

PUBLIC HEALTH REPORTS.

PLAGUE INFECTION IN SQUIRRELS.

Laboratory experiments have demonstrated that ground squirrels can be infected with plague, and a few cases of such infection have been reported.

On account of the great numbers of ground squirrels in California and other states, their infection, though quite limited so far as a systematic search has revealed, has given rise to reasonable apprehension, and a knowledge of their habits and the best methods of destroying them is deemed of special importance.

Because of their devastating effect upon grain and other crops, the Biological Survey of the Agricultural Department has for a long time made a special study of these rodents, and Doctor Merriam, the Chief of the Biological Survey, has kindly responded to a request to prepare a bulletin giving the information necessary for dealing with these pests from a sanitary as well as an agricultural standpoint.

Attention is particularly called to his statement of the effect of the natural enemies of the ground squirrel upon their prevalence, as well as the proven methods of their destruction by artificial means. These observations have been the result of study and practical methods successfully utilized by the survey. As stated by Doctor Merriam, it is now a matter of importance, both from a sanitary, as well as an economic standpoint, that a systematic destruction of these pests should be entered upon.

CALIFORNIA GROUND SQUIRRELS.

By C. HART MERRIAM, Chief U. S. Biological Survey.

California is overrun with ground squirrels, no less than three genera and a dozen species occurring within its borders. These may be arranged in four groups: (a) the large, long-eared gray ground squirrels (subgenus *Otospermophilus*); (b) the small, short-eared brownish species (genus *Citellus*); (c) the small, white-striped antelope ground squirrels of the deserts (genus *Ammospermophilus*); (d) the golden-mantled ground squirrels of the mountains (genus *Callospermophilus*).

The ground squirrels rank among the most destructive of our native rodents, causing losses to agriculture amounting to at least \$10,000,000 annually. In Oregon, Washington, Montana, and other parts of the West the most harmful species are the short-tailed ones, but in California the only ones of marked economic importance are the long-eared gray or "digger" squirrels. These are relatively large animals, about

the size of the eastern gray squirrel, with upright squirrel-like ears and long bushy tails. Three species occur in the State: (1) The Beechy ground squirrel (*Citellus beecheyi*), which ranges from lower California northward to San Francisco Bay, and east of the Sacramento Valley continues northward to Lassen Butte and Susanville; (2) the Douglas ground squirrel (*Citellus douglasi*), which ranges from the north side of San Francisco Bay northward to the Columbia River; and (3) the Rocky Mountain or Plateau ground squirrel (*Citellus grammurus*), which enters California from the east and in that State is known only from the canyons of the Colorado River and the Providence Mountains on the east side of the Mohave Desert.

THE BEECHEY GROUND SQUIRREL.

The species of greatest economic importance, because of the extent of its range, which covers the greater part of the agricultural lands of the State; because of its destructiveness to grain, nuts, fruit, and other crops; and because of the recent discovery by the Public Health and Marine-Hospital Service that it is a carrier and disseminator of plague, is the Beechy ground squirrel. By reason of this new danger this animal has recently sprung into prominence and demands attention. The danger to human life by the spread of plague so far exceeds in importance the harm done by the destruction of crops that the duty of checking its increase is no longer a local matter but one of national concern.

The Beechy ground squirrel inhabits the open plains of the great interior valley of California, the grassy chaparral slopes of the foothills, and the rocky walls of canyons, and in places pushes up into the more open parts of the yellow-pine forests of the mountains. It lives in underground burrows, usually grouped in colonies. The colonies may be located on the bare, open plains, on the grassy slopes of foothills, or about the roots of trees. The burrows vary from a few to hundreds, and by the union of contiguous colonies sometimes reach a total of thousands and cover almost continuously hundreds of acres. The earth brought up from each burrow is deposited at its mouth, forming gradually enlarging hillocks, so that old colonies on the plain are recognizable at a distance by the mounds. The mouths of the burrows are connected by well-beaten paths, $2\frac{1}{2}$ to 3 inches broad, which radiate from each hole and by intersecting form a conspicuous network, and many of the runways extend for considerable distances into the adjacent feeding grounds.

The animals are diurnal, and in the larger colonies hundreds may be seen at one time, some scudding swiftly over the ground, some rolling in the dust, some basking in the sunshine, and some standing erect on their haunches gazing over the country or biting off the stems of grain, tarweed, or other plants on whose seeds they feed. The seeds not eaten on the spot are tucked away in the cheek pouches and carried home to be kept in underground storehouses for future use. Acorns also are a favorite food and where obtainable are gathered and stored in large quantities. Of cultivated nuts, almonds and walnuts are preferred; of other crops, apples, prunes, peaches, certain garden vegetables, and all the grains are preyed upon wherever they are to be had, and alfalfa is sometimes eaten.

While living mainly on the ground these ground squirrels nevertheless are good climbers, and are often seen in the valley oaks and other nut-bearing trees, and also in fruit trees. They are not migrants in the proper sense of the word, their journeys being limited to short distances, as from one locality to a neighboring one, according to fluctuations of the food supply. Neither do they hibernate in winter, except in the mountains, although in the foothills and valleys they usually remain in their burrows during stormy and severe weather. Nevertheless, over the greater part of the State they are out in numbers every month of the year.

The time of breeding varies somewhat with the region, animals living in the north and in the mountains breeding later than those in the hot country. The young are usually born in April or May. Females containing young have been killed at various dates from March 12 to May 12, and young old enough to run about are sometimes common in April. The number of young at a birth is usually 5 or 7.

Ground squirrels are good to eat, and a few years ago were regularly sold in the San Francisco markets. They have always been prized by the Indians, who roast them over the coals and devour them eagerly. Old animals at times have a rather strong flavor, but the young of the year are usually tender and delicious.

MEANS OF DESTRUCTION.

Among the means of destruction not to be lost sight of are the natural enemies—especially coyotes, badgers, foxes, and the golden eagle.

Ground squirrels may be shot, trapped, poisoned, or they may be killed by certain gases—notably fumes of bisulphid of carbon or burning sulphur—forced into their burrows.

Trapping.—Various traps have been used with success. The ordinary No. 0. steel trap placed unbaited in the mouths of the burrows sometimes yields excellent results, but the best and most humane trap in use at the present time is the so-called guillotine trap—a trap which kills the animal instantly by striking it a heavy blow on the back of the neck. Any food attractive to the squirrels may be used for bait; dried prunes and pieces of sugar beet have proved particularly successful.

Poisoning.—For poisoning the following formula is recommended:

Strychnia sulphate	1 ounce.
Borax	2 ounces.
Crushed wheat, rolled oats, acorn meal, or corn meal.....	20 pounds.

Dissolve the strychnine and borax in 2 quarts of hot water in a closed vessel, stirring occasionally for twenty minutes or until completely dissolved. Then add 4 quarts warm water (in which one-fourth pound of honey may be dissolved) and sprinkle the solution over the crushed grain or meal, stirring or mixing thoroughly until absorbed. Half a teaspoonful of this should be placed close to the entrance of each occupied burrow.

Poisoned whole grain sown broadcast is effective, but kills so many doves, larks, quail, and other valuable birds that it is not recommended.

Ordinary wheat flour and pulverized strychnine, in the proportion of 1 ounce of strychnine to 20 pounds of flour, mixed dry, has proved

efficient in the case of the large Columbia ground squirrel of eastern Washington and is worth trying in California.

Cut pieces of carrot and sugar beet into which crystals of strychnine have been introduced serve admirably to destroy the squirrels in gardens and orchards, but their preparation involves too much labor to be profitable where poisoning on a large scale is necessary.

Phosphorus and cyanide of potassium, owing to the great danger attending their use, are not recommended.

Bisulphid of carbon.—Crude bisulphid, suitable for killing prairie dogs and other burrowing animals, costs about 8 cents per pound in 50-pound carboys or drums. It is a volatile liquid and rapidly loses strength on exposure to the air; hence, it should be kept in tightly corked bottles or cans. It should not be introduced haphazard, but should be used only in burrows where the animals have been seen to enter immediately before it is applied, so that none may be wasted on unoccupied holes. It should be employed in the following manner:

A tablespoonful of crude bisulphid should be poured on a piece of horse manure, corncob, lump of earth, or other absorptive material; this should be thrown as far as possible down the burrow and the opening should be closed immediately. Bisulphid can be used to best advantage after a rain, when the interspaces in the soil are filled with water, so that the fumes are less readily diffused into the surrounding ground.

UNITED STATES.

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

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

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Week ended December 12.

Last case of human plague.....	Sickened, January 30, 1908
Sick inspected	5
Plague.....	0
Dead inspected.....	100
Plague.....	0
Necropsies held	6
Premises inspected	11,707
Houses disinfected	19
Houses destroyed	1
Buildings condemned.....	17
Nuisances abated.....	1,129
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Rats found dead.....	77
Rats trapped.....	1,991
Total rats taken	<hr/> 2,068 <hr/>
Rats identified:	
<i>Mus norvegicus</i>	1,374
<i>Mus rattus</i>	44
<i>Mus musculus</i>	600
Total	<hr/> 2,018 <hr/>

Rats identified as to sex.....	1,385
Male.....	578
Female.....	807
Rats examined bacteriologically.....	1,272
Plague rats.....	0
Certificates of inspection of freight.....	1
Poisons placed.....	95,743

OAKLAND, CAL.

Week ended December 5.

Dead inspected.....	23
Plague.....	0
Necropsies held.....	1
Rats trapped.....	557
Rats examined bacteriologically.....	552
Plague rats.....	0
Mice trapped.....	34
Mice examined bacteriologically.....	34
Plague mice.....	0

Week ended December 12.

A plague-infected rat, trapped December 1, 1908, in Fourth street, between Harrison and Webster streets, proved, December 10, to be plague infected.

Dead inspected.....	21
Plague.....	0
Rats trapped.....	443
Mice trapped.....	48
Rats examined bacteriologically.....	435
Plague rat.....	1
Mice examined bacteriologically.....	48
Plague mice.....	0

POINT RICHMOND, CAL.

Week ended December 5.

Premises inspected.....	490
Nuisances abated.....	29
Rats found dead.....	17
Rats trapped.....	56
Rats examined bacteriologically.....	58
Plague rats.....	0
Poisons placed.....	14,000

ALAMEDA COUNTY, CAL.

Week ended December 5.

Sick inspected.....	12
Plague.....	0
Dead inspected.....	57
Plague.....	0
Necropsies held.....	1

Week ended December 12.

Sick inspected.....	11
Plague.....	0
Dead inspected.....	39
Plague.....	0
Necropsies held.....	1

CONTRA COSTA COUNTY, CAL.

Week ended December 5.

Dead inspected.....	2
Plague.....	0

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

Passed Assistant Surgeon Stimson reports, December 9 and 15 :

Animals examined in the laboratory at Los Angeles, November 30 to December 6, inclusive:

Ground squirrels	225
Gray rats	227
Black rats.....	12
Gambel pocket mice.....	3
Rabbit.....	1
Total	468

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

December 7 to 13, inclusive.

Ground squirrels	252
Gray rats	208
Black rats.....	20
White rats.....	6
Gambel pocket mice.....	2
Rabbits.....	2

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

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

Passed Assistant Surgeon Glover reports, December 14 :

Week ended December 12.

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

Rats received.....	948
Rats necropsied.....	893
Plague rats found.....	0
Plague-infected rats to date.....	21
Vessels inspected.....	9
Vessels fumigated.....	2

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

CALIFORNIA.—Month of October, 1908. Estimated population, 2,001,193. Total number of deaths reported to the state board of health, 2,410, including diphtheria 23, enteric fever 60, measles 3, scarlet fever 6, whooping cough 4, and 334 from tuberculosis.

Los Angeles.—Month of November, 1908. Estimated population, 275,000. Total number of deaths reported, 301, including diphtheria 5, enteric fever 5, scarlet fever 3, and 62 from tuberculosis. Cases of contagious diseases reported: Diphtheria 26, enteric fever 22, scarlet fever 47, measles 3, smallpox 1, and tuberculosis 21.

San Diego.—Month of November, 1908. Estimated population 40,000. Total number of deaths, 44, including diphtheria 1, and 8 from

tuberculosis. Cases: Scarlet fever 5, diphtheria 1, enteric fever 1, and smallpox 14.

INDIANA.—Month of October, 1908. Estimated population, 2,648,594. Total number of deaths, 2,674, including tuberculosis 304, enteric fever 129, diphtheria 43, scarlet fever 4, measles 4, and 7 from whooping cough.

Morbidity: Diphtheria, 596 cases in 49 counties; enteric fever, 464 cases in 72 counties; smallpox, 54 cases in 10 counties; tuberculosis, 304.

IOWA.—Reports to the state board of health for the quarter ended September 30, 1908. Estimated population, 2,500,000. Total number of deaths, 4,455, including diphtheria 297, enteric fever 73, measles 3, scarlet fever 3, whooping cough 46, smallpox 4, and 313 from tuberculosis.

MINNESOTA—*Stillwater*.—Month of November, 1908. Estimated population, 12,435. Total number of deaths, 15, including 1 from tuberculosis. Cases: Smallpox 1, diphtheria 1, and tuberculosis 1.

NEW HAMPSHIRE—*Manchester*.—Month of November, 1908. Estimated population, 64,793. Total number of deaths, 100, including diphtheria 8, enteric fever 1, and 5 from tuberculosis. Cases: Diphtheria 61, enteric fever 6, measles 2, and scarlet fever 3.

NEW YORK.—Month of October, 1908. Estimated population, 8,546,356. Reports to the state department of health show as follows: Total number of deaths, 10,880, corresponding to an annual death rate of 15.3 per 1,000 of the population, including enteric fever 169, measles 13, scarlet fever 50, whooping cough 33, diphtheria 172, and 1,245 from tuberculosis. Cases: Diphtheria 1,805, enteric fever 923, measles 606, scarlet fever 1,254, smallpox 92, and tuberculosis 2,328.

OHIO—*Cleveland*.—Month of November, 1908. Estimated population, 515,000. Total number of deaths, 596, including diphtheria 24, enteric fever 11, whooping cough 1, scarlet fever 4, and 60 from tuberculosis. Cases of contagious disease not reported.

OREGON.—Month of September, 1908. Reports to the state board of health from 34 counties show as follows: Total number of deaths, 462, including diphtheria 6, enteric fever 9, scarlet fever 3, and 30 from tuberculosis. Cases: Diphtheria 34, enteric fever 81, scarlet fever 9, smallpox 32, and tuberculosis 9.

Month of October, 1908. Reports to the state board of health from 34 counties show as follows: Total number of deaths, 399, including tuberculosis 34, enteric fever 20, diphtheria 6. Cases: Tuberculosis 13, enteric fever 77, diphtheria 43, scarlet fever 25, measles 9, and smallpox 52.

PANAMA—*Panama, Colon, and Canal Zone*.—Month of October, 1908. Estimated population, 125,503. Total number of deaths 292, corresponding to an annual death rate of 27.91 per 1,000, including enteric fever 5, malarial fever 22, diphtheria 1, beriberi 8, and 38

from tuberculosis. Of this number 47 occurred among the employees of the Isthmian Canal Commission and Panama Railroad Company, corresponding to an annual death rate of 12.93 per 1,000, of which 7.70 was due to disease, including malarial fever 6, enteric fever 3, and 3 from tuberculosis. Total number of employees, 44,593.

PENNSYLVANIA—*Altoona*.—Month of November, 1908. Estimated population, 60,000. Total number of deaths, 44, including enteric fever 1 and 1 from tuberculosis.

TENNESSEE—*Nashville*.—Month of November, 1908. Estimated population, 124,769. Total number of deaths, 150, including enteric fever 5, diphtheria 2, measles 1, whooping cough 1, and 17 from tuberculosis. Cases: Diphtheria 22, scarlet fever 40, smallpox 1, enteric fever 27, and pulmonary tuberculosis 4.

UTAH—*Salt Lake City*.—Month of November, 1908. Estimated population, 85,000. Total number of deaths, 110, including enteric fever 7, scarlet fever 1, and 10 from tuberculosis. Cases: smallpox 36, scarlet fever 28, diphtheria 15, measles 1, enteric fever 12, and whooping cough 14.

WASHINGTON—*Spokane*.—Month of November, 1908. Estimated population, 90,000. Total number of deaths, 86, including diphtheria 2, enteric fever 2, and 6 from tuberculosis. Cases: Smallpox 3, measles 2, scarlet fever 36, diphtheria 40, and enteric fever 15.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, June 27 to December 25, 1908.

[For reports received from December 27, 1907, to June 26, 1908, see PUBLIC HEALTH REPORTS for June 26, 1908.]

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

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Huntsville	Jan. 5-June 18	95	And vicinity.
Mobile.....	June 7-Aug. 29.....	10	.....
Total for State.....		95	.....
Arkansas:				
Sulphur Rock	Aug. 25-Nov. 9.....	14	Present.
Texarkana	Dec. 1-June 15.....		.....
Total for State.....		14	.....
California:				
Angel Island Quarantine Station.	Jan. 1-May 18	5 additional cases. Report received out of date.
Berkeley	Sept. 17-Oct. 17	4	In vicinity. July 13, 1 case on schr. Alumna
Cedarville	July 1-Aug. 31	5	.....
Los Angeles	June 7-Nov. 7	7	.....
Oakland	Apr. 1-Oct. 31	20	.....
Sacramento	May 1-Oct. 31	12	.....
San Bernardino	Dec. 11-July 11	54	.....
San Diego County	June 1-Nov. 30	109	.....
Escondido.....	June 1-Aug. 3	15	June 1-13, mainly on Pala Indian Reservation.
San Diego	June 1-Oct. 31	39	.....
San Francisco	June 6-Dec. 3	114	1	
Stockton	July 1-31	1	.....
Total for State.....		380	1	

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Colorado:				
Adams County	Jan. 1-Mar. 31	3		
Bent County	Apr. 1-June 30	2		
Boulder County	Apr. 1-June 30	4		
Chaffee County	Jan. 1-Mar. 31	1		
Cheyenne County	Jan. 1-Mar. 31	1		
Denver County	Jan. 1-June 30	108		
Douglas County	Apr. 1-June 30	1		
Eagle County	Jan. 1-Mar. 31	9		
Elbert County	Jan. 1-Mar. 31	3		
El Paso County—				
Colorado City	Jan. 1-June 30	8		
Colorado Springs	Apr. 1-June 30	10		
Garfield County	Jan. 1-Mar. 30	17		
Huerfano County	Jan. 1-June 30	18		
Jefferson County	Jan. 1-Mar. 30	19		
Larimer County	Jan. 1-June 30	3		
Las Animas County	Jan. 1-Mar. 31	9		
Lincoln County	Jan. 1-Mar. 31	19		
Montrose County	Apr. 1-June 30	3		
Montezuma	Jan. 1-Mar. 31	3		
Morgan County	Apr. 1-June 30	3		
Otero County	Jan. 1-June 30	40		
Frowers County	Jan. 1-Mar. 31	1		
Pueblo County	Jan. 1-June 30	6		
Routt County	Apr. 1-June 30	2		
San Juan County	Jan. 1-Mar. 31	4		
Sedgwick County	Jan. 1-Mar. 31	8		
San Miguel County	Apr. 1-June 30	1		
Teller County	Jan. 1-June 30	2		
Cripple Creek	Jan. 1-June 30	15		
Weld County	Jan. 1-Apr. 30	9		
Yuma County	Apr. 1-June 30	8		
Total for State		340		
Delaware:				
Reedy Island Quarantine Station.	Aug. 9	1		From s. s. Haverford.
Total for State		1		
District of Columbia:				
Washington	June 14-Nov. 21	19		
Total for District		19		
Florida:				
Jacksonville	Oct. 4-10	1		
Tampa	Oct. 4-12	1		
Total for State		2		
Idaho:				
Carey	May 21-Aug. 4	21		
Total for State		21		
Illinois:				
Alexander County	May 1-31	3		
Carroll County	May 1-31	5		
Cairo	Oct. 1-31	7		
Cass County	May 1-31	34		
Champaign County	May 1-31	4		
Christian County	May 1-31	3		
Clark County	May 1-31	11		
Cook County—				
Chicago	June 14-Oct. 24	12		
Harvey	May 1-31	1		
Dupage County	May 1-31	1		
Efingham County	May 1-31	1		
Iroquois County	May 1-31	3		
Jo Daviess County	May 1-31	1		
Kane County	May 1-31	37		
Macon County	May 1-31	5		
Macoupin County	May 1-31	5		
Marshall County	May 1-31	9		
McLean County	May 1-31	5		
Mercer County	May 1-31	1		
Montgomery County	May 1-31	7		
Morgan County	May 1-31	20		
Jacksonville	June 1-30	10		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Peoria County.....	May 1-31.....	12		
Saline County.....	May 1-31.....	5		
Sangamon County—				
Springfield.....	June 19-Dec. 3....	7		
Stevenson County.....	May 1-31.....	25		
Tazewell County.....	May 1-31.....	64		
Vermilion County—				
Danville.....	Nov. 30-Dec. 1....	1		
Warren County.....	May 1-31.....	6		
Will County.....	May 1-31.....	1		
Joliet.....	May 1-31.....	19		
Total for State.....		325		
Indiana:				
Allen County.....	Apr. 1-June 30....	4		
Fort Wayne.....	June 21-Nov. 7....	8		
Bartholomew County.....	Apr. 1-30.....	1		
Boone County.....	Apr. 1-June 30....	4		
Carroll County.....	May 1-Sept. 30....	77	1	
Clark County.....	Apr. 1-July 31....	39		
Jeffersonville.....	June 1-July 31....	25	1	
Clay County.....	Aug. 1-31.....	8		
Decatur County.....	Aug. 1-Sept. 30....	6		
Dearborn County.....	Apr. 1-June 30....	5		
Dekalb County.....	Apr. 1-June 30....	15		
Delaware County.....	Apr. 1-June 30....	23		
Elkhart County—				
Elkhart.....	Oct. 25-Dec. 12....	7		
Floyd County.....	June 1-30.....	1		
Fountain County.....	June 1-30.....	4		
Fulton County.....	Apr. 1-30.....	19		
Grant County.....	Apr. 1-June 30....	55		
Hendricks County.....	Apr. 1-30.....	1		
Howard County.....	Apr. 1-30.....	15		
Huntington County.....	Apr. 1-30.....	38		
Jackson County.....	Apr. 1-Sept. 30....	5		
Jefferson County.....	June 1-30.....	6		
Johnson County.....	Apr. 1-Aug. 31....	13		
Knox County.....	Apr. 1-May 31....	31		
Laporte County.....	Apr. 1-30.....	2		
Lawrence County.....	Apr. 1-30.....	12		
Madison County.....	Apr. 1-Aug. 31....	10		
Marion County.....	Apr. 1-June 30....	41		
Indianapolis.....	June 8-Oct. 11....	64	1	
Marshall County.....	Apr. 1-30.....	1		
Miami County.....	Apr. 1-30.....	16		
Morgan County.....	Apr. 1-30.....	2		
Newton County.....	Apr. 1-30.....	2		
Noble County.....	Apr. 1-June 30....	15		
Orange County.....	Apr. 1-30.....	1		
Owen County.....	Apr. 1-30.....	4		
Park County.....	June 1-30.....	1		
Perry County.....	Sept. 1-30.....	1		
Porter County.....	June 1-30.....	1		
St. Joseph County.....	June 1-Sept. 30....	12		
South Bend.....	June 29-Sept. 26....	18		
Scott County.....	June 1-30.....	2		
Shelby County.....	Apr. 1-30.....	35	1	
Steuven County.....	May 1-31.....	30		
Sullivan County.....	Apr. 1-30.....	9		
Tippecanoe County.....	Apr. 1-May 31....	11		
Lafayette.....	June 21-Dec. 14....	31		
Tipton County.....	Apr. 1-30.....	1		
Vanderburg County.....	June 1-30.....	1		
Wabash County.....	Apr. 1-30.....	14		
Warrick County.....	Apr. 1-30.....	1		
Wayne County.....	Apr. 1-Sept. 30....	17		
Wells County.....	Apr. 1-30.....	1		
Vigo County.....	May 1-June 30....	12		
Terre Haute.....	Nov. 1-7.....	1		
Total for State.....		774	4	
Iowa, general				
Jan. 1-June 30.....		2,092		
Adair County.....	Oct. 1-31.....	11		
Audubon County.....	Oct. 1-31.....	1		
Buchanan County.....	Oct. 1-31.....	1		
Cass County.....	Oct. 1-31.....	1		
Des Moines County—				
Burlington.....	June 15-Nov. 30....	8		
Johnson County.....	Oct. 1-30.....	1		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Iowa—Continued.				
Lee County—				
Keokuk	June 1-30	1		
Linn County—				
Cedar Rapids	June 1-July 1	4		
Mill County	Oct. 1-30	8		
Monroe County	Oct. 1-Nov. 30	19		
Page County	Nov. 1-30	7		
Scott County—				
Davenport	June 2-Oct. 31	4		
Wayne County	Oct. 1-31	1		
Warren County	Nov. 1-30	2		
Wright County	Oct. 1-31	2		
Woodbury County—				
Sioux City	June 1-Aug. 31	8		
Total for State		2,166		
Kansas:				
Allen County	Apr. 1-Sept. 30	29		
Anderson County	Apr. 1-30	6		
Atchison County	Apr. 1-July 31	70		
Atchison	Apr. 1-Aug. 30	30		
Barber County	June 1-30	1		
Barton County	Apr. 1-Oct. 31	11		
Bourbon County	Apr. 1-June 30	24		
Butler County	May 1-June 30	29		
Chase County	Apr. 1-Sept. 30	15		
Cherokee County	Apr. 1-June 30	14		
Cheyenne County	Apr. 1-30	2		
Clay County	May 1-31	2		
Cloud County	May 1-Sept. 30	6		
Crawford County	Apr. 1-June 30	6		
Pittsburg	Apr. 1-30	8		
Decatur County	June 1-30	4		
Dickinson County	July 1-31	2		
Doniphan County	Apr. 1-30	3		
Douglas County	Apr. 1-Sept. 30	38		
Edwards County	Apr. 1-May 31	3		
Ford County	May 1-June 30	2		
Franklin County	Apr. 1-May 31	3		
Geary County	July 1-31	1		
Graham County	June 1-30	2		
Greenwood County	Apr. 1-Aug. 30	12		
Hamilton County	Apr. 1-30	1		
Harper County	Apr. 1-Oct. 31	10		
Harvey County	Apr. 1-30	14		
Haskell County	Oct. 1-31	3		
Hodgeman County	Apr. 1-30	2		
Jackson County	Apr. 1-Oct. 31	50		
Jefferson County	Apr. 1-June 30	11		
Jewell County	May 1-31	3		
Kingman County	Apr. 1-July 31	26		
Labette County	Apr. 1-June 30	24		
Parsons	Apr. 1-Aug. 30	49		
Leavenworth County	Apr. 1-June 30	62		
Leavenworth	May 1-31	3		
Lincoln County	Apr. 1-July 31	7		
Linn County	Apr. 1-June 30	21		
Lyon County	Apr. 1-July 31	32		
Marion County	June 1-Sept. 30	11		
McPherson County	May 1-July 31	3		
Meade County	June 1-30	6		
Miami County	Apr. 1-30	5		
Montgomery County	Apr. 1-July 31	25		
Coffeyville	May 1-July 31	8		
Morris County	Apr. 1-30	14		
Nemaha County	Apr. 1-July 31	80		
Neosho County	Apr. 1-30	2		
Osage County	Apr. 1-May 31	2		
Pawnee County	May 1-June 30	6		
Pottawatomie County	Apr. 1-Oct. 31	32		
Pratt County	May 1-July 31	13		
Rawlins County	Aug. 1-31	2		
Reno County	Apr. 1-May 31	14		
Republic County	Apr. 1-Oct. 31	18		
Rooks County	July 1-31	1		
Rush County	May 1-31	6		
Saline County	Apr. 1-Oct. 31	18		
Scott County	Oct. 1-31	1		
Sedgwick County	Apr. 1-June 30	28		
Wichita	July 12-Nov. 7	4		
Seward County	May 1-June 30	21		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Shawnee County.....	Apr. 1—Oct. 31.....	35		
Topeka.....	June 7—Dec. 12.....	57		
Smith County.....	Apr. 1—30.....	7		
Stevens County.....	Apr. 1—30.....	1		
Sumner County.....	Apr. 1—30.....	3		
Trego County.....	Apr. 1—30.....	22		
Washington County.....	Apr. 1—30.....	2		
Wilson County.....	June 1—Sept. 30.....	20		
Wyandotte County.....	May 1—31.....	7		
Kansas City.....	June 8—Dec. 19.....	10		
Total for State.....		1,125		
Kentucky:				
Covington.....	June 21—Nov. 28.....	13		
Lawrenceburg.....	Oct. 8—31.....	8	1	
Lexington.....	July 12—Nov. 14.....	5		
Total for State.....		26	1	
Louisiana:				
New Orleans.....	June 14—Dec. 5.....	22	1	Mainly imported.
Total for State.....		22	1	
Maine:				
General.....	Nov. 1—7.....	12		Along the Maine-Canadian border. Dec. 12, still present
Aroostook County.....	Sept. 1—30.....	1		Present.
Fort Kent.....	Oct. 15.....			
Frenchville.....	Nov. 1—Dec. 5.....	2		
Grant Isle.....	Oct. 15.....			Do.
Cyr Plantation.....	Oct. 15.....			
St. Agatha.....	Nov. 1—28.....	3		
St. David.....	Nov. 22—28.....	2		
Van Buren.....	Sept. 1—30.....	6		
Total for State.....		26		
Maryland:				
Baltimore.....	July 5—11.....	1		
Total for State.....		1		
Massachusetts, general.....				
Lawrence.....	May 1—31.....	1		
	Sept. 13—Oct. 3.....	1	1	
Total for State.....		2	1	
Michigan:				
Alcona County.....	Oct. 1—31.....	2		
Allegan County.....	May 1—31.....	18		
Alpena County.....	July 1—31.....	4		
Barry County.....	July 1—31.....	1		
Bay County.....	May 1—Oct. 31.....	11		
Benzie County.....	May 1—Nov. 30.....	21		
Berrien County.....	May 1—Nov. 30.....	2		
Branch County.....	May 1—31.....	2		
Calhoun County.....	May 1—Aug. 31.....	36		
Battle Creek.....	May 1—June 30.....	25		
Charlevoix County.....	July 1—31.....	1		
Cass County.....	May 1—31.....	17		
Chippewa County.....	June 1—Nov. 30.....	7		
Sault de Saint Marie.....	May 1—Nov. 30.....	8		
Clare County.....	May 1—31.....	3		
Eaton County.....	June 1—July 31.....	7	1	
Emmet County.....	May 1—31.....	1		
Grand Traverse County.....	May 1—June 30.....	12		
Gratiot County.....	June 1—30.....	2		
Hillsdale County.....	May 1—June 30.....	3		
Houghton County.....	May 1—Aug. 31.....	45		
Huron County.....	May 1—July 31.....	25		
Ingham County—				
Lansing.....	July 1—Oct. 31.....	4		
Ionia County.....	May 1—July 31.....	11		
Jackson County.....	May 1—June 30.....	10		
Kalamazoo County.....	May 1—Nov. 30.....	8		
Kent County.....	June 1—Nov. 30.....	14		
Keweenaw County.....	July 1—31.....	1		
Lake County.....	May 1—31.....	8		
Lapeer County.....	May 1—June 30.....	2		
Leelanau County.....	Aug. 1—31.....	1		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Michigan—Continued.				
Lenawee County.....	July 1–Nov. 30.....	14		
Macomb County.....	Oct. 1–31.....	4		
Manistee County—				
Manistee.....	May 1–31.....	1		
Marquette County.....	July 1–31.....	1		
Mason County.....	May 1–June 30.....	4		
Midland County.....	May 1–31.....	1		
Missaukee County.....	May 1–July 31.....	8		
Montcalm County.....	May 1–31.....	3		
Muskegon County.....	May 1–Oct. 31.....	56		
Newaygo County.....	May 1–July 31.....	8		
Oakland County.....	June 1–30.....	3		
Oceana County.....	Oct. 1–31.....	1		
Oceola County.....	June 1–30.....	1		
Ottawa County.....	July 1–31.....	1		
Otsego County.....	June 1–30.....	8		
Saginaw County.....	May 1–Nov. 30.....	36		
Saginaw.....	June 21–Nov. 23.....	10		
St. Clair County.....	May 1–Nov. 30.....	27		
Port Huron.....	May 1–July 31.....	10	1	
St. Joseph County.....	June 1–30.....	1		
Shiawassee County.....	May 1–31.....	1		
Tuscola County.....	July 1–Nov. 30.....	3		
Van Buren County.....	Aug. 1–31.....	1		
Wayne County, Detroit.....	July 4–Aug. 1.....	2		
Wexford County.....	May 1–July 31.....	22		
Total for State.....		538	2	
Minnesota:				
Aitkin County.....	Apr. 1–July 20.....	10		
Anoka County.....	Apr. 28–Sept. 27.....	6		
Becker County.....	Apr. 28–July 13.....	123		
Beltrami County.....	July 21–Aug. 3.....	4		
Benton County.....	Apr. 28–July 20.....	12		
Bigstone County.....	Apr. 7–May 17.....	1		
Blue Earth County.....	Apr. 21–July 6.....	25		
Brown County.....	Mar. 31–Sept. 13.....	19		
Carlton County.....	June 16–29.....	2		
Carver County.....	Apr. 28–Aug. 10.....	30		
Cass County.....	June 1–8.....	1		
Chippewa County.....	Apr. 21–Sept. 27.....	15		
Chisago County.....	Apr. 14–July 6.....	3		
Clay County.....	Apr. 28–July 20.....	26		
Cottonwood County.....	July 20–27.....	2		
Crow Wing County.....	Apr. 28–Oct. 3.....	17		
Dakota County.....	Apr. 28–July 27.....	9		
Douglas County.....	June 9–15.....	2		
Faribault County.....	May 4–July 13.....	23		
Fillmore County.....	May 4–Aug. 24.....	17		
Freeborn County.....	May 4–10.....	1		
Goodhue County.....	May 4–June 29.....	21		
Grant County.....	Sept. 7–13.....	2		
Hennepin County.....	Apr. 28–Aug. 24.....	51		
Minneapolis.....	June 1–Oct. 31.....	56		
Houston County.....	Apr. 28–June 15.....	3		
Hubbard County.....	Apr. 28–Sept. 20.....	32		
Isanti County.....	Apr. 28–May 17.....	5		
Itasca County.....	Apr. 7–June 15.....	20		
Jackson County.....	Apr. 13–Sept. 13.....	40		
Kanabec County.....	May 4–10.....	5		
Kandiyohi County.....	May 4–15.....	16		
Kitson County.....	Apr. 14–Sept. 13.....	4		
Koochiching County.....	May 25–June 29.....	8		
Lac qui Parle County.....	May 4–July 6.....	16		
Lake County.....	May 27–July 27.....	14		
Lesueur County.....	Apr. 28–Aug. 31.....	17		
Lincoln County.....	June 4–Sept. 6.....	4		
Lyon County.....	May 4–Oct. 3.....	4		
McLeod County.....	May 24–June 8.....	3		
Marshall County.....	June 29–Sept. 6.....	4		
Martin County.....	Apr. 28–June 15.....	5		
Meeker County.....	Apr. 28–July 20.....	31		
Millelacs County.....	Apr. 28–June 15.....	4		
Morrison County.....	Apr. 28–Sept. 27.....	30		
Mower County.....	May 17–June 22.....	6		
Murray County.....	July 6–Aug. 24.....	8		
Nicollet County.....	Apr. 28–June 1.....	14		
Nobles County.....	Apr. 28–Aug. 3.....	5		
Norman County.....	May 10–June 22.....	3		
Olmsted County.....	Apr. 28–Sept. 27.....	16		
Ottertail County.....	Apr. 28–Sept. 6.....	45		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Pine County.....	May 17-June 22...	9		
Pipestone County.....	June 1-27.....	3		
Polk County.....	Apr. 28-Oct. 3.....	17		
Pope County.....	Apr. 28-May 3.....	1		
Ramsey County.....	Apr. 28-Sept. 13.....	13		
St. Paul.....	May 1-Sept. 30.....	194		
Red Lake County.....	May 4-Sept. 13.....	13		
Redwood County.....	Apr. 28-Aug. 3.....	14		
Renville County.....	May 10-Sept. 13.....	7		
Rice County.....	Apr. 28-June 22.....	6		
Rock County.....	Apr. 28-June 8.....	3		
Roseau County.....	May 4-July 6.....	3		
St. Louis County.....	Apr. 28-June 15.....	9		
Duluth.....	Apr. 28-Aug. 31.....	230		
Scott County.....	Apr. 28-July 27.....	149		
Sibley County.....	Apr. 27-Oct. 6.....	26		
Stearns County.....	Apr. 28-Sept. 20.....	69		
Steele County.....	Apr. 28-Sept. 6.....	18		
Stevens County.....	Apr. 28-June 29.....	9		
Swift County.....	Apr. 28-June 22.....	18		
Todd County.....	Apr. 28-Aug. 10.....	66		
Wabasha County.....	Apr. 28-Sept. 6.....	10		
Wadena County.....	July 20-Aug. 31.....	7		
Wantwan County.....	Sept. 7-13.....	1		
Washington County.....	May 24-July 13.....	7		
Stillwater.....	Nov. 1-30.....	1		
Wilkin County.....	Apr. 28-July 6.....	6		
Winona County.....	May 4-July 13.....	6		
Winona.....	June 21-July 18.....	2		
Wright County.....	Apr. 29-Aug. 11.....	50		
Yellow Medicine County..	May 4-Aug. 11.....	16		
Total for State.....		1,828		
Missouri:				
Cartersville.....	Nov. 2.....	6		July to September, present.
Conway.....	Apr. 20-June 19.....	29		Present and in vicinity.
Durham.....	May 1-July 1.....	7		And vicinity.
Kansas City.....	June 14-Aug. 8.....	6		Do.
La Belle.....	May 1-July 1.....	7		
Lewiston.....	May 1-July 1.....	18		
Monticello.....	May 1-July 1.....	1		
St. Joseph.....	June 7-Aug. 29.....	32		
St. Louis.....	June 14-Nov. 28.....	9		
Total for State.....		108		
Montana:				
Beaverhead County.....	July 1-31.....	1		
Carbon County.....	July 1-Aug. 31.....	5		
Cascade County.....	May 1-Oct. 31.....	7		
Chouteau County.....	May 1-Oct. 31.....	25		
Custer County.....	Aug. 1-31.....	1		
Dawson County.....	June 1-30.....	2		
Deerlodge County.....	May 1-31.....	1		
Fergus County.....	May 1-July 31.....	9		
Flathead County.....	May 1-Oct. 31.....	77		
Gallatin County.....	May 1-Oct. 31.....	45		
Bozeman.....	June 1-Oct. 31.....	119		
Lewis and Clark County..	May 1-31.....	3		
Helena.....	May 1-June 30.....	5		
Meagher County.....	May 1-July 31.....	2		
Missoula County.....	May 1-July 31.....	7		
Missoula.....	May 1-June 30.....	3		
Park County.....	July 1-Sept. 30.....	3		
Ravalli County.....	May 1-Oct. 31.....	17		
Rosebud County.....	June 1-30.....	2		
Sanders County.....	July 1-31.....	1		
Silverbow County.....	Aug. 1-31.....	4		
Butte.....	June 1-Dec. 1.....	22		
Teton County.....	July 1-31.....	2		
Valley County.....	May 1-31.....	4		
Yellowstone County.....	Oct. 1-31.....	76		
Total for State.....		443		
Nebraska:				
Friend.....	Apr. 15-June 18.....	13		
Lincoln.....	Mar. 1-Oct. 31.....	23		
South Omaha.....	June 7-13.....	1		
Total for State.....		37		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
New Jersey:				
Fort Hancock	July 30	1		
Total for State		1		
New York, general	May 1-Oct. 31	209		
New York	June 14-Oct. 17	3	1	
Niagara Falls	June 14-20	1		
Schenectady	June 1-30	2		
Total for State		215	1	
North Carolina:				
Anson County	May 1-31	30		
Bertie County	Oct. 1-31	2		
Bladen County	July 1-31	1		
Cabarrus County	Apr. 1-May 31	38		
Camden County	Apr. 1-July 31	30		
Caswell County	June 1-30			
Chatham County	Apr. 1-Aug. 31	7		Present.
Chowan County	Apr. 1-May 31	13		
Cleveland County	Apr. 1-July 31	10		
Currituck County	Sept. 1-30			Do.
Davie County	Apr. 1-30	4		
Forsyth County	Apr. 1-30	1		
Gates County	Apr. 1-30	3		
Guilford County	Apr. 1-30	6		
Greensboro	Aug. 12-22	1		
Haywood County	Aug. 1-31	5		
Johnston County	Apr. 1-Sept. 30	53		
McDowell County	Aug. 1-31	1		
Mecklenburg County—				
Charlotte	June 14-Aug. 15	4		
Nash County	Sept. 1-30	4		
New Hanover County	Apr. 1-May 31	6		
Orange County	Apr. 1-May 31	3		
Pasquotank County	Aug. 1-31	9		Present in July.
Richmond County	May 1-Oct. 31	3		
Rowan County	Apr. 1-May 31	26		
Rutherford County	Apr. 1-30	12		
Wayne County	Apr. 1-30	5		
Yadkin County	Apr. 1-30	2		
Total for State		279		
North Dakota:				
Bismarck	Mar. 1-Sept. 30	38		
Total for State		38		
Ohio, general	Apr. 25-June 13	200		
Canton	June 7-13	1		
Cincinnati	June 20-Dec. 11	46		
Columbus	Sept. 1-Oct. 31	5		
Conneaut	Sept. 1-30	5		And vicinity
Dayton	June 14-Oct. 10	18		
Springfield	July 12-18	1		
Toledo	June 14-Aug. 16	12		
Troy	Apr. 15-July 3	28		
Zanesville	Aug. 1-31	1		
Total for State		317		
Oregon:				
Portland	Apr. 1-Oct. 30	211		
Total for State		211		
Pennsylvania:				
Philadelphia	Aug. 30-Sept. 4	1		
Total for State		1		
Rhode Island:				
Pawtucket	June 12-29	1		
Total for State		1		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
South Carolina:				
General	Jan. 1-June 30....	170	1	
Total for State.....		170	1	
Tennessee:				
Dekalb County.....	Sept. 15-Nov. 3....	29		Including Dowlletown.
Knoxville.....	June 21-Dec. 5....	3		
Livingston.....	June 13-Apr. 11....	9	1	Imported.
Mechanicsburg.....	Sept. 16.....	1		
Nashville.....	June 14-Nov. 21....	4		
Coulterville.....	Sept. 9-Nov. 4....	30		
Stanton.....	Sept. 10-Nov. 9....	21		
Total for State.....		97	1	
Texas:				
Encinal.....	Oct. 22-Nov. 26....	49		Present.
Fort Worth.....	May 1-31.....	9		
San Antonio.....	June 14-Dec. 12....	14		
Total for State.....		72		
Utah:				
Boxelder County.....	Oct. 1-31.....	2		
Cache County.....	May 1-Oct. 31....	3		
Carbon County.....	June 1-Oct. 31....	2		
Davis County.....	May 1-Sept. 30....	4	1	
Garfield County.....	Oct. 1-31.....	7		
Salt Lake County— Salt Lake City.....	May 1-Nov. 30....	97		
Uinta County.....	July 1-31.....	1		
Utah County.....	May 1-Aug. 31....	20		
Weber County.....	May 1-June 30....	21		
Total for State.....		157	1	
Vermont:				
Bellows Falls.....	Nov. 15-Dec. 4....	1		
Brattleboro.....	Nov. 1-Dec. 4....	60		
Dummerston.....	Nov. 1-Dec. 4....	2		
East Dover.....	Nov. 1-Dec. 4....	27		
Halifax.....	Nov. 1-Dec. 4....	2		
Putney.....	Dec. 4.....	1		
South Londonderry.....	Nov. 1-Dec. 4....	2		
West Charleston.....	Dec. 4.....	1		Imported.
Whiting.....	May 5.....	1		
Total for State.....		97		
Virginia:				
Alexandria.....	June 25-27.....	13		
Waynesboro.....	June 1-July 31....	20		
Total for State.....		33		
Washington:				
Seattle.....	May 1-Sept. 30....	40		
Spokane.....	June 7-Nov. 14....	78		
Tacoma.....	June 8-Nov. 1....	9		
Total for State.....		125		
West Virginia:				
Charleston.....	Aug. 1-31.....	2		
Moundsville.....	June 17-July 2....	1		
Total for State.....		3		
Wisconsin:				
Adams County.....	Apr. 1-June 30....	1		
Ashland County.....	Apr. 1-June 30....	8		
Barron County.....	Apr. 1-June 30....	10		
Bayfield County.....	Apr. 1-June 30....	8		
Brown County.....	Apr. 1-June 30....	1		
Buffalo County.....	Apr. 1-June 30....	6		
Calumet County.....	Apr. 1-June 30....	5		
Chippewa County.....	Apr. 1-June 30....	50		
Clark County.....	Apr. 1-June 30....	7		
Crawford County.....	Apr. 1-June 30....	7		
Dane County.....	Apr. 1-June 30....	3		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Wisconsin—Continued.				
Dodge County.....	Apr. 1-June 30.....	37		
Door County.....	Apr. 1-June 30.....	17		
Douglas County.....	Apr. 1-June 30.....	82		
Dunn County.....	Apr. 1-June 30.....	11		
Fond du Lac County.....	Apr. 1-June 30.....	3		
Green County.....	Apr. 1-June 30.....	8		
Jackson County.....	Apr. 1-June 30.....	10		
Jefferson County.....	Apr. 1-June 30.....	8		
Juneau County.....	Apr. 1-June 30.....	6		
Kewaunee County.....	Apr. 1-June 30.....	10		
La Crosse County— La Crosse.....	June 16-Dec. 12.....	46		
Manitowoc County.....	Apr. 1-June 30.....	27		
Manitowoc.....	Aug. 2-Dec. 5.....	49		
Marathon County.....	Apr. 1-June 30.....	10		
Marinette County.....	Apr. 1-June 30.....	23		
Milwaukee County.....	Apr. 1-June 30.....	9		
Milwaukee.....	June 14-Nov. 23.....	33	1	
Monroe County.....	Apr. 1-June 30.....	4		
Oconto County.....	Apr. 1-June 30.....	5		
Ontario County.....	Apr. 1-June 30.....	6		
Ozaukee County.....	Apr. 1-June 30.....	28		
Pepin County.....	Apr. 1-June 30.....	1		
Pierce County.....	Apr. 1-June 30.....	18		
Polk County.....	Apr. 1-June 30.....	5		
Portage County.....	Apr. 1-June 30.....	1		
Rock County.....	Apr. 1-June 30.....	6	1	
Rusk County.....	Apr. 1-June 30.....	3		
St. Croix County.....	Apr. 1-June 30.....	8		
Sauk County.....	Apr. 1-June 30.....	2		
Sheboygan County.....	Apr. 1-June 30.....	28		
Taylor County.....	Apr. 1-June 30.....	10		
Trempealeau County.....	Apr. 1-June 30.....	1		
Vernon County.....	Apr. 1-June 30.....	3		
Vilas County.....	Apr. 1-June 30.....	1		
Walworth County.....	Apr. 1-June 30.....	3		
Washburn County.....	Apr. 1-June 30.....	4		
Waukesha County.....	Apr. 1-June 30.....	11		
Waupaca County.....	Apr. 1-June 30.....	3		
Winnebago County.....	Apr. 1-June 30.....	6		
Wood County.....	Apr. 1-June 30.....	44		
Total for State.....		696	2	
Grand total, United States.....		10,806	16	

Plague in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, July 15-December 25, 1908.

Place.	Date.	Cases.	Deaths.	Remarks.
California:				
Alameda County— Oakland.....	July 21.....	1	1	
Contra Costa County— Concord.....	July 15.....	1	1	
Frenois Valley.....	July 24.....	1	1	10 miles from Martinez.
Los Angeles County— Los Angeles.....	August 11.....	1		

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

[For smallpox and plague, see special tables.]

Cities.	Week ended—	Popula- tion, United States census, 1900.	Total deaths from all causes.	Tuber- culosis.		Enteric fever.		Scarlet fever.		Diph- theria.		Measles.		Whoop- ing cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Ann Arbor, Mich.	Dec. 5	14,509	8		1									1	
Do	Dec. 12	14,509	4												
Baltimore, Md.	do	508,957	177	20	31	19	5	13		20	3	23		2	
Bayonne, N. J.	do	32,722						3		5		13			
Berkeley, Cal.	Dec. 5	13,214	7	2	2	2									
Biddeford, Me.	Dec. 12	16,145	5												
Binghamton, N. Y.	do	38,647	8		3										
Boston, Mass.	do	560,892	208	45	14	5	2	60	3	80	9	17	1	14	3
Braddock, Pa.	do	15,654	8					1		1				1	
Bradford, Pa.	do	15,029	6												
Brockton, Mass.	do	40,063	5	1				2							
Butte, Mont.	Dec. 1	30,470	10	2	1			2							
Cambridge, Mass.	Dec. 12	91,886	26	8	1	2	1	15		13		23		1	
Camden, N. J.	do	75,935	34	1		2		5		15	3				
Carbondale, Pa.	do	13,586	4							1					
Charlotte, N. C.	do	18,091	9		1			1		1					
Chelsea, Mass.	Dec. 12	34,072	8			1		1		1		1			
Chicago, Ill.	do	1,098,575	537	82	57	47	2	213	14	222	23	1	98	5	21
Chicopee, Mass.	do	19,167													
Cincinnati, Ohio.	Dec. 11	325,902	113	21	22	2	1	13	2	10		1	1		
Cleveland, Ohio.	do	381,768	118	35	14	7	4	22	1	46	3	1	9	1	6
Clinton, Mass.	Dec. 12	13,667	2		1										
Columbus, Ga.	do	17,614	3					2		3					
Covington, Ky.	do	42,988	13	1						3		1			
Danville, Ill.	Dec. 6	16,534	3					2		2					
Do	Dec. 13	16,534	4					3		1					
Dayton, Ohio.	Dec. 12	85,333	19		1							1			
Detroit, Mich.	do	265,704	131					7		25	5				
Dunkirk, N. Y.	do	11,616	6	3	2			2		2					
Elmira, N. Y.	do	35,672	7					2		2					
Erie, Pa.	do	52,733	13	7	1	4		16		7	1				
Evansville, Ind.	do	59,007	12		3	2				4					
Everett, Mass.	do	24,836	7		2	1		2		3					
Fall River, Mass.	do	104,963	33		2	1				2		3		1	
Findlay, Ohio.	do	17,613	3					4		2					
Fort Wayne, Ind.	do	45,115	12	1	1	8	1								
Galesburg, Ill.	do	13,607	5							1					
Galveston, Tex.	Dec. 11	37,789	16	3	5	3				4					
Glens Falls, N. Y.	Dec. 12	13,543	7		1					1					
Gloucester, Mass.	do	26,121	8		1				1						1
G'd Rapids, Mich.	do	87,565	25	4	4	1	2	27		2		1		2	
Greensboro, N. C.	do	10,085	6	1	1					1					
Harrison, N. J.	do	10,596	2	1	1			1							
Haverhill, Mass.	do	37,175	9			2				8					
Hoboken, N. J.	do	59,364								6	1	4			
Indianapolis, Ind.	Dec. 13	169,164	51	1	1	5	1	1		19		8			
Jacksonville, Fla.	Dec. 12	28,429	20		4	2	2			1	1				
Jersey City, N. J.	Dec. 13	206,433	83	1	4	1		14	1	8		59		1	
Johnstown, Pa.	Dec. 12	35,986	16					10		4		6			
Kalamazoo, Mich.	Dec. 5	24,404	10			1				2					
Do	Dec. 12	24,404	16	1		2		1						4	
Kansas City, Kans.	Dec. 5	57,418	11	1	1	3		6		1					
Kearny, N. J.	Dec. 6	10,896	5							3					
Do	Dec. 12	10,896	2							1				2	
Knoxville, Tenn.	Dec. 5	32,637	4		2					1		9			
Do	Dec. 12	32,631	4		4	1	1			1	1	4			
La Crosse, Wis.	Dec. 5	28,895	3												
Lancaster, Pa.	Dec. 11	41,459	17		2	1		1				1		9	
Lawrence, Mass.	Dec. 12	62,559	23	3	2	2				7		35			
Lexington, Ky.	Dec. 5	26,369	7		1					1				2	
Los Angeles, Cal.	Dec. 5	102,479	68	4	17	9		15	2	6	1	1			
Lowell, Mass.	Dec. 12	94,969	34	1	1	6		2		7	1				
Lynn, Mass.	Dec. 12	68,513	21		1					13	1	1			
Malden, Mass.	Dec. 12	33,664	18		1	2				9	1	1			
Manchester, N. H.	do	56,987	20	2	2	1		7		17				2	2
Manitowoc, Wis.	Dec. 5	11,786	3								1				
Do	Dec. 12	11,786	5		1					2					
Marionette, Wis.	Dec. 13	16,195	4	1	1										
Marlboro, Mass.	Nov. 12	13,609	4			1		1							
Medford, Mass.	do	18,244	8	1		1		6		1		1			
do	do	12,962	4					4		2					
Milwaukee, Wis.	Dec. 5	285,315	82	16	7	6		20	2	18	2	18	1	1	
Mobile, Ala.	do	38,469	24		4					1					
Montclair, N. J.	Dec. 12	13,962	3		1			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.	Tuberculosis.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Montgomery, Ala.	Dec. 11	30,346	16	2	2	1									
Mt. Vernon, N. Y.	Dec. 12	21,228	2	2				1							
Nanticoke, Pa.	Dec. 13	12,616	5							2					
Nashville, Tenn.	Dec. 12	80,865	35	3	5	2		7		10	1				
Newark, N. J.	do.	246,070	104		20	1		27		4	1				
New Bedford, Mass.	do.	63,442	22	1	2					23	2				1
Newburyport, Mass.	do.	14,478	6							4	1	1			
New Orleans, La.	Dec. 5	278,104	133	25	17	8	5	12		1					
Do.	Dec. 12	278,104	137	20	22	6	2	12		16	3				
Newton, Mass.	do.	33,587	4	1						12	1				
New York, N. Y.	do.	3,487,202	1,249	493	143	64	13	222	10	381	42	384	10	25	2
Niagara Falls, N. Y.	do.	19,457	4	2		3		1		2	1				
Norristown, Pa.	do.	22,265	5	4		1				1					
North Adams, Mass.	do.	24,200	11	2											
Northampton, Mass.	do.	18,643	6			1	2			3		6			
Oneonta, N. Y.	do.	7,147	5					9	1						
Orange, N. J.	do.	24,141	10	1	2										
Ottumwa, Iowa.	do.	18,197	8	1											
Palmer, Mass.	Nov. 28	7,801	2		1					1					
Do.	Dec. 5	7,801	2		1										
Plainfield, N. J.	Dec. 12	15,369	6					1				1			
Pittsburg, Pa.	Dec. 5	321,616	164	33	10	22	5	37	2	15		25		3	1
Do.	Dec. 12	321,616	171	22	9	17	7	23		13		39	2	3	1
Portland, Me.	Nov. 21	50,145	20	1	1	1		5	1	4		1			
Do.	Nov. 28	50,145	17	1	1	1		4		1					
Do.	Dec. 5	50,145	12	1		3		2		2		1		1	1
Portsmouth, Va.	Dec. 8	17,427	10					1		2					
Do.	Dec. 15	17,427	7		1			4		2					
Providence, R. I.	Dec. 12	175,597	42	1	5	10	3	10		17	3				
Racine, Wis.	do.	29,102	5		1										
Reading, Pa.	Dec. 14	78,961	32	2		54	9	6		8				4	
Richmond, Va.	Dec. 12	85,050	31	14	5	3	1			3					1
Rock Island, Ill.	Dec. 5	19,493	3									1			
Do.	Dec. 12	19,493				1		1				4	1		
San Antonio, Tex.	do.	53,321								2					
San Francisco, Cal.	Nov. 29	342,782	121	23	11	2	6	10	2	12	2	35		2	
St. Louis, Mo.	Dec. 12	575,238	178	34	16	4	1	26		67	3	17	1		
Scranton, Pa.	Dec. 5	102,026	26	1	1	2		8	3	10	3	14			
Do.	Dec. 12	102,026	30		2	1		15	5	7	1	15		1	
South Bend, Ind.	do.	35,999	10			1		5	1	4					
Spokane, Wash.	Dec. 5	38,818	13					7		3	1	1			
Springfield, Ill.	Dec. 10	34,159	9					1		2					
Springfield, Mass.	Dec. 12	62,059	22	2	2	2		3		12	1				
Springfield, Ohio.	do.	38,253	11	2						2					
Steelton, Pa.	do.	12,068	5									1			
Taunton, Mass.	do.	31,036	22	3	2			3							
Terre Haute, Ind.	do.	36,673	19	1	1	1		2		1		1			
Titusville, Pa.	do.	8,244	1			1		1							
Trenton, N. J.	do.	73,307				2	1			6					
Waltham, Mass.	do.	23,481	7	1	2			11		8	1			4	
Warren, Ohio.	Dec. 13	8,529				2				2					
Warren, Pa.	Dec. 4	8,043	3		1	2		3							
Do.	Dec. 12	8,043	3		2	1		1							
Wichita, Kans.	Dec. 5	24,671		1	1			2		4	1	1			
Wilkes-Barre, Pa.	Dec. 4	51,721	22					2		17		2			1
Wilkinsburg, Pa.	Dec. 14	13,000	4	2	1			2		1					
Williamsport, Pa.	Dec. 12	28,757	7					1		2				2	
Wilmington, Del.	do.	76,508	22		2					1					
Woburn, Mass.	do.	14,254	4		1			3							

FOREIGN AND INSULAR.

CURRENT QUARANTINE MEASURES.

[From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, Berlin, December 2, 1906.]

CHOLERA.

BULGARIA.—November 15. Permission to load and unload merchandise from Russia extended to include the port of Burgas.

GREECE.—November 15. Sanitary police measures no longer applicable to arrivals from Kertsch, but still in force against other Russian ports.

RUSSIA.—November 20. The governments of Kasan, Kostroma, Olenz, Kaluga, Mohilev, Podolia, Bessarabia, the Black Sea, Bakoo, Stavropol, the cities of Warsaw, Orenburg, Krasnovodsk, Kertsch-Jenikale, and the town of Asov declared free of cholera.

PLAGUE.

AUSTRIA.—November 11. The maritime sanitary police authorities of Trieste removed measures against arrivals from Chile, Venezuela, Ecuador, and Bagdad.

SWEDEN.—November 12. The Chinese ports of Tientsin, Tongku, and Taku declared plague infected, and the ports of Hongkong, Canton, and Amoy declared free of plague.

AZORES.

Report from St. Michael—Recurrence of plague on island of Fayal—Plague on island of Terceira.

Consul Creevey reports, November 25:

It is officially reported that bubonic plague has again broken out at Fayal and the island is declared infected.

To-day I am officially informed that during the first 15 days of this month there were 10 new cases and 5 deaths at the island of Terceira, as against 53 cases and 33 deaths for the month of October.

BRAZIL.

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

Acting Assistant Surgeon Stewart reports, November 8:

Week ended November 15. Vessels inspected and bills of health received: November 8, the British steamship *Daghestan*, for New York, with coffee, 3 passengers to work their way, and no other

change in the personnel; November 9, the British steamship *Silksworth Hall*, for some southern port, in water ballast, with no passengers and no change in crew; on the same date the German steamship *Corrientes*, for New York, in cargo of coffee, 3 cabin and 2 steerage passengers, and 1 new member of crew signed here; November 10, the Italian bark *Mona*, for Mobile, in sand ballast, with no change in crew at this port and no passengers; November 11, the British steamship *Riversdale*, for Mobile, in water ballast, with no passengers and no change in personnel; November 12, the Belgian steamship *Canova*, for New Orleans, in coffee cargo, with no passengers and no change in crew; and on same date the British steamship *Rossetti*, for New York, in coffee cargo, with no passengers and no change in crew.

Mortality in city of Rio de Janeiro.—Week ended November 15. Total deaths, 456. Total estimated population, 811,443. Smallpox caused 141 deaths with 311 new reported cases, of which number 86 were in the suburban zone of the federal capital. Plague caused 3 deaths with 7 new reported cases, and there were no deaths nor cases reported due to yellow fever. At the close of the week there were in the Hospital São Sebastião, 260 cases of smallpox and 6 cases of plague; in the Hospital Engenho de Dentro, 103 cases of smallpox, and in the Hospital Paula Candido, 79 convalescent cases of smallpox.

CHINA.

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

Acting Assistant Surgeon Hough reports:

Week ended October 24.

Restrictions enforced by Hongkong remain as reported on October 17.

Restrictions enforced against Hongkong remain as reported on October 17.

No quarantinable diseases present.

Vessels inspected and granted bills of health, 4.

Aliens examined for Honolulu and Pacific coast ports: Examined, 668; rejected, 199.

Aliens examined for Philippine Islands: Examined, 29; rejected, 16.

Week ended October 31.

Vessels inspected and granted bills of health, 5.

Aliens examined for Philippine Islands: Examined, 40; rejected, 21.

Week ended November 7.

Quarantinable diseases: Plague, 1 case, 1 death.

Vessels inspected and granted bills of health, 8.

Aliens examined for Honolulu and Pacific coast ports: Examined, 9; rejected, 5.

Aliens examined for Philippine Islands: Examined, 22; rejected, 8.

Report from Shanghai—Inspection of vessels—Smallpox—Plague rats.

Acting Assistant Surgeon Ransom reports, November 10:

During the week ended November 7, supplemental bills of health were granted to 3 steamships having an aggregate personnel of 518. There were inspected 2 vessels and 180 members of crews, and manifests were viséed for 28,974 pieces of freight.

It is reported under date of October 27, that there are no cases of plague at Tientsin or dependent ports.

The general conditions at Shanghai are, so far as quarantinable disease is concerned, good, although smallpox has made its appearance in the foreign community as well as among the natives.

Plague rats at Shanghai.

December 22. Plague rats numerous.

Report from Tientsin—Restrictions at Shanghai against Tientsin removed.

The following is received from Consul-General Williams, under date of October 27:

The authorities at Shanghai have decided to withdraw for the present the declaration of infection made against Tientsin and its dependent ports. No case of plague is reported at either of these places.

CUBA.

Report from Cienfuegos—Inspection and fumigation of vessels—Leprosy.

Acting Assistant Surgeon Suarez reports, December 14:
Week ended December 12:

Vessels inspected.....	2
Vessel fumigated.....	1
Bills of health issued.....	2

The local board of health has reported a new case of leprosy in a town in the vicinity of Cienfuegos. No other quarantinable disease has been reported, and the health conditions of the town and port continue to be satisfactory.

Report from Habana—Inspection and fumigation of vessels—House and water-deposit inspection—Stegomyia calopus present—Smallpox on a coaling vessel at Guantanamo.

Passed Assistant Surgeon Amessee reports, December 15:
Week ended December 12:

Vessels inspected.....	14
Bills of health issued.....	18
Members of crews of outgoing vessels inspected.....	986
Passengers of outgoing vessels inspected.....	609
Vessels fumigated prior to sailing.....	1

The sanitary status of Habana remains unchanged. During the week 9,719 house inspections were made in the city, resulting in the detection of 26 deposits of mosquito larvæ, 10 of which contained wigglers of *Stegomyia calopus*. The work of draining and oiling the marsh lands in the suburbs has been vigorously carried out.

During the month of November 45,592 premises were examined by the sanitary department, and 194 deposits of larvæ were discovered, 109 of these being collections of the larvæ of *Stegomyia calopus*.

December 10, 1908, 4 cases of smallpox were reported among the members of the crew of a coaling vessel which was discharging at

the naval station at Guantanamo. These cases were immediately isolated at Punta Caracoles, adjoining the reservation, and the personnel of the vessel, together with the entire command at Guantanamo, were vaccinated. The collier was remanded to Santiago de Cuba for disinfection.

Reports from Matanzas—Inspection of vessels.

Acting Assistant Surgeon Nuñez reports, December 8 and 14:

Week ended December 5. Bills of health granted to 3 vessels clearing for United States ports in good sanitary condition.

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

Week ended December 12.

Bill of health granted to a vessel bound to Mobile, in good sanitary condition.

No quarantinable diseases were reported.

Report from Santiago—Inspection of vessels.

Acting Assistant Surgeon Wilson reports, December 9:

Week ended December 5. Bills of health issued to 3 vessels bound for the United States. No quarantinable disease was reported.

GUATEMALA.

Report from Guatemala City—Epidemic smallpox.

The following is received from the Department of State, under date of December 21:

A telegram, dated December 19, has been received from the consul-general at Guatemala City as follows:

“Serious epidemic has broken out—smallpox.”

HAWAII.

Reports from Honolulu—Examination of rats for plague infection.

Passed Assistant Surgeon Currie, plague laboratory, reports, November 21 and December 1, through Temporary Chief Quarantine Officer Moore:

Week ended November 21.

Rats taken in Honolulu.....	988
Trapped.....	822
Found dead.....	1
Shot from trees.....	166
Examined bacteriologically.....	739
Showing plague infection.....	0

CLASSIFICATION OF RATS SHOT FROM TREES.

Mus alexandrinus.....	69
Mus rattus.....	58
Total classified.....	127

CLASSIFICATION OF RATS TRAPPED.

Mus rattus	192
Mus norvegicus	56
Mus alexandrinus	72
Mus musculus	493
Total classified	813
Average number of traps set daily	1,315

Week ended November 28.

Rats taken in Honolulu	799
Trapped	774
Found dead	0
Shot from trees	25
Examined bacteriologically	621
Showing plague infection	0

CLASSIFICATION OF RATS SHOT FROM TREES.

Mus alexandrinus	11
Mus rattus	10
Total classified	21

CLASSIFICATION OF RATS TRAPPED.

Mus rattus	157
Mus norvegicus	49
Mus alexandrinus	89
Mus musculus	461
Total classified	756
Average number of traps set daily	1,376

ITALY.

Report from Naples—Inspection of vessels—Emigrants recommended for rejection—Smallpox at Naples—Smallpox in Italy.

Assistant Surgeon Wollenberg reports, November 30:

Vessels inspected at Naples and Palermo, week ended November 28.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Nov. 24	Cretic	New York	708	120	950
25	Utonia	do			
25	San Giorgio	do	183	30	290
26	Duca di Genova	do	1,060	120	1,350
27	Königin Luise	do	581	60	780
	Total		2,522	330	3,370

PALERMO.

Nov. 26	San Giorgio	New York	185	181	185
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Rejections recommended.

NAPLES.

Date.	Name of ship.	Tra-choma.	Favus.	Suspect-ed tra-choma.	Suspect-ed favus.	Other causes.	Total.
Nov. 24	Cretic.....	16	2	15			33
25	Ultonia.....						
25	San Giorgio.....	6		1			7
26	Duca di Genova.....	32	5	24		7	68
27	Königin Luise.....	14	1	6	1	2	24
	Total.....	68	8	46	1	9	132

PALERMO.

Nov. 26	San Giorgio.....	8		9		1	18
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Smallpox in Naples.—During the week ended November 29, 5 new cases of smallpox and 6 deaths were reported at the health office of the city of Naples.

Smallpox in Italy.—Week ended November 29. Cases: Calascio (Aquila) 1, Monte Glavio (Rome) 2, Cinquefronde 3, Radicena 1, Terranova 1, Carida (Reggio Calabria) 16.

JAPAN.

Report from Yokohama—Inspection of vessels—Cholera in Japan and Korea—Outbreaks of epidemic plague on islands of Awaji and Tsushima.

Passed Assistant Surgeon Cumming reports, November 25:

Bills of health were issued during the week ended November 21, to 3 vessels, having an aggregate personnel of 7 saloon and 644 steerage passengers, and 195 members of crews. The steamship *Benarty*, bound for Manila, was fumigated and the crew were bathed and their effects disinfected.

Sanitary conditions continue good, though 2 plague-infected rats were found, 1 November 5 and 1 November 14 in the Hironuma districts.

There have been 16 cases of cholera with 5 deaths in Tokyo, the last cases being reported November 15. They occurred in the slums of the Shinjiku district. Cholera has also occurred in various kens, as follows: Nagasaki 2 cases, Fukuoka 3 cases, Saga 2 cases, and Ohita 7 cases and 4 deaths. In Korea there are reported 33 deaths, 2 recoveries, and 14 cases under treatment, including 2 in Fusan. There has been a violent outbreak on Tsushima Island in the Sea of Japan. Beginning October 20, there were more than 70 cases in about 10 days.

The epidemic of plague at Yura, on Awaji Island, near Kobe, has been very violent, more than 90 cases being reported in one small village of 1,000 houses.

Examination of emigrants.

Number of emigrants per steamship *Asia* for Honolulu, October 28: Advised to wait 1.

Per steamship *Shinano Maru* for Seattle, November 11: Rejected 1; advised to wait 5.

Per steamship *Tango Maru* for Seattle, November 11: Rejected 1; advised to wait 5.

Per steamship *Tenyo Maru* for Honolulu, November 14: Rejected 1; advised to wait 7. For San Francisco, advised to wait 4.

Per steamship *Aki Maru* for Seattle, November 25: Advised to wait 9.

Per steamship *Korea* for San Francisco: Advised to wait 1. For Honolulu, advised to wait 8.

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

Acting Assistant Surgeon Slade reports, November 20:

During the week ended November 14, supplemental bills of health were granted to 5 steamships and original bills of health to 2 steamships:

One hundred and twenty-three members of crew and 123 steerage passengers were inspected; 91 members of crew and 43 steerage passengers were bathed and disinfected. Their effects were disinfected by steam. The number of pieces of baggage steamed was 304. Manifests were viséed for 62,811 pieces of freight, amounting to 4,313 tons.

Emigrants were examined as follows: Steamship *Tenyo Maru* for Honolulu, passed 36; recommended for rejection 17; for San Francisco, passed 7; recommended for rejection 2.

Reports from Nagasaki—Cholera at Moji and Wakamatsu and in Nagasaki prefecture.

Consul Scidmore reports, October 18 and 24:

At Moji, since September 2, there have been 129 cases of cholera with 79 deaths. Nineteen cases are under treatment. At Wakamatsu, since September 15, there have been 15 cases, with 9 deaths. Three cases are under treatment. In other parts of the same prefecture (Fukuoka), since September 15, there have been 46 cases, with 22 deaths. Seven cases are under treatment.

In Nagasaki prefecture 5 cases were reported at Kuchinotsu on October 11. The port of Nagasaki continues free of infection and energetic measures are in force to prevent its introduction.

Three new cases are reported at Wakamatsu, and a number of sporadic cases have appeared in various parts of this district. Nagasaki continues free from the disease.

MEXICO.

Report from Coatzacoalcos—Inspection of vessels—Sanitary conditions.

Acting Assistant Surgeon Thompson reports, December 10:

Week ended December 9. Seven vessels inspected and passed. The health of the port is satisfactory. No quarantinable disease has been reported.

Report from Mexico City—Yellow fever at Veracruz and Merida.

The following is received from Doctor Liceaga, president of the superior board of health, under date of December 10:

During the week ended December 5, 3 new cases of yellow fever with 2 deaths occurred at Veracruz, and 3 cases at Merida. The usual prophylactic measures were observed.

PERU.

Report from Callao—Inspection and fumigation of vessels—Status of plague in Peru—Smallpox at Lima—Plague at Iquique, Chile.

Acting Assistant Surgeon Gutierrez reports, November 22:

Week ended November 21. One vessel was fumigated and granted a bill of health. There was an aggregate personnel of 118 members of crew, 79 cabin and 75 steerage passengers.

The following is the latest report on plague in Peru received from the Director de Salubridad Publica:

Locality.	Cases Nov. 5.	New.	Recov-ered.	Died.	Remain- ing Nov. 11.
Lima	5	5	1	2	7
Callao	1		1		
Trujillo (city)	40	{ 3 3 }	10	5	31
Trujillo (country)					
Chepen	11		3		8
Ferrefafe	1		1		
Paíta	4		4		
Lambayeque	1				1
San Pedro	6	3		4	5
Monsefu		2			2
Chiclayo		7		6	1

Since my last report no cases of plague have occurred in Callao. There has been 1 case of smallpox in Lima. It was removed to the lazaretto.

Bills of health from Chilean ports report: Two cases of plague in the lazaretto at Iquique; no deaths.

November 18 there were 2 cases of plague at Mollendo.

PHILIPPINE ISLANDS.

Report from Manila—Status of cholera in Manila and the provinces—Cholera on steamship Sexta from Saigon—Inspection of vessels.

Chief Quarantine Officer McClintic reports, November 3:

Week ended October 31, 1908:

Forty-five cases of cholera with 23 deaths, and 3 cases of smallpox with 1 death, were reported for the city of Manila.

The following is a list of the cases and deaths reported as having occurred in the provinces during the week covered by this report:

Province.	Cases.	Deaths.
Rizal.....	34	26
Laguna.....	37	18
Bulacan.....	11	8
Union.....	7	5
Ilocos Sur.....	44	18
Ilocos Norte.....	73	54
Leyte.....	6	1
Pampanga.....	1	1
Cagayan.....	23	10
Capiz.....	21	10
Palawan.....	3	2
Cavite.....	15	10
Iloilo.....	126	68
Occidental Negros.....	206	126
Antique.....	35	8
Total.....	642	365

The total number of cases for the week covered by this report is about 25 per cent less than the number reported during the preceding week. Some of the provinces, however, show an increase in the number of cases; in others, particularly the provinces of Iloilo and Occidental Negros, which have been furnishing a large percentage of the cases reported, the decline has been rather marked. In the provinces around Manila the number of cases has remained about the same as for the preceding week, except in Laguna, where there has been a recrudescence of the disease, there having been 37 cases reported during the week just passed, as against no cases for the week preceding. The disease has made its appearance in Leyte, 6 cases being reported. Cholera has also gradually spread up the west coast of the island of Luzon, and made its appearance in the province of Ilocos Norte, where 73 cases were reported for the week just passed.

October 31 the German steamship *Secta* arrived at Manila from Saigon with a case of cholera on board in the person of one of the crew. The patient was removed to San Lazaro hospital, and the living quarters of the crew and the decks and closets were disinfected. The vessel was kept in quarantine 2 days, and at the expiration of that time was allowed to unload in quarantine until the expiration of 5 days, when she was released, no more cases having developed. During the week consular bills of health were issued at the port of Manila as follows:

October 25, the United States army transport *Crook*, with 161 in the crew and with 299 passengers, was granted a bill of health for San Francisco, Cal. The crew and steerage passengers were bathed and their effects disinfected and the vessel was partially disinfected at the Mariveles quarantine station. The cargo was either disinfected or passed after inspection. All persons on board were inspected and found well at the hour of sailing from Mariveles, October 26. October 27, the British steamship *Teucer*, with 90 in the crew, en route from London to Seattle and Tacoma, was granted a supplemental bill of health. The cargo was inspected during loading, and 6,072 packages were certified. The personnel was inspected on board at the hour of sailing and the manifests were viséed. October 28, the British steamship *Kennebec*, with 49 in the crew and with 2 passengers, en route

from Hankau to Boston and New York via Cebu, was granted a supplemental bill of health, after the usual inspection of cargo and personnel. October 28, the British steamship *Kaifong*, with 63 in the crew and with 38 passengers, en route from Hongkong and Amoy to Cebu and Iloilo, was granted a supplemental bill of health. The crew and passengers were bathed and their effects disinfected at the Mari-veles quarantine station. The vessel was partially disinfected.

RUSSIA.

Report from Libau—Status of cholera in Russia—Examination of emigrants.

Acting Assistant Surgeon De Forrest reports, November 30:

Cholera cases and deaths.

	Date.	Cases.	Deaths.
St. Petersburg	November 24-28	79	24
Kief (government)	November 22-27	7	3
Tomsk	November 20	2	.....
Bijsk (district)	November 19-25	10	6
Barnoul	November 11-22	28	15
Batum	November 2	1	1
Omsk (city and district)	November 9-24	29	13
Erivan	November 21-23	29	16
Jelissawetpol (government)	To November 25	454	299
Tver (government)	November 22	10	.....
Etschmiadsin (district)	November 27	1	.....
Schtscherkinov-Bergwich (government Jelissawetpol)	November 26	4	.....
Dorpat	November 25	3	.....
Riga	November 26	2	.....
Moscow (government)	November 22	1	.....

During the week ended November 30 I examined 86 emigrants intending to sail on the steamship *Birma* December 8.

VENEZUELA.

Report from La Guaira—Republic of Venezuela declared free from plague.

Consul Johnson reports, November 18:

The Venezuelan minister for foreign affairs, in an official communication dated November 7, declared the Republic of Venezuela free from bubonic plague. Clean bills of health are now issued to all vessels destined for American ports.

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

AFRICA—*Lourenço Marquez*.—Month of October, 1908. Estimated population, 10,000. Total number of deaths 46, including 14 from tuberculosis.

Transvaal—Johannesburg.—Two weeks ended October 30, 1908. Estimated population, 180,687. Total number of deaths 159, including enteric fever 3, measles 4, scarlet fever 1, and 30 from tuberculosis.

BRAZIL—Bahia.—Month of October, 1908. Estimated population, 265,000. Total number of deaths, 400, including smallpox 6, enteric fever 3, yellow fever 1, plague 6, and 52 from tuberculosis.

CANADA—Newfoundland, St. Johns.—Two weeks ended November 21, 1908. Estimated population, 30,000. Total number of deaths not given; 2 deaths from enteric fever. Cases: Enteric fever 10, scarlet fever 6, and diphtheria 1.

FRANCE—Calais.—Month of November, 1908. Estimated population, 80,000. Total number of deaths, 23, including scarlet fever 2, diphtheria 2, whooping cough 2, and 17 from tuberculosis.

Toulon.—Month of October, 1908. Estimated population, 105,000. Total number of deaths, 143, including 9 from typhus fever and 2 from diphtheria.

GREAT BRITAIN—England and Wales.—The deaths registered in 76 great towns in England and Wales during the week ended November 28, 1908, correspond to an annual rate of 15.6 per 1,000 population, which is estimated at 16,234,952.

London.—One thousand four hundred and fifty-one deaths were registered during the week, including measles 34, scarlet fever 9, diphtheria 30, enteric fever 10, whooping cough 7, tuberculosis 158, and 32 from diarrhea. The deaths from all causes correspond to an annual rate of 15.8 per 1,000. In Greater London 2,002 deaths were registered. In the "outer ring" the deaths included 6 from measles, 2 from scarlet fever, 15 from diphtheria, and 3 from whooping cough, 4 from enteric fever.

Ireland.—The average annual death rate represented by the deaths registered during the week ended November 28, 1908, in the 21 principal town districts of Ireland was 19.8 per 1,000 of the population, which is estimated at 1,131,959. The lowest rate was recorded in Dundalk, viz, 4.0, and the highest in Portadown, viz, 41.3 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended November 28, 1908, correspond to an annual rate of 16.4 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Aberdeen, viz, 18.4, and the lowest in Paisley, viz, 12.1 per 1,000. The aggregate number of deaths registered from all causes was 577, including enteric fever 1, diphtheria 5, scarlet fever 9, and 16 from whooping cough.

MALTA.—Two weeks ended November 21, 1908. Estimated population, 206,690. Total number of deaths, 190, including enteric fever 1, whooping cough 1, and 6 from tuberculosis.

URUGUAY—Montevideo.—Month of September, 1908. Estimated population, 252,000. Total number of deaths, 384, including enteric fever 1, scarlet fever 3, diphtheria 1, and 52 from tuberculosis.

Cholera, yellow fever, plague, and smallpox, from June 27 to December 25, 1908.

[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 December 27, 1907, to June 26, 1908, see PUBLIC HEALTH REPORTS for June 26, 1908.]

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

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Austria:				
Ostrowo	Sept. 8	76	39	
Tarnopol	Sept. 14	1		
Ceylon, general	May 17-23		1	
Colombo	June 7-Sept. 26	35	22	20 cases in the asylum for the insane.
China:				
Amoy (Kulangsu)	July 26-Sept. 19		40	
Canton	June 21-27			Present.
Hankau	July 19-Sept. 21	23	15	Among foreigners.
Do	July 19-Aug. 18	10,790	1,397	Oct. 10. Still present among natives.
Hanyang	July 27-Aug. 18		200	
Hongkong	June 14-Sept. 26	49	53	
Ichang	Aug. 5-18			Present.
Shanghai	Aug. 17-Sept. 27			Present, and in vicinity.
Wuchang	Aug. 5-18		2,140	100 cases in military encampment.
India:				
Bombay	May 20-Oct. 27		29	
Calcutta	May 10-Oct. 31		371	On s. s. Annie, en route May 28-June 1, 2 deaths.
Kurrachee	Aug. 8-Sept. 4		26	
Madras	May 16-Nov. 13		1,099	
Negapatam	Sept. 5-Oct. 30		61	
Rangoon	May 17-Nov. 7		68	
Indo-China:				
Bien Hoa	June 21-27	60	59	
Cholen	May 10-Oct. 3	169	105	
Saigon	May 10-Sept. 19	101	72	
Japan:				
Awaji Island—				
Yura	Sept. 1-12	90	6	
Chiba ken	Jan. 1-sept. 5	3		
Ehime ken	Jan. 1-Sept. 5	1		
Fukuoka ken	Sept. 15-Nov. 15	49	22	
Ikishima	Oct. 11-17	1		
Kanagawa ken	Jan. 1-Sept. 5	3		
Kawasaki ken	Aug. 23	1		
Kokoora	Oct. 1			Present.
Kuchinotsu	Oct. 11-17	7		Present on steamer from Calcutta.
Kure	Aug. 15			
Moji	Aug. 8-Oct. 28	159	79	
Nagasaki	Oct. 3-Nov. 15	2		Case Oct. 3 from s. s. Manchuria
Obama	Oct. 23	1		
Oita ken	Jan. 1-Nov. 15	7	4	
Saga ken	Nov. 15	2		
Sasebo	Oct. 28	2		
Tokyo	Aug. 22-Nov. 15	16	5	Present in vicinity.
Tokushima	Aug. 2-Oct. 28	7		
Tsushima, island	Oct. 20-31	70		Present.
Wakamatsu	Aug. 25-Oct. 18	21	12	
Yamaguchi ken	Jan. 1-Sept. 5	1		
Yokohama ken	Aug. 17-23	5	1	On British steamer in quarantine.
Korea, general	Oct. 21-Nov. 15	31	2	
Fusan	Oct. 21	2		
Makanochina, island	Oct. 20			Present.
Persia:				
Teheran	July 3	1	1	
Philippine Islands:				
Manila	June 7-Oct. 31	897	591	3 cases to June 23 on railroad from Pangasinan Province. Sept. 14-16, 2 cases and 1 death from transport Sheridan. First quarter calendar year 1908, 203 cases, 167 deaths; second quarter, 2 cases and 4 deaths. Summary Jan. 1-Oct. 24, 1,057 cases, 740 deaths.

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

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands—Continued.				
Provinces, general	July 12-18	3	2	First quarter calendar year 1906, 306 cases, 628 deaths; second quarter, 3,488 cases and 2,315 deaths. Provinces north of Manila, June 28-July 4, 614 cases, 331 deaths.
Antique	Sept. 6-Oct. 31	672	301	
Asurrago	July 26-Aug. 1	20	20	
Bataan	Jan. 1-Oct. 10	21	19	
Benguet	July 26-Oct. 10	13	10	
Bulacan	Jan. 1-Oct. 31	515	367	
Capiz	Jan. 1-Oct. 31	473	396	
Cavite	Jan. 1-Oct. 31	166	118	
Cagayan	Oct. 25-31	23	10	
Ilocos Norte	Oct. 25-31	73	54	
Ilocos Sur	July 12-Oct. 31	2,051	1,442	
Iloilo	Aug. 9-Oct. 31	5,220	3,226	
Jaro	July 26-Aug. 1	17	10	
La Laguna	Jan. 1-Oct. 31	66	36	
Leyte	Oct. 4-31	19	1	
Mindoro	Jan. 1-Mar. 31	32	20	
Misamis	July 12-Sept. 6	993	413	Including Balingasag and Cagayan.
Negros Occidental	Sept. 6-Oct. 31	2,255	1,425	
Negros Oriental	Oct. 11-31	8	2	
Nueva Ecija	July 4-Oct. 24	398	207	
Nueva Vizcaya	July 12-Aug. 29	34	27	
Palawan	Sept. 21-Oct. 31	62	53	
Pampanga	Jan. 1-Oct. 31	259	205	
Pangasinan	Jan. 1-Oct. 24	2,155	1,266	
Rizal	Jan. 1-Oct. 31	666	516	
Santa Barbara	July 26-Aug. 1	15	9	
Tarlac	Jan. 1-Sept. 19	279	108	
Union	July 12-Oct. 31	1,034	694	
Zambales	Feb. 2-Mar. 31	62	48	
Russia, general.				
Amolinsk, govt. district	July 21-Nov. 14	27,361	13,045	
Archangel	Oct. 25	67	22	Including Omsk.
Astrakhan, govt. district	Oct. 24-Nov. 14	29	21	
Bakoo	July 19-Nov. 1	1,722	842	
Bakoo	Aug. 7-Nov. 14	224	118	
Barnoul district	Oct. 29-Nov. 22	1	146	
Barnoul	Nov. 15	1	1	Present in vicinity.
Batoom	Aug. 10-25	1	1	
Bisjk district	Nov. 8-25	26	14	
Charkov district	Sept. 12-17	3	3	
Chernigov	Sept. 4-16	2	1	
Cronstadt	Sept. 15-Nov. 14	212	91	
Dnaprowsk district	Nov. 15	1	1	
Dou, territory of	July 19-Nov. 14	2,845	1,354	
Dorpat	Nov. 18-25	5	1	
Ekaterrinslav	Aug. 8-Nov. 14	1,087	529	
Eriyan district	Nov. 12-23	44	24	
Etschmiadzin district	Nov. 27	1	1	
Feodo-ia	Nov. 15	10	10	
Helisingfors	Sept. 17-Oct. 25	1	1	5 cases from s. s. Saxon Briton.
Iritusk	Sept. 3	1	1	
Jaroslav	Aug. 19-Nov. 14	335	165	
Jenneisk	Aug. 28-Sept. 17	7	4	
Kars	Nov. 15	3	3	
Kazan	Aug. 7-Sept. 17	125	40	
Kerch-Ynikalé prefecture	Sept. 4-Nov. 14	109	58	
Kerson	Sept. 4-12	4	2	
Kief district	Aug. 21-Nov. 14	763	243	
Kirghis Steppe	Nov. 22-27	7	3	Present.
Kostroma	Aug. 8-Nov. 1	176	84	
Kowban	Aug. 7-Nov. 14	1,695	899	
Livonia govt	Oct. 25-Nov. 14	4	4	
Minsk govt.	Nov. 2-3	2	2	
Moscow district	Aug. 29-Nov. 22	16	10	
Nakhchivan	Aug. 7-14	19	6	
New Peterhof	Sept. 4-12	1	1	
Nijni Novgorod	Aug. 7-Nov. 1	755	330	
Novo-Nikolajewsk	Nov. 15	4	1	
Odesa	Sept. 1-Oct. 10	12	12	
Omsk district	Nov. 9-24	29	13	
Ooia	Aug. 7-Sept. 28	9	4	
Orel govt	Sept. 4-12	5	3	
Orenburg	Sept. 4-Nov. 14	5	4	
Penza	Aug. 8-Nov. 1	2	1	
Perm	Aug. 8-Sept. 17	19	7	
Poitava govt	Sept. 4-Nov. 1	74	40	

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

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia, general—Continued.				
Pskov	Sept. 11–Nov. 1 ...	3	1	
Riga	Sept. 20–Nov. 26 ...	31	1	
Rostov	July 26–Nov. 1 ...	1,174	531	
Samara govt. district	July 19–Nov. 14 ...	1,176	535	
Smelnogoraka district	Oct. 29–Nov. 12 ...	16	6	
Saratov	July 19–Nov. 10 ...	1,671	930	July 19, present, also, on vessels.
Semipalinsk district	Nov. 8	1	1	
Siberia	Sept. 12			Along Yenisei River.
Simbirsk govt. district	Aug. 7–Oct. 10 ...	139	23	July 31, present.
St. Petersburg govt.	Sept. 9–Nov. 14 ...	371	173	
St. Petersburg	Sept. 9–Nov. 28 ...	7,987	3,294	
Syr-Daria	Sept. 4–12	30	15	
Tachkent	Aug. 29–Sept. 10 ...	23	8	
Taganrog	Aug. 29–Sept. 10 ...	52	31	
Tambov govt. district	July 31–Sept. 28 ...	22	18	
Tavrile	Sept. 4–Nov. 14 ...	27	14	
Terek territory	Sept. 4–Nov. 14 ...	239	127	
Tiflis	Aug. 8–Nov. 14 ...	159	77	
Tomsk	Sept. 18–Nov. 20 ...	312	188	
Trans-Caspian territory ..	Sept. 12–25	13	6	
Tula	Aug. 7–14	2	1	
Tver district	Sept. 12–Nov. 14 ...	31	13	
Ufa district	Sept. 12–Nov. 8 ...	259	151	
Ural territory	Sept. 4–Oct. 25 ...	646	356	
Vistula district	Sept. 10			Present.
Vladimir govt.	Sept. 4–12	10	2	
Voronej	Sept. 4–Nov. 14 ...	6	3	
Warsaw	Aug. 2–8	2	2	Imported.
Yelisevetpol	Sept. 12–Nov. 26 ...	456	170	
Zaritzyn	July 24–Sept. 3 ...	237	232	July 19, present, also, on vessels; Aug. 29, 250 cases daily.
Siam:				
Bassein	May 10–16			Present.
Straits Settlements:				
Patalung	Sept. 7			Do.
Singapore	May 10–Nov. 31 ...		29	

YELLOW FEVER.

Barbados:				
Bridgetown	Oct. 6–12	1	1	
Brazil:				
Bahia	July 22–Nov. 14 ...	5	5	July 22, 3 cases from Italian bark <i>Sacro Cuore de Jeso</i> .
Manaos	May 26–Nov. 28 ...		38	
Para	May 31–Nov. 21 ...	53	50	
Pernambuco	June 15–Sept. 15 ...	4	4	
Rio de Janeiro	June 1–Aug. 15 ...	3	3	
Cuba:				
Habana Province—				
Habana	Sept. 13–Oct. 20 ...	4	3	Case Oct. 2 from s. s. <i>Merida</i> ; case Oct. 19 from s. s. <i>Montery</i> ; case Oct. 14–20 from s. s. <i>Salvador</i> .
Santiago (Oriente) Province—				
Antilla	Sept. 8			Case removed to Santiago Aug. 29.
Dalquiri	June 27–Aug. 15 ...	20	4	
Firmeza	Aug. 22	1		
Santiago	Aug. 29–Sept. 6 ...	1	1	From Antilla and Mayari.
Curacao	June 28–Aug. 1 ...	1	1	Imported.
Ecuador:				
Guayaquil	May 31–Nov. 28 ...		21	
France:				
St. Nazaire	Sept. 25–Oct. 20 ...	11	6	From s. s. <i>La France</i> from West Indian ports.
Honduras:				
Ceiba	Sept. 24	1		
Martinique:				
Fort de France	June 27–Nov. 23 ...	73	18	And vicinity.
Mexico:				
Acapulco	Sept. 12	1	1	On Mexican s. s. <i>Manuel Herreiras</i> .
Campeche	Oct. 25–Nov. 21 ...	2	2	
Frontera	July 12	1		
Laguna del Carmen	Aug. 29	2		
Laguna de Terminos	June 9–July 12 ...	8	2	From May 18, 4 cases additional from s. s. <i>Lembit</i> .

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

YELLOW FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico—continued.				
Maxcanú	Nov. 14-28	2	.....
Merida	Aug. 23-Dec. 5	42	20	
Tierra Blanca	July 27	1	.....
Veracruz	July 7-Dec. 5	34	18	
Xumpich	Nov. 1-30	2	.....
Porto Rico:				
San Juan	July 5 .....	.....	.....	1 case on s. s. Julia.
St. Vincent Island	Sept. 6-Oct. 3	3	2	
Venezuela	June 28	80	40	Estimated. In Upata, Guasipati, and Callao.

PLAGUE.

Algeria:				
Algiers	Sept. 1-20	1	.....	From s. s. Blythswood in voyage.
Argentina:				
Buenos Aires, province	Mar. 15, '07-Mar. 15	8	.....
Australia:				
Brisbane	June 6-Aug. 8	3	1	Case, June 6-11, at Clifton.
Sydney	Feb. 25-June 24	4	.....
Austria:				
Trieste	Sept. 21	2	1	From s. s. Erzherzog Franz Ferdinand from Bombay.
Azores:				
Fayal	Aug. 10-Sept. 21	9	4	
Terceira	July 1-Nov. 25	122	58	Nov. 25 again present.
Brazil:				
Bahia	July 29-Sept. 30	10	10	
Maranhão, state	Oct. 20 .....	.....	.....	Present.
Para	Oct. 11-17	1	1	
Pernambuco	June 1-Oct. 31 .....	.....	6	
Rio de Janeiro	May 11-Nov. 15	58	20	
São Paulo	May 18-Aug. 30 .....	.....	3	
British East Africa:				
Port Florence	June 11-July 11	27	22	
British Gold Coast:				
Akra	May 20-Aug. 7	8	5	
Chile:				
Antofagasta	May 18-Aug. 12	64	6	
Arica	July 15-22	2	.....	From Jan. 1-Apr. 30, 179 cases and 47 deaths.
Iquique	May 20-Nov. 8	38	18	Nov. 8, 2 cases in the lazaretto.
Taltal	Oct. 6	1	.....
China:				
Amoy	Aug. 8 .....	.....	1	Apr. 26-Oct. 1, present in native city and up-country districts. July 21-Aug. 1, epidemic.
Canton	May 1-June 9	10	.....	Mainly imported. June 27, still present.
Changshan	Sept. 26 .....	.....	.....	Present.
Chinwangtao	Oct. 17-24 .....	.....	.....	Do.
Fuchow	Apr. 6-July 18 .....	.....	.....	Do.
Hongkong	May 10-Nov. 7	876	739	
Hsing-Sua	June 2-8 .....	.....	.....	Do.
Swatow	July 4-Aug. 14 .....	.....	.....	Do.
Taku	Oct. 17 .....	.....	.....	Do.
Tongku	Oct. 17 .....	.....	.....	Do.
Tientsin	Oct. 17 .....	.....	.....	Do.
Toungshan	Aug. 20-Oct. 17 .....	.....	.....	And vicinity: 20 cases and 12 deaths daily. Oct. 31, still present.
Ecuador:				
Babohoyo	Sept. 19-Oct. 5	4	1	
Guayaquil	May 31-Nov. 28 .....	.....	25	
Egypt:				
Alexandria	May 27-Nov. 13	81	47	Case, July 9, from s. s. Persée.
Port Said	July 3-Nov. 7	12	8	July 5, 1 case on s. s. Oronoqué.
Provinces—				
Awdont	May 27-July 5	6	3	
Beherach	May 24-Nov. 23	6	.....
Minieh	May 16-Nov. 24	12	5	
Dakahlieh	June 2-Sept. 15	3	.....
Gharbieh	May 16-Nov. 28	26	8	
Girgeh	Apr. 23-Oct. 17	9	9	
Fayoum	May 24-Nov. 22	73	47	
Beni Souef	May 29-Aug. 8	42	13	
Kena	May 25-July 25	44	44	
Galyonbeeyeh	May 21-Nov. 21	45	15	
Menouf	May 26-Nov. 26	112	23	

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

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Great Britain: Liverpool	Oct. 23-Nov. 8	3	2	From barge Wesley. Last death occurred Nov. 8.
India:				
Bombay Presidency and Sind.	Apr. 26-Nov. 1	24,379	17,062	
Madras Presidency.....	Apr. 26-Nov. 1	2,499	1,626	
Bengal	Apr. 26-Nov. 1	1,847	1,283	
United Provinces.....	Apr. 26-Nov. 1	1,721	1,547	
Punjab	Apr. 26-Nov. 1	15,054	12,521	
Burma	Apr. 26-Nov. 1	2,536	2,422	
Central provinces, including Berar.	Apr. 26-Nov. 1	3,079	2,642	
Coorg.....	May 24-Nov. 1	11	8	
Mysore State	Apr. 26-Nov. 1	4,634	3,270	
Umanabad and Raichur districts.	Aug. 9-15.....	69	51	
Hyderabad State.....	July 19-Nov. 1	1,176	1,010	
Central India.....	Apr. 26-Nov. 1	721	403	
Rajputana.....	Apr. 26-Nov. 1	1,131	954	
Kashmir	Apr. 26-Aug. 29... ..	27	15	
Northwest frontier province.	Apr. 26-July 18... ..	456	404	
Grand total.....		58,833	44,998	
Indo-China:				
Cholen	May 10-Oct. 24....	149	141	
Saigon.....	May 10-Oct. 17....	175	112	
Japan:				
Awaji Island—				
Yura	Sept. 26.....	48	5	
Formosa.....	May 10-Aug. 15... ..	620	506	From May 15 epidemic at Taiwan: 25 cases reported daily. And vicinity.
Hogo	Aug. 15-Sept. 14... ..	36	22	
Kobe	May 24-Sept. 19... ..	9	7	
Nara	June 14-20.....	14	.....
Nishinomiya	To Sept. 24.....	5	.....
Osaka	May 10-June 27... ..	19	18	
Yokohama	Aug. 26.....	2	.....
Mauritius	May 31-Sept. 24... ..	17	9	On s. s. Itsukushima in voyage.
Peru:				
Ancon	Oct. 22-28.....	1	1	
Barranco	Oct. 1-7.....	1	.....
Callao	May 20-Oct. 14... ..	36	15	
Chepen (Pacasmayo)	July 8-Nov. 11... ..	74	38	And vicinity.
Chiclayo	May 20-Sept. 29... ..	20	15	
Chorrillos	Aug. 18-Aug. 24... ..	2	.....
Ferrenafe	July 21-Nov. 4.....	13	7	
Guadalupe	Aug. 5-18.....	1	1	
Lima	May 20-Nov. 11... ..	105	56	Do.
Mollendo	June 2-Nov. 18... ..	5	3	
Monsefu	June 2-Nov. 11... ..	3	.....
Niepos (Hualgayoc).....	June 2-8.....	2	.....
Paita (La Huaca)	July 21-Nov. 4.....	24	15	
Reque	Oct. 8-14.....	1	.....
Salaverry	May 2-July 19... ..	17	.....
San Pedro	Oct. 30-Nov. 11... ..	15	10	
Santa Eulalia (Huarochiri)	July 21-Aug. 3.....	1	.....
San Jose (Lambayeque)	July 21-Oct. 21... ..	6	4	
Trujillo.....	May 20-Nov. 11... ..	808	141	Do.
Siam:				
Bangkok	May 3-June 20....	18	12	
Puket	May 9.....	.....	.....	Present.
Tongkah	May 4.....	.....	.....	Do.
Straits Settlements:				
Singapore	May 17-30.....	.....	2	
Trinidad:				
Port of Spain	June 4-Sept. 30... ..	17	13	
Turkey in Asia:				
Adalia.....	July 27-Sept. 23... ..	5	3	
Bagdad.....	June 7-Sept. 7.....	76	51	
Beyroot	Sept. 28.....	1	.....
Uruguay:				
Montevideo	Apr. 1-May 31.....	.....	5	
Venezuela:				
Caracas	June 10-Nov. 7... ..	65	15	
La Guaira	June 16-30.....	5	2	Aug. 5, present.
Malquetta	June 28.....	1	.....	Suburb of La Guaira.
Zandibar	Oct. 30.....	1	1	

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

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers	June 29-Nov. 30.....		71	
Arabia:				
Aden	May 28-Nov. 24		188	
Argentina:				
Buenos Aires Province.....	Mar. 15, '07-Mar. 15	546		
Buenos Aires	Mar. 1-May 31		4	Aug. 31-Dec. 31, 40 deaths. During the year 1907, Mendoza 57 and Santa Fé 2 deaths.
Austria:				
Bukowina.....	July 12-Sept. 26.....	10		
Galicia	May 24-Nov. 7	12		
Silesia	July 19-25	4		
Barbados:				
Bridgetown	Oct. 18-24.....	1		From s. s. Castillian Prince.
Borneo:				
Sandakan	Apr. 16-June 30.....	43	16	
Brazil:				
Bahia	May 1-Nov. 14	970	52	
Campinas	June 29-July 5		2	
Para.	June 28-July 4	2	2	
Pernambuco	May 1-Oct. 31		833	Case Sept. 26 from s. s. Amazonas.
Rio de Janeiro	May 11-Nov. 15	11,915	5,301	July 8-16, 1 case and 1 death on s. s. Peruviana, and August 28 1 case on s. s. Hillfern on voyage.
Santos.....	May 18-Oct. 31.....		77	1 case July 10 from s. s. Spartan Prince.
São Paulo	Aug. 10-Oct. 25		74	
British South Africa:				
East London	July 12-Oct. 24	11		
Canada:				
British Columbia—				
Vancouver	Oct. 31	2		
Victoria	Nov. 8-Dec. 8	3		
Manitoba—				
Winnipeg	Oct. 4-10.....	1		
New Brunswick—				
Caron Brook	Nov. 22-28	1		
Edmunston	Nov. 22-28	5		Also present at St. Hillare Dec. 14.
St. Ann Quisibus	Nov. 22-28	1		
St. Basil	Nov. 22-28	5		
St. Leonards	Nov. 22-28	4		And vicinity.
Nova Scotia—				
Halifax	June 14-Dec. 5	48		
Ontario—				
Hamilton	June 1-30.....	3		
Kingston	Nov. 21-Dec. 12	47		
Toronto	Oct. 4-Nov. 7	7		
Ceylon, general	Apr. 1-30.....		2	
Colombo	June 29-Oct. 31.....	225	46	
China:				
Amoy (Kulangsu)....	Apr. 5-Aug. 1		1	August 15, still present.
Foochoo	Apr. 26-June 27			Present.
Hongkong	May 10-July 18	30	18	
Nankin	June 11			Epidemic.
Shanghai	May 18-July 19	2	12	Nov. 10, present.
Cuba, general.....	Sept. 1-10.....		1	
Guantanamo	Dec. 10.....		4	At Punta Caracoles, from a coaling vessel.
Habana	Oct. 1-7			1 case on s. s. Westerwald, not landed.
Denmark:				
Copenhagen.....	Sept. 20-26.....	2		
Ecuador:				
Guayaquil.....	May 31-Sept. 26.....		51	Oct. 24, 1 case.
Egypt, general	May 14-Nov. 4	834	261	
Cairo	May 31-Nov. 18	98	34	
Sues	June 18-July 1	5		
France:				
Marseille	July 1-Nov. 30.....		2	
Nantes	Nov. 23-29	2		
Paris	May 31-Nov. 14	28		
Toulon	May 1-Oct. 31	5		
Germany, general.....	May 24-Nov. 18	56		
Bremen	May 24-Nov. 7	6		
Chemnitz	Aug. 2-19	2		
Königsberg	Aug. 2-8	1		
Ulm	Aug. 23-29.....	1		
Great Britain:				
Liverpool	Apr. 30-Aug. 29.....	5		

• Cases among foreigners; deaths among natives.

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

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Grenada Island	Sept. 12-26.....	6		
Guatemala:				
Guatemala	Dec. 19.....			Epidemic.
India:				
Bombay	May 20-Nov. 24.....		282	
Calcutta	May 10-Oct. 24.....		154	
Madras	May 28-Aug. 14.....		2	
Rangoon	Aug. 16-Oct. 31.....		8	
Indo-China:				
Cholon	May 24-Oct. 17.....	13	8	
Saigon	July 19-Sept. 26.....	18	8	
Italy:				
General	June 8-Nov. 24.....	736		
Catania	May 22-July 31.....		4	
Genoa	May 1-Oct. 31.....	16		
Messina	July 19-Oct. 31.....			Present.
Naples	June 7-Dec. 6.....	206	22	
Palermo	May 24-Sept. 26.....	33	4	
Piacinola	Sept. 12-30.....	18	1	
Turin	June 8-14.....	3	1	
Japan:				
Formosa	June 7-13.....	1		
Kobe	May 31-Sept. 12.....	18		May 30, 1 case on s. s. Mongolia; June 18, 1 case on s. s. Mun- caster Castle.
Nagasaki	May 26-31.....	1		
Osaka	May 10-Aug. 1.....	115	59	
Yokohama	June 2-29.....	3		
Java:				
Batavia	May 10-Oct. 31.....	74	3	
Mexico:				
Acapulco	Sept. 20-26.....	3		
Aguascalientes	June 8-Sept. 20.....		9	
Alvarado	Oct. 1-17.....	15	1	Present.
Durango	Oct. 17-31.....			
Mexico City	May 10-Nov. 7.....		261	
Monterey	June 8-14.....		1	
Tlacotalpan	Oct. 1-17.....			Present.
Veracruz	Oct. 8-Dec. 12.....	3		
Netherlands, The:				
Amsterdam	July 27-Aug. 1.....	1		
Norway:				
General	Oct. 1-31.....	10		
Christiania	Aug. 9-Nov. 21.....	1 62	16	
Peru:				
Callao	Oct. 10.....	1		Aug. 29-Sept. 5, present among troops.
Lima	June 1-Nov. 21.....	6		
Paiza	Aug. 25.....			Present, and in vicinity.
Philippine Islands:				
Manila	May 3-Oct. 31.....	174	66	First quarter calendar year 1908, 42 cases, 12 deaths; sec- ond quarter, 151 cases, 64 deaths, Sept. 5, 1 case on s. s. Changsha. Oct. 31, 1 case from German s. s. Sexta.
Porto Rico:				
Mayaguez	June 7-27.....	6		
Portugal:				
Cascaes	Sept. 12-18.....	1		
Lisbon	May 31-Oct. 31.....	48		
Russia:				
Batoom	May 1-31.....	1		
Reval	Aug. 1-Sept. 30.....	1		
Libau	Aug. 30-Sept. 5.....	1	1	
Moscow	May 24-Nov. 28.....	448	217	
Odessa	May 24-Oct. 8.....	42	4	
Riga	June 7-Nov. 21.....	31		
St. Petersburg	May 17-Nov. 14.....	498	116	
Warsaw	May 10-Oct. 31.....		129	
Servia:				
Belgrade	Nov. 19-25.....	1		
Siberia:				
Vladivostok	May 6-Oct. 21.....	12		
Spain:				
Barcelona	June 1-Dec. 5.....		34	
Cadix	July 27.....			Present.
Madrid	Sept. 1-30.....		2	
Malaga	Mar. 1-Apr. 30.....		4	July 27, present.
Seville	Oct. 1-31.....		1	
Valencia	June 1-Nov. 28.....	102	11	
Vigo	Sept. 27-Nov. 21.....		6	

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

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Straits Settlements:				
Penang.....	Aug. 2-22.....	2	1	
Singapore.....	May 24-Sept. 5.....		6	
Switzerland:				
Zurich.....	Aug. 23-29.....	3		
Turkey in Asia:				
Bagdad.....	May 10-Sept. 5.....	133	67	Present.
Smyrna.....	May 13-Oct. 6.....		21	
Trebizond.....	Sept. 27-Oct. 3.....			
Turkey in Europe:				
Constantinople.....	June 1-Dec. 6.....		163	
Zanzibar:				
Zauzibar.....	June 8-Oct. 30.....		4	

Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—																
				Tuberculois.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough						
Aberdeen.....	Nov. 28	178,210	63																	
Aden.....	Nov. 16	43,794	71																	
Do.....	Nov. 23	43,794	70																	
Aguascalientes.....	Dec. 5	40,000	39																	
Amsterdam.....	Nov. 29	555,168	187	15							5	2	4	4						
Athens.....	Nov. 21	241,658	75	16							3		4	4						
Baracos.....	Dec. 5	27,000	4	2									1	1						
Barcelona.....	Nov. 28	600,000	186	20				2	3	19			5							2
Barranquilla.....	Nov. 21	40,000	26	3																
Do.....	Nov. 28	40,000	21	1																
Belfast.....	do	380,314	131	33							1		1							2
Belgrade.....	Nov. 25	80,000											3							
Belize.....	Dec. 10	9,113	4																	
Bergen.....	Nov. 28	87,749	20	3									1	1						
Birmingham.....	do	558,386	157										2							1
Bluefields.....	do	2,500	5																	
Do.....	Dec. 5	2,500	3																	
Bombay.....	Nov. 17	977,822	553	50		8		2			1									
Bradford.....	Nov. 28	292,136	94	14																1
Bristol.....	do	372,785	104																	
Brussels.....	Nov. 21	630,078	207	28																
Cairo.....	Nov. 18	692,657	368	37							3	2	2	1						
Calcutta.....	Oct. 24	847,797	385	16		21														
Do.....	Oct. 31	847,796	397	18		11	10													
Cartagena.....	Nov. 22	30,000	14	2																
Cholera.....	Oct. 10	15,000				5		1												
Do.....	Oct. 24	15,000				5														
Cienfuegos.....	Dec. 5	37,000	23	1																
Coatzacoalcos.....	Nov. 21	3,300	2																	
Do.....	Nov. 28	3,300	7																	
Cognac.....	do	19,408	5	1																
Colombo.....	Oct. 24	180,262	134	15							4									
Do.....	Oct. 31	180,262	134	12							5		8							
Colon.....	Nov. 29	16,000	11	3																
Constantinople.....	Nov. 22	1,000,000	208	28				9			8		1							3
Copenhagen.....	Nov. 14	450,000	132	15									1	1						1
Do.....	do	36,470	6	1																
Denia.....	Nov. 21	12,420	3																	
Do.....	Nov. 28	12,420	2																	
Dublin.....	do	391,525	178	39									1	2						6
Dundee.....	do	158,616	51										1	1						1
Durban.....	Nov. 7	67,972	13	2																
Dresden.....	Nov. 21	544,000	165	17									1	3						3
East London.....	Oct. 24	49,263	9																	
Do.....	Oct. 31	49,263	12	1																

* No report for October 17.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Edinburgh.....	Nov. 28	350,524	110	9							1			1
Flume.....	Nov. 30	49,500	22	7										
Flushing.....	Nov. 28	20,257	6											
Fort de France.....	Nov. 14	27,069	13											
Do.....	Nov. 21	27,069	20				1							
Do.....	Nov. 28	27,069	17				1							
Georgetown.....	Nov. 7	53,176	51	6										
Do.....	Nov. 14	53,176	58	5										
Do.....	Nov. 21	53,176	56	9										
Do.....	Nov. 23	53,176	51	4										
Geneva.....	Nov. 14	118,500	29											
Ghent.....	Nov. 21	165,033	64	4							1			
Glasgow.....	Dec. 4	859,715	270							1	2	3		11
Greenock.....	Nov. 28	71,783	25											
Guayaquil.....	Nov. 14	75,000	56	7			1			1				
Halifax, N. S.....	Dec. 5	40,787	13									3		
Hamilton.....	Nov. 30	20,206	6											
Do.....	Dec. 7	20,206	6											
Havre.....	Nov. 21	132,430	54	10										1
Hilo, Hawaii.....	do.....	3,500	10	4						2				
Do.....	Nov. 28	3,500	5											
Honolulu.....	Nov. 14	39,306	22	6										
Do.....	Nov. 21	39,306	21	6										
Do.....	Nov. 28	39,306	21	3										
Hull.....	do.....	240,259	92									3	4	
Kobe.....	Nov. 14	363,593	118									1		
Leeds.....	Nov. 28	477,107	118	10									11	1
Leipzig.....	Nov. 21	528,184	153	13						1	5	7	1	3
Leith.....	Nov. 28	84,689	26	3										
Liege.....	Nov. 21	174,687	56	5						1				1
Liverpool.....	Nov. 28	753,203	267	23						2	6	2	2	2
London.....	do.....	4,795,757	1,451	158						10	9	30	34	7
Lyons.....	Nov. 21	472,114	179	30										
Madras.....	Nov. 6	509,346	473			24								
Do.....	Nov. 13	509,346	506			19								
Magdeburg.....	Nov. 21	249,700	77	9								4		1
Manaos.....	Nov. 8	50,000	25	2			2							
Do.....	Nov. 14	50,000	15											
Manchester.....	Nov. 28	649,251	236							3	3	2	7	
Manzanillo.....	Nov. 21	1,700	3	1										
Do.....	Nov. 28	1,700	2											
Do.....	Dec. 5	1,700	1											
Mayaguez.....	do.....	35,700	30	4						2		1		
Mazatlan.....	Nov. 21	21,000	21											
Messina.....	Nov. 7	107,000	30	2						2		1	3	
Do.....	Nov. 14	107,000	26	1										
Mexico.....	Oct. 24	400,000	420	34							7	1	5	9
Do.....	Oct. 31	400,000	429	38				4	15	4	20	9	5	3
Do.....	Nov. 7	400,000	435	34				2	18		14	5	2	5
Milan.....	Nov. 22	900,000	193	40						3				
Moncton, N. B.....	Dec. 7	12,500	5								1			
Monrovia.....	Oct. 31	7,000	3											
Do.....	Nov. 7	7,000	4											
Do.....	Nov. 14	7,000	8											
Monterey.....	Dec. 6	100,000	50											
Montreal.....	Dec. 5	374,856	122	15										
Moscow.....	Nov. 21	1,395,104	614	86				9	8	5	14	10	10	6
Nagasaki.....	Nov. 15	173,118	59							2				
Nantes.....	Nov. 29	183,247	89	7										
Naples.....	Nov. 21	593,729	273									3	1	
Newcastle on Tyne.....	do.....	272,969	110							2		2	1	
Do.....	Nov. 28	272,969	95							1		1		
Niuchwang.....	Nov. 7	60,000	16											
Do.....	Nov. 14	60,000	8											
Nottingham.....	Nov. 21	266,000	85								2			1
Nuevo Laredo.....	Dec. 5	8,000	3	1										
Nuremberg.....	Nov. 14	311,650	88	13								2		1
Ottawa.....	Nov. 28	80,200	24											
Do.....	Dec. 5	80,200	27											
Palermo.....	Nov. 14	330,000	106	3							3			
Do.....	Nov. 21	330,000	137	4								1		
Paris.....	do.....	185,000	94	11			1							

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—													
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.			
Plymouth.....	Nov. 28	122,113	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Prague.....	Nov. 21	229,571	144	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Progreso.....	Oct. 31	5,000	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Nov. 7	5,000	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Nov. 14	5,000	4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Nov. 21	5,000	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Nov. 23	5,000	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Queenstown.....	do.....	7,684	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rangoon.....	Nov. 7	252,155	169	5	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rio de Janeiro.....	Nov. 1	811,443	414	48	1	.....	.....	162	.....	1	.....	.....	.....	.....	.....	.....	.....
Do.....	Nov. 8	811,443	374	48	3	.....	.....	123	.....	1	.....	.....	.....	.....	.....	.....	.....
Rome.....	Sept. 19	559,715	140	17	.....	.....	.....	.....	.....	4	.....	.....	.....	.....	.....	.....	.....
Do.....	Sept. 26	559,715	164	15	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....
Rotterdam.....	Nov. 28	410,408	123	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salgon.....	Oct. 17	37,465	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. John, N. B.....	Dec. 12	40,711	15	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Stephen, N. B.....	do.....	2,840	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
San Felu de Guixols.....	Nov. 28	11,094	7	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Santa Cruz de Tenerife.....	Nov. 21	46,000	14	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sandakan.....	Sept. 15	10,495	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Santiago de Cuba.....	Nov. 28	45,497	20	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Dec. 5	45,497	11	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Santos.....	Oct. 25	75,000	36	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Oct. 31	75,000	36	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shanghai.....	Nov. 8	541,500	144	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Nov. 15	541,500	145	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sheffield.....	Nov. 21	440,000	144	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Southampton.....	Nov. 28	122,196	24	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stettin.....	Nov. 21	230,000	97	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stockholm.....	Nov. 14	337,480	98	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
South Shields.....	Nov. 21	116,585	37	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Nov. 28	116,585	25	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sunderland.....	Nov. 21	157,495	65	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Nov. 28	157,495	54	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tegucigalpa.....	Nov. 25	24,000	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Dec. 2	24,000	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tientsin.....	Oct. 31	1,000,000	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Nov. 7	1,000,000	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Valencia.....	Nov. 21	250,000	84	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Nov. 28	250,000	72	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Veracruz.....	do.....	32,000	49	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Victoria, B. C.....	do.....	27,500	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Dec. 8	27,500	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vienna.....	Nov. 21	2,042,426	605	96	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vigo.....	do.....	40,000	22	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
West Hartlepool.....	Nov. 28	66,750	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Winnipeg.....	Dec. 5	118,000	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Zambiar.....	Oct. 31	75,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	Nov. 7	75,000	20	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Zurich.....	Nov. 28	180,000	51	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General.

United States Public Health and Marine-Hospital Service.