

PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General, Public Health and Marine-Hospital Service.]

PLAGUE BACILLI IN ECTO-PARASITES OF SQUIRRELS.

By Passed Asst. Surg. GEORGE W. MCCOY, U. S. Public Health and Marine-Hospital Service.

During the course of experiments in the infection of the California ground squirrel (*Citellus beecheyi*) with *Bacillus pestis*, a squirrel died of acute plague on the sixth day after inoculation. When the dead animal was removed from the disinfecting solution (1 per cent trikresol) a flea was found which had presumably escaped the preliminary combing at the time of inoculation. The flea was identified by my assistant, A. M. B. Mitzmain, and myself as a female *Ceratophyllus acutus*, the common squirrel flea of this vicinity. The flea, which was able to make a few spasmodic movements in spite of its immersion in the trikresol solution, was crushed between 2 glass microscopical slides. The film on one of the slides was fixed and stained, and an enormous number of organisms were found which were indistinguishable in size and shape from *Bacillus pestis*. The remains of the crushed flea were gently removed from the second slide with a small pledget of absorbent cotton moistened with physiological solution of sodium chloride. The cotton carrying the fragments of the flea was placed in a small pocket under the skin of the belly of a guinea pig. This guinea pig died 8 days later, and showed upon post-mortem examination the usual characteristic lesions of plague—a marked reaction at the site of inoculation, a caseous bubo, and a large granular spleen. *Bacillus pestis* was recovered in pure culture from the liver of the guinea pig.

The procedure outlined above was used in demonstrating plague bacilli in a flea found on another infected squirrel and in fæces of the flea passed during the 72 hours succeeding its removal from the host.

The small lice (provisionally identified as *Hæmatopinus montanus*, Osborn^a) very commonly found on ground squirrels have been taken from plague-infected squirrels and treated in the same manner as the fleas, and in these also the existence of virulent plague bacilli has been proved.

There are many reasons for believing that plague is transmitted from squirrel to squirrel by fleas, but this is the first opportunity we have had of demonstrating the specific organism of the disease in external parasites of these rodents. The general subject of squirrel plague has been discussed by Wherry (*Journal of Infectious Diseases*, Vol. V, No. 5).

^a Bulletin No. 5, Division of Entomology, Dept. of Agric., Washington, D. C., 1896.

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Point Richmond, and in Alameda and Contra Costa counties, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Date of last case of human plague: Sickened, January 30, 1908.
 Date of last case of rodent plague: October 23, 1908.

Week ended April 3, 1909.

Sick inspected.....	4
Plague.....	0
Dead inspected.....	112
Plague.....	0
Premises inspected.....	2, 197
Houses disinfected.....	16
Nuisances abated.....	247
	<hr/>
Rats found dead.....	48
Rats trapped.....	2, 443
	<hr/>
Total rats taken.....	2, 491
	<hr/>
Rats identified:	
Mus norvegicus.....	1, 739
Mus rattus.....	59
Mus musculus.....	649
Mus alexandrinus.....	15
	<hr/>
Total.....	2, 462
	<hr/>
Rats identified as to sex:	
Male.....	853
Female.....	934
	<hr/>
Total.....	1,787
	<hr/>
Rats examined bacteriologically.....	1, 573
Plague rats.....	0
Ground squirrels trapped.....	5
Ground squirrels examined bacteriologically.....	5
Plague squirrels.....	0
Gophers trapped.....	2
Gophers examined bacteriologically.....	2
Plague gophers.....	0
Buildings condemned.....	10
Poisons placed.....	22, 336

OAKLAND, CAL.

Date of last case of human plague: Sickened, July 17, 1908.
 Date of last case of rodent plague: Trapped, December 1, 1908.

Week ended March 27, 1909.

Dead inspected.....	39
Plague.....	0
Premises inspected.....	1, 098
Necropsies held.....	2
Premises cleaned.....	220
Garbage cans installed.....	196
Place made rat-proof.....	1
Nuisances abated.....	177

Rats found dead.....	22
Rats trapped.....	601
Total rats taken.....	623
Rats identified.....	669
Mus norvegicus.....	611
Mus rattus.....	4
Mus musculus.....	46
Mus alexandrinus.....	8
Rats examined bacteriologically.....	609
Plague rats.....	0
Mice examined bacteriologically.....	46
Plague mice.....	0
Poisons placed.....	22, 115

POINT RICHMOND, CAL.

Week ended March 27.

Sick inspected.....	2
Plague.....	0
Dead inspected.....	2
Plague.....	0
Premises inspected.....	490
Nuisances abated.....	31
Rats found dead.....	14
Rats trapped.....	26
Rats examined bacteriologically.....	26
Plague rats.....	0
Poisons placed.....	7, 000

ALAMEDA COUNTY, CAL.

Week ended March 27.

Sick inspected.....	6
Plague.....	0
Dead inspected.....	62
Plague.....	0
Necropsies held.....	2

CONTRA COSTA COUNTY, CAL.

Week ended March 27.

Dead inspected.....	4
Plague.....	0
Ranches inspected.....	76
Ranches found free of ground squirrels.....	14
Ranches poisoning ground squirrels.....	16

Report from Los Angeles, Cal.—Examination of animals for plague infection.

Passed Assistant Surgeon Stimson, plague laboratory, reports, March 31:

Animals examined in laboratory in this city from March 22 to 28, inclusive.

Ground squirrels.....	37
Gray rats.....	493
Black rats.....	24
White rats.....	3
Gopher.....	1
Wild rat.....	1

None of these animals was found to be infected with plague.

Report from Seattle, Wash.—Plague-prevention work.

Passed Assistant Surgeon Glover reports, March 29:

Date of finding of last plague rat, September 26, 1908.

Week ended March 27, 1909.

Plague-infected rats to date.....	21
Rats received.....	730
Rats necropsied.....	710
Plague rats found.....	0

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES—UNTABULATED.

FLORIDA.—Report from the state board of health of communicable diseases for the week ended April 3, 1909, shows as follows: Diphtheria: Jacksonville 2, Pensacola 1, Tampa 2. Malaria: Jacksonville 8, Tampa 9, Lake Butler and Tallahassee, each 1 case. Tuberculosis: Istachatta and St. Petersburg, 1 each, Jacksonville 3 cases.

Pensacola.—Month of March, 1909. Estimated population, 30,000. Total number of deaths, 47, including 6 from tuberculosis.

IOWA—*Cedar Rapids.*—Month of March, 1909. Estimated population, 35,000. Total number of deaths 37, including 3 from tuberculosis. Cases: Scarlet fever 10, smallpox 13, diphtheria 1, and measles 1.

KENTUCKY—*Henderson.*—Month of March, 1909. Estimated population, 17,900. Total number of deaths, 17, including 2 from tuberculosis. Cases: Enteric fever 4, scarlet fever 8, diphtheria 1, and tuberculosis 3.

Louisville.—Month of March, 1909. Estimated population, 206,416. Total number of deaths 390, including enteric fever 11, scarlet fever 6, diphtheria 2, and 56 from tuberculosis.

MARYLAND—*Hagerstown.*—Month of March, 1909. Estimated population, 30,000. Total number of deaths 70, including enteric fever 2, measles 2, and 3 from tuberculosis. Cases: Enteric fever 4, scarlet fever 2, diphtheria 5, measles 200, and tuberculosis 10.

MASSACHUSETTS—*Newton.*—Annual report for the year 1908. Estimated population, 38,919. Total number of deaths 427, including diphtheria 6, scarlet fever 1, enteric fever 2, whooping cough 4, and 36 from tuberculosis. Cases: Scarlet fever 103, diphtheria 192, enteric fever 33, measles 489, and tuberculosis 70.

Month of March, 1909. Total number of deaths, 51, including diphtheria 1, scarlet fever 1, enteric fever 1, and 1 from tuberculosis. Cases: Scarlet fever 13, diphtheria 16, measles 35, and pulmonary tuberculosis 1.

NEW HAMPSHIRE—*Franklin.*—Month of March, 1909. Estimated population, 7,200. Total number of deaths, 9, including 1 from

diphtheria. Cases: Diphtheria 4, enteric fever 1, measles 54, and tuberculosis 1.

NEW YORK—Rome.—Month of March, 1909. Estimated population, 18,500. Total number of deaths not reported. Deaths from contagious diseases include 4 from tuberculosis. Cases: Scarlet fever 23, diphtheria 9, enteric fever 1, whooping cough 1, and tuberculosis 3.

NORTH CAROLINA—Charlotte.—Month of March, 1909. Estimated population, 40,000. Total number of deaths, 47, including enteric fever 1, and 4 from tuberculosis. Cases of contagious diseases reported: Scarlet fever 3, measles 34, and whooping cough 2.

OHIO—Toledo.—Month of February, 1909. Estimated population, 195,888. Total number of deaths, 155, including diphtheria 1, enteric fever 5, scarlet fever 2, and 15 from tuberculosis. Cases of contagious diseases reported: Diphtheria 21, measles 5, scarlet fever 17, and enteric fever 33.

OREGON—Portland.—Month of February, 1909. Estimated population, 250,000. Total number of deaths, 125, including enteric fever 6, diphtheria 1, and 16 from tuberculosis. Cases: Diphtheria 19, enteric fever 12, measles 83, smallpox 15, and scarlet fever 24.

PENNSYLVANIA—South Bethlehem.—Month of March, 1909. Estimated population, 13,421. Total number of deaths, 36, including enteric fever 2, whooping cough 2, and 2 from tuberculosis. Cases: Enteric fever 7, scarlet fever 5, measles 24, diphtheria 3, whooping cough 2, and tuberculosis 8.

VIRGINIA—Newport News.—Month of March, 1909. Estimated population, 28,749. Total number of deaths, 30, including measles 1, and 2 from tuberculosis. Cases: Diphtheria 5.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to April 16, 1909.

For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Mobile.....	Jan. 12-Feb. 6.....	7		Year 1908.
Montgomery.....	Mar. 13-Apr. 2.....		2	
Tuscaloosa County.....	Feb. 6-Dec. 31.....	86		
Total for State.....		93	2	
Arkansas:				
Allbrook.....	Jan. 1-Mar. 25.....	40		
Bethel.....	Jan. 25.....	3		
Jonesboro.....	Jan. 20-Mar. 1.....	20		
Little Rock.....	Dec. 15-Jan. 2.....	23		
Magnolia.....	Jan. 5-13.....	25		
Paragould.....	Feb. 1-Mar. 9.....	27		
Texarkana.....	Nov. 26-Jan. 11.....	10		
Total for State.....		148		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
California, general.....	Nov. 1-Feb. 28.....		4	
Los Angeles.....	Dec. 6-Apr. 3.....	19	1	
Oakland.....	Nov. 1-Mar. 21.....	14		
Sacramento.....	Nov. 1-Mar. 27.....	54		
San Francisco.....	Dec. 13-Mar. 27.....	30		
Stockton.....	Nov. 1-30.....	12		
Total for State.....		129	5	
Colorado, general.....	July 1-Feb. 23.....	109		
District of Columbia:				
Washington.....	Dec. 28-Apr. 3.....	9		
Total for District.....		9		
Georgia:				
Bibb County—				
Macon.....	Mar. 14-Apr. 4.....	3		
Cobb County.....	Jan. 16-Feb. 7.....	8		
Paulding County.....	Jan. 16-Feb. 7.....	15		
Total for State.....		26		
Illinois:				
Alexander County—				
Cairo.....	Jan. 7-Feb. 27.....	211		
Thebes.....	Jan. 1-31.....	2		
Bureau County—				
Ladd.....	Nov. 1-30.....	4		
Christian County—				
Taylorville.....	Aug. 1-Jan. 20.....	40		
Clinton County—				
Cariyle.....	Jan. 1-31.....	1		
Coles County—				
Charleston.....	Jan. 1-30.....	1		
Cook County—				
Chicago.....	Jan. 3-Apr. 3.....	10		
Franklin County—				
West Frankfort.....	Dec. 12-Feb. 13.....	15		
Fulton County—				
Canton.....	Jan. 1-31.....	38		
Cuba.....	Jan. 1-31.....	1		
Lewiston.....	Jan. 1-31.....	6		
Jackson County—				
Murphysboro.....	Jan. 1-31.....	45	1	Present in Smallwood and South Muddy townships.
Jasper County.....	Jan. 1-31.....			
Newton.....	Jan. 1-31.....	1		
Jo Daviess County—				
Galena.....	Jan. 1-31.....	3		
Kane County—				
St. Charles.....	Jan. 1-31.....	1		
Kankakee County—				
Grant Park.....	Jan. 1-31.....	1		
Knox County—				
Galesburg.....	Feb. 14-Mar. 10.....	4		
Lake County—				
Waukegan.....	Feb. 2-26.....	3		
McLean County—				
Bloomington.....	Jan. 1-31.....	5		
Macon County—				
Decatur.....	Jan. 1-31.....	8		
Macoupin County—				
Bend.....	Feb. 15-18.....	2		
Palmyra.....	Dec. 25-Jan. 20.....	4		
Scottsville.....	Dec. 25-Jan. 20.....	12		
Madison County—				
Alton.....	Mar. 1-31.....	1		
Marion County—				
Centralia.....	July 1-Jan. 20.....	53		
Odin.....	Jan. 1-31.....	1		
Sandoval.....	Jan. 1-31.....	1		
Mason County.....	Jan. 1-31.....			Present in Havana and Quiver townships.
Massac County—				
Metropolis.....	Jan. 1-31.....	1		
Mercer County.....	Jan. 1-31.....	1		Present in North Henderson township.
Montgomery County.....	Jan. 1-31.....	8		Present in Farmersville and in Bois d'Arc and Pitman townships.
Morgan County—				
Jacksonville.....	Feb. 5-11.....	1		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Peoria County— Peoria.....	Dec. 20-Apr. 3.....	43		Present in Glasford and in Timber and Trivoli townships.
Pulaski County.....	Jan. 1-31.....			Present in Pulaski.
Mounds.....	Jan. 1-31.....	3		
Mounds City.....	Jan. 1-31.....	7		
Randolph County— Percy.....	Jan. 1-31.....	1		
St. Clair County— Belleville.....	Dec. 4-20.....	3		Present in January.
Mascoutah.....	Jan. 1-31.....	1		
Millstadt.....	Jan. 1-31.....	1		
Saline County— Eldorado.....	Jan. 1-31.....	1		
Sangamon County— Pawnee.....	Jan. 1-31.....	2		
Springfield.....	Mar. 20-26.....	3		
Schuyler County— Browning.....	Oct. 12-Jan. 20.....	75		Present in Elm Grove township.
Tazewell County.....	Jan. 1-31.....			
Pekin.....	Jan. 1-31.....	28		
Vermilion County— Danville.....	Jan. 11-Apr. 4.....	26		
Williamson County— Carterville.....	Jan. 1-31.....	2		
Johnston City.....	Jan. 1-31.....	1		
Marion.....	Jan. 1-31.....	6		
Total for State.....		688	1	
Indiana:				
Allen County.....	Dec. 1-31.....	1		
Fort Wayne.....	Jan. 10-Feb. 6.....	4		
Bartholomew County.....	Dec. 1-31.....	1		
Benton County.....	Nov. 1-Dec. 31.....	4		
Boone County.....	Nov. 1-Dec. 31.....	2		
Carroll County.....	Oct. 1-31.....	26		
Clay County.....	Oct. 1-31.....	8		
Dearborn County.....	Oct. 1-31.....	1		
Delaware County.....	Dec. 1-31.....	52		
Muncie.....	Mar. 27.....	1		
Elkhart County.....	Oct. 1-Nov. 30.....	7		
Elkhart.....	Jan. 17-Mar. 6.....	8		
Franklin County.....	Dec. 1-31.....	1		
Gibson County.....	Dec. 1-31.....	1		
Grant County.....	Dec. 1-31.....	2		
Union.....	Feb. 6.....	5		
Hamilton County.....	Dec. 1-31.....	1		
Harrison County.....	Dec. 1-31.....	1		
Hendricks County.....	Nov. 1-Dec. 31.....	5		
Madison County.....	Oct. 1-31.....	1		
Anderson.....	Dec. 1-31.....	1		
Marion County.....	Dec. 1-31.....	1		
Indianapolis.....	Jan. 18-Feb. 28.....	5		
Miami County.....	Dec. 1-31.....	1		
Rush County.....	Dec. 1-31.....	24		
Shelby County.....	Dec. 1-31.....	1		
Spencer County.....	Dec. 1-31.....	1		
St. Joseph County.....	Dec. 1-31.....	12		
South Bend.....	Mar. 23-Apr. 3.....	2		
Sullivan County.....	Oct. 1-31.....	2		
Tippecanoe County.....	Oct. 1-Dec. 31.....	77		
Lafayette.....	Dec. 15-Mar. 29.....	61	1	
Tipton County.....	Nov. 1-Dec. 31.....	2		
Vanderburg County— Evansville.....	Jan. 10-Feb. 20.....	10		
Vigo County.....	Oct. 1-Dec. 31.....	7		
Wabash County.....	Nov. 1-Dec. 31.....	4		
Warren County.....	Dec. 1-31.....	7		
Wayne County.....	Nov. 1-30.....	8		
Total for State.....		358	1	
Iowa, general.				
Burlington.....	July 1-Sept. 30.....		2	
Cedar Rapids.....	Jan. 1-31.....	1		
Council Bluffs.....	Mar. 1-31.....	13		
Dubuque.....	July 1-Feb. 28.....	32	2	
Dubuque.....	Oct. 1-Jan. 31.....	87	1	
Total for State.....		133	5	

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas:				
Allen County.....	Jan. 1-31.....	6		
Atchison County—				
Atchison.....	Dec. 20-Jan. 16.....	2		
Barton County.....	Nov. 1-30.....	7		
Bourbon County.....	Nov. 1-30.....	1		
Brown County.....	Nov. 1-Jan. 31.....	50		
Cherokee County.....	Jan. 1-31.....	22		
Crawford County.....	Jan. 1-31.....	7		
Pittsburg.....	Nov. 1-Dec. 31.....	107		
Decatur County.....	Jan. 1-31.....	1		
Ford County.....	Jan. 1-31.....	2		
Franklin County.....	Dec. 1-31.....	1		
Harvey County.....	Nov. 1-Dec. 31.....	4		
Jackson County.....	Nov. 1-Dec. 31.....	95		
Jefferson County.....	Dec. 1-Jan. 31.....	15		
Jewell County.....	Dec. 1-31.....	2		
Labetta County—				
Parsons.....	Jan. 1-31.....	3		
Bane County.....	Jan. 1-31.....	4		
McPherson County.....	Jan. 1-31.....	1		
Marshall County.....	Jan. 1-31.....	1		
Montgomery County.....	Nov. 1-Jan. 31.....	19		
Nemaha County.....	Dec. 1-31.....	2		
Phillips County.....	Dec. 1-Jan. 31.....	5		
Pottawatomie County.....	Nov. 1-Dec. 31.....	36		
Pratt County.....	Dec. 1-31.....	20		
Reno County.....	Nov. 1-Jan. 31.....	4	1	
Riley County.....	Nov. 1-30.....	2		
Rooks County.....	Jan. 1-31.....	3		
Saline County.....	Nov. 1-Jan. 31.....	48		
Sedgwick County—				
Wichita.....	Mar. 7-Apr. 3.....	8		
Shawnee County.....	Nov. 1-Jan. 31.....	27		
Topeka.....	June 7-Apr. 3.....	128		
Sheridan County.....	Dec. 1-Jan. 31.....	11		
Stafford County.....	Dec. 1-31.....	1		
Sumner County.....	Nov. 1-Dec. 31.....	8		
Thomas County.....	Jan. 1-31.....	2		
Wallace County.....	Jan. 1-31.....	2		
Waubaussee County.....	Jan. 1-31.....	3		
Wilson County.....	Nov. 1-30.....	5		
Wyandotte County—				
Kansas City.....	Jan. 3-Apr. 10.....	37		
Total for State.....		702	1	
Kentucky:				
Anderson County.....	Oct. 1-Jan. 20.....	200	1	Including Lawrenceburg.
Berea.....	Feb. 1-Apr. 2.....	20		
Covington.....	Dec. 29-Apr. 10.....	33		
Fulton.....	Feb. 1-Mar. 22.....	27		
Georgetown.....	Dec. 2-Mar. 4.....	31		
Henderson.....		7		Jan. 1-June 30, 1908.
Lexington.....	Dec. 28-Mar. 27.....	41		
Newport.....	July 1-Mar. 20.....	54	1	Jan. 1-June 30, 1908, 16 cases, death.
Padueah.....	Jan. 24-Mar. 27.....	43		
Total for State.....		456	2	
Louisiana:				
Alexandria.....	Feb. 1-28.....	9		
Arcadia Parish.....	Dec. 20-Jan. 11.....	30		Including Bienville, Liberty Hill, and Mount Lebanon.
New Orleans.....	Dec. 20-Apr. 3.....	27		
Shreveport.....	Jan. 1-20.....	32	1	
Winnfield.....	Jan. 1-Mar. 24.....	33		And vicinity.
Total for State.....		131	1	
Maine:				
Cyr plantation.....	Oct. 16-24.....	11		
Frenchville.....	Nov. 11-Dec. 5.....	2		
Grand Isle (Grant Isle).....	Oct. 16-Dec. 12.....	26		
St. Agatha.....	Oct. 24-Dec. 26.....	9		
St. David.....	Dec. 13-19.....	1		
Upper Frenchville.....	Oct. 25-Nov. 11.....	2		
Van Buren.....	Oct. 18-Feb. 6.....	94		
Total for State.....		145		

Smallpox in the United States, etc.—Continued.

Place.	D ate.	Cases.	Deaths.	Remarks.
Maryland:				
Baltimore.....	Jan. 30-Feb. 6....	1		
Total for State.....		1		
Massachusetts:				
Boston.....	Mar. 14-20.....	2		
Haverhill.....	Mar. 14-20.....	1		
Lawrence.....	Mar. 7-13.....	1		
New Bedford.....	Jan. 30-Mar. 13....	3	1	
Taunton.....	Jan. 3-9.....	1		
Total for State.....		8	1	
Michigan:				
Barry County.....	Nov. 1-Dec. 31....	5		
Cheboygan County.....	Dec. 1-31.....	4		
Delta County.....	Nov. 1-30.....	1		
Eaton County.....	Dec. 1-31.....	1		
Ingham County—				
Lansing.....	Nov. 1-Dec. 31....	11		
Ionia County.....	Dec. 1-31.....	2		
Kalamazoo County.....	Dec. 1-31.....	3		
Kent County—				
Grand Rapids.....	Jan. 24-Feb. 20....	2		
Lapeer County.....	Dec. 1-31.....	2		
Macomb County.....	Nov. 1-30.....	1		
Manistee County.....	Nov. 1-30.....	2		
Menominee County.....	Dec. 1-31.....	1		
Muskegon County.....	Nov. 1-Dec. 31....	19		
Saginaw County—				
Saginaw.....	Jan. 16-Apr. 3....	9		
St. Clair County.....	Nov. 1-Dec. 31....	2		
Port Huron.....	Nov. 1-Dec. 5....	3		
Wayne County—				
Detroit.....	Jan. 10-Mar. 27....	7		
Wexford County.....	Dec. 1-31.....	2		
Total for State.....		77		
Minnesota:				
Becker County.....	Dec. 7-13.....	1		
Benton County.....	Oct. 26-Nov. 2....	1		
Brown County.....	Oct. 20-Nov. 23....	11		
Carver County.....	Dec. 7-13.....	6		
Cass County.....	Oct. 12-Dec. 7....	1		
Chippewa County.....	Nov. 3-9.....	1		
Cottonwood County.....	Oct. 20-26.....	1		
Dodge County.....	Nov. 24-Dec. 7....	2		
Faribault County.....	Dec. 7-13.....	1		
Hennepin County.....	Oct. 6-12.....	1		
Minneapolis.....	Nov. 1-Mar. 27....	89		
Hubbard County.....	Oct. 19-Dec. 7....	11		
Jackson County.....	Dec. 7-13.....	1		
Lac qui Parle County.....	Nov. 2-Dec. 13....	3		
Lyon County.....	Nov. 16-Dec. 13....	2		
Morrison County.....	Nov. 20-Dec. 13....	20		
Nicolett County.....	Nov. 16-Dec. 13....	3		
Norman County.....	Dec. 7-13.....	5		
Pipestone County.....	Dec. 7-13.....	6		
Ramsey County.....	Nov. 16-Dec. 7....	2		
St. Paul.....	Oct. 6-Dec. 13....	57		
Renville County.....	Dec. 1-7.....	1		
St. Louis County—				
Duluth.....	Nov. 9-Apr. 8....	9		
Sibley County.....	Dec. 7-13.....	9		
Stearns County.....	Nov. 9-Dec. 7....	4		
Steele County.....	Oct. 20-Dec. 7....	4		
Stevens County.....	Nov. 9-Dec. 13....	12		
Todd County.....	Nov. 9-Dec. 13....	3		
Wabasha County.....	Nov. 2-Dec. 7....	10		
Wadena County.....	Nov. 2-Dec. 13....	15		
Saseka County.....	Oct. 26-Dec. 7....	9		
Washington County.....	Nov. 24-30.....	1		
Stillwater.....	Dec. 1-31.....	3		
Winona County.....	Dec. 1-7.....	1		
Winona.....	Dec. 1-Feb. 28....	8		
Yellow Medicine County.....	Oct. 20-26.....	1		
Total for State.....		315		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mississippi:				
De Soto County.....	Nov. 1-Dec. 22....	135		
Total for State.....		135		
Missouri:				
Kansas City.....	Jan. 24-Mar. 20....	12		
Liberty.....	Jan. 15-Mar. 11....	20		
Rich Hill.....	Dec. 5-31.....	4		
St. Joseph.....	Dec. 1-31.....	1		
St. Louis.....	Dec. 20-Apr. 3....	25		
Springfield.....	Nov. 1-Feb. 28....	3		
Total for State.....		65		
Montana:				
Beaverhead County.....	Feb. 1-28.....	2		Report for December not yet received.
Carbon County.....	Feb. 1-28.....	1		
Cascade County.....	Nov. 1-Jan. 31....	5		
Chouteau County.....	Jan. 1-Feb. 28....	4		
Dawson County.....	Jan. 1-31.....	3		
Fergus County.....	Jan. 1-Feb. 28....	29		
Flathead County.....	Nov. 1-30.....	1		
Gallatin County.....	Nov. 1-Jan. 31....	14		
Bozeman.....	Nov. 1-Feb. 28....	19		
Granite County.....	Jan. 1-31.....	4		
Jefferson County.....	Nov. 1-30.....	4		
Missoula County.....	Jan. 1-31.....	12		
Missoula.....	Jan. 1-Feb. 28....	4		
Park County.....	Jan. 1-31.....	6		
Powell County.....	Jan. 1-Feb. 28....	12		
Ravalli County.....	Nov. 1-30.....	4		
Sanders County.....	Jan. 1-Feb. 28....	10		
Silverbow County.....	Nov. 1-Feb. 28....	14		
Butte.....	Mar. 16-23.....	30		
Yellowstone County.....	Nov. 1-30.....	1		
Billings.....	Jan. 1-31.....	1		
Total for State.....		180		
Nebraska:				
Arlington.....	Jan. 25.....	1		
Lincoln.....	Nov. 1-Feb. 28....	15		
South Omaha.....	Dec. 20-Mar. 27....	12		
Total for State.....		28		
New Hampshire:				
Hillsdale.....	Nov. 1-Dec. 15....	6		
West Chesterfield.....	Nov. 1-Dec. 15....	1		
West Lebanon.....	Jan. 15-Feb. 7....	2		
Westmoreland.....	Nov. 1-Dec. 15....	1		
Total for State.....		10		
New Jersey:				
Camden.....	Feb. 21-Apr. 10....	7		
Hightstown.....	Mar. 3.....	1		
New Brunswick.....	Mar. 7-Apr. 5....	7		
Paterson.....	Mar. 16-Apr. 2....	8		
Perth Amboy.....	Mar. 4-31.....	26		
Plainfield.....	Mar. 7-Apr. 5....	4		
Woodbridge.....	Mar. 6-26.....	1		
Total for State.....		54		
New York, general:				
Buffalo.....	Nov. 1-Dec. 31....	75	1	
Buffalo.....	Feb. 14-Mar. 20....	4		
Mohawk Valley.....			1	Year 1908.
New York.....	Feb. 21-Apr. 3....	6	1	
Niagara Falls.....	Feb. 7-13.....	1		
Rome.....	Jan. 1-31.....	1		
Schenectady.....	Feb. 7-13.....	1		
Syracuse.....	Jan. 9-31.....	3		
Total for State.....		91	3	
North Carolina:				
Ashe County.....	Jan. 1-31.....	7		
Bertie County.....	Nov. 1-30.....	1		
Camden County.....	Jan. 1-31.....	30		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Catawba County.....	Nov. 1—Dec. 31....	4		
Currituck County.....	Nov. 1—Jan. 31....	34		
Duplin County.....	Dec. 1—Jan. 31....	60		
Edgecombe County.....	Dec. 1—31.....	1		
Johnston County.....	Nov. 1—Jan. 31....	13		
Jones County.....	Jan. 1—31.....	3		
Lenoir County.....	Dec. 1—31.....	20		
Lincoln County.....	Dec. 1—31.....	1		
Madison County.....	Jan. 1—31.....	2		
Nash County.....	Jan. 1—31.....	1		
New Hanover County— Wilmington.....	Jan. 22—Mar. 1....	4		Imported.
Pasquotank County.....	Nov. 1—Jan. 31....	79		
Pitt County.....	Jan. 1—31.....	2		
Sampson County.....	Jan. 1—31.....	22		
Scotland County.....	Jan. 1—31.....	6		
Wayne County.....	Jan. 1—31.....	20		
Total for State.....		310		
North Dakota.....	July 1—Feb. 19....	168		
Ohio, general.....				
Cincinnati.....	June 14—Jan. 2....	337		
Cleveland.....	Dec. 12—Apr. 9....	197	1	
Columbus.....	Feb. 28—Apr. 2....	4		
Columbus.....	Dec. 26—Mar. 2....	14		Revised. 3 ^r cases additional in Sept. and Oct.
Dayton.....	Jan. 24—Feb. 20....	5		
Newark.....		3		Year 1908.
Tiffin.....	Jan. 3—23.....	2		
Total for State.....		562	1	
Oregon:				
Clackamas County.....	Sept. 1—30.....	1		
Harney County.....	Sept. 1—30.....	1		
Jackson County.....	Oct. 1—Dec. 31....	9		
Lane County.....	Dec. 1—31.....	10		
Linn County.....	Sept. 1—Oct. 31....	5		
Marion County.....	Sept. 1—Dec. 31....	4		
Multnomah County.....	Dec. 1—31.....	5		
Portland.....	Nov. 1—Feb. 28....	91		
Polk County.....	Sept. 1—Dec. 31....	9		
Tillamook County.....	Oct. 1—31.....	1		
Umatilla County.....	Sept. 1—Dec. 31....	6		
Wallowa County.....	Oct. 1—31.....	1		
Washington County.....	Oct. 1—Dec. 31....	23		
Yamhill County.....	Sept. 1—Dec. 31....	17		
Total for State.....		183		
Pennsylvania:				
Gracedale.....	Oct. 24.....	1		
Harrisburg.....	Dec. 18—Jan. 20....	3		
New Castle.....	Feb. 1—28.....	2		
New Kingstown.....	Dec. 29.....			Present.
Philadelphia.....	Dec. 10—25.....	1		
Pittsburg.....	Dec. 13—19.....	1		Imported.
Prompton.....	Jan. 2—Feb. 10....	3		
Total for State.....		11		
South Carolina:				
Winnsboro.....	Feb. 1—28.....	5		
Total for State.....		5		
South Dakota:				
Aberdeen.....	May 1—Jan. 31....	43		
Total for State.....		43		
Tennessee:				
Fayette County.....	Dec. 1—Mar. 28....	200		
Greene County.....	Jan. 2.....	103		Including Greeneville.
Knoxville.....	Dec. 28—Apr. 3....	21		
Memphis.....	Jan. 1—Mar. 13....	190	1	
Murfreesboro.....	Mar. 15—31.....	1		
Nashville.....	Dec. 20—Mar. 27....	42		
Folk County.....	Jan. 22.....	30		
Total for State.....		587	1	

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Texas:				
Corpus Christi.....	Apr. 2.....	.....	.....	Present.
Cost.....	Oct. 1—Dec. 19.....	.....	.....	Do.
Cotulla.....	Jan. 25—Feb. 17.....	.....	.....	Do.
Denton County.....	Jan. 1—Feb. 8.....	9	.....	Including Justin and Roanoke.
El Paso.....	Feb. 10—Mar. 16.....	8	1	.....
Falfurrias.....	Dec. 26.....	12	.....	.....
Fort Worth.....	.....	256	.....	Year 1908.
Do.....	Feb. 1—Mar. 31.....	13	.....	.....
Galveston.....	Mar. 6—26.....	2	.....	.....
Goliad County.....	Dec. 1—Jan. 20.....	25	.....	.....
Houston.....	Jan. 1—Mar. 27.....	9	.....	.....
Laredo.....	Dec. 26—Mar. 19.....	6	.....	Present.
Monthalia.....	Oct. 1—Dec. 19.....	.....	.....	Do.
Oak Forest.....	Oct. 1—Dec. 19.....	.....	.....	.....
San Antonio.....	Dec. 13—Apr. 3.....	82	.....	Do.
San Augustine County.....	Jan. 5.....	.....	.....	.....
Total for State.....	.....	422	1	.....
Utah:				
Beaver County.....	Feb. 1—28.....	2	.....	.....
Carbon County.....	Feb. 1—28.....	1	.....	.....
Cache County.....	Jan. 1—Feb. 28.....	62	.....	.....
Davis County.....	Nov. 1—Feb. 28.....	32	.....	.....
Emery County.....	Feb. 1—28.....	4	.....	.....
Garfield County.....	Dec. 1—Feb. 28.....	26	.....	.....
Millard County.....	Jan. 1—31.....	1	.....	.....
Salt Lake County.....	Dec. 1—Feb. 28.....	162	.....	.....
Salt Lake City.....	Dec. 1—Feb. 28.....	272	1	.....
Sanpete County.....	Dec. 1—31.....	1	.....	.....
Sevier County.....	Jan. 1—Feb. 28.....	76	.....	.....
Summit County.....	Dec. 1—Feb. 28.....	32	.....	.....
Utah County.....	Dec. 1—31.....	1	.....	.....
Weber County.....	Nov. 1—Feb. 28.....	6	.....	.....
Total for State.....	.....	678	1	.....
Vermont:				
Brattleboro.....	Dec. 5—Jan. 30.....	59	.....	.....
Newfane.....	Jan. 11.....	8	.....	And vicinity.
West Windsor township.....	Jan. 23.....	2	.....	.....
White River Junction.....	Jan. 4—Feb. 9.....	3	.....	.....
Total for State.....	.....	72	.....	.....
Virginia:				
Caroline County.....	Mar. 9.....	1	.....	Present in October, 1908.
Lynchburg.....	Jan. 10—30.....	3	.....	Imported.
Norfolk.....	Feb. 5—17.....	3	.....	On tug E. W. Marts.
Port Royal.....	Dec. 28—Jan. 14.....	3	.....	.....
Richmond.....	Mar. 14—20.....	1	.....	.....
Total for State.....	.....	11	.....	.....
Washington:				
Bellingham.....	Jan. 25—Mar. 23.....	10	.....	.....
Camas.....	Dec. 29—Mar. 8.....	18	.....	.....
Seattle.....	Oct. 1—Feb. 28.....	18	.....	.....
Spokane.....	Dec. 6—Mar. 20.....	12	1	.....
Tacoma.....	Dec. 14—Mar. 14.....	60	.....	.....
Total for State.....	.....	118	1	.....
West Virginia:				
Charleston.....	Jan. 1—31.....	1	.....	Present in January.
Moundsville.....	.....	.....	.....	.....
Weston.....	Jan. 15—Feb. 13.....	1	.....	.....
Total for State.....	.....	2	.....	.....
Wisconsin:				
Adams County.....	July 1—Sept. 30.....	3	.....	.....
Barron County.....	July 1—Sept. 30.....	1	.....	.....
Chippewa County.....	July 1—Sept. 30.....	6	.....	.....
Dane County.....	July 1—Sept. 30.....	1	.....	.....
Dodge County.....	July 1—Sept. 30.....	1	.....	.....
Douglas County.....	July 1—Sept. 30.....	28	.....	.....
Dunn County.....	July 1—Sept. 30.....	1	.....	.....
Fond du Lac County.....	July 1—Sept. 30.....	3	.....	.....
Green County.....	July 1—Sept. 30.....	2	.....	.....
Iron County.....	July 1—Sept. 30.....	2	.....	.....

Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Popula- tion, United States census. 1900.	Total deaths from all causes.	Cases and deaths.												
				Tuber- culosis.		Enteric fever.		Scarlet fever.		Diph- theria.		Measles.		Whoop- ing cough.		
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Elmira, N. Y.	Apr. 3	35,672	8	12					3				6			
El Paso, Tex.	Apr. 6	15,905	16		5				2			1		3		
Elkhart, Ind.	Apr. 3	15,184	7	1	1				1				1			
Evansville, Ind.	do.	59,007	25	1	2	5	2				1					
Everett, Mass.	do.	24,336	9	1				5		5			1			
Fall River, Mass.	Apr. 5	104,863	51	8	4	1	1	4		6			10		1	
Findlay, Ohio	Apr. 3	17,613	4		1					1						
Galesburg, Ill.	do.	18,607	6						1							
Galveston, Tex.	Apr. 2	37,789	7		1	4	1				2					
Glens Falls, N. Y.	Apr. 3	13,543	5	1									24			
Gloucester, Mass.	do.	26,121	3													
G'd Rapids, Mich.	do.	87,565	28	3	3	3	1	19	1	3			5			
Greensboro, N. C.	do.	10,035	3							1						
Hammond, Ind.	do.	12,376	7	1									6			
Harrison, N. J.	do.	10,596	4	2	1				1							
Haverhill, Mass.	Mar. 27	37,175	11	1	2	1				2					3	
Hoboken, N. J.	Apr. 3	59,364	5					3		3			2		1	1
Hyde Park, Mass.	do.	13,244	9		3			1								
Indianapolis, Ind.	Apr. 4	169,164	70	2	6	2	2	5		2			73			1
Jacksonville, Fla.	Apr. 3	28,429	13		3								2			
Jackson, Mich.	Mar. 27	25,180	12			1				2						
Johnstown, Pa.	Apr. 3	35,936	17		1			17	1	4			4			
Kalamazoo, Mich.	Mar. 20	24,404	14		1					2			4		1	
Do.	Mar. 27	24,404	23	1	2			1					5		2	
Kansas City, Kans.	Apr. 3	51,418	22		2	1		1		1	1	1	16		1	
Kearney, N. J.	do.	10,896						1		1	1	1				
Kingston, N. Y.	Apr. 2	24,535	13		2											
Knoxville, Tenn.	Apr. 3	32,637	15										2			
La Crosse, Wis.	do.	28,895	11							1						
Lafayette, Ind.	Apr. 5	18,116	9		1			1		1			5			1
Lancaster, Pa.	Apr. 3	41,459	15					1		1	1		3			
Lawrence, Mass.	do.	62,559	28	2	2	1				5	1		17			
Lebanon, Pa.	do.	17,628	7		1	2		1		3			1			
Lexington, Ky.	do.	26,369	12		1		1								1	
Los Angeles, Cal.	Mar. 27	102,479	85	13	20	6	1	20		5			6			
Lowell, Mass.	Apr. 3	94,969	31	4	3	4	1	2		1			1		1	
Lynn, Mass.	do.	68,513	31		4	1		1		4	1		1			
McKeesport, Pa.	Mar. 6	34,227	15	3		1				3	1				11	1
Do.	Mar. 13	34,227	12		1	1	1			3			1		4	
Do.	Mar. 20	34,227	14		2	1							1		5	1
Do.	Mar. 27	34,227	10	1	1	2			1				3		10	
Do.	Apr. 3	34,227	13	2		1				2			1		5	
Macon, Ga.	Apr. 4	22,746	2													
Malden, Mass.	Mar. 27	33,664	7	1				2					2		1	
Manchester, N. H.	Apr. 3	56,987	27	2	2			4		14	1				1	1
Manitowoc, Wis.	do.	11,786	5	1	1	1	1						15		5	
Marinette, Wis.	do.	16,195	5													
Marlboro, Mass.	do.	13,609	3													
Massillon, Ohio	do.	11,944	1		1											
Medford, Mass.	do.	18,244	9													
Minneapolis, Minn.	Mar. 20	202,718	65	9	11	4	2	20	1	16	1					
Do.	Mar. 27	202,718	68	7	6	3		19		18	1					
Montclair, N. J.	Apr. 3	13,962	8	1	1	1							14		1	
Montgomery, Ala.	Apr. 2	30,346	15		2											1
Moline, Ill.	Apr. 4	17,248	8					2	1				6			
Morristown, N. J.	Apr. 3	13,000	2													
Mount Vernon, N. Y.	do.	21,228	5	1				1		3			14			
Muncie, Ind.	do.	20,942	4										1			
Nanticoke, Pa.	Apr. 4	12,616	8	2						1			18			
Nashville, Tenn.	Apr. 3	80,865	58	3	9	3		2		1						
Nebraska City, Nebr.	do.	7,200	1													
Newark, N. J.	do.	246,070	100		22	1		58	3	33						
New Bedford, Mass.	Mar. 27	63,442	23	2	1			2					3		4	
Do.	Apr. 3	63,442	32	4	3			9					2		1	
Newburyport, Mass.	do.	14,478	9		1											
New London, Conn.	do.	17,548	8		3			1							2	
New Orleans, La.	do.	278,104	128	29	15	3	1	118	5	6						
Newton, Mass.	do.	33,587	11	1				1		3			14			
New York, N. Y.	do.	3,437,202	1,710	478	212	26	5	373	19	320	32	1,077	34	62		8

Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Population, United States census, 1900.	Total deaths from all causes.	Cases and deaths.												
				Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.		
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	
Niagara Falls, N. Y.	Apr. 3	19,457	8	9	1	28	10	10	6	12						
Norristown, Pa.	do.	22,265	16	13	1	1										
North Adams, Mass.	do.	24,200	9	19	1											
Northampton, Mass.	do.	18,643	13	18	1											
Orange, N. J.	do.	24,141	14	2	1		1									
Ottumwa, Iowa.	do.	18,197	4	4	1											
Palmer, Mass.	do.	7,801	2			1										
Peekskill, N. Y.	do.	10,358	3						2				1			
Peoria, Ill.	do.	56,100	12	13	1			4	3							
Pittsfield, Mass.	do.	21,766	9	4	3			1								
Plainfield, N. J.	Apr. 5	15,369	4	1				3					2			
Plymouth, Pa.	Apr. 3	13,649											4			
Portsmouth, N. H.	do.	10,637			1											
Portsmouth, Va.	Apr. 6	17,427	12		1											
Pottstown, Pa.	Apr. 3	13,696	8			1	1			2						
Providence, R. I.	do.	175,597	77	4	6	1	8		8	1			1			
Reading, Pa.	Apr. 5	78,961	34		2	7	1	4		1			1			1
Richmond, Va.	Apr. 3	85,050	51	8	9	3				3					5	
Rockford, Ill.	do.	31,051								1						
Rock Island, Ill.	Mar. 21	19,493	9			1		1								
Do	Apr. 3	19,493	8													
Sacramento, Cal.	Mar. 27	29,282	12			1		1					1		1	
St. Louis, Mo.	Apr. 3	575,238	232	39	32	4	4	25	4	26	6	394	4	3		
San Antonio, Tex.	do.	53,321				4	4									
San Francisco, Cal.	Mar. 27	342,782	126	41	15	4	2	18		11	2	54	5	2	1	
San Jose, Cal.	Mar. 28	21,500	19	1												
Scranton, Pa.	Mar. 27	102,026	39	2	1			5	1	4		23	2	4		
Do	Apr. 3	102,026	37	2	1			10	2	5	1	14	1			
Schenectady, N. Y.	do.	31,682	21	4	1			4				1				
Somerville, Mass.	do.	61,643	20	3	2			6	1	5		13				
South Bend, Ind.	do.	35,999	13					1								
South Bethlehem, Pa.	Apr. 4	13,241	2					1								
Springfield, Ill.	Apr. 2	34,159	20					1		1						
Springfield, Mass.	Apr. 3	62,059	29	4				3		7		3		8		
Springfield, Ohio	do.	38,253	12	4	3											
Steelton, Pa.	do.	12,068	6		1			3								
Superior, Wis.	do.	31,091	6					11	1	1						
Taunton, Mass.	do.	31,366	13	4	2					1		1		1		
Terre Haute, Ind.	do.	36,673	27		9	1		1		1						1
Titusville, Pa.	do.	8,244	2		1											
Topeka, Kans.	Mar. 27	33,608	13	1	1											
Trenton, N. J.	Apr. 3	73,307		7	6	7	1	4		4	1					
Waltham, Mass.	do.	23,481						3			1	15				
Warren, Pa.	Mar. 7	8,043	6					1								
Do	Mar. 14	8,043	5													
Do	Mar. 21	8,043	3													
Do	Mar. 28	8,043	4					1								
Warren, Ohio.	Apr. 3	8,529	1													
Washington, D. C.	do.	278,718	145	36	23	14	1	22	2	8	1	310	1	17		
Weymouth, Mass.	do.	11,324	2							1						
Wichita, Kans.	do.	24,671						8				48	1			
Wilkes-Barre, Pa.	do.	51,721	23	1	1		1	2		8		62				
Wilkinsburg, Pa.	Apr. 7	13,000	6	1	1											
Williamsport, Pa.	Apr. 3	28,757	8					1								
Wilmington, Del.	do.	76,508	36		2				1		1					
Winona, Minn.	Apr. 6	19,714	2													
Woburn, Mass.	Apr. 3	14,254	7	1									1			
Yonkers, N. Y.	Apr. 1	47,931	24	4	5			15		4			7	1		
Do	Apr. 8	47,931	25	10	7			9		3			13			
York, Pa.	Mar. 31	33,708		4		1		2		1			2			
Zanesville, Ohio.	Apr. 3	23,538	8			5		1								

* Report covers four days.

FOREIGN AND INSULAR.

Assignment of inspectors to the fruit ports of Central America and ports in Mexico and the West Indies—Circular of instructions.

The following-named acting assistant surgeons have been appointed and assigned to duty at American consulates at the fruit ports of Central America and certain ports in Mexico and the West Indies, named below, for the present quarantine season for the purpose of inspecting vessels, their cargoes, and crews bound from said ports to ports of the United States and its insular possessions:

FRUIT PORTS.

D. W. Goodman, Limon, Costa Rica.
R. P. Ames, Livingston, Guatemala.
T. B. L. Layton, Bluefields, Nicaragua.
Allen J. Jumel, Ceiba, Honduras.
C. L. Mengis, Belize, British Honduras.
L. A. Wailes, Puerto Cortez, Honduras.
Paul Osterhout, Bocas del Toro, Panama.
C. K. Roe, Tela, Honduras.

MEXICO.

J. F. Harrison, Progreso, Mexico.
C. S. Carter, Veracruz, Mexico.
Leroy Stowe, Tampico, Mexico.
W. R. P. Thompson, Coatzacoalcos, Mexico.
Alfredo E. Gochicoa, Salina Cruz, Mexico.

WEST INDIES.

R. H. Urquhart, Bridgetown, Barbados, British West Indies.
William F. Wild, St. Thomas, Danish West Indies.
A. G. Maylie, Castries, St. Lucia, British West Indies.

The following special quarantine regulations for fruit vessels will be enforced:

TREASURY DEPARTMENT,
OFFICE OF THE SECRETARY,
Washington, April 15, 1907.

To United States Consular Officers, Master and Owners of Vessels, Collectors of Customs, National, State, and Local Quarantine Officers, and others:

To permit vessels from foreign ports with perishable cargoes of fruit to enter southern ports in the United States, without detention, the following special regulations are promulgated, as provided in the general quarantine regulations of April, 1903, and will be enforced at the ports of departure, and on arrival.

These regulations are a concession to vessels engaged in the fruit trade and contain provisions for the conduct of such trade with safety without injurious detention of the fruit at domestic quarantine stations. While the regulations are more stringent when yellow fever is reported at a fruit port they do not impose an embargo on the fruit traffic. The success of the regulations, however, depends upon reliable information as to health conditions and prompt knowledge of the first appearance and subsequent cases of yellow fever at any port. Therefore, the department reserves the right, when satisfied that information is being denied or withheld, to recall from the port the medical officer detailed thereto by authority of the President. In this event the issue of the special certificate required by these regulations would be impossible, and fruit vessels from a port from which the medical officer has been recalled will be subject to the general quarantine regulations requiring disinfection at the domestic station and detention of personnel six days thereafter.

REGULATIONS TO BE ENFORCED AT FOREIGN PORTS SUSPECTED OF BEING INFECTED WITH YELLOW FEVER.

1. None of the crew shall be allowed to go on land except the captain or his representative, or both when absolutely necessary, who shall go only to enter and clear the vessel, and only in the daytime.

2. No one from the shore shall visit the vessel except the quarantine officers, customs officers, and agent of the ship.

3. All laborers who may be taken on the ship for loading purposes must have no intercourse with the shore subsequent to their entry upon the vessel until their final discharge therefrom.

4. No intercourse is to be allowed with persons on shore, except as provided in the preceding paragraphs. All fruit intended for shipment on vessels lying at docks shall be graded and payment made for the same on shore or dock; such operations should not await the arrival of the fruit on shipboard. Fruit brought alongside by small boats or lighters shall be graded and necessary payment made over ship's side.

5. All passengers must embark from the regular ports and must have been under the observation of the sanitary inspector of the United States for at least three days prior to the departure of the ship, and be provided with his certificate to that effect. Where passengers come from elevated and noninfectible points in the interior to coast towns for embarkation, they should not be required to pass the three-day period of observation in the latter places because of possible danger of developing malarial or other tropical fevers. They should be required to bring a certificate from the United States consul, or a reliable physician, and the sanitary inspector shall satisfy himself that they have been at such elevated and noninfectible interior points for three days immediately preceding their arrival at coast towns.

6. Special attention should be paid to the sanitary condition and history of passengers arriving, directly or indirectly, from the Pacific coast towns of Central America.

7. All outgoing vessels must be provided with a bill of health in accordance with the law, and, in addition thereto, certificates in duplicate, signed by the medical officer attached to the consulate, giving the name of the ship, her master, the number of crew, a list of passengers, their sanitary condition, their ultimate destination in the United States, and stating the health condition of the port and surrounding country, of the ship and her crew, with any other pertinent information; also certifying that the vessel has complied with all the requirements of this circular for the port of departure. This certificate shall be attached to the bill of health, and the duplicate to the duplicate bill of health, and shall be the evidence of compliance with the above requirements on which the vessel, arriving with a good sanitary history and in good sanitary condition, may be admitted to entry, without the usual disinfection and detention in quarantine. Holds of such vessels should be disinfected with sulphur, after discharge of cargo, when deemed necessary.

REGULATIONS TO BE ENFORCED AT FOREIGN PORTS INFECTED WITH YELLOW FEVER.

8. The foregoing rules and regulations shall apply also to vessels engaged in the fruit trade between foreign ports infected with yellow fever, or where yellow fever prevails, and ports of the United States, and are the special regulations provided for in paragraph 69, Exception B, of the quarantine regulations for domestic ports, April 1, 1903. Attention is called to the further requirement that these vessels shall carry no passengers, and also to the general regulations to be observed at all foreign ports where yellow fever prevails with regard to vessels leaving for the United States or its dependencies.

9. The vessel shall not lie where her crew will be exposed to the danger of contracting yellow fever, and at ports where the vessels lie at wharves the vessel must be moved into the stream or at least 200 meters from the wharf before sunset, and not returned to the wharf before sunrise the following day, except at ports where previous permission has been obtained from the Bureau.

10. Water tanks, water buckets, and other collections of water about the vessel must be guarded in such manner that they shall not become breeding places for mosquitoes. The destruction of mosquitoes aboard must be insured as far as possible by the simultaneous fumigation—2 pounds of sulphur per 1,000 cubic feet, all openings closed for two hours—of all compartments which can be so treated without injury to the cargo. Pyrethrum powder, taking care to sweep up and destroy the mosquitoes, may be substituted in the engine room at the option of the medical officer.

11. The vessel should sail immediately after this fumigation is completed.

12. All baggage should be rigidly inspected and the exclusion of mosquitoes assured.

NOTE.—While the foregoing are specific regulations for fruit vessels, it should be borne in mind that they relate only to yellow fever, and that in the event of an outbreak of any other quarantinable disease at the port of departure, the general quarantine regulations for diseases other than yellow fever, approved April 1, 1903, should be enforced on these fruit vessels.

REGULATIONS TO BE ENFORCED AT SOUTHERN PORTS OF THE UNITED STATES.

13. Fruit vessels plying between United States ports and fruit ports where yellow fever is known to exist will not be given pratique under the provisions of these special regulations until they have been not less than six days from the port of departure.

14. Whenever the master or agent of the vessel so desires, the following alternative to paragraph 13 is offered:

a. Fruit vessels from ports where yellow fever is known to exist will be permitted to enter as soon as the crew, except the master, first mate, and chief engineer, shall have been removed from the vessel and placed in quarantine at the station and the living quarters of the vessel thoroughly fumigated. The quarantine officer shall certify the number of the crew removed, and shall compare and verify the same with the bill of health of the vessel. The vessel may then be released and either towed to the city docks or a new crew will be permitted to be placed on board.

b. The new crew may either leave the ship at the dock or return with the vessel to the quarantine station, but if for any sanitary reason their detention on the vessel at the dock or return on the same vessel to the quarantine station should be deemed necessary by the quarantine officer or the service representative in the city such detention or return shall be required.

c. The crew detained at the quarantine station may be released at the expiration of six days from the infected port or six days from their last possible exposure to infection. If for any reason the quarantine officer deems it necessary to detain them longer this may be done. After release the crew may be permitted to proceed to the city to rejoin their vessel, or rejoin the vessel at the station on her outward trip.

d. Immediately after unloading at the dock all parts of the vessel shall be simultaneously fumigated for the destruction of mosquitoes with 2 pounds of sulphur per 1,000 cubic feet of space. After such fumigation lading for outgoing cargo may commence.

e. If the vessel departs without cargo the vessel may be fumigated en route to quarantine.

f. Two sets of quarters must be maintained at the quarantine station, one for the crews of incoming vessels, and the other for such relief crews as may be employed by the companies, and both quarters shall be fumigated immediately after being vacated.

g. The requirements of these provisions, and each step and detail thereof, shall be certified by the proper quarantine officer before clearance papers are granted.

15. Fruit vessels without certificates of the United States sanitary inspectors at foreign ports shall be subject to the general quarantine regulations of the United States.

16. Persons exposed to infection in unloading cargo onto lighters shall be detained, after such exposure, as provided for other persons exposed to yellow fever.

17. Any officer of a fruit vessel detected in evading or violating these special regulations shall forfeit, for any vessel upon which he may subsequently be found, or be engaged, any participation in the special privileges accorded by these regulations.

18. Fruit vessels trading with any ports infected with yellow fever must carry a competent, qualified physician.

19. Fruit vessels arriving with yellow fever on board, or having had yellow fever on board during the voyage, shall be placed in quarantine. The personnel shall be removed,

with the exception of the master, first mate, and engineer, the living apartments thoroughly disinfected, the vessel provided with a new crew sufficient to care for her, and towed, or proceed under her own steam, to the docks for discharge of cargo. All officers and crew shall be detained on board, under guard, until the completion of the discharge of cargo, while the vessel is at the dock and until the return of the vessel to the quarantine station. Immediately upon the completion of the discharge of cargo, the holds shall be fumigated with sulphur and the vessel shall be returned to the quarantine station and permitted to take on her crew before proceeding to sea.

20. This circular supersedes all previous department circulars relating to special quarantine regulations for fruit vessels.

GEORGE B. CORTELYOU,
Secretary.

ALGERIA.

Deratization at Algiers and other localities—Rat fleas.

The following is taken from the *Bulletin Bimensuelle*, Algiers, March 1-15:

Algiers.—February 1-15: Rodents taken by the maritime sanitary service, 516; examined by the laboratory of health, 91; result, negative. Classification of rats: *Mus norvegicus*, 372; *Mus rattus*, 47; *Mus musculus*, 87. Rat fleas determined—*Pulex cheopis* on 2 *Mus rattus*, 8; *Ctenopysylla musculi* on 1 *Mus rattus*, 8; *Ceratophyllus* on 1 *Mus rattus*, 2.

Bône.—Month of February, 1909: Rodents taken, 235; examined, 145.

Bougie.—Month of February, 1909: Rodents taken, 33; examined, 27; rodents taken on wharves; result negative.

Dellys.—Month of February, 1909. Rodents taken, 89; all in city.

Oran.—Month of February, 1909. Rodents taken, 89; examined, 244; result negative.

Philippeville.—Month of February, 1909. Rodents taken, 33; examined, 23; result negative.

Ténés.—Month of February, 1909. Rodents taken, 70; on wharves and in wharf warehouses.

BARBADOS.

Report from Bridgetown—Status of yellow fever.

Consul Martin reports, March 27:

Since report of March 22, 3 cases of yellow fever have been reported, 1 case in the parish of St. Michael and 2 cases in St. Joseph parish. Bridgeton has not had a case since March 11.

The work of the health authorities is vigorously carried on.

BRAZIL.

Report from Rio de Janeiro—Inspection of vessels—Mortality—Plague and smallpox—Outbreak of plague at Magillones, Chile.

Acting Assistant Surgeon Stewart reports, March 11:

Week ended March 7. Vessels inspected and received bills of health: March 1, the British steamship *Corsican Prince*, for New York, in cargo of coffee, with no passengers and no change in the crew personnel; March 4, the British steamship *Redhill*, for New Orleans,

in coffee cargo, with no passengers and no change in the crew personnel; March 6, the British steamship *Tennyson*, for New York, in coffee cargo, with 10 cabin and 3 steerage passengers and no change in the crew, and on the same date the German steamship *Corrientes*, for New York, with 2 cabin passengers and no change in the personnel of the crew.

No other vessels left this port for United States ports during the week.

Bubonic plague in Chile.

Telegraphic dispatches of March 9 and 10 state that plague has broken out with great virulence in the city of Magillones, a seaport north of Antofagasta. The city is virtually depopulated, the inhabitants having fled from the locality after the occurrence within a few days of 70 cases.]

Mortality in Rio de Janeiro—Plague and smallpox.

Week ended March 7. Total estimated population, 811,443. Census population, 1907, 628,675. Total deaths, 288. No deaths nor cases reported due to yellow fever. Plague caused 1 death, with 5 new reported cases, and smallpox 14 deaths with 25 new reported cases, of which number 1 case was reported from the suburban districts. At the close of the week there were in the Hospital São Sebastião 35 cases of smallpox and 3 cases of plague under treatment.

CHINA.

Reports from Hongkong—Quarantine restrictions—Plague and smallpox—Inspection of emigrants—Inspection of vessels.

Acting Assistant Surgeon Hough reports, March 3: Weeks ended February 6, 13, 20, and 27.

Restrictions enforced by Hongkong remain as reported January 30.

Restrictions enforced against Hongkong remain as reported January 30.

Quarantinable diseases.

	Plague.		Smallpox.	
	Cases.	Deaths.	Cases.	Deaths.
Week ended:				
February 6.....	0	0	0	0
February 13.....	1	0	0	0
February 20.....	1	2	1	0
February 27.....	4	3	3	0

Vessels inspected and granted bills of health.

Week ended:	
February 6.....	8
February 13.....	10
February 20.....	7
February 27.....	7

Examination of aliens for Honolulu and Pacific coast ports.

Week ended February 6:	
Examined.....	0
Rejected.....	0
Week ended February 13:	
Examined.....	4
Rejected.....	1
Week ended February 20:	
Examined.....	160
Rejected.....	20
Week ended February 27:	
Examined.....	119
Rejected.....	40

Examination of aliens for Philippine Islands.

Week ended February 6:	
Examined.....	5
Rejected.....	1
Week ended February 13:	
Examined.....	0
Rejected.....	0
Week ended February 20:	
Examined.....	0
Rejected.....	0
Week ended February 27:	
Examined.....	16
Rejected.....	11

Reports from Shanghai—Inspection of vessels—Examination of emigrants—Plague-infected rats—Smallpox.

Acting Assistant Surgeon Ransom reports, March 10:

Week ended December 19, 1908. Supplemental bill of health issued to 1 steamship with an aggregate personnel of 313. There were inspected during the week 2 steamships, 142 members of crews, and 2 steerage passengers. Manifests were viséed for 1,223 pieces of freight.

Many plague-infected rats have been found in the vicinity of the wharves. Smallpox continues present in the settlement to a slight extent. (Report received out of date.)

Week ended March 6, 1909. Supplemental bills of health granted to 2 steamships having an aggregate personnel of 708. There were inspected 1 vessel, 107 members of crews, and 5 steerage passengers, with 11 pieces of personal baggage; 3 pieces of baggage were disinfected; 3 emigrants for San Francisco per steamship *Manchuria* were examined and passed and 1 intending emigrant was advised to wait.

The steamship *Manchuria*, Hongkong to San Francisco, remained in this port twenty hours, during which time she was anchored at Woosung. She loaded from lighters during daylight only, and shore liberty was allowed to cabin passengers only. Inspection was held at the tender at the time of her departure for the vessel. The condition of the ship and personnel from Hongkong was certified by the surgeon of the vessel.

The steamship *Kaga Maru*, Hongkong to Seattle, remained in this port 18 hours, in the stream. She loaded from lighters during daylight only, and shore liberty was granted to the cabin passengers and the purser only. Inspection of the crew and steerage passengers was held on board the vessel at the hour of her departure.

Manifests were viséed during the week for 429 packages of freight, aggregating 153.16 tons.

The weekly report of the municipal health department shows among natives 1 death from smallpox.

Plague-infected rats continue to be found in all sections of the settlement with the exception of the western district. Of 521 rats found dead and examined at the municipal laboratory, 10 were found to be plague infected. Of these latter, 6 were from the eastern and 2 each from the northern and central districts.

Reports from Hankau for the weeks ended February 20 and 27 show no quarantinable disease present. Reports from Tientsin for the weeks ended February 13, 20, and 27 show 1 new case of smallpox for the last-named period.

CUBA.

Report from Cienfuegos—Inspection of vessels.

Acting Assistant Surgeon Suarez reports, April 5:

Week ended April 3.

Vessels inspected.....	6
Bills of health issued.....	6
Members of crews inspected.....	177

No quarantinable diseases have been reported.

Reports from Habana—Inspection of vessels—Further relative to case of smallpox from steamship from Veracruz—Mosquitoes—Smallpox on steamship La Navarre from Spain—Sanitary conditions.

Passed Assistant Surgeon Amessee reports, April 1 and 5:

Week ended March 27.

Vessels inspected.....	24
Bills of health issued.....	27
Members of crews of outgoing vessels inspected	1, 392
Passengers of outgoing vessels inspected	1, 351
Vaccination certificates issued.....	25

Smallpox appeared at the Triscornia quarantine station in the person of a first-cabin passenger who arrived from Veracruz March 22. The patient was removed to Las Animas Hospital and the usual precautions were taken to prevent the extension of the disease. (See Public Health Reports, April 2, 1909, p. 421.)

Mosquitoes are becoming numerous.

Week ended April 3.

Bills of health issued.....	30
Vessels inspected.....	25
Members of crews of outgoing vessels inspected	2, 041
Passengers of outgoing vessels inspected	2, 263

A further case of smallpox was reported during this period, the patient being a steerage passenger of the French liner *La Navarre*, 14 days out from Spain.

The case was transferred together with 400 fellow-passengers to the Cuban quarantine station at Mariel, and the vessel properly disinfected.

All officers and troops belonging to the army of Cuban pacification, a total of 1,082, embarked April 1 per transports *Sumner* and *McClellan* for Newport News.

The chartered transport *Progreso* sailed the day previous for Tampa with 500 horses and mules.

Reports from the various health officers of the Republic indicate satisfactory sanitary conditions in Habana and the interior.

Report from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, April 5:

Week ended April 3. Bills of health issued to 7 vessels clearing for United States ports in good sanitary condition.

No quarantinable diseases were reported in this district during the week.

Report from Santiago—Inspection of vessels—Leprosy.

Acting Assistant Surgeon Wilson reports, March 31:

Week ended March 27. Bills of health issued to 5 vessels bound for the United States. No vessel was fumigated. No new case of quarantinable disease was reported. Of the cases of leprosy reported March 16, 1 died, leaving 3 cases.

HAWAII.

Reports from Honolulu—Examination of rats at Honolulu and Hilo for plague infection.

Passed Assistant Surgeon Currie reports, March 22 and 29, through Temporary Chief Quarantine Officer Moore:

HONOLULU.

Week ended March 20.

Total rats taken.....	709
Trapped.....	709
Found dead.....	0
Examined bacteriologically.....	606
Plague infected.....	0
Classification of rats trapped:	
<i>Mus alexandrinus</i>	125
<i>Mus musculus</i>	272
<i>Mus norvegicus</i>	188
<i>Mus rattus</i>	124
Average number of traps set daily.....	1,556
Number of poisons placed (barium carbonate).....	415
Rats from Hilo referred to this laboratory for bacteriological diagnosis.....	0
Rats from Hilo still under investigation.....	0
Rats from Hilo proved to be plague infected during week.....	3

Week ended March 27.

Total rats taken.....	672
Trapped.....	660
Found dead (mus rattus).....	1
Examined bacteriologically.....	571
Plague infected.....	0
Classification of rats trapped:	
Mus alexandrinus.....	105
Mus musculus.....	277
Mus norvegicus.....	167
Mus rattus.....	112
Average number of traps set daily.....	1, 556
Number of poisons placed (barium carbonate)..... lumps..	517
Number of rats killed by sulphur dioxide.....	11
Classification of rats killed by sulphur dioxide:	
Mus alexandrinus.....	5
Mus rattus.....	6
Rats from Hilo referred to this laboratory for bacteriological diagnosis.....	0
Rats from Hilo still under investigation.....	0
Rats from Hilo proved to be plague infected during week.....	0

HILO.

Week ended March 13.

Total rats taken.....	76
Trapped.....	66
Found dead.....	10
Examined by agent of board of health.....	71
Classification of rats:	
Mus alexandrinus.....	7
Mus musculus.....	4
Mus norvegicus.....	22
Mus rattus.....	43

Week ended March 20.

Total rats taken.....	112
Trapped.....	108
Found dead.....	4
Examined by agent of board of health.....	110
Classification of rats:	
Mus alexandrinus.....	10
Mus musculus.....	10
Mus norvegicus.....	29
Mus rattus.....	63

HONDURAS.

Reports from Puerto Cortez, fruit port.

Acting Assistant Surgeon Wailes reports:

Week ended April 1, 1909. Present officially estimated population, about 3,500. General sanitary condition of this port and the surrounding country, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.
Apr. —	H. T. Inge.....	31	1
	Utstein.....	16	

INDIA.

Report from Calcutta—Transactions of service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Allan reports, March 4:

Week ended February 27. No transactions.

Week ended March 6. Bills of health issued to the steamship *Bantu*, bound for Philadelphia and New York, with a total crew of 41; to the steamship *Tannenfels*, bound for Boston and New York with a total crew of 62; and to the steamship *Duffield* with a total crew of 27. The usual precautions were taken, holds fumigated, rat guards placed on wharf lines, and Asiatics' effects disinfected.

Week ended February 27. At Calcutta, 40 deaths from cholera, 36 from plague, and 332 from smallpox; in Bengal, 441 cases and 351 deaths from plague; in India, 4,717 cases and 3,750 deaths from plague.

ITALY.

Report from Naples—Inspection of vessels—Examination of emigrants—Smallpox in Naples—Status of smallpox in Italy.

Assistant Surgeon Wollenberg reports, March 20:

Vessels inspected at Naples, week ended March 22.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Mar. 14	Indiana.....	New York.....	1,295	50	1,520
15	Bulgaria.....	do.....	2,166	150	2,480
16	Cretic.....	do.....	1,440	110	1,680
17	Madonna.....	do.....	1,172	90	1,350
18	Lombardia.....	do.....	1,053	50	1,180
19	Königin Luise.....	do.....	1,137	80	1,450
20	Verona.....	Philadelphia.....	2,238	100	2,650
20	Luisiana.....	New York.....	1,261	60	1,480
	Total.....		11,762	690	13,790

Rejections recommended.

Date	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Measles.	Other causes.	Total.
Mar. 14	Indiana.....	14	1	2			10	27
15	Bulgaria.....	32	7	21	1		19	80
16	Cretic.....	17	2	18			10	47
17	Madonna.....	12	2	5			6	25
18	Lombardia.....	20	5	20		1	7	53
19	Königin Luise.....	27	1	11			17	56
20	Verona.....	38	5	25			18	86
20	Luisiana.....	9	2	7		1	13	32
	Total.....	169	25	109	1	2	100	406

Smallpox in Naples.—During the week ended March 21, 21 cases of smallpox with 2 deaths were reported at the health office of the city of Naples.

Status of smallpox in Italy.—Week ended March 21. Rescaldino (Milan), 1 case; Parma, 7 cases; Tribano (Padua), 1 case; Verona, 2 cases; Amatrice (Aquila), 3 cases.

JAPAN.

Reports from Yokohama—Inspection and fumigation of vessels—Examination of emigrants—Cleansing of houses—Measures against rats.

Passed Assistant Surgeon Cumming reports, March 17:

Week ended December 26, 1908. Six steamships with personnel aggregating 708 crew, 160 saloon, and 826 steerage passengers, of which 2 were bound for Manila, 1 for San Francisco via Seattle, 1 for same port via Honolulu, 1 for Seattle, 1 for Honolulu via Hokkaido, were inspected and given bills of health. Nineteen would-be steerage passengers, of whom 13 were passed and 6 held pending decision as to trachoma, were inspected. Fifteen persons were bathed and 18 pieces of baggage disinfected. (Received out of order.)

Two weeks ended March 13, 1909. Bills of health issued to 8 steamships having a personnel of 900 members of crews and 540 steerage and 133 saloon passengers. Of these vessels 2 were bound for Manila, 1 for Cavite, 2 for Seattle, 1 for Portland, Oreg., and 2 for San Francisco via Honolulu.

The steamship *Nikko Maru* hence for Australia via Manila was fumigated throughout with sulphur dioxide and washed down with carbolic solution on account of previous ports.

No quarantinable disease has been reported, but several plague-infected rats have been found near Kobe. The spring cleaning of all native houses has begun in addition to special measures against rats, for which poison and traps are used.

Examination of emigrants.

Number of emigrants per steamship *Manchuria* March 13 held for observation: For Honolulu 4; for San Francisco 5.

Per steamship *Kaga Maru* March 17 for Seattle, held for observation 11.

Detentions were for trachoma.

Report from Kobe—Inspection of vessels—Examination and disinfection of emigrants.

Acting Assistant Surgeon Knight reports, March 16:

Week ended March 13. Supplemental bills of health granted to 4 steamships. There were inspected 41 members of crew and 282 steerage passengers, and 23 steerage passengers were bathed, disinfected, and had their effects disinfected by steam. The number of pieces of baggage steamed was 101 and bedding 78. Manifests were viséed for 45,662 pieces of freight, amounting to 3,801 tons.

Emigrants were examined as follows: Per steamship *Manchuria* for Honolulu, passed 10, recommended for rejection 10; for San Francisco, passed 6, recommended for rejection, 4; per steamship *Kaga Maru* for Seattle, passed 12, recommended for rejection 5. The emigrants passed, together with 11 intending passengers to Victoria, by the steamship *Kaga Maru* were inspected, bathed, and disinfected, and their effects were disinfected before embarkation.

Report from Nagasaki—Examination of emigrants.

Acting Sanitary Inspector Thompson reports, March 13:
Two emigrants per steamship *Chito Maru* for Honolulu recommended for rejection.

MEXICO.

Inspection of localities on the line of the Mexican International Railroad for smallpox.

Acting Assistant Surgeon Hume, at Laredo, Tex., was directed by the bureau, March 29, to investigate smallpox on the line of the Mexican International Railroad. He reports April 7:

I left Eagle Pass March 30 and proceeded to Sabinas, Mexico, where I found 1 case of smallpox quarantined at a safe distance from the town. This case was thoroughly isolated and convalescing. Sabinas has had some 10 cases of smallpox.

Conditions at San Juan de Sabinas, which is situated 5 miles from Sabinas and off the line of railroad, were found to be good. Three cases of smallpox were found at Rosita, which is a large mining camp, also removed from the railway line. The camp was thoroughly examined.

All cases are removed to a camp where the patients are isolated. Quarters are burned after the death or convalescence of the diseased individuals, and all cats and dogs which might have been exposed to the disease are killed.

No smallpox was found at dwellings between Rosita and Encino Solo. April 3 inspected Cloaty's mine and Aguajita.

Report from Coatzacoalcos—Inspection of vessels.

Acting Assistant Surgeon Thompson reports, April 2:
Week ended March 31. Bills of health issued to 3 vessels bound for the United States.

No cases of quarantinable disease were reported during the week.

NICARAGUA.

Report from Bluefields, fruit port—Sanitary conditions.

Acting Assistant Surgeon Layton reports, April 1:

The general health conditions in the vicinity of Bluefields appear to be good. Malarial fever is the prevailing disease, both in the town and in the surrounding country. Mosquitoes are noticeably few. The *Stegomyia calopus* apparently is entirely absent. The dry season has already lasted nearly 4 weeks. The parched condition of the soil, the absence of breeding places, and the numerous empty cisterns throughout the town account for the few mosquitoes present. A drinking-water famine is imminent, and unless rain falls shortly water for all other purposes will have to be carried from a distance and from sources not to be relied upon.

According to the official estimate, the population of Bluefields decreased since last November from 3,500 to 2,500—a loss of a thousand inhabitants in less than half a year. Diseases and death have

not, however, been responsible for the rapid depopulation. The exodus began in February last.

The quarantine season for this year went into effect this morning.

PHILIPPINE ISLANDS.

Report from Manila—Smallpox—Status of cholera in the provinces—Quarantine modified on account of improved conditions—Smallpox on steamship Indrapura—Inspection of vessels.

Chief Quarantine Officer Heiser reports, March 2:

Week ended February 27, five cases of smallpox reported for the city of Manila.

Cholera cases and deaths in the provinces reported to the bureau of health during the week.

Province.	Cases.	Deaths.	Province.	Cases.	Deaths.
Bohol.....	33	25	Samar.....	5	2
Capiz.....	6	4	Total.....	48	34
Pampanga.....	2	2			
Bulacan.....	2	1			

Cholera conditions.—A few isolated cases of cholera continue to be reported from the provinces of Cagayan, Pampanga, Laguna, and Capiz, but the disease shows no tendency to spread. In view of the fact that the province of Capiz is the only maritime province among those affected, it has been deemed advisable to lift the greater portion of the quarantine restrictions which were necessary on account of the outbreak of cholera, and to resume the status which obtained at the time the cholera made its reappearance.

Smallpox.—Smallpox continues to be reported from many sections of the Philippines, including a few scattering cases in the city of Manila. An analysis made of the cases shows that these are almost entirely confined to children under 6 years of age, and that the majority of them show no signs of ever having been vaccinated.

Smallpox on board the steamship Indrapura.—The steamship *Indrapura* arrived at Manila February 20. Inspection of the passengers and crew revealed no quarantinable diseases and the vessel was given pratique in the usual manner. February 26 the master of the vessel requested that one of the crew be examined. This was done, and the man was found to be suffering with smallpox. The patient was transferred to the San Lazaro hospital of the bureau of health, all persons on board the vessel were promptly vaccinated, and the infected quarters were washed down with bichloride solution and fumigated with sulphur. The crew, with dunnage and other textiles, were sent to the Mariveles quarantine station for bathing and disinfection. The vessel is bound for New York after loading, but she will probably take on new crew, with the exception of the officers, at Singapore.

Consular bills of health issued at the port of Manila during the week: February 24 the British bark *Sawhill*, with 34 crew, in ballast, was granted a bill of health for Iloilo. February 27 the British steamship *Loongsang*, with 60 crew, was granted a supplemental bill of health for Iloilo.

RUSSIA.

Report from Libau—Status of cholera at St. Petersburg—Cholera at Saratov—Examination of emigrants.

Acting Assistant Surgeon De Forrest reports, March 27:

During the week ended March 26 there were 19 cases of cholera with 4 deaths at St. Petersburg. The first case of cholera at Saratov for the current year occurred March 21. No other cases were reported during the week. The steamship *Russia* sailed March 24 with crew and officers of 129, steerage passengers 1,033, cabin passengers 16, making a total of 1,178 persons on board. All passengers, including cabin passengers, had been in Libau 5 days or more.

FOREIGN AND INSULAR STATISTICAL REPORTS OF COUNTRIES AND CITIES—UNTABULATED.

ARGENTINA—*Rosario de Santa Fe*.—Month of January, 1909. Estimated population, 168,214. Total number of deaths, 380, including diphtheria 4, measles 7, enteric fever 11, scarlet fever 3, whooping cough 1, and 45 from tuberculosis.

BRAZIL—*Pernambuco*.—Month of February, 1909. Estimated population, 210,000. Total number of deaths, 270, including measles 1, smallpox 11, yellow fever 1, enteric fever 2, and 45 from tuberculosis.

São Paulo, Santos, and Campinas.—Two weeks ended February 21, 1909. Estimated population, 300,000. Total number of deaths, 358, including smallpox 6, measles 4, enteric fever 4, whooping cough 2, and 30 from tuberculosis.

CANADA—*Ontario—Hamilton*.—Month of March, 1909. Estimated population, 66,967. Total number of deaths, 98, including enteric fever 1, scarlet fever 2, diphtheria 1, and 3 from tuberculosis. Cases: Scarlet fever 26, enteric fever 3, diphtheria 16, measles 2, and whooping cough 6.

CUBA—*Matanzas*.—Four weeks ended March 20, 1909. Estimated population, 35,515. Total number of deaths, 78, including 17 from tuberculosis.

FRANCE—*St. Etienne*.—Two weeks ended March 15, 1909. Estimated population, 150,000. Total number of deaths, 158, including scarlet fever 3 and 24 from tuberculosis.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 76 great towns in England and Wales during the week ended March 20, 1909, correspond to an annual rate of 22.1 per 1,000 population, which is estimated at 16,445,281.

London.—Two thousand two hundred and twenty-five deaths were registered during the week, including measles 125, smallpox 1, scarlet fever 7, diphtheria 19, enteric fever 5, whooping cough 36, tuberculosis 177, and 16 from diarrhea. The deaths from all causes correspond to an annual rate of 22.7 per 1,000. In Greater London 3,070 deaths were registered. In the "outer ring" the deaths included 13

from measles, 3 from scarlet fever, 5 from diphtheria, and 3 from whooping cough.

Manchester.—Report for the four weeks ended February 27, 1909. Estimated population, 655,435. Total number of deaths, 1,104, corresponding to a weekly death rate of 22.0 per 1,000 of population, including measles 41, whooping cough 18, diphtheria 17, enteric fever 15, and 135 from tuberculosis.

Ireland.—The average annual death rate represented by the deaths registered during the week ended March 20, 1909, in the 21 principal town districts of Ireland was 26.1 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Galway, viz, 15.5, and the highest in Colomel, viz, 46.2 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended March 20, 1909, correspond to an annual rate of 21.1 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Greenock, viz, 26.0, and the lowest in Edinburgh, viz, 17.2 per 1,000. The aggregate number of deaths registered from all causes was 754, including diphtheria 12, measles 2, scarlet fever 6, enteric fever 4, and 51 from whooping cough.

GREECE—*Patras.*—Two weeks ended March 15, 1909. Estimated population, 40,000. Total number of deaths, 22, including 2 from tuberculosis.

ITALY—*Genoa.*—Six weeks ended March 15, 1909. Estimated population, 279,163. Total number of deaths, 1,335, including enteric fever 6, diphtheria 9, measles 71, scarlet fever 7, and 84 from tuberculosis.

Turin.—Month of November, 1908. Estimated population, 373,701. Total number of deaths, 449, including enteric fever 6, diphtheria 3, and 63 from tuberculosis.

JAPAN—*Formosa.*—Seven weeks ended March 13, 1909. Estimated population, 3,108,723. Total number of deaths, 200, including enteric fever 10, diphtheria 3, and 183 from plague.

MADAGASCAR—*Tamatave.*—Month of February, 1909. Estimated population, 7,086. Total number of deaths, 24; no deaths were reported from contagious diseases.

MALTA.—Four weeks ended March 13, 1909. Estimated population, 209,974. Total number of deaths, 347, including enteric fever 2, smallpox 1, diphtheria 1, and 16 from tuberculosis.

SPAIN—*Almeria.*—Month of February, 1909. Estimated population, 50,000. Total number of deaths, 135, including enteric fever 2, smallpox 2, whooping cough 2, and 10 from tuberculosis.

URUGUAY—*Montevideo.*—Month of January, 1909. Estimated population, 312,388. Total number of deaths, 395, including smallpox 1, measles 1, scarlet fever 11, diphtheria 2, enteric fever 2, and 50 from tuberculosis.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to April 16, 1909.

[Reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State and from other sources.]

[For reports received from June 26, 1908, to December 25, 1908, see PUBLIC HEALTH REPORTS for December 25, 1908.]

[NOTE.—In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo.....	Nov. 15-Dec. 5.....	12	10	
China:				
Hongkong.....	Dec. 28-Jan. 16.....	2	2	
India:				
Bombay.....	Dec. 9-Mar. 16.....		86	
Calcutta.....	Nov. 1-Mar. 6.....		301	
Madras.....	Nov. 14-Mar. 5.....		56	
Negapatam.....	Oct. 31-Feb. 12.....		11	
Rangoon.....	Nov. 8-Mar. 6.....		54	
Indo-China—Cholen.....	Nov. 9-15.....	1	1	
Persia:				
Tabriz.....	Oct. 9-Dec. 28.....	1,003	500	
Philippine Islands:				
Manila.....	Nov. 1-Jan. 2.....	84	56	Third quarter, 1908, 673 cases and 458 deaths.
Provinces.....				Third quarter, 1908, 17,619 cases and 11,115 deaths.
Antique.....	Nov. 1-Jan. 16.....	260	163	
Bataan.....	Nov. 1-7.....	1	1	
Bohol.....	Dec. 20-Feb. 27.....	225	144	
Bulacan.....	Nov. 1-Feb. 27.....	82	71	
Cagayan.....	Nov. 1-Jan. 16.....	114	67	
Capiz.....	Nov. 1-Feb. 27.....	1,350	762	
Cavite.....	Nov. 1-Feb. 20.....	110	81	
Cebu.....	Dec. 20-Feb. 6.....	21	15	
Ilocos Norte.....	Nov. 1-Jan. 16.....	335	235	
Ilocos Sur.....	Nov. 1-Jan. 2.....	207	140	
Iloilo.....	Nov. 1-Jan. 16.....	293	154	
Isabela.....	Jan. 24-30.....	2		
La Laguna.....	Nov. 1-Feb. 20.....	117	79	
Leyte.....	Nov. 1-Jan. 30.....	155	124	
Negros Occidental.....	Nov. 1-Jan. 16.....	272	175	
Nueva Ecija.....	Feb. 14-20.....	1	1	
Palawan.....	Nov. 1-Dec. 19.....	10	5	
Pampanga.....	Nov. 1-Feb. 27.....	72	48	
Rizal.....	Nov. 1-Feb. 20.....	246	216	
Samar.....	Nov. 1-Feb. 27.....	170	111	
Sorsogon.....	Jan. 10-Feb. 20.....	98	64	
Surigao.....	Nov. 15-Jan. 12.....	7	4	
Union.....	Nov. 1-Jan. 12.....	12	8	
Zambales.....	Dec. 6-12.....	3	3	
Russia, general.....	Nov. 15-Mar. 20.....	4,255	1,770	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schusska, Dnjepprowsk (Simferopol), Bijsk, Smejnogorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akrolinsk.....	Nov. 15-Jan. 23.....	34	13	
Bakoo.....	Nov. 22-28.....	3	2	
Batoom.....	Nov. 15-21.....	4	2	
Charkov.....	Dec. 6-Mar. 13.....	6	1	
Cronstadt.....	Nov. 15-Jan. 16.....	3	1	
Don, territory of.....	Nov. 15-Mar. 6.....	190	97	
Ekaterinislav.....	Nov. 15-Dec. 26.....	27	11	
Eriwan.....	Dec. 1-31.....	28	21	
Helsingfors.....	Jan. 10.....	2	1	In vicinity.
Jaroslav.....	Feb. 7-Mar. 20.....	63	28	
Kherson.....	Nov. 15-Dec. 19.....	2		
Kief.....	Nov. 15-Dec. 12.....	11	1	
Kooban.....	Nov. 15-Jan. 2.....	139	76	
Kostroma.....	Dec. 6-12.....	1		
Livonia.....	Nov. 15-21.....	2	1	
Moscow district.....	Dec. 6-Jan. 30.....	8	8	Including Brownitza.
Moscow.....	Jan. 17-23.....	1	1	Imported.
Odessa.....	Nov. 29-Dec. 12.....	2	2	
Olonets.....	Nov. 21-28.....	1	1	
Poltava.....	Nov. 29-Dec. 5.....	3		
Romanov-Borisogleysk.....	Mar. 10.....			Present.
Rybinsk.....	Mar. 13.....	7		
Samara gov't dist.....	Nov. 29-Dec. 5.....	7	7	
Samarcand.....	Dec. 6-12.....	10	7	In vicinity.
Saratov.....	Nov. 15-Dec. 12.....	11	6	Mar. 21, 1 case.
Sempalatinsk, territory of.....	Dec. 19-26.....	1		
Stavropol.....	Nov. 15-21.....	1		
St. Petersburg, government.....	Nov. 15-Mar. 19.....	35		
St. Petersburg.....	Nov. 29-Mar. 20.....	2,242	700	Mar. 26, still present.
Tambov.....	Nov. 15-Dec. 12.....	16	8	

Cholera, yellow fever, plague, smallpox, etc.—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Moscow district—Continued.				
Tavride.....	Nov. 15-Dec. 19...	9	5	
Terek, territory of.....	Nov. 15-Dec. 19...	99	62	
Tiflis.....	Nov. 15-21.....	9	4	
Tomsk.....	Nov. 15-Jan. 23.....	102	48	
Toula.....	Feb. 21-Mar. 6.....	7	2	
Tver, district.....	Nov. 15-Dec. 5.....	4	-----	
Volgoda.....	Dec. 6-12.....	1	-----	
Yelisavetpol.....	Nov. 26-Dec. 5.....	5	10	
Siam:				
Bangkok.....	Nov. 1-Dec. 5.....	1	-----	
Straits Settlements:				
Penang.....	Feb. 27.....	1	-----	
Singapore.....	Nov. 8-Feb. 27.....	-----	165	From s. s. Sunki Maru.

YELLOW FEVER.

Barbados, general.....	Dec. 12-Mar. 27.....	57	19	Including the parishes of St. Andrew, St. Lucy, St. Michael, and St. Joseph.	
Bridgetown.....	Dec. 12-Mar. 20.....	11	-----		
Speightstown.....	Mar. 7.....	1	-----		
Brazil:					
Bahia.....	Nov. 15-Feb. 27.....	119	40		
Manaos.....	Nov. 29-Feb. 27.....	-----	11		
Para.....	Nov. 22-Mar. 20.....	-----	50		
Pernambuco.....	Nov. 15-Feb. 15.....	-----	2		
Colombia:					
Cartagena.....	Jan. 8-14.....	1	1		
Cuba:					
Oriente Province— San Luis.....	Jan. 1-2.....	2	1	These cases were removed Dec. 28 and 29, respectively, to Santiago, where 1 case died Dec. 31	
Curaçao.....	Jan. 15.....	1	-----		
Dutch Guiana:					
Paramaribo.....	Dec. 1-Jan. 27.....	32	8		
Ecuador:					
Guayaquil.....	Nov. 29-Mar. 13.....	-----	52		
Martinique:					
Port de France.....	Dec. 13-Mar. 6.....	5	1		
Mexico:					
Itzincal plantation.....	Dec. 6-12.....	2	2	Aug. 22-Dec. 18, 5 cases not previously reported.	
Maxcanu.....	Dec. 6-Jan. 23.....	5	4		
Merida.....	Dec. 6-Mar. 6.....	15	8		
San Bernardo plantation.....	Dec. 27-Mar. 20.....	7	4		
Sodzil plantation.....	Dec. 13-Jan. 2.....	7	5		
Ticul.....	Feb. 1-Mar. 6.....	2	1		
Veracruz.....	Dec. 6-Feb. 13.....	13	6		
Trinidad:					
Port of Spain.....	Jan. 20.....	-----	1		

PLAGUE.

Azores:				
Terceira.....	Feb. 1-28.....	15	5	
Australia:				
Brisbane.....	Nov. 1-7.....	1	1	
Brazil:				
Bahia.....	Nov. 15-Feb. 27.....	51	26	
Para.....	Jan. 24-Feb. 6.....	-----	2	
Pernambuco.....	Nov. 1-Dec. 31.....	-----	10	
Rio de Janeiro.....	Nov. 16-Mar. 7.....	73	36	
Chile:				
Antofagasta.....	Feb. 28.....	15	-----	
Arica.....	Mar. 9.....	-----	-----	Present.
Iquique.....	Nov. 22-Mar. 8.....	48	16	Mar. 8, 13 cases in the lazaretto.
Magillones.....	Mar. 9-10.....	70	-----	
Taltal.....	Feb. 11.....	-----	-----	Present.
China:				
Amoy.....	Mar. 16.....	-----	-----	Do.
Hankau.....	Nov. 30-Dec. 5.....	1	1	On river boat Loongwo.
Hongkong.....	Nov. 8-Feb. 27.....	8	7	
Tamchou.....	Dec. 19.....	-----	-----	Vicinity of Hainan; present.
Tientsin.....	Oct. 18-Nov. 21.....	-----	-----	Feb. 16, again present.
Tongshan.....	Nov. 1-14.....	-----	-----	Present.

Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ecuador:				
Babahoyo.....	Jan. 16.....	3		
Guayaquil.....	Nov. 29—Mar. 13.....		59	
Milagro.....	Nov. 17—Jan. 18.....	18	8	
Nissag.....	Jan. 16.....	7		
Tolte.....	Dec. 25—Jan. 17.....	30	20	
Egypt:				
Alexandria.....	Nov. 14—Jan. 20.....	4		
Port Said.....	Dec. 4.....	1		
Suakim.....	Feb. 1.....	1		On ss. Huriet II.
Provinces—				
Assiout.....	Dec. 2—Mar. 17.....	15	13	
Beherach.....	Nov. 24—Dec. 26.....	11	6	
Dakakleeh.....	Feb. 4—Mar. 18.....	5	5	
Galyoobeeyeh.....	Nov. 21—Feb. 2.....	3		
Garbieh.....	Nov. 27—Jan. 28.....	4	2	
Girgeh.....	Oct. 18—Mar. 14.....	8	8	
Fayoum.....	Nov. 23—Dec. 1.....	1	1	
Menouf.....	Nov. 27—Jan. 17.....	155	35	
Minieh.....	Nov. 25—Feb. 9.....	5	4	
German East Africa:				
Dar-es-Salaam.....	Oct. 0—Jan. 7.....	7	5	
India:				
Bombay Presidency and Sind.....	Nov. 2—Feb. 6.....	13,730	9,692	
Madras Presidency.....	Nov. 2—Feb. 6.....	881	636	
Bengal.....	Nov. 2—Feb. 6.....	2,321	1,948	
United Provinces.....	Nov. 2—Feb. 6.....	2,819	2,334	
Punjab.....	Nov. 2—Feb. 6.....	7,078	5,951	
Burma.....	Nov. 2—Feb. 6.....	2,790	2,651	
Central provinces, including Berar.....	Nov. 2—Feb. 6.....	2,931	2,243	
Coorg.....	Nov. 2—Dec. 17.....	5	3	
Mysore State.....	Nov. 2—Feb. 6.....	2,249	1,596	
Hyderabad State.....	Nov. 2—Feb. 6.....	507	416	
Central India.....	Nov. 2—Feb. 6.....	634	495	
Rajputana.....	Nov. 2—Feb. 6.....	1,437	1,405	
Grand total.....		37,382	29,370	
Indo-China:				
Cholen.....	Oct. 25—Dec. 19.....	12	11	Including Chuquan.
Saigon.....	Oct. 25—Feb. 27.....	18	17	
Japan:				
Formosa.....	Nov. 8—Mar. 13.....	262	207	Mainly in the central part.
Kagi, prefecture.....	Jan. 16.....	5		
Hio-go.....	Feb. 6.....	1		Year 1908, 219 cases additional.
Kagoshima.....	Jan. 20—Mar. 6.....	4	3	From ss. Shinkochi Maru.
Kobe.....	Jan. 20—Mar. 6.....	4	3	3 cases from ss. Ghazee.
Nara.....	Jan. 6.....	1		Year 1908, 2 cases additional.
Nishinomiya.....	Jan. 6.....	1		Year 1908, 53 cases.
Osaka.....	Dec. 22—Jan. 29.....	3	1	Year 1908, 59 cases additional.
				Case Jan. 29, on ss. Shinkochi Maru.
Yura.....		116	83	Year 1908.
Mauritius	Oct. 2—Jan. 14.....		106	
Peru:				
Arequipa, general.....	Feb. 19—25.....	3	1	
Mollendo.....	Nov. 1—Feb. 18.....	1	5	
Cajamarca, general.....	Feb. 19—Mar. 4.....	16	5	
Cascas.....	Feb. 12—18.....	12	5	
Chota.....	Jan. 22—Feb. 18.....	8	8	
Callao, general.....	Feb. 19—Mar. 4.....	2		
Callao.....	Nov. 13—Feb. 18.....	26	11	
Lambayeque, general.....	Feb. 19—Mar. 4.....	6	5	
Chiclayo.....	Nov. 13—Feb. 18.....	44	23	
Eten.....	Nov. 13—Dec. 31.....	11	10	
Jayanca.....	Feb. 4.....	12		
Lambayeque.....	Feb. 18.....	12		
Motupe.....	Dec. 17—Jan. 14.....	2		
San Jose.....	Nov. 13—Dec. 3.....	2		
Zaña.....	Jan. 14—Feb. 18.....	4	2	
Libertad, general.....	Feb. 19—Mar. 4.....	22	8	
Casma.....	Feb. 4.....	1	1	
Chepen.....	Nov. 27—Feb. 18.....	19	6	
San Pedro.....	Nov. 13—Feb. 18.....	28	21	
Trujillo.....	Nov. 13—18.....	153	70	
Lima, general.....	Feb. 19—Mar. 4.....	13	3	
Chorrillos.....	Jan. 22—Feb. 4.....	2	2	
Lima.....	Nov. 13—Feb. 18.....	50	19	
Huaro-chiri, Matucana, Surco.....	Feb. 4.....	15		

Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru—Continued.				
Piura, general	Feb. 19—Mar. 4	2	1	
Catacaos	Dec. 11—Feb. 18	7	1	
Paita	Dec. 11—17	3	2	
Piura	Dec. 11—Jan. 14	6	4	
Siam:				
Bangkok	Sept. 27—Dec. 26	12	6	Present in November.
Straits Settlements:				
Singapore	Nov. 30—Dec. 5	1		
Turkey in Asia:				
Bagdad	Nov. 6—Feb. 5	14	7	
Beirut	Dec. 17—Jan. 9	5	5	
Jiddah	Dec. 12—Mar. 21	144	128	
Zanzibar	Nov. 10	1	1	

SMALLPOX.

Algeria:				
Algiers	Dec. 1—Feb. 28		78	Imported.
Bone	Jan. 1—Feb. 28	39	22	
Arabia:				
Aden	Nov. 25—Feb. 22		74	
Argentina:				
Buenos Aires	Oct. 1—Dec. 31		2	
Australia:				
New South Wales— Newcastle	Nov. 1—30	1		
Austria:				
Bohemia	Feb. 7—13	7		
Galicia	Dec. 20—Jan. 23	8		
Silesia	Jan. 3—Mar. 20	2		
Brazil:				
Bahia	Nov. 15—Feb. 27	293	22	
Para	Feb. 14—27	2	1	
Pernambuco	Nov. 1—Feb. 15		108	
Rio de Janeiro	Nov. 16—Mar. 6	1,310	647	
Santos	Nov. 1—Dec. 20		10	
São Paulo	Nov. 1—Feb. 21		57	
British Honduras:				
Stann Creek	Feb. 5—Mar. 10	6	1	32 miles south of Belize.
British South Africa:				
Cape Town	Dec. 28—Jan. 2	4		
Canada:				
British Columbia— Vancouver	Dec. 1—Feb. 28	4		
Victoria	Dec. 12—Feb. 28	28	4	
Manitoba— Winnipeg	Dec. 20—Jan. 20	6		
Ontario, Province, general	Dec. 1—31	118		
Hamilton	Jan. 17—23	1		
Toronto	Nov. 8—28	7		
Nova Scotia— Halifax	Dec. 13—Apr. 3	70		
Tusketwedge	Feb. 13	1		
Yarmouth	Dec. 1—Mar. 27	29		Revised.
Quebec— Montreal	Dec. 26—Jan. 2	1		
Ceylon:				
Colombo	Nov. 1—Feb. 13	93	22	
Chile:				
Concepcion	Jan. 15—31	1		
Talcahuana	Nov. 20—Jan. 28			Present in vicinity.
Valparaiso	Dec. 6—19	2		
China:				
Amoy	Oct. 11—Nov. 8		2	Dec. 19, still present.
Hongkong	Jan. 3—30	4	2	
Shanghai	Nov. 11—Mar. 7	5	5	3 cases Nov. 11—Dec. 28 from U. S. transport Seward.
Tientsin	Jan. 17—Feb. 27	10	2	
Cuba:				
Cienfuegos	Mar. 6	1		
Habana	Dec. 26—Apr. 3	5		Case Dec. 26 on s. s. Florida, case Jan. 19 on s. s. Alfonso XIII, case Mar. 25 on s. s. Monterey, case Apr. 3 on s. s. La Navarre.
Ecuador:				
Guamote	Jan. 16			Present.
Manglar Alto	Jan. 17			Epidemic.

Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Egypt, general	Nov. 12-Feb. 25	737	164	
Alexandria	Nov. 26-Feb. 28	42	26	
Cairo	Nov. 19-Feb. 25	357	157	
France:				
Marseille	Dec. 1-Jan. 31		2	
Nice	Jan. 1-31	1		
Paris	Nov. 22-Mar. 20	49	2	
Toulon	Jan. 1-31	1		
Germany, general	Nov. 19-Mar. 27	46		
Bremen	Jan. 16-23	2		
Breslau	Dec. 20-26	1		
Brunswick	Feb. 16-20	1		
Hamburg	Mar. 13	2		Among Russian emigrants.
Königsberg	Jan. 9	1		
Greece:				
Athens	Nov. 22-Mar. 6		5	
Patras	Dec. 16-31	1	1	
Great Britain:				
Bristol	Dec. 13-Mar. 27	23	6	
London	Feb. 1-6	1		
Guatemala:				
Guatemala City	Dec. 21	600	200	Estimated, 2,800 cases; 840 deaths. Feb. 11, still present.
India:				
Bombay	Nov. 25-Mar. 16		159	
Calcutta	Nov. 1-Mar. 6		1,603	
Madras	Nov. 28-Mar. 12		16	
Rangoon	Nov. 22-Mar. 6		36	
Indo-China:				
Cholen	Nov. 15-Dec. 5	6	5	
Saigon	Nov. 1-Feb. 27	21	14	
Italy, general	Nov. 30-Mar. 21	193		
Catania	Feb. 28-Mar. 20	7		
Cinquefrondi	Jan. 15-21	13		
Florence	Nov. 24-Mar. 10	4		
Genoa	Dec. 1-Feb. 28	8		
Naples	Dec. 7-Mar. 21	325	59	Jan. 18, 1 case on s. s. Europa.
Palermo	Jan. 24-Mar. 6	11	2	
Polesella	Dec. 1			Epidemic.
Tatrinoli	Jan. 15-21	2		
Japan:				
Formosa	Nov. 29-Mar. 13	19		
Kobe	Feb. 14-Mar. 6	5	2	
Tokyo	May 8-Dec. 31	314		
Java:				
Batavia	Nov. 1-Feb. 27	55	4	
Malta	Nov. 22-Feb. 20	4	1	1 case Nov. 22 on vessel.
Manchuria:				
Dalny	Jan. 17-30	1	1	
Mexico:				
Acapulco	Jan. 11-31	12		
Acayucan	Mar. 17			Present.
Guadalajara	Jan. 7-Apr. 1		10	
Mexico City	Nov. 8-Feb. 20		129	
Monterey	Jan. 4-Apr. 4		19	
Rosita	Mar. 29	3		
Sabinas	Mar. 31	10		
Saltina Cruz	Jan. 1-15	5		
Tehuantepec	Jan. 28-Feb. 3			Do.
Veracruz	Dec. 13-Mar. 27	8	3	
Yucatan, Camp Mengel	Dec. 21	1		
Moluccas Islands:				
Netherlands, The:				
Rotterdam	Jan. 10-Mar. 27	1	1	
Newfoundland	Feb. 9-Mar. 20	2		Epidemic on south coast.
St. Johns	Jan. 10-Mar. 29	10		From s. s. Portia.
Norway:				
Bergen	Jan. 24-30		2	
Christiania	Nov. 22-28	1	1	
Paraguay:				
Asuncion	Dec. 20-26			Present.
Persia:				
Arabistan	Jan. 1-28			Do.
Dizfoul	Jan. 1-28			Do.
Hamadan	Oct. 2-Dec. 24	350	100	Estimated.
Kerman	Nov. 11			Present.
Kermanshah	Oct. 1-31			Do.
Mechedisser	Jan. 1-28			Do.
Mohammerah	Jan. 1-28			Do.
Sultanabad	Oct. 1-31			Do.

Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Persia—Continued.				
Tabriz.....	Oct. 2-8.....			Present.
Trebizond.....	Jan. 16.....			Do.
Teheran.....	Sept. 18-Oct. 28.....		17	
Peru:				
Lima.....	Nov. 22-Dec. 31.....	11		Feb. 27, 1 case in the lazaretto.
Salaverry.....	Nov. 19-25.....		1	
Philippine Islands:				
Manila.....	Nov. 1-Feb. 27.....	33	12	Feb. 26, 1 case on s. s. Indrapura. Third quarter, 1908, 84 cases, 38 deaths.
Porto Rico:				
Mayaguez.....	Dec. 20-Jan. 2.....	2		
Portugal:				
Lisbon.....	Nov. 30-Mar. 13.....	34		One case, Jan. 27, from s. s. Aragon.
Russia:				
Batoom.....	Dec. 1-31.....	1		
Moscow.....	Nov. 20-Mar. 20.....	307	114	
Odessa.....	Oct. 4-Mar. 20.....	66	12	
Reval.....	Jan. 1-31.....	1		
Riga.....	Nov. 29-Mar. 20.....	17		
St. Petersburg.....	Nov. 15-Mar. 13.....	122	35	
Warsaw.....	Nov. 1-Jan. 16.....		55	
Salvador:				
San Salvador.....	Feb. 6.....	3		
Santa Ana.....	Feb. 6.....	40		Present on routes to Guatemala.
Servia:				
Belgrade.....	Dec. 6-12.....	2		
Siam:				
Bangkok.....	Nov. 1-30.....			Present.
Siberia:				
Vladivostok.....	Dec. 14-Feb. 14.....	2		
Southeast Africa:				
Lourenco Marquez.....	Jan. 1-31.....	1	1	
Spain:				
Almeria.....	Jan. 1-Feb. 28.....		3	Apr. 1-Dec. 31, 1908, 9 cases.
Barcelona.....	Dec. 6-Mar. 29.....		48	
Cartagena.....	July 1-31.....		15	
Madrid.....	Nov. 1-Jan. 28.....		60	
Valencia.....	Nov. 29-Mar. 26.....	74	9	
Vigo.....	Nov. 30-Mar. 13.....		11	
Straits Settlements:				
Penang.....	Mar. 1-6.....	1		
Singapore.....	Dec. 28-Feb. 20.....		8	
Switzerland:				
Zurich.....	Feb. 21-27.....	3		
Tripoli:				
Tripoli.....	Feb. 13-Mar. 27.....	11	5	
Turkey in Asia:				
Adalia.....	Sept. 24-27.....		2	
Bagdad.....	Feb. 13.....			Present.
Bassorah.....	Jan. 3-Mar. 6.....			Do.
Smyrna.....	Oct. 7-Feb. 26.....		64	
Turkey in Europe:				
Constantinople.....	Dec. 7-Mar. 28.....		63	
Trebizond.....	Feb. 7-20.....			Do.
Uruguay:				
Montevideo.....	Dec. 1-Jan. 31.....		2	

Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Mar. 20	181,918	69									1		3
Aguascalientes	Mar. 28	40,000	43	2										
Aix la Chapelle	Mar. 6	159,574	57	3									4	1
Alexandria	Feb. 25	388,083	271	16				1		4		1	10	
Antwerp	Mar. 13	323,921	86	4							1		2	
Asuncion	Feb. 6	75,000	21	1						2				
Do	Feb. 13	75,000	20							1				
Athens	Mar. 13	241,058	95	15									3	2
Bahia	Feb. 20	265,000	96	9	1									
Do	Feb. 27	265,000	84	11	1		3	1						
Baracoa	Mar. 27	27,000	4											
Barcelona	Mar. 15	600,000	390	15				3		1		5	1	2
Do	Mar. 22	600,000	410	20				4		3		8	1	2
Belfast	Mar. 13	386,576	155	23									1	3
Belgrade	Mar. 8	80,000								1		1		
Belize	Mar. 25	9,113	1											
Bergen	Mar. 19	87,749	29	3								3	1	
Berlin	Mar. 6	2,118,429	638	94							13	9	16	7
Birmingham	Mar. 20	558,336	271									2	46	2
Bluefields	Mar. 27	2,500	1											
Bombay	Mar. 9	977,822	839	51	197			19		2			3	
Bremen	Mar. 20	234,566	57	8						1				
Bristol	do	377,642	149					1				1	3	4
Brussels	Mar. 12	704,975	239	26						2		1	1	1
Budapest	Mar. 13	804,200								3		2	1	1
Cairo	Feb. 25	701,806	382	24				17	7	3		3	1	
Calcutta	Feb. 27	847,796	837	27	36	40		332					2	
Ceiba	Mar. 27	61,500	2											
Cienfuegos	Mar. 20	37,000	15											
Chemnitz	Mar. 13	271,811	70	11										
Christiania	do	235,000	57							1				2
Coburg	do	23,491	10	1										
Cologne	do	468,386	195	19						1	7	11	3	
Colon	Mar. 21	16,000	10	2										
Copenhagen	Mar. 6	439,000	163	20						2		2	2	5
Dalny	do	34,174	18	1										
Denia	Mar. 20	12,431	6											
Dresden	Mar. 6	546,100	140	18						1	4	2	2	2
Do	Mar. 13	546,100	160	17						1	6	2	2	1
Dundee	Mar. 20	169,409	77								2	1		5
Durban	Feb. 27	60,972	12	1										
East London	do	49,253	6	1										
Edinburgh	Mar. 20	355,366	117	13						1	2			2
Erfurt	Mar. 13	107,712	48											
Fiume	Mar. 15	50,811	32	8										
Do	Mar. 21	50,811	29	7										
Flushing	Mar. 20	21,208	5											
Frontera	do	9,000	3											
Do	Mar. 27	9,000	7											
Geneva	Mar. 6	118,500	48							3				
Georgetown	do	56,000	58	3						1				
Do	Mar. 13	56,000	53	2										
Ghent	do	164,579	74	4						1	1	1		
Gibraltar	Mar. 21	36,830	5	1										
Glasgow	Mar. 26	872,021	366											
Gothenburg	Mar. 13	162,200	42	3						4	2	6		37
Greenock	Mar. 20	72,300	36							1		1		
Guadalajara	Mar. 25	125,000	96					5		1	2			1
Guayaquil	Mar. 13	75,000	86	12	6	10								2
Halifax	Feb. 20	40,787	14	2							1	2		
Do	Mar. 27	40,787	15	2						1				
Hamburg	Mar. 13	872,252	329	46						4	7	2		3
Do	Mar. 20	872,252	297	27						5	8	1		2
Hamilton	Mar. 29	20,206	4											
Havre	Mar. 6	132,430	71	10						1				1
Do	Mar. 13	132,430	66	11								1		
Hilo, Hawaii	do	3,500	2											
Do	Mar. 20	3,500	5	2										
Hull	do	275,552	114									6		1

* Reported out of date.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Kobe	Feb. 27	363,593	134									1		
Do	Mar. 6	363,593	173		1							1		
Do	Mar. 13	363,593	131							1		2		
Konigsberg	do	237,600	104	19				1						1
Lausanne	Mar. 6	60,000	24											
Leeds	Mar. 20	484,012	17							1		1		5
Leipzig	Mar. 13	537,686	157	22						1	2	3	1	2
Leith	Mar. 20	85,721	35	1										1
Libau	Mar. 1	90,000								1		2		
Liege	Mar. 13	176,166	69	5										
Lisbon	Feb. 27	406,869	222	31								5		1
Liverpool	Mar. 20	760,357	402	30					1		7	4	30	6
London	do	4,833,938	2,225	177				1		5	7	19	129	36
Lübeck	Mar. 13	97,000	27	3										
Lyon	Mar. 6	472,114	275	45								6		1
Do	Mar. 13	472,114	292	37							1	1	2	4
Madras	Mar. 5	509,346	382			2								
Magdeburg	Mar. 6	250,879	100	15				1				3		
Managua	do	22,278	13											1
Manaos	Mar. 13	54,000	29											
Manchester	Mar. 20	631,533	299	28							6	3	4	8
Mannheim	Mar. 6	179,000	40	7								1	3	3
Manzanillo	Mar. 27	1,700	2											
Mazatlan	Mar. 13	22,000	12											
Milan	Mar. 14	900,000	294	29							1	1	2	3
Moncton, New Brunswick.	Mar. 27	13,500	4											
Monterey	Mar. 28	100,000	64	4				4	4			3		1
Montreal	Mar. 27	378,856	140	17							2	3		
Moscow	Mar. 6	1,335,104	804	104				4	7	2	2	19	11	20
Do	Mar. 13	1,335,104	877	110				13	17	2	2	20	14	22
Munich	Mar. 6	566,000	258	37								4	3	7
Nagasaki	Mar. 7	175,938	48											
Newcastle-on-Tyne	Mar. 20	281,584	110									1	3	8
Niuchwang	Feb. 27	60,000	9											1
Do	Mar. 6	60,000	2											
Niagara Falls, Ont.	Mar. 7	10,000	5	1										
Do	Mar. 14	10,000	3											
Do	Mar. 21	10,000	3											
Do	Mar. 31	10,000	3											
Nottingham	Mar. 13	260,000	107									1	8	3
Nuevo Laredo	Mar. 27	8,000	3											
Nuremberg	Mar. 6	316,180	100	21							2	2	2	1
Odessa	Mar. 13	520,000	180	24						2	2	7	3	1
Ottawa	do	80,200	31											
Do	Mar. 20	80,200	29											
Do	Mar. 27	80,200	19											
Palermo	Mar. 6	330,000	158	6								1	1	
Do	Mar. 13	330,000	140	6							1	2	1	
Para	do	185,000	96	9										
Do	Mar. 20	185,000	104	10										
Paris	Mar. 13	2,726,394	1,225	255							4	3	5	7
Do	Mar. 20	2,726,394	1,113	224							15	2	6	5
Penang	Feb. 27	102,520	68	20								1		
Plymouth	Mar. 20	124,180	48										6	
Port Elizabeth	Mar. 6	32,959	6	1										
Port of Spain	Feb. 20	60,000	26	3										
Do	Feb. 27	60,000	44	8							2			
Do	Mar. 6	60,000	38	8							1			
Prague	do	229,577	130	37							2	1	1	
Do	Mar. 13	229,577	147	25							1	1		1
Progreso	Mar. 20	5,000	4											
Queenstown	do	7,684	8											
Rangoon	Feb. 27	252,155	227	5	17	7								
Rotterdam	Mar. 20	412,905	159					7						
Do	Mar. 27	412,905	137									1		
Saigon	Feb. 13	208,000						1						
St. John, N. B.	Mar. 27	40,711	15	1										
Do	Apr. 3	40,711	20	1										
St. Petersburg	Feb. 27	1,678,000	918	151		28		1		13	17	12	26	7
Do	Mar. 6	1,678,000	906	130		26		4	1	24	20	12	27	7

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Salford.....	Mar. 20	241,950	103								1	1	2	1
San Feliu de Guixols.....do	Mar. 13	11,094	10											
Santa Cruz de Teneriffe.....	Mar. 13	46,000	10	2										
Santiago de Cuba.....	Mar. 27	45,470	19	3										
Shanghai.....	Feb. 20	565,000	105	6				1						
Do.....	Feb. 27	565,000	132	16										
Singapore.....	Feb. 20	260,000	178	23		2		1		1				
Do.....	Feb. 27	260,000	161	30		1				1				
South Shields.....	Mar. 20	117,627	39	2		1								1
Stettin.....	Mar. 13	230,000	82	7							2		2	
Stockholm.....	Mar. 6	337,460	109	21							3			2
Sunderland.....	Mar. 20	159,137	65	6						1		1	18	
Tegucigalpa.....	Mar. 9	24,000	10											
Do.....	Mar. 16	24,000	3											
Tientsin.....	Feb. 13	1,000,000	6	1										
Do.....	Feb. 20	1,000,000	7	3										
Trieste.....	Mar. 13	215,250	114									2		
Valencia.....	Mar. 19	250,000	133	10				1		2				
Veracruz.....	Mar. 27	32,000	27	10				1						
Vevay.....	Mar. 6	14,500	3											
Victoria, B. C.....	Mar. 27	35,000	6											
West Hartlepool.....	Mar. 20	66,750	25											
Winnipeg.....	Mar. 27	118,000	38	2										
Yokohama.....	Mar. 8	378,884								1				
Do.....	Mar. 15	378,884									2		1	

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,

United States Public Health and Marine-Hospital Service.