
Nonpuerperal diseases of the breast.....	3
Normal labor.....	86
Accidents of pregnancy.....	24
Puerperal hemorrhage.....	1
Puerperal albuminuria and convulsions.....	1
Furuncle.....	3
Acute abscess.....	13
Other diseases of the skin and annexa.....	13
Diseases of the bones.....	4
Diseases of the joints.....	3
Amputations.....	2
Congenital malformations.....	1
Nurslings discharged from hospital without disease.....	81
Congenital debility.....	2
Senility.....	1
Other acute poisonings.....	4
Burns.....	4
Traumatism by firearms.....	3
Traumatism by cutting or piercing instruments.....	7
Traumatism by other crushings (vehicles, railroads, etc.).....	1
Sprains.....	2
Fractures.....	13
Other external violence.....	15
Infections of undetermined origin.....	6
No disease.....	28
Total discharges during month.....	899
Deaths of patients during month.....	71
Remaining in hospital at end of month.....	482
Total patients treated during month.....	1,452

TABLE XV.—SANTO TOMAS HOSPITAL—Continued.

SURGICAL OPERATIONS.

Amputation, leg.....	1
Amputation, foot.....	1
Amputation, digits, multiple.....	4
Wiring of fracture, simple.....	1
Adenectomy, inguinal, single.....	8
Adenectomy, inguinal, double.....	2
Herniotomy, inguinal, single.....	13
Herniotomy, ventral.....	2
Stab wound of small parts, operation for.....	1
Skin graft.....	6
Appendectomy.....	6
Supravaginal hysterectomy.....	3
Pan-hysterectomy.....	1
Salpingectomy, single.....	2
Salpingectomy, double.....	1
Salpingo-oophorectomy.....	7
Suspensio-uteri.....	12
Urethrotomy, internal.....	3
Urethrotomy, external.....	8
Hydroce'e, single, radical cure.....	4
Hydrocele, double, radical cure.....	1
Orchidectomy.....	1
Curetage, uteri.....	12
Trachelorrhaphy.....	3
Perineoplastic.....	1
Vaginal section.....	4
Circumcisions.....	23
Hemorrhoids, radical cure.....	2
Fistula in anus, excision of.....	1
Varicose veins, excision of.....	1
Tonsillectomy.....	9
Adenectomy.....	2
Major operations, various other.....	28
Minor operations, various other.....	50
Total.....	224

LABORATORY REPORT.

Urine examinations.....	747
Albumen.....	279
Granular casts.....	68
Hyaline casts.....	66
Pus.....	107
Blood.....	14
Epithelium cells.....	21
Phosphates.....	9
Sugar.....	10
Stool examinations.....	1,051
Uncinariasis.....	153
Strongyloides.....	28
<i>T. dispar</i>	33
Ascarides.....	75
<i>B. coli</i>	2
Ciliated monads.....	4
Mucus and pus.....	15
Blood.....	4
Sputum examinations.....	122
Positive for tubercle bacilli.....	35
Blood examinations.....	260
Malaria.....	1
Tertian.....	5
Estivo-autumnal.....	11
White blood counts.....	8
Differential counts.....	5
Wassermann reactions.....	197
Positive.....	69

TABLE XV.—SANTO TOMAS HOSPITAL—Continued.

LABORATORY REPORT—Continued.

Throat cultures.....	7
Positive.....	2
Smears.....	3
Positive.....	2
Widals reactions.....	1
Autopsies performed.....	61
Surgical tissues examined.....	118

TABLE XVI.—SUMMARY OF SANITARY WORK PERFORMED AND MATERIAL EXPENDED.

Work requests on supply department:	
Grass cutting.....	18
Screening.....	6
Miscellaneous.....	7
Work requests on municipal engineering division.....	4
Work requests on other divisions.....	1
Notices served to abate nuisances.....	3
Pit closets inspected.....	711
Buildings inspected:	
For screening.....	1,039
For mosquitoes.....	3,230
For general sanitation.....	1,829
For safety.....	1
Stores, inspections of.....	20
Restaurants, inspections of.....	14
Shops, inspections of.....	44
Garbage cans emptied.....	3,120
Closets disinfected.....	754
Houses disinfected.....	2
Number of sewer connections made.....	4
Rat traps in use.....	259
Number of rats destroyed.....	345
Number of mosquitoes destroyed in dwellings:	
Anopheles.....	687
Stegomyia.....	1
Culex and mansonias.....	4,361
Number of containers with stegomyia larvæ found.....	1
Material expended:	
Larvicide, gallons.....	140
Crude oil, gallons.....	7,463
Kerosene, gallons.....	352

REPORT OF ROUTINE WORK DONE BY HEALTH OFFICE, PANAMA.

General sanitation:	
Lineal feet of ditches cleaned and maintained.....	73,136
Lineal feet of new ditches dug.....	806
Number of feet of ditches made permanent during month.....	1,106
Square feet of vegetation removed.....	26,700
Square yards of pools oiled.....	118,930
Gallons of crude oil used.....	1,785
Gallons of larvicide used.....	425
Gallons of kerosene used.....	155
Water containers treated.....	12,780
Mosquito-breeding places found (stegomyia, 92).....	176
Fly-breeding places found.....	41
Flies trapped (13,000 per quart).....	212
Number of rats killed.....	754
Average number of rat traps used daily.....	171
Number of room disinfections made.....	16
Garbage collection:	
Number of loads of garbage removed to dump.....	4,608
Number of cubic yards of garbage removed to dump.....	9,808
Total number of cans of garbage emptied.....	43,968
Buildings:	
Number of buildings inspected.....	5,279
Number of plans for new buildings approved.....	14

TABLE XVI.—SUMMARY OF SANITARY WORK PERFORMED AND MATERIAL EXPENDED—Continued.

REPORT OF ROUTINE WORK DONE BY HEALTH OFFICE, PANAMA—Continued.

Buildings—Continued.

Number of permits issued for repairs to old buildings.....	61
Total building permits issued.....	75
Number of buildings condemned.....	11
Number of buildings demolished.....	4
Sewer connections made during month.....	6

Street cleaning:

Average number of square yards of streets cleaned daily.....	600,000
Average number of square yards of streets sprinkled daily.....	45,000
Number of private properties cleaned during month.....	1
Number of nuisance notices served, and nuisances abated.....	300

MONTHLY WORK REPORT FOR COLON, CRISTOBAL, AND MOUNT HOPE.

Sanitation, Colon:

Square yards street cleaned.....	4,050,652
Square yards alleys maintained.....	676,000
Number of private properties cleaned.....	3,407
Number of rats caught.....	640
Loads of yard garbage disposed of.....	582
Number of cans garbage removed (cubic yards, 2,704).....	67,316
Linear yards of ditches maintained.....	438
Acres of vegetation removed, Panama R. R. reservation, Colon Swamp.....	15
Acres of vegetation removed, quarantine grounds.....	3
Acres of vegetation removed, Colon Hospital.....	1
Square yards oiled.....	52,780
Number of receptacles treated.....	63,920
Number of buildings inspected.....	9,766
Number of gallons of lavacide used in Colon.....	56
Number of gallons of crude oil used in Colon.....	888
Number of nuisances abated.....	422

Building, Colon:

Number of building plans approved.....	10
Number of permits to occupy issued.....	7
Number of permits to repair issued.....	39
Number of bills collected.....	96

Sewers, Colon:

Number of new connections made during month.....	10
Number of houses on which additional connections were made.....	4
Outstanding permits.....	54

Sanitation, Cristobal:

Number of cans garbage removed (cubic yards, 745).....	14,532
Loads of garbage handled.....	268
Square yards oiled.....	9,597
Number of receptacles treated.....	9,375
Number of buildings inspected.....	1,780
Number of nuisances abated.....	83
Number of gallons of larvacide used.....	12
Number of gallons of crude oil used.....	112

Sanitation, Mount Hope:

Number of cans of garbage removed (cubic yards, 108½).....	708
Square yards oiled.....	93,150
Number of receptacles treated.....	15,585
Number of mosquito-breeding places destroyed.....	112
Number of mosquitoes caught—	
Culex.....	1,462
Anopheles.....	317
Gallons of crude oil used.....	1,669
Gallons of larvacide used.....	25
Cubic yards fill, dry, and grading.....	300
Linear yards ditches maintained.....	1,002
Square yards of vegetation removed.....	93,107
Number of burials during the month.....	24

Coco Solo:

Vegetation removed (acres).....	18
Gallons of crude oil used.....	2,781
Linear yards ditches constructed (cubic yards, 75.5).....	226

TABLE XVII.—CONSOLIDATED REPORT OF QUARANTINE TRANSACTIONS AT THE PORTS OF BALBOA-PANAMA AND COLON-CRISTOBAL.

Number of vessels inspected and passed.....	229
Number of vessels inspected and detained.....	9
Number of vessels inspected and transiting in quarantine.....	12
Total number of vessels entered during the month.....	250
Number of supplementary inspections during month.....	120
Total number of inspections of vessels during month.....	270
Number of vessels fumigated on arrival.....	16
Number of vessels fumigated prior to departure.....	1
	17
Number of bills of health issued.....	210
Number of bills of health viséed.....	113
Number of crew inspected and passed.....	19,584
Number of passengers inspected and passed.....	5,484
Number of stowaways inspected.....	5
Total number of persons inspected on arrival.....	25,073
Number of crew examined at supplementary inspections.....	1,814
Number of passengers examined at supplementary inspections.....	194
Total inspections during the month.....	27,081
Number of persons vaccinated in port on arrival.....	265
Number of persons vaccinated in port of departure or en route.....	381
	646
Number of persons detained at quarantine stations to complete period of incubation of yellow fever and bubonic plague.....	278
Number of persons detained on board vessels.....	2,168
	2,446
Number of persons arriving from foreign ports:	
Cabin.....	1,818
Steerage.....	3,007
	4,825
Number of persons arriving from coast towns in small launches and sailing craft.....	2,250
Number of persons departing for coast towns in small launches and sailing craft.....	1,602
Total number of persons arriving during the month.....	7,075
Number of persons in transit for Pacific ports, not passing through canal....	187
Number of immigrants rejected and deported.....	29

IMMIGRATION REPORT FOR THE PORTS OF COLON-CRISTOBAL
AND BALBOA-PANAMA.

From—	Cabin.	Steerage.
United States.....	940	858
Europe.....	9	5
Cuba.....	33	43
Porto Rico.....	106	889
Jamaica and West Indies (not shown above).....	65	312
Costa Rica.....	43	41
Bocas del Toro.....	39	155
Central America (not shown above).....	15	1
Colombia.....	86	96
Venezuela.....	4	4
South America (not shown above).....	56	28
China and Japan.....	9	67
Total.....	1,405	2,499
	3,904	

Men.....	3,214
Women.....	436
Children.....	254
	3,904

QUARANTINE TRANSACTIONS AT THE PORT OF BOCAS DEL TORO,
PANAMA.

Number of vessels inspected and passed.....	16
Number of crew inspected and passed.....	987
Number of passengers inspected and passed.....	154
Number of passengers in transit, inspected and passed.....	120

No quarantinable disease has appeared in this port, and the health conditions of the port and surrounding territory are good.

TABLE XVIII.—PERSONNEL REPORT.

	May, 1917.			Total employees—	
	Gold em- ployees.	Silver em- ployees.	Total em- ployees.	April, 1917.	May, 1916.
Chief health office.....	4		4	4	4
Medical storehouse.....	4	4	8	8	8
Quarantine division.....	12	35	47	45	47
Health office, Panama.....	11	130	141	142	160
Health office, Colon.....	10	152	162	192	181
Ancon Hospital.....	111	210	321	317	319
Colon Hospital.....	17	26	43	42	41
Santo Tomas Hospital.....	7		7	5	6
Palo Seco.....	1	30	31	28	19
Zone sanitation.....	5	122	127	110	135
Hospital farm.....	2	63	65	68	58
Corozal Hospital.....	13	42	55	56	55
Dispensaries:					
Balboa.....	5	3	8	8	6
Gamboa.....	1		1	1	1
Gatun.....	3	2	5	4	4
Paraiso.....	2	2	4	4	4
Pedro Miguel.....	3	1	4	4	3

TABLE XIX.—DEPORTATIONS.

Nationality.	Deported to—	Deportation effected by—		Reason for deportation.		
		Hospitals.	Quarantine.	Injury.	Disease.	Other causes.
Employees:						
United States..	United States.....	1	.....	.....	1	.....
Barbados.....	Barbados.....	4	.....	.....	4	.....
Jamaica.....	Jamaica.....	2	.....	.....	2	.....
Nonemployees:						
Chile.....	Chile.....	.....	1	.....	.....	1
Do.....	Colombia.....	.....	1	.....	.....	1
Belgium.....	United States.....	.....	1	.....	.....	1
Cuba.....	Cuba.....	.....	1	.....	.....	1
Denmark.....	United States.....	.....	1	.....	.....	1
England.....	England.....	.....	2	.....	.....	2
Do.....	United States.....	.....	2	.....	.....	2
Do.....	Peru.....	.....	1	.....	.....	1
Do.....	Trinidad.....	.....	1	.....	.....	1
Germany.....	Guatamala.....	.....	2	.....	.....	2
Do.....	Peru.....	.....	1	.....	.....	1
Jamaica.....	Jamaica.....	1	2	1	1	1
Do.....	United States.....	.....	1	.....	1	.....
Porto Rica.....	do.....	.....	1	.....	.....	1
Peru.....	Peru.....	.....	2	.....	.....	2
Spain.....	United States.....	.....	3	.....	.....	3
Do.....	Peru.....		1			1
Turkey.....	Salvador.....		1			1
United States.	United States.....		12		4	8
Total.....		8	37	1	13	31

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