

PUBLIC HEALTH REPORTS.

UNITED STATES.

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

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 17, 1909.

Sick inspected.....	4
Plague.....	0
Dead inspected.....	117
Plague.....	0
Necropsy held.....	1
Premises inspected.....	2, 127
Buildings condemned.....	7
Houses disinfected.....	110
Nuisances abated.....	280
<hr/>	
Rats found dead.....	36
Rats trapped.....	2, 388
<hr/>	
Total rats taken.....	2, 424
<hr/>	
Rats identified:	
Mus norvegicus.....	1, 695
Mus rattus.....	58
Mus musculus.....	641
Mus alexandrinus.....	13
<hr/>	
Total.....	2, 407
<hr/>	
Rats identified as to sex:	
Male.....	794
Female.....	922
<hr/>	
Total.....	1, 716
<hr/>	
Ground squirrels trapped.....	3
Gophers trapped.....	5
Rats examined bacteriologically.....	1, 474
Plague rats.....	0
Ground squirrels examined bacteriologically.....	3
Plague squirrels.....	0
Gophers examined bacteriologically.....	5
Plague gophers.....	0
Poisons placed.....	22, 492

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 April 10, 1909.

Dead inspected.....	17
Plague.....	0
Premises inspected.....	1,302
Nuisances abated.....	145
Premises cleaned.....	431
Garbage cans installed.....	136
Rats found dead.....	49
Rats trapped.....	506
Mice trapped.....	42
Rats identified:	
Mus norvegicus.....	540
Mus musculus.....	42
Mus rattus.....	12
Mus alexandrinus.....	3
Total.....	597
Rats examined bacteriologically.....	552
Plague rats.....	0
Mice examined bacteriologically.....	42
Plague mice.....	0
Poisons placed.....	23,680

POINT RICHMOND, CAL.

Week ended April 10.

Premises inspected.....	490
Nuisances abated.....	35
Rats found dead.....	14
Rats trapped.....	31
Rats examined bacteriologically.....	31
Plague rats.....	0
Poisons placed.....	7,000

ALAMEDA COUNTY, CAL.

Week ended April 10.

Dead inspected.....	47
Plague.....	0

CONTRA COSTA COUNTY, CAL.

Week ended April 10.

Dead inspected.....	3
Plague.....	0

Reports from Los Angeles, Cal.—Examination of animals for plague infection—Summary for period September 24, 1908, to April 12, 1909.

Passed Assistant Surgeon Stimson, plague laboratory, reports, April 14:

Animals examined in the laboratory in this city from April 5 to 12, inclusive:

Ground squirrels.....	43
Gray rats.....	577
Black rats.....	11
White rats.....	1

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

The total number of animals examined at this laboratory from September 24, 1908, to April 12, 1909, is 13,922, grouped as follows:

Ground squirrels.....	4,722
Gray rats.....	8,288
Black rats.....	564
Gambel pocket rats.....	125
Mice.....	96
White rats.....	69
Rabbits.....	32
Gophers.....	23
Skunks.....	2
Wild rat (undetermined).....	1

Reports from Seattle, Wash.—Plague-prevention work—Inspection and fumigation of vessels discontinued—Summary of transactions, March 1 to 15.

Passed Assistant Surgeon Glover reports, April 12 and 14:

SEATTLE, WASH.

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

Week ended April 10, 1909.

Rats received.....	813
Rats necropsied.....	802
Plague rats.....	0
Plague-infected rats to date.....	21

The fumigation and inspection of vessels was stopped on March 15, 1909. From March 1 to 15 there had been inspected 18 vessels: Fumigated, 8.

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

CALIFORNIA—*Stockton*.—Month of March, 1909. Estimated population, 23,000. Total number of deaths, 28, including 3 from tuberculosis. Cases: Diphtheria, 2; scarlet fever, 1; and tuberculosis, 3.

FLORIDA.—Report from the State board of health of communicable diseases for the two weeks ended April 17, 1909, shows as follows: Diphtheria: Fernandina 3, Jacksonville 4, West Tampa 2, St. Augustine, Miami, and Ocala each 1 case. Malaria: Jacksonville 17, Tampa 11, and Bartow, Daytona, Gainesville, Lake Butler, Ozona, Tallahassee, Quincy, Plant City, and Sanford, each 1 case. Tuberculosis: Jacksonville 8, Tampa 4, Daytona and Ybor City each 2 cases; Dade City, Gainesville, White Springs, Miami, Milton, Ocala, Plant City, and Tallahassee, each 1 case. Enteric fever: Jacksonville 5, Fivay and Ocala each 1 case.

NEW YORK—*Buffalo*.—Month of March, 1909. Estimated population, 410,000. Total number of deaths, 479, including diphtheria 6, scarlet fever 18, enteric fever 2, whooping cough 1, and 47 from tuberculosis.

Troy.—Month of March, 1909. Estimated population, 77,650. Total number of deaths, 130, including 17 from tuberculosis. Cases: Enteric fever 3, diphtheria 2, scarlet fever 7, measles 108, and tuberculosis 55.

Yonkers.—Month of March, 1909. Estimated population, 72,200. Total number of deaths, 95, including measles 1, and 15 from tuberculosis. Cases: Scarlet fever 46, diphtheria 16, measles 97, whooping cough 2, and pulmonary tuberculosis 21.

OHIO.—Annual report for the year 1907. Report covers an area with a population estimated at 3,537,781. Total number of deaths, 42,892, including enteric fever 1,053, smallpox 1, measles 165, scarlet fever 263, whooping cough 220, diphtheria 577, and 4,643 from tuberculosis.

The total number of deaths correspond to an annual death rate of 12.12 per 1,000 of population.

PENNSYLVANIA—Erie.—Annual report for the year 1908. Estimated population 67,000. Total number of deaths 991, corresponding to an annual death rate of 14.79 per 1,000 of population, including enteric fever 39, scarlet fever 9, whooping cough 7, diphtheria 15, and 80 from tuberculosis. Cases: Whooping cough 91, enteric fever 281, tuberculosis 228, scarlet fever 421, measles 24, and diphtheria 81.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 26, 1908, to April 30, 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:				
Autauga County.....	Feb. 27-Apr. 5....	11		
Prattville.....	Feb. 27-Apr. 5....	3		
Dallas County.....	Feb. 20-Apr. 12....	12		
Selma.....	Feb. 28-Apr. 12....	26		
Jefferson County—				
Birmingham.....	Mar. 1-31.....	10		
Mobile County—				
Mobile.....	Jan. 12-Apr. 17....	8		
Montgomery County—				
Montgomery.....	Mar. 13-Apr. 2....		2	
Tuscaloosa County.....		86		Year 1908.
Total for State.....		156	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		
California, general.....	Nov. 1-Feb. 28....		4	
Los Angeles.....	Dec. 6-Apr. 3....	19	1	
Oakland.....	Nov. 1-Apr. 19....	16		
Sacramento.....	Nov. 1-Mar. 27....	54		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
California—Continued.				
San Francisco.....	Dec. 13–Apr. 10.....	31.....		
Stockton.....	Nov. 1–30.....	12.....		
Total for State.....		132.....	5.....	
Colorado, general.....	July 1–Feb. 23.....	109.....		
District of Columbia:				
Washington.....	Dec. 28–Apr. 17.....	11.....		
Total for District.....		11.....		
Georgia:				
Bibb County—				
Macon.....	Mar. 14–Apr. 18.....	13.....		
Cobb County.....	Jan. 16–Feb. 7.....	8.....		
Paulding County.....	Jan. 16–Feb. 7.....	15.....		
Total for State.....		36.....		
Illinois:				
Alexander County—				
Cairo.....	Jan. 7–Feb. 27.....	211.....		
Thebes.....	Jan. 1–31.....	2.....		
Bureau County—				
Ladd.....	Nov. 1–30.....	4.....		
Christian County—				
Taylorsville.....	Aug. 1–Jan. 20.....	40.....		
Clinton County—				
Carlyle.....	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–Feb. 28.....	55.....		
Cuba.....	Jan. 1–31.....	1.....		
Lewiston.....	Jan. 1–31.....	6.....		
Jackson County—				
Murphysboro.....	Jan. 1–31.....	45.....	1.....	
Jasper County.....	Jan. 1–31.....			Present in Smallwood and South Muddy townships.
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–Apr. 17.....	8.....		
Lake County—				
Waukegan.....	Feb. 2–26.....	3.....		
McLean County—				
Bloomington.....	Jan. 1–31.....	5.....		
Macon County—				
Decatur.....	Jan. 1–31.....	8.....		
Macoupin County—				
Benld.....	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—				
Centralla.....	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.....		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.....		
Peoria County—				
Peoria.....	Dec. 20–Apr. 3.....	43.....		Present in Glasford and in Timber and Trivoli townships.

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Pulaski County.....	Jan. 1-31.....			Present in Pulaski.
Mounds.....	Jan. 1-31.....	3		
Mound 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.....		1		
Saline County—				
Eldorado.....	Jan. 1-31.....	1		
Sangamon County—				
Pawnee.....	Jan. 1-31.....	2		
Springfield.....	Mar. 20-Apr. 16.....	9		
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. 18.....	39		
Williamson County—				
Carterville.....	Jan. 1-31.....	2		
Johnston City.....	Jan. 1-31.....	1		
Marion.....	Jan. 1-31.....	6		
Total for State.....		728	1	
Indiana:				
Allen County.....	Dec. 1-31.....	1		
Fort Wayne.....	Jan. 10-Apr. 17.....	6		
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-Apr. 18.....	7		
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		
Tiptecanoe County.....	Oct. 1-Dec. 31.....	77		
Lafayette.....	Dec. 15-Apr. 19.....	63	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.....		364	1	
Iowa, general.				
Burlington.....	July 1-Sept. 30.....		2	
Cedar Rapids.....	Jan. 1-31.....	1		
Council Bluffs.....	Mar. 1-31.....	13		
Davenport.....	July 1-Apr. 12.....	33	2	
Dubuque.....	Apr. 12-18.....	1		
New Hampton.....	Oct. 1-Jan. 31.....	87	1	
	Feb. 26.....	8		
Total for State.....		143	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. 10.....	10		
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		
Waubesaunsee County.....	Jan. 1-31.....	3		
Wilson County.....	Nov. 1-30.....	5		
Wyandotte County—				
Kansas City.....	Jan. 3-Apr. 24.....	55		
Total for State.....		722	1	
Kentucky:				
Anderson County.....	Oct. 1-Jan. 20.....	200	1	Including Lawrenceburg.
Berea.....	Feb. 1-Apr. 2.....	20		
Covington.....	Dec. 29-Apr. 24.....	34		
Fulton.....	Feb. 1-Mar. 22.....	27		
Georgetown.....	Dec. 2-Mar. 4.....	31		
Henderson.....		7		Jan. 1-June 30, 1908.
Lexington.....	Dec. 28-Apr. 10.....	42		
Newport.....	July 1-Apr. 10.....	68	1	Jan. 1-June 30, 1908, 16 cases, 1 death.
Paducah.....	Jan. 24-Apr. 3.....	44		
Total for State.....		473	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. 17.....	34		Mainly imported.
Shreveport.....	Jan. 1-20.....	32	1	
Winnfield.....	Jan. 1-Mar. 24.....	33		And vicinity.
Total for State.....		138	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.	Date.	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 ^a				
Total for State.....		7	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. 10.....	15		
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.....		83		
Minnesota:				
Becker County.....	Dec. 7-13.....	1		
Benton County.....	Oct. 26-Nov. 2.....	1		
Brown County.....	Oct. 30-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-Apr. 10.....	95		
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. 22.....	14		
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.....		325		

^aOne case of smallpox, erroneously reported by local health officer, appeared in Public Health Reports, January 22 to April 23.

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. 17.....	28		
Springfield.....	Nov. 1-Feb. 28.....	3		
Total for State.....		68		
Montana:				
Beaverhead County.....	Feb. 1-28.....	2		
Carbon County.....	Feb. 1-28.....	1		
Cascade County.....	Nov. 1-Jan. 31.....	6		
Chouteau County.....	Jan. 1-Feb. 28.....	4		
Dawson County.....	Dec. 31-Jan. 31.....	20		
Fergus County.....	Dec. 31-Feb. 28.....	30		
Flathead County.....	Nov. 1-30.....	1		
Gallatin County.....	Nov. 1-Jan. 31.....	19		
Bozeman.....	Nov. 1-Feb. 28.....	19	1	
Granite County.....	Jan. 1-31.....	4		
Jefferson County.....	Nov. 1-30.....	4		
Madison County.....	Dec. 1-31.....	2		
Missoula County.....	Jan. 1-31.....	12		
Missoula.....	Jan. 1-Feb. 28.....	5		
Park County.....	Jan. 1-31.....	6		
Powell County.....	Jan. 1-Feb. 28.....	15		
Ravalli County.....	Nov. 1-Dec. 31.....	14		
Sanders County.....	Jan. 1-Feb. 28.....	11		
Silverbow County.....	Nov. 1-Feb. 28.....	14		
Butte.....	Mar. 16-Apr. 13.....	36		
Yellowstone County.....	Nov. 1-30.....	1		
Billings.....	Jan. 1-31.....	1		
Total for State.....		227	1	
Nebraska:				
Arlington.....	Jan. 25.....	1		
Lincoln.....	Nov. 1-Mar. 31.....	22		
South Omaha.....	Dec. 20-Apr. 10.....	14		
Total for State.....		37		
New Hampshire:				
Hinsdale.....	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. 24.....	14		
Hightstown.....	Mar. 3.....	1		
Lodi.....	Apr. 15.....	1		
New Brunswick.....	Mar. 7-Apr. 5.....	7		
Paterson.....	Mar. 16-Apr. 2.....	8		
Perth Amboy.....	Mar. 4-31.....	26		
Plainfield.....	Mar. 7-Apr. 10.....	6		
Woodbridge.....	Mar. 6-26.....	1		
Total for State.....		64		
New York, general.	Nov. 1-Feb. 28.....	201	1	Including Amsterdam, Bridgeport, Broome, Cicero, Gardner, and Middleburg. Year 1908.
Buffalo.....	Feb. 14-Mar. 20.....	4		
Mohawk Valley.....			1	
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.....		217	3	

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina:				
Ashe County.....	Jan. 1-31.....	7		
Bertie County.....	Nov. 1-30.....	1		
Camden County.....	Jan. 1-31.....	30		
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:				
Ward County.....	July 1-Feb. 19.....	168		
Sherwood.....	Jan. 12-Mar. 31.....	27		
	Jan. 12-Mar. 31.....	46		
Total for State.....		241		
Ohio, general:				
Ashtabula.....	June 14-Jan. 2.....	337		
Cincinnati.....	Apr. 11-17.....	3		
Cleveland.....	Dec. 12-Apr. 23.....	214	1	
Columbus.....	Feb. 28-Apr. 16.....	5		
	Dec. 26-Mar. 2.....	14		
Dayton.....	Jan. 24-Feb. 20.....	5		
Newark.....		3		
Tiffin.....	Jan. 3-23.....	2		
Total for State.....		583	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.....			
Philadelphia.....	Dec. 10-25.....	1		
Pittsburg.....	Dec. 13-19.....	1		
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		

Revised. 3 cases additional in Sept. and Oct.
Year 1908.

Present.
Imported.

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Tennessee:				
Fayette County.....	Dec. 1-Mar. 28.....	200		Including Greeneville.
Greene County.....	Jan. 2.....	103		
Knoxville.....	Dec. 28-Apr. 17.....	23		
Memphis.....	Jan. 1-Mar. 13.....	190	1	
Murfreesboro.....	Mar. 15-31.....	1		
Nashville.....	Dec. 20-Apr. 24.....	45		
Polk County.....	Jan. 22.....	30		
Total for State.....		592	1	
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		Year 1908.
Fort Worth.....		256		
Do.....	Feb. 1-Mar. 31.....	13		
Galveston.....	Mar. 6-Apr. 16.....	8		
Goliad County.....	Dec. 1-Jan. 20.....	25		Present.
Houston.....	Jan. 1-Mar. 27.....	9		
Laredo.....	Dec. 26-Mar. 19.....	6		
Monthalia.....	Oct. 1-Dec. 19.....			
Oak Forest.....	Oct. 1-Dec. 19.....			Do.
San Antonio.....	Dec. 13-Apr. 17.....	89		Do.
San Augustine County.....	Jan. 5.....			
Total for State.....		435	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-Mar. 31.....	334	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.....		740	1	
Vermont:				
Brattleboro.....	Dec. 5-Jan. 30.....	59		And vicinity.
Newfane.....	Jan. 11.....	8		
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. Imported. On tug E. W. Marts.
Lynchburg.....	Jan. 10-30.....	3		
Norfolk.....	Feb. 5-17.....	3		
Port Royal.....	Dec. 28-Jan. 14.....	3		
Richmond.....	Mar. 14-Apr. 10.....	2	1	
Total for State.....		12	1	Death in county hospital.
Washington:				
Bellingham.....	Jan. 25-Mar. 23.....	10		
Camas.....	Dec. 29-Mar. 8.....	18		
Seattle.....	Oct. 1-Feb. 28.....	18		
Spokane.....	Dec. 6-Apr. 10.....	18	1	
Tacoma.....	Dec. 14-Mar. 14.....	60		
Total for State.....		124	1	
West Virginia:				
Charleston.....	Jan. 1-31.....	1		Present in January.
Moundsville.....				
St. Albans.....	Feb. 16-Apr. 12.....	19		
Weston.....	Jan. 15-Feb. 13.....	1		
Total for State.....		21		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
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		
Kewaunee County.....	July 1-Sept. 30....	1		
La Crosse County—				
La Crosse.....	Dec. 13-Apr. 17....	47		
Manitowoc County—				
Manitowoc.....	Dec. 13-Feb. 27....	14		
Marathon County.....	July 1-Sept. 30....	2		
Milwaukee County—				
Milwaukee.....	Dec. 6-Apr. 17....	172		
Monroe County.....	July 1-Sept. 30....	12		
Outagamie County—				
Appleton.....	Mar. 6-Apr. 17....	3		
Ozaukee County.....	July 1-Sept. 30....	3		
Pierce County.....	July 1-Sept. 30....	4		
Polk County.....	July 1-Sept. 30....	1		
Racine County—				
Racine.....	Mar. 21-Apr. 10....	6		
Rusk County.....	July 1-Sept. 30....	3		
Sheboygan County.....	July 1-Sept. 30....	32		
Total for State.....		358		
Grand total for the United States.....		8, 209	29	

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

[For smallpox, see special table.]

Cities.	Week ended—	Popula- tion, United States census, 1900.	Total deaths from all causes.	Cases and deaths.												Whoop- ing cough.	
				Tuber- culosis.		Enteric fever.		Scarlet fever.		Diph- theria.		Measles.					
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa.	Apr. 17	38,973	20	6	1			2									
Ann Arbor, Mich.	do.	14,559	7							3	1	3			2		
Appleton, Wis.	Apr. 19	15,085	4	1						1							
Ashtabula, Ohio.	Apr. 17	12,949	4														
Baltimore, Md.	do.	508,957	243	20	28	5	2	7		12		159			2		3
Bath, Me.	do.	10,477						2									
Bayonne, N. J.	do.	32,722		7				1		5		6					
Beaver Falls, Pa.	do.	13,000				3						1					
Berkeley, Cal.	Apr. 10	13,214	11	1	3	1		1		1		4					
Biddeford, Me.	Apr. 17	16,145	2														
Biloxi, Miss.	do.	5,467	1														
Binghamton, N. Y.	do.	38,647	8		7												
Boston, Mass.	do.	560,892	244	51	22	6		57	4	49	4	68	4	14		2	
Braddock, Pa.	do.	15,654	5									1					
Bradford, Pa.	do.	15,029	5					3									
Bridgeport, Conn.	Apr. 8	70,996	20	4	1			7		6		9					
Do.	Apr. 14	70,996	28	1	7			6	1	3	2	5	1				
Bristol, R. I.	Apr. 17	6,628	4							2	1			3			
Brockton, Mass.	do.	40,063	12			2		2				87	1				
Butler, Pa.	Apr. 7	10,853	6					1									
Do.	Apr. 14	10,853	5	6								3					
Butte, Mont. c.	Mar. 30	30,470	10		3			12	2	1							
Do.	Apr. 13	30,470	8					4	1	2							
Cambridge, Mass.	Apr. 17	91,886	25	4	4			13		9		32		15			
Camden, N. J.	do.	75,935	37	1				10		4	1						

a Reported out of date.

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.	
Camden, S. C.	Apr. 17	2,441	1													
Carbondale, Pa.	do.	13,536	7	1	1			1		1				4		
Charlotte, N. C.	Apr. 16	15,091	11		1								13	1		
Chelsea, Mass.	Apr. 17	34,172	13					2					2			
Chicago, Ill.	do.	1,698,575	735	82	83	23	6	133	6	107	11	268	5	23		2
Chicopee, Mass.	do.	19,167	8													
Cincinnati, Ohio.	Apr. 16	325,902	116	26	13	1	1	7	1	4		13		4		1
Cleveland, Ohio.	do.	381,768	155	36	14	5	2	11		21	1	43	1	19		1
Clinton, Mass.	Apr. 17	13,667	5													
Columbus, Ga.	do.	17,614	5													
Columbus, Ohio.	do.	125,560	49	21	3	2		5				16				
Concord, N. H.	Apr. 10	19,632	16	1	1					2		71				
Covington, Ky.	Apr. 17	42,938	16		5					1						
Danville, Ill.	Apr. 11	16,534	5									1				
Do.	Apr. 18	16,534	9		4				2							
Davenport, Iowa.	do.	35,254		1	2			6		3						
Dayton, O.	Apr. 17	85,333	27		3					5		15				
Detroit, Mich.	do.	285,704	134													
Duluth, Minn.	Apr. 15	80,000	13					1	11	1	6	11				
Dunkirk, N. Y.	Apr. 17	11,616	7													
Elmira, N. Y.	do.	35,672	11		1		1	3				2				
El Paso, Tex.	Apr. 13	15,905	29		6	3		4				6				
Do.	Apr. 20	15,905	22	5	9			2				3		1		
Elkhart, Ind.	Apr. 17	15,184	9							1	1	1				
Erie, Pa.	do.	52,733	25	4	2					1	1	52	1	9		1
Evansville, Ind.	do.	59,007	25		2	3				2		1				
Everett, Mass.	do.	24,336	6					4		2						
Fall River, Mass.	do.	104,863	42	7	4	1		4		3		2				1
Fort Wayne, Ind.	Apr. 13	45,115	20		1		1	3		1				1		
Do.	Apr. 17	45,115	23		2			3		3						
Galesburg, Ill.	do.	18,617	3				3	1								
Galveston, Tex.	Apr. 9	37,789	9	1				1								
Do.	Apr. 16	37,789	11	1	1	6	1			2						
Glens Falls, N. Y.	Apr. 17	13,543	3													
Gloucester, Mass.	do.	26,121	3									12				
Grand Rapids, Mich.	do.	87,565	25	1	1	4		15	1	2		5		5		
Great Falls, Mont.	Apr. 10	14,930	7					8	1	4		2				
Do.	Apr. 17	14,930	6					13		6						
Greensboro, N. C.	do.	10,035	7													
Hammond, Ind.	do.	12,376	4									15				
Harrison, N. J.	do.	10,596	2	2				1		1						
Haverhill, Mass.	do.	37,175	15		1					2		1				
Hartford, Conn.	Apr. 11	79,850	24	1		1	1	6		2						
Hoboken, N. J.	Apr. 17	59,364						5	1	5	1	2				
Homestead, Pa.	Apr. 14	12,554	5		2							6				
Hyde Park, Mass.	Apr. 17	13,244	2													
Indianapolis, Ind.	Apr. 18	169,164	49	3	3		1	10	1	6		107	1			
Jacksonville, Fla.	Apr. 17	28,429	18		3	3		1	1			7				
Johnstown, Pa.	do.	35,936	20		2			11		2		1				
Kansas City, Kans.	do.	51,418		2	3	2		2	1	2		17				
Kansas City, Mo.	do.	163,752	59		4		1	18	1	5	1	14				
Kearny, N. J.	do.	10,896	5	3	4					2						
Kingston, N. Y.	do.	24,535	12		2											
Knoxville, Tenn.	do.	32,637	10	4	4							10				
La Crosse, Wis.	do.	28,895	5		1											
La Fayette, Ind.	Apr. 19	18,116	4							1		7				
Lancaster, Pa.	Apr. 17	41,459	14					4								
Lawrence, Mass.	do.	62,559	24	3	1	2		1		3	2	31	1			
Leavenworth, Kans.	Mar. 20	20,733	11	1	1											
Do.	Mar. 27	20,733	5													
Do.	Apr. 3	20,733	9			1										
Do.	Apr. 10	20,733	4							1		6				
Do.	Apr. 17	20,733	3									1				
Lebanon, Pa.	do.	17,628			1			2		1		5				
Lexington, Ky.	do.	26,369	9							2					3	
Los Angeles, Cal.	Apr. 10	102,479	59	33	9	5		20		4		1				
Lowell, Mass.	Apr. 17	94,969	39	8		1				3	1	1				
Lynchburg, Va.	do.	18,891						1							1	
Lynn, Mass.	Apr. 10	68,513	31		1			6		5		2				
Do.	Apr. 17	68,513	19		2	1		4		6	1					
Macon, Ga.	Apr. 18	22,746	5	1	1										5	
Malden, Mass.	Apr. 17	33,664	17	5	1			11		3		7	1			

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.
Manchester, N. H.	Apr. 17	56,987	24	2	2	1	1	1	1	1	1	2	1		
Manitowoc, Wis.	do.	11,786	5		1				1		2		1		
Mansfield, Ohio	do.	17,650							1						
Marinette, Wis.	do.	16,195	4						1						
Massillon, Ohio	Apr. 18	11,944	4							2					
Medford, Mass.	Apr. 17	18,244	6						5						
Melrose, Mass.	do.	12,962	6						2	1					
Milwaukee, Wis.	Apr. 10	285,315	117	18	10	5	5	24	1	13	2	56		8	
Do.	Apr. 17	285,315	105	22	12	3	1	19	3	16	6	81		3	
Minneapolis, Minn.	Apr. 3	202,718	75	14	13	4	1	14	1	31	3				
Do.	Apr. 10	202,718	72	9	5		2	11	1	13	1				
Mobile, Ala.	Mar. 13	38,469	19		3										
Do.	Apr. 10	38,469	22		3										
Do.	Apr. 17	38,469	24		5		1								
Montclair, N. J.	do.	13,962	9		1			1				8			
Montgomery, Ala.	Apr. 16	30,346	11		2										
Moline, Ill.	Apr. 18	17,248	7						1			12			
Morristown, N. J.	Apr. 17	13,000	6									4			
Mount Vernon, N. Y.	do.	21,228	7	13	1							12			
Muncie, Ind.	do.	20,942	2			1								1	
Nanticoke, Pa.	Apr. 18	12,616										28			
Nashville, Tenn.	Apr. 17	80,865	46	3	7										
Nebraska City, Nebr.	do.	7,200	3		1			1	1						
Newark, N. J.	do.	246,070	120	20	3	1	59	1	16	2					1
New Bedford, Mass.	do.	63,442	28	3	4		1		3	1					4
Newburyport, Mass.	do.	14,478	5	3											
New London, Conn.	do.	17,548	7			1								1	
New Orleans, La.	Apr. 10	278,104	121	26	9	11	3	97	3	6	1				
Do.	Apr. 17	278,104	134	14	21	4	1	110	1	12	1				2
Newport, Ky.	Mar. 27	28,301	17		2			1							
Do.	Apr. 3	28,301	8					1							
Do.	Apr. 10	28,301	9		1		1								
Newton, Mass.	Apr. 17	33,587	14					4		3	1	21			
New York, N. Y.	do.	3,431,202	1,705	601	201	17	3	379	23	316	41	1,224	45	63	8
Niagara Falls, N. Y.	do.	19,457	7		3	1		2		2	1				
Norristown, Pa.	do.	22,265	5			2						16		2	
North Adams, Mass.	do.	24,200	6					1				1			
Northampton, Mass.	do.	18,043	11					1				5			
Oakland, Cal.	Apr. 12	66,900	24	3		1		1	1	1	1	8	1		
Orange, N. J.	Apr. 17	24,141	13	2	1			5	1	2					
Paducah, Ky.	do.	19,446	9	7	3										
Passaic, N. J.	Apr. 16	27,777	24	1				2		1		15		2	
Peekskill, N. Y.	Apr. 17	10,358	6												
Pittsburg, Pa.	Apr. 10	321,616	160	52	8	10	4	15	3	2		14	2	35	1
Do.	Apr. 17	321,616	169	47	17	20	2	10	4	9	1	24	1	36	2
Pittsfield, Mass.	do.	21,766	14	1	1			2							
Plainfield, N. J.	Apr. 10	15,369	7	2	2			3							
Do.	Apr. 17	15,369	5	2											
Portsmouth, N. H.	do.	10,637								2	1				
Portsmouth, Va.	Apr. 20	17,427	9		1			1				1			
Pottstown, Pa.	Apr. 17	13,696	6			1									
Providence, R. I.	do.	175,597	73	9	9	1		7	1	6	1				
Racine, Wis.	do.	29,102	15		2			1	1						
Reading, Pa.	Apr. 19	78,961	34	1				2		2					
Richmond, Va.	Apr. 17	85,050	59	4	7	5						1			
Rockford, Ill.	Apr. 10	31,051						1		1					
Do.	Apr. 17	31,051						2							
Sacramento, Cal.	Apr. 10	29,282	12		2							4			
Saginaw, Mich.	do.	42,345	19	1	1	1	1	1							
St. Louis, Mo.	do.	575,238	224	69	21	5		27	2	37	6	380	7	4	
Do.	Apr. 17	575,238	239	53	27	3	1	23		33	5	481	5	4	
San Antonio, Tex.	do.	53,321				1						3			
San Francisco, Cal.	Apr. 10	342,782	101	25	18	1		11		18	3	28		6	
San Jose, Cal.	do.	21,500	7												
Seranton, Pa.	do.	29,282	41	1	2	1		6		3	1	20		4	
Do.	Apr. 17	29,282	40	1	4			6	1	6	1	21	1		
Shamokin, Pa.	do.	18,202	8	1	1	1		7				21			
Somerville, Mass.	Apr. 10	61,643	26	3	1	1		6	1	5	1	11	1		
Do.	Apr. 17	61,643	12	1				7		9		21			
South Bend, Ind.	do.	35,999	12	1	1			2	1	5					
S. Bethlehem, Pa.	do.	13,241	4	1		1		1				13	1	1	

a Reported out of date.

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

[illegible]

FOREIGN AND INSULAR.

CURRENT QUARANTINE MEASURES.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, March 31, 1901.]

CHOLERA.

RUSSIA.—March 21. The Don Territory declared free from cholera.

PLAGUE.

EGYPT.—March 18. Plague regulations in force against Calicut.

ALGERIA.

Deratization at Algiers—Rat fleas.

The following is taken from the *Bulletin Bimensuelle*, Algiers, March 31:

Algiers.—March 16–31: Rodents taken by the maritime sanitary service, 556; examined by the laboratory of health, 114; result, negative. Classification of rats: *Mus norvegicus*, 384; *Mus rattus*, 86; *Mus musculus*, 86. Rat fleas determined—*Pulex cheopis* on *Mus decumanus* 29, on *Mus rattus* 10; *Ctenophysylla musculi* on *Mus decumanus*, 15; *Ceratophyllus* on *Mus decumanus*, 15.

AZORES.

Report from St. Michael—Plague on Island of Fayal.

Consul Creevey reports, April 1:

A telegram just received from Consular Agent Benarus, at Fayal, states: One new case of bubonic plague reported to-day.

BARBADOS.

Reports from Bridgetown—Inspection and fumigation of vessels—Status of yellow fever.

Acting Assistant Surgeon Urquhart reports, April 10:

Week ended April 10. Bills of health issued to 10 vessels. Of this number, 2 were fumigated. Total number of passengers, 31; members of crews, 334.

Three new cases of yellow fever were reported during the week, all in the country and all negroes.

Consul Martin reports, April 3 and 10:

Since report of March 27, 3 cases of yellow fever have been reported, 1 each in the parishes of St. Thomas, St. Johns, and

St. Lucy. Two of these cases were fatal. The last case was isolated March 31. The health of the city of Bridgetown and vicinity is excellent.

April 10, 3 more cases of yellow fever have been reported, 2 in the parish of St. Lucy, at the extreme north of the island, and 1 in the parish of St. Michael, in which the city of Bridgetown is situated. The last case was isolated April 8.

BRAZIL.

Report from Rio de Janeiro—Inspection of vessels—Plague and smallpox.

Acting Assistant Surgeon Stewart reports, March 28:

Two weeks ended March 28. Vessels inspected and issued bills of health: March 17, the British steamship *Bosetti*, for New York, in cargo of coffee, with no cabin passengers, 7 steerage passengers, and no change in the crew personnel; March 18, the British steamship *Verdi*, for New York, with cargo of coffee, 12 cabin passengers, and 1 new member of the crew signed on in this port; March 19, the British steamship *Susquehanna*, for New Orleans, with coffee, no passengers and no change in the personnel, and the British steamship *Tocantins*, for the same port, with coffee, no passengers and no change in the personnel; March 23, the British steamship *Grecian Prince*, for New York, in coffee cargo, with 3 cabin passengers, and no change in the crew, and on the same date the Portuguese bark *Felix Berta*, for New Orleans, with ballast and no passengers and no change in the crew personnel. No other vessels left this port.

Mortality—Plague and smallpox.—Week ended March 21. Total deaths, 269. Smallpox caused 9 deaths with 17 new reported cases, and 1 case of plague was reported. At the close of the week there were in the Hospital São Sebastião 37 cases of smallpox and 4 of plague under treatment.

Week ended March 28. Total deaths, 229. One case of plague reported. Smallpox caused 7 deaths with 25 new reported cases, of which number 4 were reported from the suburbs. Cases in Hospital São Sebastião, variola 41 and plague 4.

CHINA.

Report from Amoy—Inspection of vessels—Leprosy, plague, and smallpox—Epidemic plague at Chang Poo—Plague present at Chin Chew.

Passed Assistant Surgeon Foster reports, March 13:

During the week ended March 13, bills of health were issued to 2 steamships.

The following quarantinable diseases are reported in Amoy: Leprosy, smallpox, and plague. The number of cases of plague is unknown, as no record of cases or deaths is made in Amoy.

Plague is epidemic in the city of Chang Poo, Fukien Province, and sporadic cases of plague are reported in Chin Chew, a city about 50 miles from Amoy.

Report from Hongkong—Quarantine restrictions—Plague and small-pox—Examination of emigrants—Inspection of vessels.

Acting Assistant Surgeon Hough reports, March 15:

Week ended March 6. Restrictions enforced by Hongkong remain as reported January 30.

Restrictions enforced against Hongkong remain as reported January 30.

Quarantinable disease: Plague, 3 cases, 2 deaths; smallpox, 3 cases, 1 death.

Aliens examined for Honolulu and Pacific coast ports: Examined, 294; rejected, 70.

Aliens examined for Philippine Islands: Examined, 3; rejected, 3.

Vessels inspected and granted bills of health, 9.

Report from Shanghai—Inspection of vessels—Plague-infected rats—Measures against infection of vessels by rats.

Acting Assistant Surgeon Ransom reports, March 16:

Week ended March 13. Supplemental bills of health granted to 2 steamships, with an aggregate personnel of 411. There were inspected 1 vessel, 57 members of crew, and 5 steerage passengers. There were also inspected 20 pieces of freight; 12 pieces (human hair) were disinfected with formalin. Manifests were viséed for 6,336 pieces of freight. Three emigrants for the United States per steamship *Chiyo Maru* were examined and passed; 2 were for San Francisco and 1 was for Honolulu. Seven pieces of baggage were inspected and passed and 2 pieces were disinfected.

The steamship *Ghazee* remained in this port 4 days, anchored in the stream. She was loaded from lighters during the entire 24 hours, rat guards being used on all lines.

The steamship *Chiyo Maru* remained in this port 56 hours, anchored at Woosung. She was loaded from lighters during daylight only. Inspection was held on the tender for the vessel at the hour of her sailing.

Infected rats continue to be found in practically all sections, particularly in the eastern district.

The precautions adopted by this office to prevent infection of vessels bound to American ports are being insisted upon, and to this end all vessels taking bills of health for American ports are required to remain in the stream while here and to use all possible measures to prevent rats gaining access to them.

Reports from Hankau show no cases or deaths from quarantinable disease reported during the week ended March 6.

CUBA.

Report from Habana—Inspection of vessels—Work of the mosquito brigade.

Passed Assistant Surgeon Amesse reports, April 19:

Week ended April 17.

Bills of health issued.....	21
Vessels inspected.....	16
Members of crews of outgoing vessels inspected.....	1, 126
Passengers of outgoing vessels inspected.....	1, 135

No quarantinable disease has been reported for this period.

The work of the mosquito brigade in Habana has been carried on during the winter. For the past 5 weeks the number of deposits of larvæ has not averaged more than 1 in 700 houses inspected. In the larger interior towns the proportion has been about 1 in 300, while in the villages, where the crusade has not been carried on vigorously, mosquitoes are rather numerous.

Report from Matanzas—Inspection of vessels—Death of leprosy case.

Acting Assistant Surgeon Nuñez reports, April 19:

Week ended April 17. Bills of health were issued to 5 vessels clearing for ports in the United States, having an aggregate number of 121 members of crews and no passengers. All were in good sanitary condition.

The case of leprosy mentioned in my previous report died during the week. The history of this case shows that it was 1 of the 3 cases formerly reported as authorized by the sanitary authorities to remain at home properly isolated. (See Public Health Reports, April 23, 1909, p. 533.)

No other quarantinable disease has been reported during the week.

Report from Santiago—Inspection of vessels—Fatal case of leprosy.

Acting Assistant Surgeon Wilson reports, April 13:

Week ended April 10. Bills of health issued to 2 vessels bound for the United States. No vessel fumigated.

No new case of quarantinable disease. The 3 cases of leprosy previously reported are still under treatment.

(See Public Health Reports, April 2, 1909, p. 422, and April 16, p. 497.)

GREAT BRITAIN.

Report from London—Fatal case of laboratory plague at the Institute of Preventive Medicine.

Consul-General Wynne transmits the following report from Consul Martin, under date of April 7, of a case of plague which occurred at the isolated laboratories of the London Institute of Preventive Medicine, situated at Elstree, Hertfordshire, 15 miles from London, the information having been furnished by the director of the institute.

The laboratories had been placed at the disposal of the Advisory Committee for the Investigation of Plague in India, and the patient was one of the scientific staff, engaged in experiments.

How the physician infected himself is unknown. February 1 he became feverish and had a shivering fit. During the next day the fever increased and he suffered from severe headache, but the real nature of his illness was not at first suspected. February 3 he developed pneumonia, and plague bacilli were discovered in his sputum. The pneumonic symptoms increased in severity and the degree of depression became profound. He died February 4.

GUATEMALA.

Report from Puerto Barrios, fruit port—Water supply—Stegomyia.

Acting Assistant Surgeon Ames reports as follows:

Week ended April 10, 1909. Present officially estimated population, 250. General sanitary condition of this port and the surrounding country during the week, very good. No quarantinable disease present.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
Apr. 7	Corinto.....	New Orleans.....	28	17	2	0
10	Frutera.....	New York via Republic of Panama.	29	5	0	0

Ships load at dock day and night. Length of dock, over 900 feet. Temperature taken of all persons on steamship *Corinto* day of sailing. Result, normal.

Water supply at Puerto Barrios.—Piped from a distance; supply is inadequate. Rain water stored in containers, some of which are properly screened, others open. Officials and others interested have promised the regular oiling of all water containers which are not screened. *Stegomyia calopus* present.

HAWAII.

Report from Honolulu—Examination of rats for plague infection.

Passed Assistant Surgeon Currie, in temporary charge, reports, April 5:

HONOLULU.

Week ended April 3.

Total rats taken.....	535
Trapped.....	535
Found dead.....	0
Examined bacteriologically.....	464
Plague infected.....	0
Classification of rats trapped:	
<i>Mus alexandrinus</i>	78
<i>Mus musculus</i>	206
<i>Mus norvegicus</i>	143
<i>Mus rattus</i>	108
Average number of traps set daily.....	1, 476
Number of poisons placed (barium carbonate).....	60

HONDURAS.

Reports from Ceiba, fruit port—Stegomyia calopus and Anopheles present—Sanitary measures not strictly enforced.

Acting Assistant Surgeon Jumel reports:

Week ended April 14. Present officially estimated population, 6,800. General sanitary condition of this port and the surrounding country during the week, good.

Stegomyia calopus present. Sanitary measures for local improvement not strictly enforced. Garbage carted out of town limits irregularly.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
Apr. 9	Colombia.....	18	4	0	0
10	Navigator.....	19	1	2	0
12	Kong Frode.....	18	0	2	0
14	John Wilson.....	17	2	0	0

NOTE.—Temperature of all persons on above-named vessels taken at time of clearance.

Sanitary conditions at Ceiba not satisfactory—Precautions against introduction of smallpox—Malarial fever.

Doctor Jumel further reports, April 14:

The following is a report on the health and sanitary conditions prevailing in Ceiba.

Since last season the local population has been increased several hundred, making the present estimated population to be about 6,800. This increase does not materially change the health status, so far as yellow fever is concerned, inasmuch as the majority of the new inhabitants represent negro immigrants from neighboring republics.

In general the sanitary conditions are poor. The streets are not kept clean, garbage is removed from city limits in a desultory fashion and, sometimes, not at all, and the surface well water is contaminated by juxtaposition to numerous underground water-closets. The fecal contamination of the well water is deplorable in that nearly all the natives depend upon this supply for drinking purposes.

The dry season, now obtaining, the liberal use of crude oil in cess-pools and water-closets, and the existence in town of few water tanks, screened or unscreened, accounts for the presence of so few *Stegomyia calopus* mosquitoes. *Anopheles* are numerous, but not nearly to the extent that they were last season.

Smallpox made its appearance during the early fall, but has been eliminated from the list of infectious diseases prevailing in the interior. Precautionary measures have been adopted and put into practice to prevent the introduction of this disease into Ceiba. Hundreds of people have been vaccinated in Ceiba and adjacent towns, and this important work goes on steadily.

Malaria is endemic here. The prevailing fevers are intermittent in character, with the tertian and quotidian types predominating. Remittent malaria is a rarity, and the quartan type not commonly observed. Tropical malaria, or double tertian, is seen occasionally. No malignant case of malarial fever has been observed during the interquarantine season. Dysentery, both simple and amebic, has prevailed for several months, and the latter has been the cause of not a few deaths.

Ceiba is at present free from all quarantinable disease.

Report from Puerto Cortez, fruit port—Smallpox in interior.

Acting Assistant Surgeon Ames reports as follows: Week ended April 14. Present officially estimated population, about 2,500. General sanitary condition of this port and the surrounding country, good. Smallpox reported in far interior.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
Apr. 7	Fjell.....	17		
9	John Wilson.....	18		
13	Bodo.....	18	3	
14	Utstein.....	16		
15	Viator.....	16		
14	Harry T. Inge.....	33	6	1

Report from Tela, fruit port.

Acting Assistant Surgeon Roe reports:

April 3 to 10. Present officially estimated population, about 1,500. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
Apr. 1	Viator.....	New Orleans.....	17	0	0
Apr. 7	Colombia.....	Mobile.....	19	0	0

INDIA.

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

Acting Assistant Surgeon Allan reports, March 25 and 31:

During the week ended March 20, a bill of health was issued to the steamship *Scharzfels*, bound for Boston and New York, with a total crew of 61; and to the steamship *Koranna*, bound for Boston and New York, with a total crew of 67. The usual precautions were taken: The holds fumigated; rat guards placed on the wharf lines; and the Asiatics' effects disinfected.

Week ended March 13. At Calcutta, 98 deaths from cholera, 85 from plague, and 264 from smallpox; in Bengal, 551 cases and 477 deaths from plague; in India, 5,797 cases and 4,593 deaths from plague.

Week ended March 20. At Calcutta, 101 deaths from cholera, 77 from plague, and 305 from smallpox. In Bengal, 612 cases of plague with 501 deaths. In India during the same period there were 5,933 cases of plague with 4,550 deaths.

ITALY.

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

Assistant Surgeon Wollenberg reports, April 5:

Vessels inspected at Naples and Palermo, week ended April 3.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Mar. 28	San Giovanni	New York.....	850	25	1,350
30	Campania.....	do.....	1,356	60	1,680
31	Romanic.....	Boston.....	1,204	160	1,350
Apr. 1	Sicania.....	New York.....			9..
2	König Albert.....	do.....	1,290	70	1,280
3	Germania.....	do.....	944	80	1,250
	Total.....		5,644	395	6,910

PALERMO.

Mar. 28	Nord America.....	New York.....	497	500	300
29	San Giovanni.....	do.....	984	1,300	280
31	Campania.....	do.....	702	905	340
	Total.....		2,183	2,705	900

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Measles.	Other causes.	Total.
Mar. 28	San Giovanni.....	19	4	10		4	37
30	Campania.....	29	5	18		8	60
31	Romanic.....	11	5	13	1	9	39
Apr. 1	Sicania.....						
2	König Albert.....	21	1	19		4	45
3	Germania.....	37	4	14		8	63
	Total.....	117	19	74	1	33	244

PALERMO.

Mar. 28	Nord America.....	23	16			7	46
29	San Giovanni.....	32	45			5	82
31	Campania.....	28	30			7	65
	Total.....	83	91			19	193

Vessels inspected at Naples and Palermo, week ended April 10.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Apr. 6	Duca di Genova.....	New York.....	1,318	70	1,350
6	Moltke.....	do.....	1,141	110	1,280
7	Perugia.....	do.....	455	20	580
7	Principe di Piemonte.....	do.....	1,100	60	1,250
8	Neckar.....	do.....	2,020	110	2,150
8	Virginia.....	do.....	1,283	70	1,460
9	Grosser Kurfürst.....	do.....			
10	Finland.....	do.....	1,162	90	1,750
10	Ancona.....	Philadelphia.....	2,328	130	2,580
	Total.....		10,807	660	12,390

Vessels inspected at Naples and Palermo, week ended April 10—Continued.

PALERMO.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Apr. 8	Perugia.....	New York.....	578	708	184
8	Principe di Piemonte.....	do.....	512	675	210
	Total.....		1,090	1,383	394

Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Measles.	Other causes.	Total.
Apr. 6	Duca di Genova.....	35	6	22	1		10	74
6	Moltke.....	22	3	15		1	9	50
7	Perugia.....	19	5	6	4		2	36
7	Principe di Piemonte.....	20	4	8			4	36
8	Neckar.....	43	11	17	1	1	16	89
8	Virginia.....	23	7	9	1		7	47
9	Grosser Kurfürst.....							
10	Finland.....	12	3	5			10	30
10	Ancona.....	47	2	32			18	99
	Total.....	221	41	114	7	2	76	461

PALERMO.

Apr. 8	Perugia.....	19		26			7	52
8	Principe di Piemonte.....	33		35			6	74
	Total.....	52		61			13	126

Smallpox at Naples.—Week ended April 4. Fifteen cases of smallpox with 2 deaths reported at the health office of the city of Naples. Week ended April 11. Four cases of smallpox.

Status of smallpox in Italy.—Week ended April 4. Villavesco (Milan), 1 case; Parma, 7; Cortile S. Martino, 3; Colorno, 1; San Secondo (Parma), 1; Cerignola (Foggia), 39; Messina, 2; Milazzo, 1; Tripi (Messina), 1.

JAPAN.

Reports from Yokohama—Inspection and fumigation of vessels—Plague-infected rats—Plague in February, 1909, on Awaji Island and in Kobe—Examination of emigrants.

Passed Assistant Surgeon Cumming reports, March 20, 29, and 31: Week ended March 20. Bills of health granted to 5 steamships, 2 bound for Manila and 1 each to New York, Seattle, and San Francisco via Honolulu. Total personnel crew 554, passengers 217.

The *Prinz Waldemar*, hence via ports for Australia via Manila, was granted a bill upon certificate of fumigation by the Australian authorities in accordance with an agreement between this office and the chief quarantine officer of the Philippines as to such cases, and the *Norman Prince*, hence for New York via ports, was fumigated throughout with sulphur gas on account of having been exposed to rat infection at Shanghai, Hongkong, Singapore, and other ports.

Two additional plague-infected rats have been found during the cleaning of Ota precinct of this city, this precinct being distant from the water front, but inhabited in part by longshore coolies.

Week ended March 27. Bills of health issued to 2 barks and 3 steamships having an aggregate personnel of 162 cabin and 448 steerage passengers and 503 members of crews.

During the annual cleaning of houses now going on in this city 3 plague-infected rats were found during the week in the district previously infected.

An official dispatch has been sent to the naval port of Yokosuka, in Tokyo Bay, reporting the occurrence of plague in Nishinomiya, Mikage, Amagasaki, and Sumoto, Awaji Island, as well as in Kobe, during the last eight days of February, and the catching of 28 infected rats in the latter places during the period March 1 to 18.

The official census of Yokohama, under date of December 31, gives a population of 392,870, living in 78,136 houses.

Examination of emigrants.

Number of emigrants per steamship *Asia*, March 27, for Honolulu, held for observation, 2; for San Francisco, recommended for rejection, 1; held for observation, 1.

For steamship *Tosa Maru*, for Seattle, March 31, recommended for rejection, 2; held for observation, 5.

Rejections and detentions were for trachoma.

Summary of examination of emigrants, month of March, 1909.

Alien steerage passengers for ports in the United States or their possessions, 174; recommended for rejection, 7; advised to wait for treatment and diagnosis, 40; passed, 127. There were bathed 159.

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

Acting Assistant Surgeon Knight reports, March 25:

Week ended March 20. Supplemental bills of health granted to 4 steamships and original bill of health granted to 1 steamship.

There were inspected 296 members of crew and 45 steerage passengers, and 54 members of crew and 27 steerage passengers were bathed and disinfected and had their effects disinfected by steam. The number of pieces of baggage steamed was 207 and bedding 54. Manifests were viséed for 28,728 pieces of freight, amounting to 2,540 tons.

Emigrants were examined as follows: Steamship *Chiyo Maru* for Honolulu, passed 20; recommended for rejection 12; for San Francisco, passed 7; recommended for rejection 2.

During the week 6 cases of personal effects and 28 bags of feathers disinfected with formalin.

MEXICO.

Report from Coatzacoalcos—Inspection of vessels.

Acting Assistant Surgeon Thompson reports, April 15:

Week ended April 14. Bills of health issued to 2 vessels bound for ports in the United States.

The health of the port is good.

Reports from Salina Cruz—Inspection and fumigation of vessels.

Acting Assistant Surgeon Gochicoa reports, April 11 and 17:

Week ended April 10. No transactions.

Week ended April 17. Two vessels fumigated.

Report from Tampico—Inspection and fumigation of vessels—Sanitary conditions.

Acting Assistant Surgeon Stowe reports, April 15:

Week ended April 14.

Vessels inspected and passed.....	3
Bills of health issued.....	3
Members of crews of outgoing vessels inspected.....	65
Passengers of outgoing vessels inspected.....	0
Vessels fumigated prior to sailing.....	0

No cases of quarantinable disease occurred during the week. The sanitary condition of the port is good.

Reports from Veracruz—Smallpox and vaccination—Sanitary conditions and improvements—Summary of yellow fever, 1903-1909—Inspection of vessels.

Acting Assistant Surgeon Carter reports, April 5, 10, and 11:

Week ended April 5. Smallpox was reported at Veracruz, as follows: March 26, 1 case; March 29, 1 case, 1 death; April 3, 1 case. The cases have been isolated.

April 10. The general sanitary conditions of Veracruz are fairly good. The last case of yellow fever died February 11, since which date no cases have been reported. Three cases of smallpox have been reported with 2 deaths. The last death occurred April 6. Since that date no new cases have occurred. At least 90 per cent of the population have been vaccinated. The 3 cases reported were isolated, the premises disinfected, and the contacts who could not show a scar were vaccinated. The last case of yellow fever was isolated quickly and the entire block disinfected.

The streets are now nearly all paved, the center of the city being of asphalt and a few of the outlying streets being paved with cobble stones. These improvements are being carried on continuously. A great deal of the improvement has been done during the past three or four years.

A complete sewerage system has been installed. The sewage empties into the sea outside of breakwaters, pumps being used for this purpose. No refuse from ships is allowed to be thrown overboard in the harbor, and water is piped from the mains to the end of all the piers. No water containers, cans, or rubbish are allowed about the wharves.

The water for the city is brought from a distance of about 15 kilometers and pumped into reservoirs, where it is filtered through sand and gravel. During heavy rains this water does not become muddy. Typhoid and typhus fever are unknown, or at least those diseases never originate here. Nearly all of the houses are equipped with the latest sanitary arrangements. There are no water tanks to be found in the city. At this time of the year (dry season) there are very few mosquitoes. The port physician informed me that an

effort is being made to eliminate them entirely around the piers and wharves. The ground is mostly sand, and water does not stagnate, but is quickly taken up. If any pools remain they are quickly oiled to prevent the breeding of mosquitoes.

The sanitary affairs of the city and harbor are administered by the city engineer, port physician, 4 city physicians, and a corps of sanitary inspectors and laborers. The city is divided into districts, each in charge of a medical officer, who has a corps of inspectors. Each house in each district is inspected twice a week. Any case of sickness is reported to the medical officer in charge of that district, who reports to the chief sanitary inspector. If the case is suspicious, the patient is at once removed to the detention hospital for observation. At present this hospital consists of a two-story house, the upper floor being used for the hospital; the lower for cooking, for storeroom, and for oil, sulphur and disinfecting apparatus. The place is thoroughly screened and fairly clean. At the time of my visit the hospital was empty. The hospital will be moved later to the new Spanish hospital, which will be occupied in a short time. At the Hospital San Sebastian, for men only, there are also 2 wards screened for the reception of real or suspect yellow fever cases. This hospital is built of stone, is a very old building, and of 2 stories and basement, and has a capacity of 300 beds. The operating room and disinfecting apparatus are modern. During my visit the yellow fever wards were empty. Upon the reception of a real or suspect case of yellow fever I am at once notified of the same and requested to see the patient. The hospital for women is similar to the one described.

The death rate from all causes at Veracruz seems to be high, about 50 per thousand in a population of 35,000, the city claiming, however, 40,000. The prevailing diseases have been as follows: Tubercular intestinal disorders, malaria, yellow fever, and smallpox. The death rate from pernicious and remittent fevers, while still high, is less than it was four years ago and is becoming less as the improvements progress. One of the principal causes of the high death rate from malarial disorders and other diseases is the carelessness of the poor classes and the constant large influx of new material from the north. A great many of these persons do not take the least precaution regarding clothing, eating, drinking, late hours, etc. Consequently, after a few months' sojourn they find themselves sick. Another cause is that the hospital here receives patients for the whole of the state of Veracruz, Mexico, and elsewhere, and the deaths are charged against Veracruz.

To show the decrease of yellow fever and malaria with the progress made in sanitary improvement in this city, which was begun about 1903 and resumed in 1906, the following tables are presented:

Yellow fever.

Year.	Cases.	Deaths.
1903.....	1,031	375
1904.....	68	12
1905.....	40	20
1906.....	17	12
1907.....	2	1
1908.....	36	15
1909, January, February, and March.....	2	2

For the same period malaria shows as follows. This includes all forms.

1903.....	422
1904.....	195
1905.....	251
1906.....	203
1907.....	201
1908.....	201
1909, January, February, and March.....	20

From these tables it will be seen that yellow fever has been reduced to almost nil, and that malarial fever has been reduced only a little less than half. The work is continued. Oiling, inspecting, disinfecting, etc., are carried on with fair regularity, and I am informed that the work is becoming more thorough and greater interest is being taken by all classes of the people.

Week ended April 11. Bills of health issued to 5 vessels, with a total of 204 members of crew and 89 cabin and 180 steerage passengers. No contagious diseases were reported. The last case of smallpox died April 5.

PANAMA.

Report from Bocas del Toro—Sanitary conditions.

Acting Assistant Surgeon Osterhaut reports, April 5:

The health conditions of this port and the surrounding territory are good. No infectious or contagious diseases have appeared since the close of the quarantine season of 1908. The health of the town is remarkably good; mosquitoes are almost entirely absent.

PHILIPPINE ISLANDS.

Report from Manila—Smallpox—Status of cholera in the provinces—Inspection of vessels—Smallpox on steamship Indrapura.

Chief Quarantine Officer Heiser reports, March 9:

Week ended March 6. Six cases of smallpox with 1 death were reported for the city of Manila.

The following is a list of the provincial cholera cases and deaths in the provinces as reported to the bureau of health during the week:

Provinces.	Cases.	Deaths.	Provinces.	Cases.	Deaths.
Bohol.....	62	41	Iloilo.....	1	.....
Capiz.....	34	27	Samar.....	3	3
Pampanga.....	8	6	Sorsogon.....	1	1
Laguna.....	2	2			
Leyte.....	3	1	Total.....	114	81

Consular bills of health issued as follows: February 27, the British steamship *Loongsang*, with 60 in the crew, en route from Hongkong to Iloilo, granted a supplemental bill of health. March 1, the British steamship *Taiyuan*, with 73 in the crew and 7 passengers, en route from Hongkong to Zamboanga, granted a supplemental bill of health. March 3, the British steamship *Indrapura*, with 63 in the crew, en route from Manila via Cebu and Manila to Boston and New York,

granted a supplemental bill of health. One case of smallpox occurred on board while vessel was loading in Manila Bay. All precautions were taken. All persons on board were inspected at the hour of sailing, and the manifest viséed.

(See Public Health Reports, April 16, 1909, page 502.)

RUSSIA.

Reports from Libau—Status of cholera at St. Petersburg—Plague case at Libau.

Acting Assistant Surgeon De Forrest reports, April 10 and 11:

From April 1 to 6, inclusive, 11 cases of cholera, with 4 deaths, occurred at St. Petersburg.

During the week ended April 5 there occurred in Libau 1 case of plague.

STRAITS SETTLEMENTS.

Cholera on steamship Sunki Maru at Penang.

The following is forwarded by Assistant Surgeon Wollenberg, at Naples, under date of April 5:

The Japanese steamship *Sunki Maru* left Kobe February 4, and after having called at Shanghai, Hongkong, Singapore, Penang, and Colombo, arrived at Suez, March 1, bound to Marseille and London. Members of crew, 106; passengers, 42. The *Sunki Maru* carried a ship doctor, but no disinfecting apparatus. The captain declared that one passenger suffering from cholera was landed at Penang, February 26, and that no further cases had occurred. Disinfection with carbolic acid was carried out, the drinking water pumped out at Colombo, and the tanks were washed with potassium permanganate. After the required disinfection the ship was granted free pratique at Suez.

(See Public Health Reports, April 9, 1909, page 467.)

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

AFRICA—Transvaal—Johannesburg.—Two weeks ended March 6, 1909. Estimated population, 180,687. Total number of deaths, 139, including enteric fever 7, scarlet fever 1, whooping cough 2, diphtheria 1, and 12 from tuberculosis.

ALGERIA—Bona.—Month of March, 1909. Estimated population, 42,000. Total number of deaths, 154, including smallpox 12, enteric fever 1, diphtheria 4, scarlet fever 1, whooping cough 3, and 13 from tuberculosis.

BRAZIL—Rio de Janeiro.—Month of October, 1908. Estimated population, 827,669. Total number of deaths, 2,113, including enteric fever 7, measles 17, smallpox 889, whooping cough 4, diphtheria 4, plague 13, leprosy 2, beriberi 2, and 290 from tuberculosis.

COSTA RICA—*San Jose*.—Month of February, 1909. Estimated population, 26,682. Total number of deaths, 64, including enteric fever 1, and 5 from tuberculosis.

CUBA—*Matanzas*.—Three weeks ended April 10, 1909. Estimated population, 35,515. Total number of deaths, 35, including 6 from tuberculosis.

DUTCH GUIANA—*Paramaribo*.—Month of March, 1909. Estimated population, 34,962. Total number of deaths, 91. Causes of death not reported.

FRANCE—*Marseille*.—Month of March, 1909. Estimated population, 517,498. Total number of deaths, 1,187, including diphtheria 5, enteric fever 19, measles 59, and 120 from tuberculosis.

Nantes.—Month of February, 1909. Population, 1900, 132,900. Total number of deaths, 338, including enteric fever 1, diphtheria 3, and 68 from tuberculosis.

St. Etienne.—Two weeks ended March 31, 1909. Estimated population, 150,000. Total number of deaths, 185, including scarlet fever 1, diphtheria 3, whooping cough 1, and 26 from tuberculosis.

GERMANY—*Bavaria*—*Munich*.—Month of February, 1909. Estimated population, 556,000. Total number of deaths, 808, including scarlet fever 14, enteric fever 1, measles 22, diphtheria 10, whooping cough 10, and 127 from tuberculosis.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 76 great towns in England and Wales during the week ended April 3, 1909, correspond to an annual rate of 17.9 per 1,000 population, which is estimated at 16,445,281.

London.—One thousand seven hundred and one deaths were registered during the week, including measles 94, scarlet fever 8, diphtheria 14, enteric fever 3, whooping cough 32, tuberculosis 146, and 14 from diarrhea. The deaths from all causes correspond to an annual rate of 18.3 per 1,000. In Greater London 2,341 deaths were registered. In the "outer ring" the deaths included 16 from measles, 4 from diphtheria, and 3 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended April 3, 1909, in the 21 principal town districts of Ireland was 24.2 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Dundalk, viz, 4.0, and the highest in Sligo, viz, 48.0, per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended April 3, 1909, correspond to an annual rate of 19.9 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Greenock, viz, 24.5, and the lowest in Aberdeen, viz, 13.8, per 1,000. The aggregate number of deaths registered from all causes was 712, including diphtheria 6, measles 1, scarlet fever 5, enteric fever 1, and 47 from whooping cough.

GREECE—*Patras*.—Two weeks ended March 31, 1909. Estimated population, 40,000. Total number of deaths, 16, including diphtheria 1, and 6 from tuberculosis.

HONDURAS—*San Pedro*.—Three months ended March 20, 1909. Estimated population, 7,400. Total number of deaths, 34, including 1 from diphtheria.

ITALY—*Turin*.—Month of December, 1908. Estimated population, 373,701. Total number of deaths, 504, including enteric fever 4, scarlet fever 3, diphtheria 3, and 56 from tuberculosis.

MALTA.—Two weeks ended March 27, 1909. Estimated population, 209,974. Total number of deaths, 171, including 11 from tuberculosis.

PANAMA—*Panama, Colon, and Canal Zone*.—Month of February, 1909. Estimated population, 127,174. Total number of deaths, 197, corresponding to an annual death rate of 18.59 per 1,000, including enteric fever 2, malarial fever 16, beriberi 2, and 26 from tuberculosis. Of this number, 34 occurred among the employees of the Isthmian Canal Commission and Panama Railroad Company, corresponding to an annual death rate of 9.42 per 1,000, of which 6.93 per 1,000 was due to disease, including malarial fever 2, enteric fever 2, and 5 from tuberculosis. Total number of employees, 43,267.

SPAIN—*Madrid*.—Month of March, 1909. Estimated population, 573,676. Total number of deaths, 1,952, including smallpox 28, typhus fever 182, enteric fever 24, scarlet fever 2, diphtheria 8, measles 63, whooping cough 6, and 138 from tuberculosis.

Malaga.—Month of October, 1908. Estimated population, 135,000. Total number of deaths, 272, including enteric fever 1, diphtheria 2, measles 1, and 30 from tuberculosis.

Month of November, 1909. Total number of deaths, 304, including enteric fever 3, measles 1, and 23 from tuberculosis.

TASMANIA—*Hobart*.—Month of February, 1909. Estimated population, 184,008. Total number of deaths, 172, including diphtheria 1, and 2 from enteric fever.

Cholera, yellow fever, plague, and smallpox, from December 26, 1908, to April 30, 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. 30.....		88	
Calcutta.....	Nov. 1-Mar. 13.....		399	
Madras.....	Nov. 14-Mar. 19.....		57	
Negapatam.....	Oct. 31-Feb. 26.....		27	
Rangoon.....	Nov. 8-Mar. 13.....		60	
Indo-China:				
Cholen.....	Nov. 9-15.....	1	1	
Saigon.....	Mar. 1-6.....	2	2	
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-Mar. 6.....	287	145	
Bulacan.....	Nov. 1-Feb. 27.....	82	71	
Cagayan.....	Nov. 1-Jan. 16.....	114	67	
Capiz.....	Nov. 1-Mar. 6.....	1,384	789	
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-Mar. 6.....	294	154	
Isabela.....	Jan. 24-30.....	2		
Laguna.....	Nov. 1-Mar. 6.....	119	81	
Leyte.....	Nov. 1-Mar. 6.....	158	125	
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-Mar. 6.....	80	54	
Rizal.....	Nov. 1-Feb. 20.....	246	216	
Samar.....	Nov. 1-Mar. 6.....	173	114	
Sorsogon.....	Jan. 10-Mar. 6.....	99	65	
Surigao.....	Nov. 15-Jan. 12.....	7	4	
Union.....	Nov. 1-Jan. 12.....	12	8	
Zambales.....	Dec. 6-12.....	3	3	
Russia, general.....	Nov. 15-Apr. 4.....	4,290	1,778	Dec. 1, 3 cases are reported present at Riga. From 1 to 4 cases are reported weekly from the following places: Schuscka, Dnjeprowsk (Simferopol), Bjisk, Smeinigorsk, Barnoul, Pokrowsk, Jusowska, Etschmiadsin, and Dorpat.
Akmolinsk.....	Nov. 15-Jan. 23.....	34	13	
Bakoo.....	Nov. 22-28.....	3	2	
Batoun.....	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. 28.....	27	11	
Erivan.....	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-Borisoglebsk.....	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.
Semipalatinsk, territory of.....	Dec. 19-26.....	1		
Stavropol.....	Nov. 15-21.....	1		
St. Petersburg, government.....	Nov. 15-Mar. 19.....	35		

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

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.	
Russia—Continued.					
St. Petersburg.....	Nov. 29-Apr. 4....	2,277	708	Apr. 6, still present.	
Tambov.....	Nov. 15-Dec. 12....	16	8		
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	From s. s. Sunki Maru.	
Straits Settlements:					
Penang.....	Feb. 27.....	1	.....	
Singapore.....	Nov. 8-Feb. 27....	.....	165	

YELLOW FEVER.

Barbados, general.....	Dec. 12-Apr. 10....	63	21	Including the parishes of St. Andrew, St. Johns, St. Joseph, St. Lucy, St. Michael, and St. Thomas.
Bridgetown.....	Dec. 12-Mar. 20....	11		
Speightstown.....	Mar. 7.....	1		
Brazil:				
Bahia.....	Nov. 15-Mar. 13....	138	48	These cases were removed Dec. 28 and 29, respectively, to Santiago, where 1 case died Dec. 31.
Manaos.....	Nov. 29-Apr. 3.....		16	
Para.....	Nov. 22-Apr. 10....		53	
Pernambuco.....	Nov. 15-Feb. 15....		2	
Colombia:				
Cartagena.....	Jan. 8-14.....	1	1	
Cuba:				
Oriente Province— San Luis.....	Jan. 1-2.....	2	1	
Curaçao.....				
Dutch Guiana:	Jan. 15.....	1		
Paramaribo.....	Dec. 1-Jan. 27....	32	8	
Ecuador:				
Guayaquil.....	Nov. 29-Mar. 27....		80	
Martinique:				
Fort 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:				
Fayal.....	Apr. 1.....	1		
Terceira.....	Mar. 31-Apr. 1....	17	6	
Australia:				
Brisbane.....	Nov. 1-7.....	1	1	
Brazil:				
Bahia.....	Nov. 15-Mar. 14....	55	26	
Para.....	Jan. 24-Feb. 6.....		2	
Pernambuco.....	Nov. 1-Dec. 31....		10	
Rio de Janeiro.....	Nov. 16-Mar. 28....	75	36	
Chile:				
Antofagasta.....	Feb. 28-Mar. 11....	32		Mar. 20, 24 cases in lazaretto.
Arica.....	Mar. 9.....			Present.
Iquique.....	Jan. 1-Feb. 28....	42	15	Year 1908, 133-70; Mar. 21, 13 cases in the lazaretto.
Magillones.....	Mar. 9-10.....	70		
Taital.....	Feb. 11.....			Present

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

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	Mar. 6.....	1		Present Mar. 16, and present at Wuchang in September.
Chinchew.....	Mar. 7-13.....			Present.
Fukien province, Chang Poo.....	Mar. 7-13.....			Epidemic.
Hankau.....	Nov. 30-Dec. 5.....	1	1	On river boat Loongwo.
Hongkong.....	Nov. 8-Mar. 6.....	11	9	
Tamchou.....	Dec. 19.....			Vicinity of Hainan; present.
Tientsin.....	Oct. 18-Nov. 21.....			Feb. 16, again present.
Tongshan.....	Nov. 1-14.....			Present.
Ecuador:				
Babahoyo.....	Jan. 16.....	3		
Guayaquil.....	Nov. 29-Mar. 27.....		74	
Milagro.....	Nov. 17-Jan. 18.....	18	8	
Nisag.....	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—				
Asslout.....	Dec. 2-Mar. 20.....	19	13	
Beherach.....	Nov. 24-Dec. 26.....	11	6	
Dakakileh.....	Feb. 4-Mar. 20.....	6	6	
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-Apr. 1.....	13	5	
German East Africa:				
Dar-es-Salaam.....	Oct. 10-Jan. 7.....	7	5	
Great Britain:				
Elstree.....	Feb. 3-4.....	1	1	At plague laboratory.
India:				
Bombay Presidency and Sind.....	Nov. 2-Mar. 20.....	19,451	13,886	
Madras Presidency.....	Nov. 2-Mar. 20.....	1,101	789	
Bengal.....	Nov. 2-Mar. 20.....	4,731	3,946	
United Provinces.....	Nov. 2-Mar. 20.....	7,096	5,934	
Punjab.....	Nov. 2-Mar. 20.....	13,279	10,673	
Burma.....	Nov. 2-Mar. 20.....	4,783	4,530	
Central provinces, including Berar.....	Nov. 2-Mar. 20.....	5,268	4,141	
Coorg.....	Nov. 2-Dec. 17.....	5	3	
Mysore State.....	Nov. 2-Mar. 20.....	2,823	2,026	
Hyderabad State.....	Nov. 2-Mar. 20.....	616	509	
Central India.....	Nov. 2-Mar. 20.....	750	582	
Rajputana.....	Nov. 2-Mar. 20.....	2,757	2,513	
Kashmir.....	Mar. 14-20.....	5	2	
Grand total.....		62,665	49,534	
Indo-China:				
Cholen.....	Oct. 25-Dec. 19.....	12	11	Including Chuquan.
Saigon.....	Oct. 25-Mar. 13.....	24	20	
Japan:				
Amagasaki.....	Feb. 27.....			Present.
Awaji Island, Sumoto.....	Feb. 27.....			Do.
Formosa.....	Nov. 8-Mar. 20.....	309	247	Mainly in the central part.
Kagi, prefecture.....	Jan. 16.....	5		
Higo, prefecture.....				Year 1908, 219 cases additional.
Kagoshima, prefecture.....	Feb. 6.....	1		From ss. Shinkochi Maru.
Kobe.....	Jan. 20-Mar. 6.....	4	3	3 cases from ss. Ghazee. Feb. 27, again present.
Mikagi.....	Feb. 27.....			Present.
Nara, prefecture.....				Year 1908, 2 cases additional.
Nishinomiya.....	Jan. 6.....	1		Year 1908, 53 cases. Feb. 28, still present.
Osaka.....	Dec. 22-Jan. 29.....	3	1	Year 1908, 59 cases additional
Tokushima, prefecture.....		1		Case Jan. 29, on ss. Shinkochi Maru.
Yura.....		116	83	Year 1908.
Mauritius.....	Oct. 2-Jan. 31.....		106	Do.
Peru:				
Arequipa, general.....	Feb. 19-Mar. 18.....	5	3	
Mollendo.....	Nov. 1-Feb. 18.....	1	5	
Cajamarca, general.....	Feb. 19-Mar. 18.....	19	7	
Cascas.....	Feb. 12-18.....	12	5	
Chota.....	Jan. 22-Feb. 18.....	8	8	

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

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Peru—Continued.				
Callao, general.....	Feb. 19-Mar. 18....	3	1	Mar. 25, present.
Callao.....	Nov. 13-Feb. 18....	18	11	
Lambayeque, general.....	Feb. 19-Mar. 18....	18	14	
Chiclayo.....	Nov. 13-Feb. 18....	44	23	
Eten.....	Nov. 13-Dec. 31....	11	10	
Jayanca.....	Feb. 4.....	12	.....
Lambayeque.....	Feb. 18-Mar. 4....	6	5	
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. 18....	45	17	
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. 18....	15	3	Present in November.
Chorrillos.....	Jan. 22-Feb. 4....	2	2	
Lima.....	Nov. 13-Feb. 13....	50	19	
Huaro-chiri, Matucana, Surco.....	Feb. 4.....	15	.....
Piura, general.....	Feb. 19-Mar. 4....	2	1	
Catacaos.....	Dec. 11-Feb. 18....	7	.....
Paíta.....	Dec. 11-17.....	3	2	
Piura.....	Dec. 11-Jan. 14....	6	4	
Russia:				
Libau.....	Mar. 30-Apr. 5....	1	.....
Siam:				
Bangkok.....	Sept. 27-Dec. 26....	12	6	
Straits Settlements:				
Singapore.....	Nov. 30-Feb. 6....	2	2	
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:				Imported.
Algiers.....	Dec. 1-Feb. 28....	.....	78
Bona.....	Jan. 1-Mar. 31....	57	34	
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.....	Jan. 31-Feb. 13....	8	.....
Galicia.....	Dec. 20-Mar. 27....	9	.....
Silesia.....	Jan. 3-Mar. 20....	2	.....
Trieste.....	Mar. 21-27.....	1	.....
Brazil:				
Bahia.....	Nov. 15-Mar. 13....	319	27	
Para.....	Feb. 14-Mar. 27....	3	2	
Pernambuco.....	Nov. 1-Feb. 28....	.....	113
Rio de Janeiro.....	Nov. 16-Mar. 28....	1,373	672	
Santos.....	Nov. 1-Dec. 20....	.....	10
São Paulo.....	Nov. 1-Mar. 14....	.....	59
British Honduras:				32 miles south of Belize.
Stann Creek.....	Feb. 5-Mar. 10....	6	1	
British South Africa:				
Cape Town.....	Dec. 28-Mar. 13....	5	.....
Canada:				
British Columbia—				
Vancouver.....	Dec. 1-Mar. 31....	7	.....
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. 17....	72	.....
Tusketwedge.....	Feb. 13.....	1	.....
Yarmouth.....	Dec. 1-Mar. 27....	29	.....
Quebec—				Revised.
Montreal.....	Dec. 26-Jan. 2....	1	.....

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

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon:				
Colombo.....	Nov. 1-Mar. 13....	122	28	
Chile:				
Concepcion.....	Jan. 15-31.....	1		
Talcaguana.....	Nov. 20-Jan. 28....			Present in vicinity.
Valparaiso.....	Dec. 6-19.....	2		
China:				
Amoy.....	Oct. 11-Nov. 8.....		2	Mar. 20, still present.
Hongkong.....	Jan. 3-Mar. 6.....	7	3	
Shanghai.....	Nov. 11-Mar. 21....	6	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.
Egypt, general.	Nov. 12-Feb. 25....	737	164	
Alexandria.....	Nov. 26-Feb. 28....	42	26	
Cairo.....	Nov. 19-Mar. 25....	450	196	
Suez.....	Feb. 19-Mar. 6.....	27	2	
France:				
Marseille.....	Dec. 1-Jan. 31....		2	
Nantes.....	Mar. 15-21.....	1		
Nice.....	Jan. 1-Feb. 28....	2		
Paris.....	Nov. 22-Apr. 8.....	57	3	
Toulon.....	Jan. 1-31.....	1		
Germany, general.	Nov. 19-Apr. 10....	59		
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-Apr. 10....	30	7	
Cardiff.....	Apr. 3-10.....	1		
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. 30....		205	
Calcutta.....	Nov. 1-Mar. 12....		1,867	
Madras.....	Nov. 28-Mar. 19....		17	
Rangoon.....	Nov. 22-Mar. 13....		47	
Indo-China:				
Cholen.....	Nov. 15-Dec. 5.....	6	5	
Saigon.....	Nov. 1-Mar. 13....	33	20	
Italy, general.	Nov. 30-Apr. 4.....	256		
Catania.....	Feb. 28-Mar. 27....	8		
Cinquefrondi.....	Jan. 15-21.....	13		
Florence.....	Nov. 24-Mar. 10....	4		
Genoa.....	Dec. 1-Feb. 28....	8		
Naples.....	Dec. 7-Apr. 11....	360	59	Jan. 18, 1 case on s. s. Europa.
Palermo.....	Jan. 24-Mar. 6.....	11	2	
Polesella.....	Dec. 1.....			Epidemic.
Tratinoli.....	Jan. 15-21.....	2		
Japan:				
Formosa.....	Nov. 29-Mar. 13....	19		
Kobe.....	Feb. 14-Mar. 6.....	5	2	3 cases in March from s. s. Ghazee, from Singapore.
Tokyo.....	May 8-Dec. 31....	314		
Java:				
Batavia.....	Nov. 1-Mar. 13....	63	5	
Malta.....	Nov. 22-Feb. 20....	4	1	1 case Nov. 22 on vessel.
Manchuria:				
Dalny.....	Jan. 17-Mar. 13....	2	1	
Mexico:				
Acapulco.....	Jan. 11-Feb. 14....	15		
Acayucan.....	Mar. 17.....			Present.
Guadalajara.....	Jan. 7-Apr. 15....		14	
Mexico City.....	Nov. 8-Feb. 20....		129	
Monterey.....	Jan. 4-Apr. 11....		26	
Rosita.....	Mar. 29.....	3		
Sabinas.....	Mar. 31.....	10		
Salina Cruz.....	Jan. 1-15.....	5		

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

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico—Continued.				
Tehuantepec.....	Jan. 28–Feb. 3.....			Present.
Veracruz.....	Dec. 13–Apr. 5.....	8	4	
Yucatan, Camp Mengel.....	Dec. 21.....	1		
Moluccas Islands.....	Dec. 12.....			Do.
Netherlands, The:				
Rotterdam.....	Jan. 10–Mar. 27.....	1	1	
Newfoundland.....	Feb. 9–Mar. 20.....	2		Epidemic on south coast.
St. Johns.....	Jan. 10–Apr. 3.....	11		Case Jan. 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.
Tabriz.....	Oct. 2–8.....			Do.
Trebizond.....	Jan. 16.....			Do.
Teheran.....	Sept. 18–Oct. 28.....		17	
Peru:				
Lima.....	Nov. 22–Dec. 31.....	11		Mar. 27, 1 case in the lazaretto.
Salaverry.....	Nov. 19–25.....		1	
Philippine Islands:				
Manila.....	Nov. 1–Mar. 6.....	39	13	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–Apr. 3.....	45		One case, Jan. 27, from s. s. Aragon.
Russia:				
Batoom.....	Dec. 1–31.....	1		
Moscow.....	Nov. 20–Mar. 27.....	342	125	
Odessa.....	Oct. 4–Apr. 27.....	70	12	
Reval.....	Jan. 1–31.....	1		
Riga.....	Nov. 29–Apr. 5.....	18		
St. Petersburg.....	Nov. 15–Mar. 27.....	150	43	
Warsaw.....	Nov. 1–Jan. 30.....		61	
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:				
Lourenço Marquez.....	Jan. 1–31.....	1	1	
Spain:				
Almeria.....	Jan. 1–Feb. 28.....		3	Apr. 1–Dec. 31, 1908, 9 cases.
Barcelona.....	Dec. 6–Apr. 12.....		55	
Cartagena.....	July 1–31.....		15	
Madrid.....	Nov. 1–Mar. 31.....		88	
Valencia.....	Nov. 29–Apr. 2.....	81	9	
Vigo.....	Nov. 30–Mar. 27.....		12	
Straits Settlements:				
Penang.....	Mar. 1–6.....	1	1	From s. s. Pentakota.
Singapore.....	Dec. 28–Mar. 6.....		9	
Switzerland:				
Zurich.....	Feb. 21–27.....	3		
Tripoli:				
Tripoli.....	Feb. 13–Mar. 27.....	11	5	
Turkey in Asia:				
Adalia.....	Sept. 24–27.....		2	Present.
Bagdad.....	Feb. 13–Mar. 13.....			Do.
Bassorah.....	Jan. 3–Mar. 27.....			
Smyrna.....	Oct. 7–Mar. 25.....		69	
Turkey in Europe:				
Constantinople.....	Dec. 7–Apr. 4.....		64	
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. 27	181,918	56										1	2
Do.....	Apr. 3	181,918	48											9
Acapulco ^a	Feb. 14	5,000	217										1	
Do.....	Mar. 28	5,000	8											
Do.....	Apr. 10	5,000	9										4	
Aden.....	Mar. 15	43,974	22	3										
Do.....	Mar. 22	43,974	16	3										
Aguascalientes.....	Apr. 11	40,000	37	1					2			1		4
Aix la Chapelle.....	Mar. 20	159,612	50	9							1		2	
Amsterdam.....	Apr. 3	566,260	186	23								1		3
Do.....	Apr. 10	566,260	177	34						1			2	4
Antwerp.....	Mar. 27	323,921	77	15										2
Asuncion.....	Mar. 13	75,000	26	1						3				
Bahia.....	Mar. 6	265,000	95	18			4	2		1				
Do.....	Mar. 13	265,000	96	9			4	3		1				
Baracoa.....	Apr. 3	27,000	4											
Barcelona.....	do.....	600,000	340	16				4		3	1	6	3	2
Basel.....	Mar. 27	131,000	50	3									3	
Do.....	Apr. 3	131,000	42	6						1		1	3	
Belfast.....	do.....	336,576	160	27						1	1		1	4
Belgrade.....	do.....	80,000								1				
Belize.....	Apr. 8	9,113	4	1										
Do.....	Apr. 15	9,113	2											
Bergen.....	Mar. 27	87,749	26	5								1		
Do.....	Apr. 3	87,749	19	4										
Berlin.....	Mar. 20	2,119,489	655	89						1	12	11	12	10
Birmingham.....	Apr. 3	558,336	184										30	6
Bombay.....	Mar. 23	977,822	1,091	43	436	1		15		2			3	
Bremen.....	Apr. 3	234,566	78	13								1	1	
Breslau.....	Mar. 20	335,186	181	21								1		
Budapest.....	do.....	804,200											6	
Do.....	Mar. 27	804,200									3	1		
Do.....	Apr. 3	804,200									6	3	2	1
Cairo.....	Mar. 4	701,806	398	27				11	8				4	
Do.....	Mar. 11	701,806	373	24				7	4	2			4	
Do.....	Mar. 18	701,806	408	21				10	4	3			5	
Calcutta.....	Mar. 13	847,796	865	29	85	98		264					6	
Cartagena.....	Mar. 28	30,000	8	1										
Do.....	Apr. 4	30,000	4											
Celba.....	Apr. 10	6,500	1											
Chihuahua.....	Apr. 11	39,000	25	1								1		
Christiania.....	Apr. 3	235,000	59											1
Coburg.....	Mar. 27	23,491	8	1						1				
Cognac.....	Apr. 3	19,483	7	1										
Cologne.....	Mar. 27	409,299	195	19							3	5	5	2
Copenhagen.....	Mar. 20	439,000	166	17							5	1	3	6
Dalny.....	Mar. 13	35,947	18											
Denia.....	Apr. 3	12,431	4											
Dresden.....	do.....	544,700	146	17								4	2	
Dublin.....	Mar. 20	394,525	232	46						3		1	5	4
Do.....	Mar. 27	394,525	216	29						1		1	6	2
Dundee.....	Apr. 3	169,409	57										6	2
Durban.....	Mar. 13	60,972	9	1										
Edinburgh.....	Apr. 3	355,366	125	13										3
Erfurt.....	Mar. 27	107,712	43	2						9	2		2	1
Fiume.....	Mar. 31	50,811	42	12										
Do.....	Apr. 7	50,811	28	10										
Fort de France.....	Mar. 13	27,069	18											
Do.....	Mar. 20	27,069	17											
Do.....	Mar. 27	27,069	20											
Frankfort on the Main.....	do.....	362,600	120								2	2		
Frontera.....	Apr. 3	9,000	3											
Geneva.....	Mar. 20	118,500	54											
Georgetown.....	Mar. 27	56,000	26	2							2			
Ghent.....	do.....	164,579	71	2									2	
Gibraltar.....	Apr. 4	26,830	6								1			
Glasgow.....	Apr. 9	872,021	360											32
Gothenburg.....	Apr. 3	162,400	44	8						4		6		
Greenock.....	do.....	70,300	34											
Guadalajara.....	Apr. 8	125,000	101											
Guayaquil.....	Mar. 20	75,000	87	5	7		11							

^a 200 of total number of deaths due to accident.

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.
Guayaquil	Mar. 27	75,000	107	8	8	17			1				
Halifax	Apr. 10	40,787	17	3									
Hongkong	Mar. 6	315,616	5		2			1	1		1		
Hull	Apr. 3	275,552	97							1			
Königsberg	Mar. 27	237,600	86	10					1				1
Lausanne	Mar. 20	60,000	22										
Leeds	Apr. 3	484,012	157	14								1	3
Leipzig	Mar. 27	537,686	132	17						1		1	
Leith	Apr. 3	85,721	25	2						1		1	
Libau	Apr. 4	90,000										1	
Liege ^a	Mar. 27	176,334	121	16					1			1	2
Lisbon	Mar. 13	406,869	196	34	1				3		3	1	3
Liverpool	Apr. 3	760,357	336	26					3	4	6	17	8
London	do	4,833,938	1,701	146					3	8	14	94	32
Lubeck	do	87,000	30						1		1		
Madras	Mar. 19	509,346	361			1		1				6	
Magdeburg	Mar. 20	250,902	78	10						1			
Do	Mar. 27	250,902	107	12							1		
Managua	Mar. 13	22,278	17	1									
Do	Mar. 20	22,278	12	1									
Manchester	Apr. 3	631,533	264	22					4	8	2	11	7
Mannheim	Mar. 20	182,482	39	6							1		
Matamoros	Apr. 10	8,000	3	1									
Milan	Mar. 21	900,000	270	30					2		4	3	
Do	Mar. 28	900,000	269	32					2	1		7	
Monterey	Apr. 11	100,000	89	10			7		2				
Montreal	Apr. 10	378,856	149	23					2	2	2	3	
Moscow	Mar. 27	1,335,104	803	97			11	8	2	20	9	32	
Munich	Mar. 20	566,000	209	36						1	2	3	2
Do	Mar. 27	566,000	238	36						6	2	7	3
Nagasaki	Mar. 21	175,936	47								3		
Nantes	Mar. 14	161,908	123	22									
Do	Mar. 21	161,908	83	6									
Do	Mar. 28	161,908	79	16									
Do	Apr. 4	161,908	64	10									
Naples	Feb. 27	593,729	285					3				1	
Do	Mar. 13	593,729	305					6				1	
Do	Mar. 20	593,729	312					2			1	1	
Do	Mar. 27	593,729	291										
Newcastle-on-Tyne	Apr. 3	281,584	88							1	1	9	
Niuchwang	Mar. 13	60,000	9										
Nottingham	Mar. 27	260,000	110						1			8	4
Nuremberg	Mar. 20	316,180	112	17						2		4	4
Odessa	Mar. 27	467,000	225	30			1	2		9			1
Ottawa	Apr. 3	80,200	20										
Do	Apr. 10	80,200	17										
Para	Apr. 3	185,000	84	7									
Paris	do	2,776,399	220					1		7		5	2
Palermo	Mar. 20	330,000	146	8							1	1	
Do	Mar. 27	330,000	145	11							1	1	
Penang	Mar. 13	102,520	75	16					2				
Plymouth	Apr. 3	124,180	33	4								4	
Port Elizabeth	Mar. 13	32,959	12	2						1			
Do	Mar. 20	32,959	13	2									
Prague	do	229,571	141	27					5	2		1	1
Do	Mar. 27	229,571	172	44						5	2	3	
Progreso	do	5,000	3										
Queenstown	Apr. 3	7,684	2										
Rangoon	Mar. 13	252,155	212	4	24	6	11						
Rio de Janeiro	Mar. 14	811,443	276	52			9		2				1
Saigon	Mar. 6	208,000			1	2	1						
Do	Mar. 13	208,000			2		5						
St. John, N. B.	Apr. 17	40,711	15	1							1		
St. Petersburg	Mar. 20	1,678,000	845	136		7	2	1	12	16	17	33	9
San Feliu de Guixols	Apr. 3	11,094	3	1									1
Santa Cruz de Teneriffe	Mar. 27	46,000	16	3									
Shanghai	Mar. 13	565,000	109	15									
Singapore	Mar. 6	260,000	185	20			1		4				
Southampton	Apr. 3	124,667	37	4									
South Shields	do	117,627	37								1		2
Stettin	do	230,000	102	6									1

^a Report covers two weeks.

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.
Stockholm.....	Mar. 20	337,460	102	18						1	1	1
Suez.....	Feb. 25	19,786	8									
Do.....	Mar. 4	19,786	17									
Do.....	Mar. 11	19,786	6									
Do.....	Mar. 18	19,786	12					1				
Do.....	Mar. 25	19,786	10					1				
Sunderland.....	Mar. 27	159,137	69	4								7
Tarragona.....	Apr. 3	20,400	9	1						1		1
Tegucigalpa.....	Mar. 30	24,000	4									
Tientsin.....	Mar. 13	1,000,000	9									
Turin.....	Mar. 26	381,439	220	26								1
Valencia.....	Apr. 2	250,000	122	8								
Vevey.....	Mar. 20	14,500	8									
Victoria.....	Apr. 10	30,000	5									
Vienna.....	Mar. 27	2,042,426	740	132					1	11	11	14
Vigo.....	Mar. 20	40,000	13	1					1		1	
Do.....	Apr. 3	40,000	23	5					3			
West Hartlepool.....	do.....	66,750	25									
Yokohama.....	Mar. 22	392,870										1
Do.....	Mar. 29	392,870										1
Zanzibar.....	Mar. 7	75,000	19	3								
Do.....	Mar. 14	75,000	22	5								
Zurich.....	Apr. 3	180,000	83	11					1			

By authority of the Secretary of the Treasury:

WALTER WYMAN,

*Surgeon-General,**United States Public Health and Marine-Hospital Service.*