

REPORT
OF THE
DEPARTMENT OF HEALTH
OF THE
PANAMA CANAL
FOR THE
MONTH OF NOVEMBER, 1914

CHAS. F. MASON

Lieut. Colonel, Medical Corps, United States Army
Chief Health Officer, Balboa Heights, Canal Zone

Gift of the Panama Canal Museum

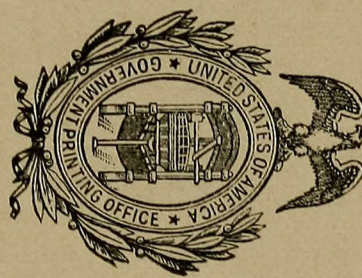
WASHINGTON
1915

REPORT
OF THE
DEPARTMENT OF HEALTH
OF THE
PANAMA CANAL
FOR THE
MONTH OF NOVEMBER, 1914

CHAS. F. MASON

Lieut. Colonel, Medical Corps, United States Army
Chief Health Officer, Balboa Heights, Canal Zone

WASHINGTON
1915



CONTENTS.

	Page.
Letter of transmittal.....	5
General remarks.....	5
Vital statistics:	
Health of employees.....	5
Health of residents of Canal Zone.....	6
Health of residents of the city of Panama.....	6
Health of residents of the city of Colon.....	7
Hospital Division:	
Ancon Hospital.....	7
Board of Health Laboratory.....	7
Farm for Disabled.....	8
Insane Department.....	8
Chronic ward.....	8
Colon Hospital.....	9
Palo Seco Leper Asylum.....	9
Santo Tomas Hospital.....	9
District dispensaries.....	9
Sanitary Division:	
Canal Zone.....	9
Panama.....	10
Colon.....	12
Quarantine Division:	
Panama.....	12
Colon.....	12
Statistical tables:	
Table I. Admissions, deaths, and noneffective rates for employees; deaths of residents of Panama, Colon, and the Canal Zone....	13
II. Deaths by age, color, and sex.....	14
III. Deaths by nationality.....	15
IV. Deaths of white Americans.....	15
V. Causes of deaths of employees.....	15
VI. Causes of deaths of employees and civil population and places where chargeable.....	16
VII. Admissions and deaths in the hospitals of the Panama Canal..	18
VIII. Consolidated hospital report.....	28
IX. Consolidated dispensary and admission report.....	30
X. Employees: Constantly sick and noneffective rates per 1,000...	32
XI. Employees: Days' treatment per admission, hospitals and quarters.....	32
XII. Financial statement.....	33
XIII. Ancon Hospital.....	34
XIV. Colon Hospital.....	39
XV. Palo Seco Leper Asylum.....	40
XVI. Santo Tomás Hospital.....	41
XVII. Sanitary work done in Canal Zone, Panama, and Colon.....	43
XVIII. Quarantine transactions.....	45
XIX. Issues of quinine.....	46
XX. Personnel report.....	46

LETTER OF TRANSMITTAL.

THE PANAMA CANAL, CANAL ZONE,
DEPARTMENT OF HEALTH,
Balboa Heights, December 10, 1914.

Col. GEO. W. GOETHALS,
*Governor of the Panama Canal,
Balboa Heights, Canal Zone.*

SIR: I have the honor to submit the following report of the operations of the department of health for the month of November, 1914.
Very respectfully,

CHAS. F. MASON,
Chief Health Officer.

GENERAL REMARKS.

No cases of yellow fever, smallpox, or plague originated on or were brought to the Isthmus during the month.

VITAL STATISTICS.

EMPLOYEES.

The health of the employees was better than for any previous month since the canal work began. The number of names on the rolls for the preceding month was 37,172.

The total number of admissions to hospitals and quarters was 926, a rate of 298.93 per thousand, as compared with 344.23 for the preceding month and 479.84 for the corresponding month of last year.

The total number of deaths from all causes was 14. Of these 5 died from disease, or 1.61 per thousand, as compared with 4.68 for the preceding month and 4.89 for the corresponding month of last year. One death was recorded for each of the following diseases: Cancer of stomach and liver, lobar pneumonia, organic disease of heart, purulent infection and septicemia, and tuberculosis of the genito-urinary organs.

The constantly noneffective rate was 10.82, compared with 11.18 for the preceding month and 14.33 for the corresponding month of last year.

Had the rates been the same as for November, 1913, we would have had 17 more deaths, 130 more employees constantly sick, and 560 more admissions than we actually did have.

The total admission rate for malaria, hospitals and quarters, was 69.08, compared with 76.22 for last month, and the total noneffective rate 1.53, compared with 1.36 for last month; each of these rates was lower than for the same month last year.

The diseases next to malaria causing the highest admission rates, in the order of their numerical importance were diseases of the nervous system, venereal diseases, and diseases of the digestive and respiratory systems. These five classes of diseases caused 52 per cent of all admissions to hospitals.

There were no admissions for typhoid fever, compared with a rate of 0.31 for last month and 0.44 for the corresponding period of last year.

EFFECTS OF RACE.

The admission rate to hospitals and death rate for disease for black employees were 114.98 and 1.15 per thousand, as compared with 308.39 and 4.17 for white employees. The noneffective rate for disease and injuries for black employees per thousand was 9.06, as compared with 20.41 for white employees.

The admission rate to hospitals and quarters for malaria was 83.02 per thousand for blacks as compared with 166.70 for whites.

The death rate for Americans was 5.16, as compared with 21.68 for Europeans. The admission rate to hospitals for disease for the latter was 509.49, compared with 260.53 for Americans. The admission rate for malaria to hospitals and quarters was 119.24 for Europeans, as compared with 177.99 for Americans.

DEPORTATIONS.

There were 10 deportations accomplished during the month, 5 employees and 5 nonemployees; for disease, 7, and for injury, 3.

CANAL ZONE.

Among the 36,977 residents of the Canal Zone there was a total of 44 deaths; of these, 39 deaths were from disease, giving a rate of 12.66 per thousand, as compared with 13.85 for the preceding month and 15.82 for the corresponding month of last year. Of the total deaths from disease, the percentage under 5 years of age was 46, compared with 45 last month.

There were 67 births reported, giving a rate of 21.74 per thousand. Of these births, 18 were of white and 49 of colored children. There was 1 death of white and 14 deaths of colored children under 1 year of age, giving an infant mortality per thousand of 55 for white and 285 for colored children, with a general average of 224.

PANAMA CITY.

The population of the city is 60,000, among whom there was a total of 176 deaths; of these 166 deaths were from disease, giving a rate of 33.20 per thousand, as compared with 32.00 for the preceding month and 37.14 for the corresponding month of last year. Of the total deaths from disease, the percentage under 5 years of age was 48, compared with 47 last month. The principal causes of death showing an increase as compared with October were: Malaria, 13, as against 9 last month; tuberculosis, 20, as compared with 16 for the preceding month; nephritis, 16, compared with 15 for October.

There were 310 births reported, giving a rate of 62.00 per thousand. The infant mortality was 213 per thousand.

COLON.

The population of the city is 29,331, among whom there were 46 deaths; of these, 43 were from disease, giving a rate of 17.59 per thousand, as compared with 20.05 for the preceding month and 23.72 for the corresponding month of last year. Of the total deaths from disease, the percentage under 5 years of age was 44, compared with 39 last month.

The principal causes of death showing an increase as compared with October were: Cerebral hemorrhage, 3, compared with 1 for the previous month; acute bronchitis, 8, as against 5 last month; diarrhea and enteritis, 4, compared with 3 for October.

There were 110 births reported, giving a rate of 45.00 per thousand. The infant mortality was 100 per thousand.

HOSPITAL DIVISION.

ANCON HOSPITAL.

During the month the average number of patients constantly in hospital was 513. The per capita cost of patients in hospital proper was \$1.94 gross and \$1.036 net. The per capita cost of patients in the insane asylum was \$0.52.

BOARD OF HEALTH LABORATORY.

The following work in addition to the usual routine was done:

The preparation of smallpox vaccine for local use by the health department is being continued.

The examinations of blood smears from the placenta and peripheral blood have disclosed several instances of placental segregation of parasites when they were practically absent from the peripheral blood.

The work of collecting and preparing the material and data for the exhibits at Panama and San Francisco is nearing completion.

During the month an analysis has been made of our autopsy records for the purpose of eliciting information on hookworm infections. Some of the results are interesting from a sanitary point of view.

The incidence of infection among all classes of Colombians and Panamans is still high. In 1905, when routine autopsy examinations were begun, the percentage of infected Colombians coming to autopsy was 80, while the recently arrived West Indian laborers showed that 52 per cent of them harbored hookworms. During the succeeding years it has become noticeable in our autopsy work that hookworm infections were not only becoming reduced in number, but we never encountered fatal cases of the disease, and the number of hookworms detected at autopsy was very markedly diminished. This undoubtedly is due to anthelmintic treatment in the wards from year to year, but chiefly due to the relative absence of soil pollution in the Canal Zone and the resulting infrequency of new infections. In 1913 the incidence of hookworm infection among Colombian patients coming to autopsy was 58, while that of West Indians was 34, a reduction of about 20 per

cent in each class. A very striking contrast was noted in comparing the incidence of infection of adults with children under 14 years of age, for the latter showed only 7.2 per cent of infections in 262 cadavers.

An investigation is now under way for the purpose of determining, within as close limits as possible, the duration of infection in individuals constantly living under conditions where there is now no soil pollution.

Early in the month a sanitary survey of the native village of San Miguel, Pearl Islands, Bay of Panama, was made. Malarial disease was found to exist on the island, particularly among children, although the infections encountered were usually light and the splenic index was very low—5.1. Entamoebic dysentery was found in some of the adults. The islands are notorious as having been one of the endemic centers of beriberi, but, so far as could be ascertained, the disease is unknown among the natives and was confined solely to the helmet divers who lived on the boats of the Pearl fishery fleet.

FARM FOR DISABLED.

The per capita cost was \$0.41, as compared with \$0.42 in October.

During the month grading was done on the road and site for cow barn. The pasture was cleaned and the fence repaired. Hog lots were fenced and the garden and nursery were cultivated.

INSANE DEPARTMENT.

Thirteen patients were admitted during the month, two of whom were soldiers.

Of the 16 discharges, 7 had fully recovered possession of their mental faculties, 2 were very much improved, and 7 were unimproved.

Five inmates, who did not evince any amelioration in their individual mental disorders, were deported to: Barbados, 1; British Guiana, 1; England, 1; and Trinidad, 2.

Two of the five deaths resulted from beriberi and pellagra—the former a rare condition at the asylum.

The entire population of 298 insane were vaccinated, successfully in about $33\frac{1}{3}$ per cent of cases.

The work assigned to patients in the sewing room, laundry, kitchen, and other departments of the institution, as well as the hospital farm at Corozal, was performed in a creditable and economical manner, and those so employed have, on the whole, proven cheerful, contented, and docile.

CHRONIC WARD.

There were 28.83 chronic and incurable patients constantly cared for during the month. The cost of subsistence per patient per day was \$0.32.

Detailed statistics are shown in Table XIII.

COLON HOSPITAL.

The highest number of patients treated on any one day during the month was 45; the lowest number 25; the daily average being 33.50. The average number of employees constantly sick was 21.46. The average number of days' treatment per employee was 9.09.

Detailed statistics are shown in Table XIV.

PALO SECO LEPER ASYLUM.

The number of patients under treatment at the end of the month was 49, as against 50 for the preceding month. The per capita cost per patient was \$0.88.

Detailed statistics are shown in Table XV.

SANTO TOMAS HOSPITAL.

The average number of patients constantly sick in hospital shows the usual increase over the previous months, and there seems to be no indication that there will be any decrease in this average in the immediate future. The daily average of patients reached 460, as compared with 452 for the month previous. The total number of hospital days for the month was 13,815. The dispensary was called upon to handle a larger number of cases than ever before; this was due to some extent to the lack of funds among the working population of Panama. The deaths in hospital totaled 81, including 10 stillbirths in the maternity home. The number of births during the month reached 103.

A decided decrease in the number of admissions for malaria has been noted. The majority of these cases still come from the Calidonia and Guachapali sections of the city. The reduction in malaria is due without doubt to the excellent work of the health officer in its control. Beriberi is still prevailing. One admission for diphtheria occurred during the month.

Detailed statistics are shown in Table XVI.

DISTRICT DISPENSARIES.

The dispensary having the highest admission rate for malaria was Corozal, with an average weekly percentage of 0.36, while at Toro Point no cases were admitted.

Detailed statistics are shown in Table IX.

SANITATION—CANAL ZONE.

The malaria admission rate, while still lower than in any previous November, reached a higher point for the week ending the 28th than for any week since June 6, the number of employees from the zone admitted to hospitals and quarters with malaria being 43, or 0.24 per cent. The cause of this increase is not fully known. It has not been limited to one place or neighborhood nor related to new fills or construction work. A resort known as the Casino, on the outskirts of Panama, has been a place at which many infections occurred, and as the place is very popular at night and the neighborhood unimproved, it is feared that cases may continue to originate there for some time.

General sanitary conditions have been good. A new hydraulic fill has been started and measures are being taken to keep ahead of mosquito breeding in it.

There has been a further marked reduction in the amount of oil and larvacide used.

The annual physical examination of school children was made during the month and the following is a summary of the result of same:

Number of physical examinations made.....	932
Number found needing treatment.....	308
Number of other defects than teeth only.....	212
Number with defects of teeth as only defect.....	117
Percentage of those examined needing treatment..... per cent..	33
Defects found:	
Defective vision.....	71
Defective hearing.....	22
Defective nasal breathing.....	40
Hypertrophied tonsils.....	129
Pulmonary disease.....	2
Cardiac disease.....	2
Chorea.....	1
Orthopedic defects.....	7
Malnutrition.....	9
Defective teeth.....	164
Number of cases of contagious skin diseases.....	1

Arrangements have been made to follow up all cases in which defects were found, with a view to correcting them if possible.

The following communicable diseases were reported during the month:

Measles.....	1
Scarlet fever.....	3
Mumps.....	26
Malarial fever.....	265
Tuberculosis.....	4
Erysipelas.....	1
Whooping cough.....	6
Dysentery.....	2

Detailed statistics are shown in Table XVII.

SANITATION—PANAMA.

COMMUNICABLE DISEASES.

Diphtheria.—One case of diphtheria of a very mild character was reported.

Scarlet fever.—The occurrence of two cases of scarlet fever was reported, the first for several months.

Beriberi.—Four cases of this disease were reported during the month.

Malaria.—A lower hospital admission rate for malaria has been noted the past month, which is doubtless attributable to the extensive drainage work which has been done. Along the Savanas Road, beyond Calidonia-Guachapali, appears to be the zone of danger, the greater number of cases being reported among persons who had spent their evenings in that part of the city. Of the reported deaths from malaria the large majority were based on clinical findings.

Arrangements have been made to have the board of health laboratory make examinations of specimens from suspected infec-

tious diseases, thus affording the local practitioners, without charge, a ready means of diagnosis of communicable diseases. The health office has been supplied with containers, culture tubes, etc.

VACCINATIONS.

One thousand eight hundred and ten vaccinations were performed during the month, bringing the grand total since April 1 to 12,733.

MOSQUITO, RAT, AND FLY WORK.

Mosquitoes.—The work against Anophelines was extended during the month to include the area surrounding the New Casino Building, from which a large number of cases of malaria had originated. That section of the suburbs has always been considered a very dangerous one as regards malaria, and the work undertaken should be of great benefit. Within the city proper an increase in the number of breeding places was noted.

Flies.—One hundred and seventy-six quarts of flies were trapped at the public dump. Owing to the heavy rains the fires were frequently extinguished, during which time large numbers of larvæ would quickly appear. Borax, in the solution of one-half pound to 1 gallon of water, was liberally applied to the ground surface where larvæ were noted; but the good effects of this solution as a preventive to pupation could not be noticed.

Rats.—Five hundred and sixty-two rats were trapped during the period and all were found to be negative for plague.

GARBAGE COLLECTION.

The collection of garbage was satisfactorily performed, but the cremation at the public dump was a failure. During the past three months 474 measured quarts of flies have been trapped on and around the public dump. An even greater quantity of fly larvæ were destroyed by scraping up and throwing upon the hot ashes.

An estimate of the cost of garbage disposal at sea by Clapet service was made and found to be beyond the allowance for this work. Plans for a rail incinerator are being considered.

The work of placing garbage cans and covers was continued.

STREET CLEANING.

The combined method of machine and hand brooms was carried on throughout the month with very satisfactory results, with a slight cost reduction over the preceding month. The use of the street machine has been temporarily suspended, owing to the shortage of brooms.

BUILDINGS.

The condemnation of buildings for repairs was carried on during the month; 61 permits were issued for repairs to old buildings, 36 permits for new buildings. The increased depth of the foundation wall from 18 inches to 2 feet has been put into effect, and all other rat-proofing features were carefully observed.

Detailed statistics are shown in Table XVII.

SANITATION—COLON.

Several bakeries have been renovated and structural improvements made. Some of them were originally so built that it would be impossible to make the complete structural modern types without entire condemnation and reconstruction, but all are greatly improved over their condition six months ago.

A model fowl coop has been built and circulars given out to put into effect the recent order concerning live animals.

An arrangement has been made with the alcalde for the periodic disinfection of the jails in Colon.

A plan has been inaugurated by which weekly night inspections of the city are being made by a sanitary inspector. As a result of the first inspection 18 arrests were made for violations of the sanitary laws, and convictions obtained in each case.

The demolition of the Panama Railroad Pier No. 1, which was condemned for sanitary reasons, is in progress. Its removal will immensely improve health conditions along the water front.

VACCINATIONS.

Of the 1,910 persons examined, 1,828 were found protected and 82 were vaccinated.

The following cases of communicable diseases were reported during the month:

Typhoid fever.....	3
Measles.....	11
Mumps.....	3
Trachoma.....	3

Detailed statistics are shown in Table XVII.

QUARANTINE SERVICE.

It is noted in the immigration report that a considerable number of both steerage and cabin passengers were received from the United States, immigration from other ports remaining fairly stationary. This increase from the States is probably due to the cold weather and hard times.

The number deported during the month shows an increase. Twenty-one deserters and stowaways were deported from the Atlantic side. The question of destitute deserters and workaways is a perplexing one. These men get ashore, as a rule, from tramps in transit. Circular letter has been sent to the consuls, masters, and agents notifying them that members of such crews are not to be discharged until examined for immigration reasons.

Passenger traffic has markedly decreased, while cargo ships are making up the deficiency.

The plague and yellow fever situation in South America shows no appreciable change. New Orleans is practically clean, and no new cases of plague have been reported in Cuba.

The repair work on the quarantine station at Colon is almost completed, while probably six weeks will be required to complete the transfer of buildings from Culebra Island to Balboa Dump.

No disease of a quarantinable nature has entered our ports during the month.

Detailed statistics are shown in Table XVIII.

TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES: DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE CANAL ZONE.

ABSOLUTE NUMBERS.

Color.	Number of employees.	Admissions to hos- pitals.			Died.			Noneffective from sickness.	
		Total.	Disease.	Ex- ternal causes.	Total.	Disease.	Ex- ternal causes.	Days treated.	Con- stantly noneffective.
Nov., 1914.									
White.....	5,759	174	148	26	4	2	2	3,525	117.51
Colored.....	31,413	418	301	117	10	3	7	8,545	284.82
Total.....	37,172	592	449	143	14	5	9	12,070	402.33
Oct., 1914.									
White.....	6,422	232	190	42	2	1	1	3,731	120.36
Colored.....	31,994	502	361	141	21	14	7	9,577	308.93
Total.....	38,416	734	551	183	23	15	8	13,308	429.29
Nov., 1913.									
White.....	9,924	570	453	117	11	4	7	9,542	318.05
Colored.....	44,018	830	574	256	34	18	16	13,656	455.21
Total.....	53,942	1,400	1,027	373	45	22	23	23,198	773.26

PROPORTIONATE NUMBERS.¹

<i>Nov., 1914.</i>									
White.....	5,759	362.56	308.39	54.17	8.34	4.17	4.17	.....	20.41
Colored.....	31,413	159.68	114.98	44.69	3.82	1.15	2.67	.....	9.06
Total.....	37,172	191.11	144.95	46.16	4.51	1.61	2.90	.....	10.82
<i>Oct., 1914.</i>									
White.....	6,422	433.51	355.03	78.48	3.74	1.87	1.87	.....	18.74
Colored.....	31,994	188.29	135.40	52.89	7.87	5.24	2.63	.....	9.65
Total.....	38,416	229.28	172.12	57.16	7.18	4.68	2.50	.....	11.18
<i>Nov., 1913.</i>									
White.....	9,924	689.24	547.76	141.48	13.30	4.84	8.46	.....	31.94
Colored.....	44,018	226.27	156.48	69.79	9.27	4.91	4.36	.....	10.34
Total.....	53,942	311.44	228.46	82.98	10.01	4.89	5.12	.....	14.33

¹ Annual average per 1,000.

TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES: DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE CANAL ZONE—Continued.

PROPORTIONATE NUMBERS—Continued.

Place.	Popula- tion.	Deaths.			Annual average per 1,000.		
		Total.	Dis- ease	Ex- ternal causes.	Total.	Dis- ease.	Ex- ternal causes.
<i>November, 1914.</i>							
Panama.....	60,000	176	166	10	35.20	33.20	2.00
Colon.....	29,331	46	43	3	18.82	17.59	1.23
Canal Zone.....	36,977	44	39	5	14.28	12.66	1.62
Total.....	126,308	266	248	18	25.27	23.56	1.71
<i>October, 1914.</i>							
Panama.....	60,000	163	160	3	32.60	32.00	.60
Colon.....	29,331	51	49	2	20.87	20.05	.82
Canal Zone.....	36,395	49	42	7	16.16	13.85	2.31
Total.....	125,726	263	251	12	25.10	23.96	1.14
<i>November, 1913.</i>							
Panama.....	47,172	153	146	7	38.92	37.14	1.78
Colon.....	20,232	45	40	5	26.69	23.72	2.97
Canal Zone.....	58,439	95	77	18	19.51	15.82	3.69
Total.....	125,843	293	263	30	27.94	25.08	2.86

TABLE II.—DEATHS, BY AGE, COLOR, AND SEX.

Age.	White.			Colored.			Yellow.			Total.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Under 1 year.....	3	3	6	49	37	86	.....	.....	.....	52	40	92
1 to 4 years.....	1	.....	1	13	11	24	.....	.....	.....	14	11	25
5 to 10 years.....	.....	.....	.....	5	1	6	.....	.....	.....	5	1	6
11 to 20 years.....	1	2	3	5	4	9	.....	.....	.....	6	6	12
21 to 30 years.....	3	1	4	27	23	50	1	.....	1	31	24	55
31 to 40 years.....	3	.....	3	13	16	29	.....	.....	.....	16	16	32
41 to 50 years.....	3	1	4	11	5	16	.....	.....	.....	14	6	20
51 to 60 years.....	1	1	2	5	.....	5	.....	.....	.....	6	1	7
61 to 70 years.....	.....	1	1	2	3	5	.....	.....	.....	2	4	6
71 to 80 years.....	.....	.....	.....	5	.....	5	.....	.....	.....	5	.....	5
81 to 90 years.....	.....	2	2	1	1	2	.....	.....	.....	1	3	4
Not stated.....	.....	.....	.....	2	.....	2	.....	.....	.....	2	.....	2
Total.....	15	11	26	138	101	239	1	.....	1	154	112	266

TABLE III.—DEATHS BY NATIONALITY.

Nations.	Employees.	Nonem- ployees.	Total.
Antigua.....		1	1
Barbados.....	5	30	35
China.....		1	1
Colombia.....		5	5
Costa Rica.....		1	1
Fortune Islands.....	1		1
France.....		1	1
Grenada.....	1	2	3
Guadeloupe.....		1	1
Italy.....		1	1
Jamaica.....	3	48	51
Martinique.....		3	3
Nicaragua.....		1	1
Panama.....	1	142	143
Peru.....		1	1
Spain.....	1		1
St. Lucia.....		5	5
St. Thomas.....		1	1
St. Vincent.....		2	2
Trinidad.....		1	1
United States.....	2	4	6
Unknown.....		1	1
Total.....	14	252	266

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

			Number of deaths.	Annual average per 1,000.
White employees from the United States.	4,652	Disease.....	1	2.58
		External causes...	1	2.58
		All causes.....	2	5.16
White women and children from the United States.	3,439	Disease.....	2	6.98
		External causes...		
		All causes.....	2	6.98
White employees and their families from the United States.	8,091	Disease.....	3	4.45
		External causes...	1	1.48
		All causes.....	4	5.93
Total number of Americans on the Canal Zone.	11,814	Disease.....	3	3.05
		External causes...	1	1.01
		All causes.....	4	4.06

TABLE V.—CAUSES OF DEATHS OF EMPLOYEES OF THE PANAMA CANAL AND PANAMA RAILROAD.

Causes of death.	White.	Colored.	Total.
Disease:			
Cancer of stomach and liver.....	1		1
Lobar pneumonia.....		1	1
Organic disease of heart.....		1	1
Purulent infection and septicemia.....	1		1
Tuberculosis of genito-urinary organs.....		1	1
External causes:			
Accidental drowning.....	1	3	4
Railroad traumatism.....		1	1
Suicide by firearms.....		1	1
Traumatism by fall.....	1	2	3
Total.....	4	10	14

TABLE VI.—CAUSES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION AND PLACES WHERE CHARGEABLE.

Disease.	Pan-ama.	Colon.	Canal Zone.	Total.
<i>General diseases.</i>				
Typhoid fever.....	1	1		2
Malaria.....	1			1
Malarial fever:				
Estivoautumnal.....	1		2	3
Undetermined.....	2			2
Clinical.....	8			8
Cachexia.....	1			1
Dysentery.....	3		1	4
Leprosy.....	1			1
Erysipelas.....	1			1
Purulent infection and septicemia.....			1	1
Septicemia.....	1	2	1	4
Tetanus.....	1			1
Pellagra.....	7	1		8
Beriberi.....	2			2
Tuberculosis of the lungs.....	17	6	1	24
Acute miliary tuberculosis.....	1			1
Abdominal tuberculosis.....	1			1
Pott's disease.....		1		1
Tuberculosis of the genito-urinary organs.....			1	1
Disseminated tuberculosis.....	1			1
Syphilis, hereditary.....	2	2		4
Syphilis, period not stated.....	1		1	2
Cancer and other malignant tumors of the stomach and liver.....	3			3
Other tumors (tumors of the female genital organs excepted).....	1			1
Scurvy.....	1			1
Anemia, primary, pernicious.....	1			1
Alcoholism (acute or chronic).....	1			1
<i>Diseases of the nervous system and of the organs of special sense.</i>				
Cerebral hemorrhage, apoplexy.....		3		3
Paralysis without specified cause.....		1		1
Epilepsy.....		1		1
Convulsions (nonpuerperal) (5 years and over).....			1	1
Convulsions of infants (under 5 years of age).....	1			1
Diseases of the ears.....	1		1	2
<i>Diseases of the circulatory system.</i>				
Acute endocarditis.....	3			3
Organic diseases of the heart.....	2		2	4
Angina pectoris.....		2		2
Aneurysm.....		1		1
Arteriosclerosis.....	6			6
<i>Diseases of the respiratory system.</i>				
Acute bronchitis.....	4	8		12
Chronic bronchitis.....	1			1
Broncho-pneumonia.....	10	2	6	20
Pneumonia (unqualified).....	4		2	6
Lobar pneumonia.....	1	3		4
Pleurisy.....	1			1
Gangrene of the lungs.....	1			1
Other diseases of the respiratory system (tuberculosis excepted).....	2			2

TABLE VI.—CAUSES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION AND PLACES WHERE CHARGEABLE—Continued.

Disease.	Pan-ama.	Colon.	Canal Zone.	Total.
<i>Diseases of the digestive system.</i>				
Diseases of the mouth and adnexa.....	1	.....	.....	1
Other diseases of the stomach (cancer excepted).....	1	.....	.....	1
Acute gastritis.....	.....	1	.....	1
Diarrhea and enteritis (under 2 years).....	25	4	4	33
Diarrhea and enteritis (2 years and over).....	1	1	1	3
Acute appendicitis.....	1	.....	.....	1
Intestinal obstruction.....	.....	.....	1	1
Other diseases of the intestines.....	.....	.....	1	1
Cholecystitis.....	.....	.....	1	1
Simple peritonitis (nonpuerperal).....	1	.....	.....	1
<i>Nonvenereal diseases of the genito-urinary system and adnexa.</i>				
Acute nephritis.....	3	.....	.....	3
Bright's disease (chronic nephritis).....	13	1	.....	14
Pyelo-nephrosis.....	.....	.....	1	1
<i>The puerperal state.</i>				
Accidents of pregnancy.....	1	.....	1	2
Puerperal septicemia.....	2	.....	1	3
Eclampsia.....	2	.....	.....	2
<i>Diseases of the bones and of the organs of locomotion.</i>				
Diseases of the bones (tuberculosis excepted).....	.....	1	.....	1
<i>Malformations.</i>				
Congenital malformations (stillbirth not included).....	1	.....	1	2
<i>Diseases of early infancy.</i>				
Congenital debility, icterus, and sclerema.....	3	.....	2	5
Premature birth.....	3	.....	.....	3
Malnutrition.....	5	1	1	7
Other causes peculiar to early infancy (including various consequences of labor).....	1	.....	1	2
<i>Old age.</i>				
Senility.....	1	.....	.....	1
<i>Affections produced by external causes.</i>				
Suicide by firearms.....	2	.....	1	3
Burns (conflagration excepted).....	1	.....	.....	1
Accidental drowning.....	1	.....	3	4
Traumatism by fall.....	1	2	.....	3
Railroad traumatism.....	1	1	1	3
Homicide by firearms.....	3	.....	.....	3
Homicide by cutting or piercing instruments.....	1	.....	.....	1
<i>Ill-defined diseases.</i>				
Cause of death not specified or ill-defined.....	2	.....	3	5
Total.....	176	46	44	266
Stillbirths.....	16	6	5	27
Grand total.....	192	52	49	293

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE
NOVEMBER,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	W.			W.			W.			W.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>General diseases.</i>												
Typhoid fever.....									1			1
Malarial fever:												
Estivo-autumnal.....	14	4	73				7	4	12			
Tertian.....	4	2	3				14	1	2			
Clinical.....	17	4	42				7	7	6			
Cachexia.....			1						1			
Vaccinia.....			1									
Measles.....			7						3			
Scarlet fever.....								3				
Diphtheria and croup.....												
Influenza.....	5						1					
Dysentery.....												1
Dysentery, unclassified.....			4						1			
Erysipelas.....								1				
Mumps.....		3	30					1	7			
Yaws.....			1									
Other epidemic diseases.....												
Purulent infection and septicæmia.....	1			1								
Septicæmia.....												
Pellagra.....									3			2
Tuberculosis of the lungs.....			2					1	4		1	1
Acute miliary tuberculosis.....									1			1
Abdominal tuberculosis.....			2				1					
Tuberculosis of bones and joints.....									1			
Tuberculosis of the genito-urinary organs.....			1			1						
Disseminated tuberculosis.....									1		1	1
Syphilis:												
Primary.....							1					
Secondary.....	1	2	3				2	1	2			
Tertiary.....		1	1						1			
Period not stated.....			7						3			
Gonorrhea.....	1	2	5				18	1	2			
Gonorrheal arthritis.....			1				1					
Gonorrheal bubo.....		1										
Gonorrheal orchitis and epididymitis.....	1	1							1			
Soft chancre.....	1	1	3				8		1			
Adenitis chancroidal.....		1	3				1					
Cancer and other malignant tumors of the stomach and liver.....					1							
Acute articular rheumatism.....	1											
Chronic rheumatism and gout.....		1										
Anemia, primary, pernicious.....							1					
Other general diseases.....	2											
Alcoholism (acute or chronic).....	1											
Alcoholism, acute.....	1						1					
Alcoholic psychosis.....			1						1			

HOSPITALS OF THE PANAMA CANAL FOR THE MONTH OF
1914.

[illegible]

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE NOVEMBER,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	W.			W.			W.			W.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Diseases of the nervous system and of the organs of special sense.</i>												
Other diseases of the spinal cord.....			1				1					
Cerebral hemorrhage, apoplexy.....												
Paralysis without specified cause.....												
Other forms of mental alienation.....			2					1	5			
Dementia precox.....							1		1			
Epilepsy.....			2				2					
Hysteria.....							2					
Neuralgia.....			1									
Neuritis.....		1	2									
Other diseases of the nervous system.....		1										
Neurasthenia.....	1							3				
Diseases of the eyes and their annexa.....	3	5	11				6		5			
Trachoma.....								3				
Diseases of the ears.....	2	2	2				4	2	1			1
<i>Diseases of the circulatory system.</i>												
Organic diseases of the heart.....	1		1			1	1	1				
Diseases of the veins (varices, hemorrhoids, phlebitis, etc.).....							2					
Hemorrhoids.....			2				2		2			
Varicocele.....	1						1					
Diseases of the lymphatic system (lymphangitis, etc.).....							1		1			
Lymphadenitis (nonvenereal).....	2	4	3					1				
Hemorrhage; other diseases of the circulatory system.....			1						1			
<i>Diseases of the respiratory system.</i>												
Diseases of the nasal fossæ.....	1						5	2				
Adenoid vegetations.....								2				
Acute bronchitis.....	1		3				3					
Chronic bronchitis.....	1							1				
Broncho-pneumonia.....								2	2			2
Pneumonia (unqualified).....									1			1
Lobar pneumonia.....			4			1			1			
Pleurisy.....	1		3									
Empyema.....								2				
Gangrene of the lungs.....												1
Asthma.....	1							1				
Other diseases of the respiratory system (tuberculosis excepted).....	1						6					

HOSPITALS OF THE PANAMA CANAL FOR THE MONTH OF 1914—Continued.

Colon Hospital.									Total.								
Employees.						Nonemployees.			Employees.						Nonemployees.		
Admis- sions.			Deaths.			Admis- sions.			Admis- sions.			Deaths.			Admis- sions.		
W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.
..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	1	..	..
..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	2	..
..	..	..	..	..	..	..	1	4	..	..	2	..	..	..	..	9	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	2	..	..
..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	2	..	..
1	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	..	..
1	..	..	..	..	..	2	..	..	1	1	..	..	..	..	2	..	..
..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	3	..	..
..	3	..	..	..	..	..	..	1	3	5	14	..	..	..	6	6	..
..	..	..	..	..	..	..	..	..	2	2	2	..	..	..	4	2	1
..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	1	..	..
..	..	..	..	..	..	..	..	..	..	2	..	..	..	2	..	..	..
..	..	..	..	..	..	..	..	..	1	..	2	..	..	2	..	2	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
..	..	..	..	..	..	..	..	..	2	4	3	..	..	1	1	..	..
..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..
..	..	..	..	..	..	..	..	..	1	..	..	..	..	5	2	..	..
..	..	..	..	..	..	..	1	..	1	..	3	..	..	3	2	..	..
..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	1	..	..
1	..	..	..	..	..	..	..	..	1	..	..	..	..	2	2	..	2
..	..	..	..	..	..	..	..	..	1	4	..	..	..	1	1	..	1
..	..	..	..	..	..	..	..	..	1	3	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	1
..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..
..	1	..	..	..	..	..	..	..	1	1	..	..	..	6	..	..	..

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE NOVEMBER,

Diseases.	Ancon Hospital.										
	Employees.						Nonemployees.				
	Admissions.			Deaths.			Admissions.			Deaths.	
	W.			W.			W.			W.	
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.
<i>Nonvenereal diseases of the genito-urinary system and adnexa—Con.</i>											
Uterine tumor (noncancerous).....								1			
Other diseases of the uterus.....								1	2		
Metritis.....								2			
Cysts and other tumors of the ovary.....									1		
Salpingitis and other diseases of the female genital organs.....								1	6		
<i>The puerperal state.</i>											
Normal labor.....								14			
Accidents of pregnancy.....									1		
Extra-uterine pregnancy.....									4		
Hyperemesis gravidarum.....								2	1		
Abortion.....								1	1		
Other accidents of labor.....									1		
Puerperal septichemia.....									1		1
Following childbirth (not otherwise defined).....								1			
<i>Diseases of the skin and of the cellular tissue.</i>											
Furuncle.....			2					1			
Acute abscess.....	2		4				2		2		
Phlegmon and cellulitis.....		1	1				1				
Elephantiasis.....			1								
Dhobie itch.....	2						2				
Ulcer of the skin.....			4								
Impetigo contagiosa.....	1	2									
Other diseases of the skin and an-nexa.....	1		1				2	2	4		
<i>Diseases of the bones and of the organs of locomotion.</i>											
Diseases of the bones (tuberculosis excepted).....							1	1	2		1
Caries (nontuberculous).....									1		
Osteomyelitis.....		1									
Ankylosis.....							1				
Arthritis.....	1						2				
Synovitis.....	1										
Amputations.....	1										
Other diseases of the organs of lo-motion.....	2						2	1	2		

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE NOVEMBER,

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	W.			W.			W.			W.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Malformations.</i>												
Congenital malformations (still-birth not included).....								1			1	
<i>Diseases of early infancy.</i>												
Newborn child.....								17	1			
Malnutrition.....									3			
<i>Affections produced by external causes.</i>												
Poisoning by food.....	2		3									
Other acute poisonings.....	1		1									
Burns (conflagration excepted) ..			6						2			
Traumatism by firearms.....									1			
Traumatism by cutting or piercing instruments.....		1	13					3				
Traumatism by fall.....			11									
Traumatism in mines and quarries.....			6									
Traumatism by machines.....			10									
Traumatism by other crushings (vehicles, railroads, landslides, etc.).....	1		1									
Railroad traumatism.....	1		7			1	1		1			
Electricity (lightning excepted) ..	1											
Fractures (cause not specified)...	3	2	2				2	1	1			
Sprains.....	1		1				3					
Other external violence.....	6	4	40				3	3	2			
<i>Ill-defined diseases.</i>												
Cause of death not specified or ill-defined.....												1
Infections of undetermined origin.....	2							1				
No disease.....			2					20	6			
Total.....	109	52	362	1	1	4	141	157	131	...	5	18

HOSPITALS OF THE PANAMA CANAL FOR THE MONTH OF 1914—Continued.

Colon Hospital.												Total.											
Employees.						Nonemployees.						Employees.						Nonemployees.					
Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.			Admis- sions.			Deaths.		
W.			W.			W.			W.			W.			W.			W.			W.		
Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
																			1			1	
							4	1										21	2				
																			3				
												2		3									
		1				1						1		7				1		2			
																			1				
1		5										1	1	18					3				
														11									
														6									
2		10			1							2		20			1						
												1		1									
												1		7			1	1		1			
												1											
												3	2	2				2	1	1			
												1		1				3					
												6	4	40				3	3	2			
		1						1				2		1				1	1				1
							3	1						2				23	7				
11	2	56			1	6	33	28			3	120	54	418	1	1	5	147	190	159		5	21

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT.

[A=American; F=foreign; B=black.]

Hospitals.	Remaining Nov. 1.			Admitted.			Died.		
	A. ¹	F. ¹	B.	A.	F.	B.	A.	F.	B.
<i>Ancon Hospital.</i>									
Panama Canal employees.....	40	30	202	99	51	283	1	.....	3
Panama Railroad employees.....	11	9	37	10	1	77	.....	1	1
Panama pay patients.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other pay patients.....	86	21	33	226	46	81	2	2	12
Charity patients.....	5	4	33	21	3	41	.....	.....	2
Total.....	142	64	305	356	101	482	3	3	18
<i>Insane department.</i>									
Panama Canal employees.....	1	4	11	.....	.....	2	.....	.....	.....
Panama Railroad employees.....	.....	.....	9	.....	.....	.....	.....	.....	.....
Panama pay patients.....	.....	12	168	.....	.....	8	.....	1	3
Other pay patients.....	4	2	4	2	.....	.....	.....	.....	.....
Charity patients.....	6	4	60	.....	.....	1	.....	.....	1
Total.....	11	22	252	2	.....	11	.....	1	4
Grand total.....	153	86	557	358	101	493	3	4	22
<i>COROZAL FARM.</i>									
Panama Canal employees.....	.....	7	52	.....	1	1	.....	.....	.....
<i>CHRONIC WARD.</i>									
Charity patients.....	.....	.....	27	.....	.....	7	.....	.....	.....
<i>Colon Hospital.</i>									
Panama Canal employees.....	3	.....	11	8	2	36	.....	.....	1
Panama Railroad employees.....	1	1	5	3	.....	20	.....	.....	.....
Panama pay patients.....	.....	.....	.....	2	.....	8	.....	.....	1
Other pay patients.....	4	2	2	19	8	8	.....	.....	2
Charity patients.....	2	.....	.....	8	2	12	.....	.....	.....
Total.....	10	3	18	40	12	84	.....	.....	4
<i>Palo Seco Leper Asylum.</i>									
Panama pay patients.....	.....	2	30	.....	.....	1	.....	.....	1
Charity patients.....	.....	2	16	.....	.....	.....	.....	.....	.....
Total.....	.....	4	46	.....	.....	1	.....	.....	1
<i>Grand total.</i>									
Panama Canal employees.....	44	41	276	107	54	322	1	.....	4
Panama Railroad employees.....	12	10	51	13	1	97	.....	1	1
Panama pay patients.....	.....	14	198	2	.....	17	.....	1	5
Other pay patients.....	94	25	39	247	54	89	2	2	14
Charity patients.....	13	10	136	29	5	61	.....	.....	3
Total.....	163	100	700	398	114	586	3	4	27

¹ White.

TABLE VIII.—CONSOLIDATED HOSPITAL REPORTS—Continued.

Hospitals	Dis- charged.			Trans- ferred.			Remain- ing Nov. 30.			Average number con- stantly sick.			
	A.	F.	B.	A.	F.	B.	A.	F.	B.	White.		B.	Total.
										A.	F.		
<i>Ancon Hospital.</i>													
Panama Canal employ- ees.....	95	46	305	.....	.....	2	43	35	175	42.77	32.60	184.73	260.10
Panama Railroad em- ployees.....	16	6	65	.....	.....	.....	5	3	48	7.17	4.10	46.40	57.67
Panama pay patients.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other pay patients.....	208	38	66	2	.....	1	100	27	35	88.43	21.07	35.70	145.20
Charity patients.....	14	4	26	.....	.....	.....	5	12	3	41	9.03	2.27	50.13
Total.....	333	94	462	2	.....	8	160	68	299	147.40	60.04	305.66	513.10
<i>Insane department.</i>													
Panama Canal employ- ees.....	.....	.....	.....	1	.....	.....	.....	4	13	.53	4.00	11.67	16.20
Panama Railroad em- ployees.....	.....	.....	.....	.....	.....	1	.....	.....	8	.....	.....	8.80	8.80
Panama pay patients.....	.....	1	6	.....	.....	1	.....	10	166	.....	11.17	166.66	177.83
Other pay patients.....	1	1	.....	.....	1	1	5	.....	3	4.96	.67	3.10	8.73
Charity patients.....	.....	.....	.....	1	.....	1	5	4	59	5.10	4.00	58.43	67.53
Total.....	1	2	6	2	1	4	10	18	249	10.59	19.84	248.66	279.09
Grand total.....	334	96	468	4	1	12	170	86	548	157.99	79.88	554.32	792.19
<i>COROZAL FARM.</i>													
Panama Canal employ- ees.....	.....	.....	10	.....	1	6	.....	7	37	.....	7.13	48.40	55.53
<i>CHRONIC WARD.</i>													
Charity patients.....	.....	.....	5	.....	.....	.....	.....	.....	29	.....	.....	28.83	28.83
<i>Colon Hospital.</i>													
Panama Canal employ- ees.....	6	1	24	2	.....	10	3	1	12	2.60	.23	10.53	13.36
Panama Railroad em- ployees.....	3	.....	11	.....	.....	6	1	1	8	1.16	1.00	5.93	8.09
Panama pay patients.....	.....	.....	3	1	.....	3	1	.....	1	.06	.....	.60	.66
Other pay patients.....	15	9	3	.....	1	1	8	.....	4	4.00	1.46	3.03	8.49
Charity patients.....	5	1	5	2	1	5	3	.....	2	1.90	.10	.86	2.86
Total.....	29	11	46	5	2	25	16	2	27	9.72	2.79	20.95	33.46
<i>Palo Seco Leper Asylum.</i>													
Panama pay patients.....	.....	.....	.....	.....	.....	.....	.....	2	30	.....	2.00	28.46	30.46
Charity patients.....	.....	.....	1	.....	.....	.....	.....	2	15	.....	2.00	15.16	17.16
Total.....	.....	.....	1	.....	.....	.....	.....	4	45	.....	4.00	43.62	47.62

TABLE VIII.—CONSOLIDATED HOSPITAL REPORTS—Continued.

Hospitals.	Dis-charged.			Trans-ferred.			Remain-ing Nov. 30.			Average number con-stantly sick.			
	A.	F.	B.	A.	F.	B.	A.	F.	B.	White.		B.	Total.
										A.	F.		
<i>Grand total.</i>													
Panama Canal employ-ees.....	101	47	339	3	1	18	46	47	237	45.90	43.96	255.33	345.19
Panama Railroad em-ployees.....	19	6	76	...	...	7	6	4	64	8.33	5.10	61.13	74.56
Panama pay patients....	...	1	9	1	...	4	1	12	197	.06	13.17	195.72	208.95
Other pay patients.....	224	48	69	2	2	3	113	27	42	97.39	23.20	41.83	162.42
Charity patients.....	19	5	37	3	1	11	20	9	146	16.03	8.37	142.11	166.51
Total.....	363	107	530	9	4	43	186	99	686	167.71	93.80	696.12	957.63

Number of employees remaining in hospitals:

White..... 103

Colored..... 301

Total..... 403

TABLE IX.—CONSOLIDATED DISPENSARY REPORT.

EMPLOYEES TREATED IN QUARTERS, AND ALL CASES TREATED BUT NOT EXCUSED.

Stations.	Employees treated in quarters.														
	Re- main- ing Nov. 1.		Ad- mitted.		Died.		Dis- charged.		Trans- ferred.		Re- main- ing Nov. 30.		Days lost.		
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	To- tal.
Naos Island.....			1	2			1	1		1			1	9	10
Ancon.....	3		94				89		4		4		215		215
Balboa.....	2	1	40	8			34	7	6	2	2		125	21	146
Corozal.....			48	4			45	3	3	1			69	11	80
Pedro Miguel.....			11				7		3		1		15		15
Paraíso.....	2		13	1			9	1	5		1		43	4	47
Culebra.....		2	11	28			11	24		5		1	26	69	95
Gatun.....		1	7	10			7	9				2	22	42	64
Colon.....	3	15	64	39			62	47			5	7	120	345	465
Margarita Pt.....			2	2			1	2	1				5	2	7
Total.....	10	19	291	94			266	94	22	9	13	10	641	503	1,144

TABLE IX.—CONSOLIDATED DISPENSARY REPORT—Continued.
EMPLOYEES TREATED IN QUARTERS, AND ALL CASES TREATED BUT NOT
EXCUSED—Continued.

Stations.	All cases treated but not excused.								
	Employees.			Nonemployees.			Total.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
Naos Island..	139	1,028	1,167	.....	.....	.....	139	1,028	1,167
Ancon.....	2,373	2,998	5,371	1,606	1,811	3,417	3,979	4,809	8,788
Balboa.....	3,171	3,439	6,610	284	271	555	3,455	3,710	7,165
Corozal.....	2,474	1,241	3,715	822	165	987	3,296	1,406	4,702
Pedro Miguel	440	827	1,267	533	168	701	973	995	1,968
Paraiso.....	710	1,446	2,156	345	512	857	1,055	1,958	3,013
Culebra.....	503	785	1,288	501	578	1,079	1,004	1,363	2,367
Gamboa.....	39	173	212	40	239	279	79	412	491
Gatun.....	806	1,619	2,425	867	530	1,397	1,673	2,149	3,822
Colon.....	544	1,478	2,022	327	454	781	871	1,932	2,803
Margarita Pt.	165	274	439	.....	.....	.....	165	274	439
Total....	11,364	15,308	26,672	5,325	4,728	10,053	16,689	20,036	36,725

CONSOLIDATED ADMISSION REPORT.

	White.	Colored.	Total.
Total admissions to hospitals, excluding Corozal Farm and chronic ward.....	511	578	1,089
Total admissions of employees to quarters.....	291	94	385
Total.....	802	672	1,474
Less number of patients transferred between hos- pitals. and from quarters to hospitals, whose admissions are duplicated in above figures.....	34	46	80
Net admissions to hospitals and quarters.....	768	626	1,394
Net admissions of employees to hospitals and quarters.....	441	485	926
Annual average per thousand of admissions of em- ployees to hospitals and quarters.....	918.91	185.24	298.93

CONTAGIOUS AND INFECTIOUS DISEASES REPORTED.

Diseases reported by health officers and district physicians.	Health office, Pan- ama.	Health office, Colon.	Canal Zone.	Total.
Measles.....	.....	11	1	12
Typhoid fever.....	.....	3	.....	3
Annual average per 1,000.....	.....	1.23	.....	.....
Scarlet fever.....	2	.....	3	5
Mumps.....	.....	3	26	29
Diphtheria (croup).....	1	.....	.....	1
<i>Diseases reported only by health officers.</i>				
Beriberi.....	4	.....	.....	4
Trachoma.....	.....	1	.....	1
<i>Diseases reported only by district physicians.</i>				
Rubella (rotheln).....	.....	.....	.....	1
Malarial fever.....	.....	.....	265	265
Tuberculosis (of any organ).....	.....	.....	4	4
Erysipelas.....	.....	.....	1	1
Whooping cough.....	.....	.....	6	6
Dysentery.....	.....	.....	2	2

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

	White.	Colored.	Total.
Hospitals:			
Ancon Hospital.....	91.17	251.60	342.77
Colon Hospital.....	4.99	16.46	21.45
Total.....	96.16	268.06	364.22
Quarters:			
Naos Island.....	.03	.30	.33
Ancon.....	7.16	.....	7.16
Balboa.....	4.16	.70	4.86
Corozal.....	2.30	.36	2.66
Pedro Miguel.....	.50	.....	.50
Paraiso.....	1.43	.13	1.56
Culebra.....	.87	2.30	3.17
Gatun.....	.73	1.40	2.13
Colon.....	4.00	11.50	15.50
Margarita Point.....	.17	.07	.24
Total.....	21.35	16.76	38.11
	Hospitals.	Quarters.	Total.
Average number of employees constantly sick:			
White.....	96.16	21.35	117.51
Colored.....	268.06	16.76	284.82
Total.....	364.22	38.11	402.33
Average number of employees constantly sick per 1,000:			
White.....	16.70	3.71	20.41
Colored.....	8.53	.53	9.06
Total.....	9.80	1.02	10.82

TABLE XI.—AVERAGE LENGTH OF STAY IN HOSPITALS OR QUARTERS FOR EACH ADMISSION OF SICK EMPLOYEES.

	White.	Colored.	Total.
Hospitals:			
Ancon Hospital.....	13.15	17.34	16.06
Colon Hospital.....	17.17	7.23	9.09
Quarters:			
Naos Island.....	1.00	4.50	3.30
Ancon.....	2.54	.....	2.54
Balboa.....	3.42	2.33	3.22
Corozal.....	1.44	2.75	1.54
Pedro Miguel.....	1.50	.....	1.50
Paraiso.....	3.62	4.00	3.64
Culebra.....	2.36	2.59	2.52
Gatun.....	3.14	5.22	4.31
Colon.....	2.00	9.30	5.15
Margarita Point.....	2.50	1.00	1.75

TABLE XII.—FINANCIAL STATEMENT, DEPARTMENT OF HEALTH.

	September, 1914.	August, 1914.	September, 1913.
Administration:			
Chief health office.....	\$1,277.44	\$2,128.10	\$4,781.98
Hospital division:			
Ancon Hospital.....	34,786.47	37,863.74	46,264.11
Corozal farm.....	113.85	1,621.72	927.36
Chronic ward.....	294.89	290.47	.....
Colon Hospital.....	2,936.33	2,539.86	14,446.35
Taboga Sanitarium.....	.....	.....	2,256.36
Palo Seco Leper Asylum.....	1,369.87	1,393.16	1,149.89
Santo Tomas Hospital.....	851.00	901.00	861.00
Medical storehouse.....	533.89	644.56	694.17
Construction and repairs to buildings....	2,255.33	980.76	818.50
Total.....	42,913.93	46,235.27	67,417.74
Dispensaries:			
Naos Island.....	29.32	107.86	400.99
Balboa.....	888.71	1,001.87	991.87
Tivoli.....	.....	.....	796.38
Corozal.....	740.47	552.42	752.74
Miraflores.....	.....	.....	175.11
Pedro Miguel.....	395.73	397.51	506.80
Paraiso.....	511.77	498.12	594.23
Culebra.....	449.32	513.05	896.52
Empire.....	.....	470.01	1,134.60
Las Cascadas.....	.....	.....	399.12
Gamboia.....	119.35	123.68	.....
Bas Obispo.....	.....	.....	496.70
Gatun.....	510.45	511.61	1,261.79
Cristobal.....	.....	560.53	978.54
Margarita Point.....	110.12	112.76	117.66
Toro Point.....	.....	.....	391.29
Porto Bello.....	.....	.....	413.75
Total.....	3,755.24	4,849.42	10,308.09
Sanitary division:			
General inspector.....	50.00	120.00	1,000.00
Health office, Panama.....	2,649.65	3,076.48	2,950.60
Street cleaning.....	4,332.79	4,644.03	2,033.51
Health office, Colon.....	2,460.10	2,150.01	2,004.33
Street cleaning.....	1,647.99	2,003.17	1,721.20
Zone sanitation—			
Ancon.....	1,944.32	1,667.58	1,473.64
Balboa.....	1,272.96	1,377.37	1,463.25
Corozal.....	1,276.92	1,444.56	1,933.97
Miraflores.....	.....	.....	1,865.14
Pedro Miguel.....	1,073.27	993.29	1,568.24
Paraiso.....	1,091.35	1,142.86	1,537.91
Culebra.....	706.81	1,046.52	1,717.81
Empire.....	576.13	1,352.59	2,894.08
Las Cascadas.....	.....	.....	1,354.68
Bas Obispo.....	.....	.....	1,011.49
Matachin.....	.....	.....	170.20
Frijoles.....	103.84	66.43	.....
Gatun.....	1,754.25	2,106.09	3,356.95
Cristobal and Mount Hope.....	2,765.31	2,758.98	3,230.67
Toro Point.....	81.81	634.27	79.67
Porto Bello.....	.....	.....	362.24
Total.....	23,787.50	26,584.23	33,729.58
Quarantine division.....	4,360.27	4,578.33	4,352.85

TABLE XII.—FINANCIAL STATEMENT, DEPARTMENT OF HEALTH—
Continued.

	September, 1914.	August, 1914.	September, 1913.
<i>Recapitulation.</i>			
Chief health office.....	1,277.44	2,128.10	4,781.98
Hospital division.....	42,913.93	46,235.27	67,417.74
Dispensaries.....	3,755.24	4,849.42	10,308.09
Sanitary division.....	23,787.50	26,584.23	33,729.58
Quarantine division.....	4,360.27	4,578.33	4,352.85
Grand total.....	76,094.38	84,375.35	120,590.24

NOTE.—September, 1914, last available figures. The expenses of Corozal farm were \$1,223.29. Credit appears on account of adjustment of charges between the farm and Ancon Hospital.

TABLE XIII.—ANCON HOSPITAL.

REPORT OF NATIONALITY OF PATIENTS TREATED.

	Total number treated.	Americans.		Other nations.	
		White.	Black.	White.	Black.
Hospital:					
Panama Canal employees.....	705	138	1	81	485
Panama Railroad employees.....	145	21	.....	10	114
Panama pay patients.....	493	312	.....	67	114
Other pay patients.....	107	26	.....	7	74
Total.....	1,450	497	1	165	787
Asylum:					
Panama Canal employees.....	18	1	.....	4	13
Panama Railroad employees.....	9	.....	.....	.....	9
Panama pay patients.....	188	.....	.....	12	176
Other pay patients.....	12	6	.....	2	4
Charity patients.....	71	6	.....	4	61
Total.....	298	13	.....	22	263
Grand total.....	1,748	510	1	187	1,050
Soldiers.....	204	204	.....	.....	.....
Chronics.....	34	.....	.....	.....	34
Corozal farm.....	61	.....	.....	8	53

TABLE XIII.—ANCON HOSPITAL—Continued.

REPORT OF DAYS LOST IN HOSPITAL.

	Total.	Amer- ican.	Foreign white.	Black.
Hospital:				
Panama Canal employees.....	7,803	1,283	978	5,542
Panama Railroad employees.....	1,730	215	123	1,392
Panama pay patients.....				
Other pay patients.....	4,356	2,653	632	1,071
Charity patients.....	1,504	271	68	1,165
Total.....	15,393	4,422	1,801	9,170
Asylum:				
Panama Canal employees.....	486	16	120	350
Panama Railroad employees.....	264			264
Panama pay patients.....	5,335		335	5,000
Other pay patients.....	262	149	20	93
Charity patients.....	2,026	153	120	1,753
Total.....	8,373	318	595	7,460
Grand total.....	23,766	4,740	2,396	16,630
Soldiers.....	2,036	2,036		
Chronics.....	865			865
Corozal farm.....	1,666		214	1,452

Cost of subsistence per patient per day, 26 cents.

WARD LABORATORY REPORT.

Blood examinations, total number.....	638
Estivo-autumnal.....	122
Tertian.....	32
Differential counts.....	48
Hemoglobin estimations.....	70
Leucocyte counts.....	75
Red blood counts.....	17
Stool examinations, total number.....	376
Ascaris lumbricoides.....	9
Balantidium coli.....	2
Ciliated monads.....	14
Guaiac tests.....	1
Pus and blood.....	42
Strongloides.....	15
Tricocephalus dispar.....	23
Uncinaria (ova).....	43
Urine examinations, total number.....	1,447
Albumen.....	331
Bile.....	3
Casts.....	245
Epithelia.....	128
Guaiac tests.....	4
Hemin crystals.....	5
Indicon.....	16
Pus and blood.....	328
Sugar (pos. 0, neg. 6).....	6
Sputum examinations, total number.....	80
Positive for tubercle bacilli.....	11
Smear examinations, total number.....	31
Urethral.....	8
Vaginal.....	3
Spinal fluid.....	2

REPORT OF SURGICAL OPERATIONS.

	Number.	Died.
Amputations:		
Leg.....	1	
Digits, multiple.....	2	
Operations on bones:		
Ostectomy.....	1	
Inter-medullary splint.....	1	
Laminectomy.....	1	1
Adenectomy:		
Cervical.....	1	
Inguinal, single.....	18	
Inguinal, double.....	5	
Femoral.....	1	
Herniotomy:		
Inguinal, single.....	4	
Inguinal, double.....	2	
Ventral.....	1	
Strangulated.....	1	
Genito-urinary tract:		
Urethrotomy, internal.....	3	
Prostatectomy.....	1	
Varicocele, radical cure.....	1	
Hydrocele, single, radical cure.....	1	
Orchidectomy.....	1	
Epididymotomy.....	7	
Curettagc uteri.....	4	
Obstetrical:		
Low forceps.....	4	
Perineorrhaphy.....	2	
Rectum:		
Hemorrhoids, radical cure.....	4	
General:		
Varicose veins, excision of.....	1	
Excision of surface neoplasms.....	1	
Plastic operation for congenital defect.....	1	
Skin graft.....	1	
Laparotomy:		
Enterectomy.....	1	
Exploratory.....	2	2
Appendectomy.....	9	1
Appendectomy with peritonitis.....	1	
Cholecystostomy.....	1	1
Abscess of liver, thoraco-hepatotomy for.....	1	
Supravaginal hysterectomy.....	1	
Hysteromyomectomy.....	2	
Salpingectomy, double.....	2	
Plastic operation for chronic pelvis peritonitis.....	2	
Stab wound of abdomen.....	1	
Major operations, various other.....	4	
Minor operations, various other.....	103	1
Mayo Bunion, bilateral.....	1	
Total.....	202	6

REPORT OF OPERATIONS, EYE AND EAR CLINIC.

	Number.	Died.
Adenoidectomy.....	14	.....
Expression for tracoma.....	2	.....
Pterygium.....	4	.....
Tonsillectomy.....	20	.....
Submucous resection.....	7	.....
Turbinectomy.....	1	.....
Nasal polypi.....	1	.....
Minor throat operations.....	4	.....
Minor eye operations.....	7	.....
Minor ear operations.....	4	.....
	64	.....

Total number of cases treated..... 702
 Refractions..... 230

OUT-PATIENT DEPARTMENT.

Clinic.	Total visits.	New cases.	Pay cases.	Prescriptions.
Medical.....	233	126	39	277
Surgical.....	272	199	33	83
Eye and ear.....	702	316	39	375
Total.....	1,207	641	111	735

REPORT OF BOARD OF HEALTH LABORATORY.

Bacteriological examination of—		Chemical analysis of—Continued.	
Blood cultures.....	11	Urine.....	21
Diphtheria cultures.....	16	Oleum Ricini.....	1
Urine cultures.....	71	Boric acid.....	1
Stool cultures.....	51	Stomach contents.....	5
Autopsies.....	6	Chloral.....	1
Autopsy material(veterinary)...	3	Pancreatic cyst.....	1
Pathological fluids, exudates, etc.....	15	Bran feed.....	1
Milk.....	1	Surgical tissues and neoplasms reported.....	14
Oysters.....	1	Autopsies performed (2 medico-legal).....	26
Water.....	2	Bodies embalmed.....	4
Wassermann reactions.....	177	Animals examined or under observation.....	10
Feces for uncinaria.....	2	Leper suspects examined.....	4
Autogenic vaccines prepared....	1	Pathological tissues prepared:	
Preparations of salvarsanized serum for intraspinous treatment.....	1	Paraffin.....	284
Chemical analysis of—		Frozen.....	8
Hospital dairy milk.....	1	Rats examined:	
Sample of milk (Briarcliff) received from commissary department.....	1	Mus musculus.....	304
Milk from private dairies supplying cities of Panama and Colon.....	2	Mus norvegicus.....	200
		Mus alexandrinus.....	37
		Mus rattus.....	156
		Examination of stomach contents..	2

REPORT OF OPERATIONS OF THE HOSPITAL FARM, COROZAL.

Expenditures:

Supervising.....	\$200.00
Labor.....	538.56
Subsistence of labor.....	327.73
Quartermaster team service.....	44.45
Electric lights.....	3.90
Ice.....	.90
Material and supplies.....	25.40
	<u>\$1,140.94</u>

Receipts:

Produce supplied local buyer, commissary department.....	251.55
95 dozen eggs, 29 dozen roses, 1,922 okras, 2,013 heads lettuce, 33 choyotes, 2,922 pounds papayas, 241 pounds peppers, 855 bunches radishes, 144 ears corn, 85 bunches bananas, 122 bunches spinach, 220 limes.	
Produce supplied Ancon Hospital.....	91.25
135 pounds peppers.....	\$5.40
5,395 okras.....	24.83
25 dozen eggs.....	15.00
371 pounds papayas.....	8.02
462 bunches radishes.....	17.00
42 guinea pigs.....	21.00
Produce sold to private parties.....	16.35
6½ dozen eggs.....	3.90
3 settings eggs.....	4.25
8½ pounds peppers.....	.50
8 caladiums.....	2.00
25 bunches bananas.....	5.25
45 plantains.....	.45
Pasturage.....	27.20
Burial.....	2.00
50 loads of grass.....	50.00
30 ferns, at 50 cents each.....	15.00
12 dozen roses, at 50 cents per dozen.....	6.00
	<u>459.35</u>

Net running expenses..... 681.59

Number of days' treatment furnished..... 1,666
 Net cost per patient per day..... \$0.40911

Work performed: Grading on road and cow barn; cleaning pasture; fencing hog lots; repairing pasture fence; cultivated vegetable garden and nursery.

STATEMENT OF COMMITMENTS, DEATHS, AND DISCHARGES, INSANE ASYLUM.

Commitments.

	Male.	Female.
From the Canal Zone, on first commitment.....	5	.....
From the Canal Zone, on fourth commitment.....	1	.....
From Panama Government, on first commitment.....	1	4
From Panama Government, on second commitment.....	1	1
Total.....	<u>8</u>	<u>5</u>

STATEMENT OF COMMITMENTS, DEATHS, AND DISCHARGES, INSANE ASYLUM—
Continued.

Discharges.

Nationality.	Well.		Improved.		Unimproved.	
	Male.	Female.	Male.	Female.	Male.	Female.
Barbados.....						¹ 1
British Guiana.....						¹ 1
Denmark.....	1					
England.....					¹ 1	
Grenada.....					² 1	
Jamaica.....	3					
Martinique.....		1				
Panama.....	1					1
Spain.....				1		
Trinidad.....						¹ 2
United States.....	1		1			
Total.....	6	1	1	1	2	5

¹ Deported.² Transferred.

Deaths.

Physical diagnoses.	Mental diagnosis.			
	Constitutional psychopathic inferiority.	Dementia praecox.	Infective exhaustive psychosis.	Psychoses accompanying brain or nervous diseases (cerebral syphilis).
Ill-defined cause.....	¹ 1			
Beriberi.....			² 1	
Pellagra.....			¹ 1	
Disseminated tuberculosis.....		² 1		
Gangrene of the lungs.....				² 1

¹ Male.² Female.

TABLE XIV.—COLON HOSPITAL.

NATIONALITY OF PATIENTS.

Class.	American white.	Foreign white.	Black.	Total.
Panama Canal employees.....	11	2	47	60
Panama Railroad employees.....	4	1	25	30
Panama pay patients.....	2		8	10
Other pay patients.....	23	10	10	43
Charity cases.....	10	2	12	24
Total.....	50	15	102	167

Cost of subsistence per patient per day, 34 cents.

LABORATORY REPORT.

Blood examinations.....	74
Estivo autumnal.....	10
Tertian.....	5
White blood counts.....	3
Differential counts.....	1
Stool examinations (negative for amoeba).....	7
Urine examinations.....	108
Albumin.....	38
Casts.....	16
Blood and pus.....	23
Sputum examinations.....	8
Positive for tubercle bacilli.....	1

SURGICAL OPERATIONS.

	Number.	Died.
Amputations:		
Hip joint.....	1	1
Digits.....	2	
Operations on bones:		
Resection of shoulder.....	1	
Wiring of fractures, compound.....	1	
Bone plate.....	1	
Herniotomy:		
Inguinal, single.....	1	
Strangulated.....	1	
Genito-urinary tract:		
Perinephritis abscess, drainage of.....	1	
Curettagc uteri.....	1	
Laparotomy:		
For general peritonitis.....	1	1
Appendectomy.....	1	
Salpingo-oophorectomy.....	1	1
General peritonitis.....	2	1
Minor operations, various.....	17	

TABLE XV.—PALO SECO LEPER ASYLUM.

NATIONALITY OF PATIENTS.

Class.	Number treated.		Americans.		Other nations.	
	White.	Black.	White.	Black.	White.	Black.
Panama Canal employees.....						
Panama Railroad employees.....						
Pay cases.....	2	30			2	30
Charity cases.....	2	16			2	16
Total.....	4	46			4	46

Cost of subsistence per patient per day, 35 cents.

TABLE XVI.—SANTO TOMAS HOSPITAL.

Class.	Remain- ing Nov. 1.	Admit- ted.	Dis- charged.	Died.	Remain- ing Nov. 30.
Pay cases.....	43	110	100	2	51
Charity cases.....	431	932	864	79	420
Total.....	474	1,042	964	81	471

Average number of patients constantly sick.....	460
Total number of days' treatment.....	13,815
Average number of days' treatment per patient.....	9
Cost of subsistence per patient per day.....	\$0.26

NATIONALITY.

Class.	Number treated.	Americans.		Other nations.	
		White.	Colored.	White.	Colored.
Pay cases.....	153	6	.....	60	87
Charity cases.....	1,363	17	.....	137	1,209
Total.....	1,516	23	.....	197	1,296

DISPENSARY REPORT.

Class.	White.	Colored.	Total.
Natives.....	3	362	365
Foreigners.....	26	282	308
Total.....	29	644	673

DISEASES TREATED.

Typhoid fever.....	1	Cancer and other malignant tumors of the stomach and liver.	1
Malarial fever.....	178	Cancer and other malignant tumors of the female genital organs.....	1
Scarlet fever.....	1	Cancer and other malignant tumors of the breast.....	1
Whooping cough.....	1	Cancer and other malignant tumors of the skin.....	2
Diphtheria and croup.....	4	Acute articular rheumatism.....	20
Influenza.....	20	Leuchemia.....	1
Dysentery.....	12	Anemia, choloris.....	2
Leprosy.....	1	Other general diseases.....	1
Erysipelas.....	2	Alcoholism (acute or chronic)....	15
Other epidemic diseases.....	4	Simple meningitis.....	1
Purulent infection and septi- cemia.....	10	Locomotor ataxia.....	1
Pellagra.....	11	Paralysis without specified cause.	1
Beriberi.....	9	Other forms of mental alienation..	2
Tuberculosis of the lungs.....	22	Epilepsy.....	2
Pott's disease.....	1		
Syphilis.....	26		
Gonococcus infection.....	31		
Soft chancre.....	18		

Neuralgia and neuritis.....	2	Other diseases of the uterus.....	4
Other diseases of the nervous system.....	3	Cysts and other tumors of the ovary.....	1
Diseases of the eyes and their annexa.....	4	Salpingitis and other diseases of the female genital organs.....	9
Acute endocarditis.....	6	Nonpuerperal diseases of the breast (cancer excepted).....	1
Organic diseases of the heart.....	14	Normal labor.....	107
Diseases of the arteries, atheroma, aneurysm, etc.....	7	Accidents of pregnancy.....	23
Diseases of the veins (varices, hemorrhoids, phlebitis, etc.).....	4	Puerperal hemorrhage.....	1
Diseases of the lymphatic system (lymphangitis, etc.).....	13	Other accidents of labor.....	1
Hemorrhage; other diseases of the circulatory system.....	1	Puerperal septicemia.....	1
Chronic bronchitis.....	12	Puerperal albuminuria and convulsions.....	2
Pneumonia (unqualified).....	6	Furuncle.....	2
Pleurisy.....	5	Acute abscess.....	5
Asthma.....	4	Scabies.....	1
Diseases of the mouth and annexa.....	2	Other diseases of the skin and annexa.....	32
Diseases of the pharynx.....	2	Diseases of the bones (tuberculosis excepted).....	6
Diseases of the stomach (cancer excepted).....	1	Diseases of the joints (tuberculosis and rheumatism excepted).....	2
Diarrhea and enteritis.....	19	Other diseases of the organs of locomotion.....	4
Ankylostomiasis.....	17	Congenital malformations (stillbirths not included).....	2
Appendicitis and typhilitis.....	4	Newborn child.....	92
Hernia, intestinal obstructions....	9	Senility.....	1
Other diseases of the intestines....	44	Other acute poisonings.....	3
Cirrhosis of the liver.....	2	Burns (conflagration excepted)...	1
Simple peritonitis (nonpuerperal)	1	Traumatism by firearms.....	6
Other diseases of the digestive system (cancer and tuberculosis excepted).....	1	Traumatism by cutting or piercing instruments.....	5
Acute nephritis.....	18	Traumatism by other crushings (vehicles, railroads, landslides, etc.).....	1
Bright's disease (chronic nephritis).....	1	Starvation.....	1
Diseases of the bladder.....	2	Homicide by firearms.....	1
Diseases of the urethra (urinary abscess, etc.).....	6	Fractures (cause not specified)....	10
Nonvenereal diseases of the male genital organs.....	9	No disease.....	80
Other diseases of the uterus.....	7		
Ureine tumor (noncancerous).....	2	Total.....	1,037
Metritis.....	1		

SURGICAL OPERATIONS.

	Number.	Died.
Leg amputations.....	1	.....
Ostectomy.....	1	.....
Resection of wrist.....	1	.....
Adenectomy, inguinal, single.....	6	.....
Adenectomy, inguinal, double.....	1	.....
Herniotomy, inguinal, single.....	5	.....
Herniotomy, inguinal, double.....	1	.....
Herniotomy, strangulated.....	1	.....
Nephropexy.....	1	.....
Urethrotomy, internal.....	5	.....
Urethrotomy, external.....	1	.....
Varicocele, radical cure.....	1	.....
Hydrocele, single, radical cure.....	4	.....
Orchidectomy.....	4	.....
Epididymotomy.....	1	.....
Amputation of penis.....	1	.....
Curetage uteri.....	5	.....
Perineorrhaphy.....	1	.....
Thoracotomy.....	1	.....
Stab wound of chest, operation for.....	1	1
Hemorrhoids, radical cure.....	2	.....

SURGICAL OPERATIONS—Continued.

	Number.	Died.
Plastic operation for congenital defect.....	1	.....
Plastic operations for effects of disease.....	12	.....
Laparotomy, exploratory.....	3	1
Appendectomy.....	6	.....
Abscess of liver, laparo-hepatotomy for.....	1	.....
Pan-hysterectomy.....	7	.....
Supravaginal hysterectomy.....	3	.....
Hysteromyomectomy.....	1	.....
Salpingo-oophorectomy.....	6	.....
Supensio-uteri.....	3	.....
Major operations (various other).....	6	.....
Minor operations, various.....	18	.....
Total.....	112	2

TABLE XVII.—SANITATION.

The following is a summary of sanitary work performed and material expended during the month of November, 1914, in the Canal Zone:

Work requests on supply department:

Grass cutting.....	9
Screening.....	8
Miscellaneous.....	4
Work requests on engineering department.....	1
Notices served to abate nuisances.....	7
Arrests.....	2
Convictions.....	2
Inspections of closets.....	1,817
Inspections of restaurants.....	4
Inspections of stores.....	38
Inspections of shops.....	59
Garbage cans emptied.....	78,375
Closets disinfected.....	2,999
Rat traps used daily.....	2,081
Adult Anopheles destroyed in houses.....	12,053
Adult Culices destroyed in houses.....	13,635
Larvacide used.....gallons.....	355
Crude oil used.....do.....	8,086
Rats destroyed.....	525

SUMMARY OF ROUTINE WORK DONE BY THE HEALTH OFFICE, PANAMA.

Mosquito, rat, and fly work:

Linear feet of ditches cleaned and maintained.....	19,563
Linear feet of new ditches dug.....	19,218
Cubic yards earth used in filling.....	.....
Gallons of larvacide used.....	555
Gallons crude oil used.....	405
Square yards pools oiled.....	79,800
Water containers treated.....	34,010
Mosquito-breeding places found.....	635
Fly-breeding places found.....	318
Rats caught.....	562
Flies trapped (13,000 per quart).....quarts.....	176
Garbage collections:	
Loads garbage removed to dump.....	4,786
Cans garbage emptied.....	107,632
Buildings:	
Buildings inspected.....	4,167
Plans for new buildings approved.....	36
Permits granted for repairs to old buildings.....	61
Permits granted.....	97
Buildings condemned.....	62
Buildings demolished.....	16

Street cleaning:	
Average number of square yards cleaned daily.....	600,000
Average number of square yards streets sprinkled daily.....	90,000
Private properties cleaned during month.....	12
Notices served and nuisances abated.....	97
Vaccinations:	
Vaccinations during month.....	1,810
Vaccinations since Apr. 1, 1914.....	12,733

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

Sanitation, general, Colon:	
Square yards streets cleaned.....	3,595,896
Cubic feet disinfected.....	443,214
Square yards alleys maintained.....	620,885
Private properties cleaned.....	89
Doses quinine issued.....	7,114
Rats killed.....	187
Loads of yard garbage.....	389
Cans garbage (2,059 cubic yards).....	65,060
Linear yards ditches maintained.....	1,886
Square yards vegetation removed.....	8,530
Parkway and E Street maintained.....	
Square yards oiled.....	21,900
Buildings inspected.....	2,800
Receptacles treated.....	20,500
Mosquito-breeding places destroyed.....	118
Fly-breeding places destroyed.....	47
Gallons larvacide used.....	101
Gallons crude oil used.....	444
Dogs killed.....	2
Building—Colon:	
Plans approved.....	3
Permits to occupy issued.....	2
Permits to repair issued.....	52
Temporary permits to occupy issued.....	
Bills collected for work for private parties.....	65
Sewers, Colon:	
New connections made during month.....	2
Connections made to date.....	1,165
Houses in which extensions were made.....	3
Outstanding permits.....	37
Sanitation, Cristobal:	
Loads of yard garbage.....	98
Cans garbage (532 cubic yards).....	12,702
Square yards vegetation removed.....	84,361
Colon Hospital.....	33,200
Quarantine station.....	30,000
Panama Railroad.....	26,860
Square yards oiled.....	90,060
Receptacles treated.....	7,700
Mosquito-breeding places destroyed.....	4,300
Fly-breeding places destroyed.....	34
Gallons larvacide used.....	4
Gallons crude oil used.....	23
Buildings inspected.....	194
	240
Sanitation, Mount Hope:	
Cans garbage (167 cubic yards).....	3,012
Square yards vegetation removed.....	296,487
Square yards oiled.....	103,400
Receptacles treated.....	11,890
Mosquito-breeding places destroyed.....	48
Mosquitoes caught in barracks (Anopheles).....	114
Mosquitoes caught in barracks (Culex).....	5,305
Mosquitoes caught in cars (Anopheles).....	87
Mosquitoes caught in cars (Culex).....	272
Mount Hope Cemetery maintained—	
Linear yards ditches maintained.....	11,273
Gallons larvacide used.....	43
Gallons crude oil used.....	2,120
Burials made.....	49

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

Vessels inspected and passed.....	165	
Vessels held in quarantine.....	9	
Total vessels entered.....		174
Vessels fumigated on arrival.....	8	
Vessels fumigated on departure.....	0	
Total vessels fumigated.....		8
Crew examined.....	9,487	
Passengers examined (including 990 United States troops).....	4,058	
Total persons examined.....		13,545
Persons vaccinated at ports of arrival because of compulsory vaccination law.....	660	
Persons vaccinated at ports of departure or en route because of compulsory vaccination law.....	1,319	
Total persons vaccinated.....		1,979
Persons held in quarantine at the detention houses to complete period of incubation of yellow fever and plague.....	176	
Persons held in quarantine on board vessels to complete period of incubation of yellow fever and plague.....	907	
Total persons held under observation.....		1,083
Persons landed from foreign ports:		
Cabin.....	1,624	
Steerage.....	1,367	
		2,991
Persons embarked for foreign ports:		
Cabin.....	1,546	
Steerage.....	1,982	
		3,528
Persons arriving from coast towns on small launches and sailing craft..	1,536	
Persons sailing for coast towns on small launches and sailing craft.....	1,479	
Apparent increase for month from coast towns.....		57
Apparent decrease for month from foreign ports:		
Cabin (increase).....	78	
Steerage (decrease).....	615	
		537
Immigrants recommended for deportation.....		28
Bills of health issued or viséed.....		141
Total number of persons landed.....	4,527	
Less number for Pacific ports.....	279	
		4,248
Total number of persons sailing.....		5,007
Total apparent decrease for month.....		759

IMMIGRATION REPORT FOR COLON.

From—	Cabin.	Steerage.
Europe.....	36	45
United States.....	782	768
Jamaica and West Indies.....	129	260
Venezuela.....	2	4
Colombia.....	63	70
Cuba.....	22	22
Guatemala.....		1
Costa Rica.....	62	26
Bocas del Toro.....	37	182
Coast towns.....		212
	1,133	1,590
Men.....		1,850
Women.....		455
Children.....		206
Unclassified.....		212
Total.....		2,723

QUARANTINE—BOCAS DEL TORO.

Vessels inspected and passed.....	19
Crew inspected and passed.....	982
Passengers inspected and passed.....	282
Passengers, in transit, inspected and passed.....	282

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

TABLE XIX.—STATEMENT OF QUININE ISSUED.

	Kilos.
Quinine sulphate.....	15.00
Quinine sulphate tablets.....	7.50
Total.....	22.50

Pounds avoirdupois, \$49.60.

TABLE XX.—PERSONNEL REPORT.

	November, 1914.			October, 1914, total.	Novem- ber, 1913, total.
	Officers and em- ployees.	Skilled and un- skilled labor.	Total.		
Chief health office.....	3	.....	3	3	28
Medical storehouse.....	4	4	8	8	9
Quarantine division.....	23	18	41	40	41
Health office, Panama.....	21	123	144	138	151
Health office, Colon.....	18	106	124	148	129
Ancon Hospital.....	236	113	349	357	544
Colon Hospital.....	23	11	34	34	38
Santo Tomas Hospital.....	5	.....	5	5	6
Taboga Sanitarium.....	.....	.....	.....	.....	18
Palo Seco Leper Asylum.....	12	12	24	24	13
Zone sanitation.....	20	102	122	112	169
Hospital farm.....	1	40	41	56	21
Dispensaries:					
Ancon.....	.....	.....	.....	.....	5
Balboa.....	6	.....	6	5	6
Bas Obispo.....	.....	.....	.....	.....	4
Corozal.....	5	.....	5	4	6
Cristobal.....	.....	.....	.....	.....	6
Culebra.....	3	.....	3	3	6
Empire.....	.....	.....	.....	.....	6
Gamboa.....	1	.....	1	1	.....
Gatun.....	4	.....	4	5	7
Las Cascadas.....	.....	.....	.....	.....	3
Margarita Point.....	1	.....	1	1	1
Naos Island.....	1	.....	1	2	2
Paraiso.....	5	.....	5	3	4
Pedro Miguel.....	3	.....	3	3	4
Porto Bello.....	.....	.....	.....	.....	3
Toro Point.....	.....	.....	.....	.....	3
Total.....	395	529	924	952	1,233

UNIVERSITY OF FLORIDA



3 1262 08520 1050