

PUBLIC HEALTH REPORTS.

UNITED STATES.

THE DANGER AND PREVENTION OF TETANUS FROM FOURTH OF JULY WOUNDS.

[Prepared by direction of the Surgeon-General.]

By John F. Anderson, passed assistant surgeon, Public Health and Marine-Hospital Service.

For the past five years the Journal of the American Medical Association has, before each Fourth of July, pointed out in its editorial columns, the special danger of tetanus subsequent to wounds incurred in the use of blank-cartridge pistols, toy cannons, firecrackers, and other noise-producing devices. Some time after the Fourth of July, when the full effects can be counted in deaths from tetanus, loss of limbs, burns, loss of eyes and eyesight, etc., it has published as complete a list as possible of the cost to the nation in lives and injuries.

The following table, taken from the Journal,^a shows the number of cases of tetanus following the celebration of the Fourth for the past five years:

Year.	Blank cartridge.	Giant cracker.	Cannon.	Firearm.	Powder, etc.	Total cases.	Total deaths.
1903.....	363	17	5	3	27	415	406
1904.....	74	18	5	1	7	105	91
1905.....	65	17	4	5	13	104	87
1906.....	54	17	1	7	10	89	75
1907.....	52	8	6	4	3	73	73
Total.....	608	77	21	20	60	786	722

The great decrease in the number of cases from 415 in 1903 to 73 in 1907 must be attributed in large measure to the campaign led by the Journal and ably seconded by the lay press for the more thorough and careful treatment of Fourth of July wounds, and especially the use of tetanus antitoxin as a prophylactic. From the table it will be seen that there have been 786 cases of tetanus, with 721 deaths, a mortality of 92 per cent of those attacked. Six hundred and eight, or 80 per cent, of these followed blank cartridge wounds. The number of cases of lockjaw following blank cartridge wounds has steadily decreased since 1903 from 363 to 52 in 1907, while the cases following other wounds have remained fairly constant. This would seem to indicate that the public is realizing the great danger from blank cartridges.

^a Journal Am. Med. Assn., vol. 49, p. 655.

DISTRIBUTION OF THE TETANUS BACILLUS.

The bacillus of tetanus, or its spore form, is found in earth, especially garden earth, stable manure, the dust of the streets, stables, and human habitations. The feces of healthy animals, such as the horse, cow, dog, and even man, may contain tetanus spores.

Verneuil considers the intestinal tract of the horse the normal habitat of the organism and, as the dust of the streets is largely horse manure, it is easy to see why wounds contaminated in any way by this dust are so liable to be followed by tetanus. Mixed infections are especially dangerous, as other organisms, especially the pus cocci, assist in the production of anaerobic conditions and prevent the leucocytes from destroying the tetanus spores, as may happen when they are inoculated into animals in pure culture.

The tetanus spore is very resistant to heat, as shown by the fact that Theobald Smith has found some strains that resist boiling for 70 minutes. The question of the presence or absence of tetanus bacilli in blank cartridges is discussed pro and con in an article in the *Journal of the American Medical Association*^a and the weight of evidence is certainly in favor of the view that blank cartridges do not contain tetanus bacilli except as a rare contamination when they have been exposed to dirt. There is ample evidence that tetanus spores are present in the street dirt and thus get on the skin and clothing of the injured, and are carried into the wounds by the discharge of the pistol.

PATHOLOGY OF TETANUS.

When tetanus spores are introduced under the skin they at once germinate, if oxygen is excluded, and begin to elaborate tetanus toxin. This toxin consists of at least two poisons—*tetano-lysin* and *tetano-spasmin*; the latter is the poison that causes lockjaw.

The motor nerves have a special affinity for tetanus toxin. As soon as the toxin is produced the adjacent motor nerve-endings at once begin to take it up and transport it to the cord. The lymphatics also absorb much of it and in a short time it appears in the blood, which carries it to all parts of the body, where it is absorbed by the motor nerve-endings which are bathed in the toxin-laden fluid. The nerves supplying the jaws, especially the masseteric, seem to have an exaggerated affinity for the poison, which explains the early trismus. The symptoms are usually earlier and more marked in the limb in which the wound is present, due to the fact that the toxin index is higher there than in other parts of the body. The evidence is decidedly in favor of the view that the toxin produces its effect solely by its absorption by the nerves whose axis-cylinder substance has a specific affinity for the poison; they transport it to the cord and brain through the axis-cylinder substance.

The affinity of the nerves for the toxin and its subsequent binding by them explains why tetanus antitoxin is of very little value after the symptoms have appeared. Antitoxin can, however, neutralize any new toxin that may be formed in cases in which the focus has not been removed.

^aThe Fourth of July, 1903, Casualty List. *Journ. Am. Med. Assn.*, vol. 41, p. 547

The incubation period may be from four or five days to several weeks. If the incubation period is four or five days, death frequently occurs in twenty-four to seventy-two hours. The more prolonged the incubation period is over ten days the better chance there is for recovery. The few cases that do recover are almost invariably those with an incubation period of ten days or more. The mortality of those attacked is from 90 to 95 per cent.

TREATMENT OF FOURTH OF JULY WOUNDS.

Physicians often treat blank cartridge and other Fourth of July injuries, unless of a serious character, as trivial, contenting themselves with picking out the plainly seen pieces of wad, powder, etc., and applying a dressing. In a few days the patient returns with symptoms of tetanus and then, when it is too late, antitoxin is given, the wound is thoroughly cleaned out, and perhaps a piece of wad or clothing found in it.

It should be an invariable procedure that all Fourth of July wounds be laid fully open under local or, preferably, general anæsthesia and all foreign material and necrotic or badly injured tissue removed, as the presence of blood clots and necrotic tissue favor anaerobic conditions, which are essential for the development of the tetanus organism. The use of a constrictor, such as the Esmarch bandage, to prevent hemorrhage during the operation if the wound is on a limb is of much assistance. After the wound has been thoroughly cleaned out it should be swabbed out with strong carbolic acid, at least 25 per cent, followed by a washing with 95 per cent alcohol to prevent further action of the acid. Some surgeons use peroxide of hydrogen instead of carbolic acid. On account of the action of formalin^a on tetanus toxin I think swabbing out the wound with pure formalin after the thorough surgical cleaning out would be an excellent procedure; the pain from the use of formalin soon passes off, and the necrosis caused by it is slight. I hope it will be given a trial by surgeons in Fourth of July wounds.

After cauterization, by whatever method used, the wound should be thoroughly washed out with a 1:1,000 or 1:2,000 solution of bichloride of mercury and packed with gauze soaked in a saturated solution of salicylic or boric acid and a large wet dressing of the same solution applied. In no case should the wound be closed, but it should be allowed to heal by granulation. The dressing and packing should be renewed every day.

TETANUS ANTITOXIN.

Immediately after the wound has been dressed as above at least 1,500 units of tetanus antitoxin should be given. This may be given in the loose tissue of the abdomen, in the buttocks, between the scapulæ, or in any convenient part of the body. It is best to administer the antitoxin while the patient is in the recumbent position. The administration of antitoxin is the most important part of the whole treatment.

^a Anderson, John F.: The antiseptic and germicidal properties of solutions of formaldehyde and their action upon toxins. Hygienic Laboratory Bulletin No. 39, 1907.

The following table, taken from an article by Scherck,^a of St. Louis, shows in a most convincing way the great value of tetanus antitoxin as a prophylactic in Fourth of July wounds:

Cases of Fourth of July wounds treated in St. Louis city dispensaries.

Year.	Cases of wounds treated.	Antitetanic serum used.	Deaths from tetanus.
1903.....	56	None	16
1904.....	37	Yes	0
1905.....	84	Yes	0
1906.....	170	Yes	0

It will be seen that in 1903, when no tetanus antitoxin was used, 16 or about 30 per cent of the 56 cases of Fourth of July injuries treated died from tetanus; in 1906, 170 cases of similar injuries were treated, antitoxin being used, *without a single death from tetanus.*

RÉSUMÉ OF TREATMENT.

The procedure reported in the same article by Scherck for the surgical handling of Fourth of July injuries seems to be so satisfactory that I quote it verbatim:

1. To incise freely every wound.
2. Carefully and thoroughly to removẽ from the wound every particle of foreign matter.
3. To cauterize the wound thoroughly with 25 per cent carbolic acid.
4. To apply loosely a wet pack of 2.5 per cent carbolic acid.
5. To give a full dose of antitetanic serum.

The patient was required to return every day for observation and dressing of the wound.

If the various municipalities would pass laws restricting the sale of firearms and ammunition to minors, absolutely prohibit the sale of blank cartridges, toy cannons, and giant fire crackers; and through the lay press educate the people to the great danger of Fourth of July wounds and the importance of thorough surgical treatment and the prophylactic use of *tetanus antitoxin*, many valuable lives would be saved to the nation.

FEDERAL CONTROL OF TETANUS ANTITOXIN.

An act of Congress approved July 1, 1902, provides that establishments engaged in the manufacture and interstate sale of viruses, serums, toxins, and analogous products shall be licensed by the Secretary of the Treasury upon the recommendation of the Surgeon-General of the United States Public Health and Marine-Hospital Service, after inspection by an officer of that service of the stables, laboratories, and methods used and an examination of their products in the Hygienic Laboratory. Samples of the products put on sale by licensed manufacturers are bought at frequent intervals on the open market and examined in the Hygienic Laboratory for purity and potency. Up to October 25, 1907, there was no official standard for testing tetanus antitoxin in the United States; each manufacturer had his own arbitrary method of

^aScherck, H. J.: Antitetanic serum in Fourth of July injuries. Jour. Am. Med. Assn., vol. 47, p. 500.

determining the potency of his products. On that date, however, an American unit was officially promulgated by the Secretary of the Treasury on the recommendation of the Surgeon-General of the Public Health and Marine-Hospital Service.

This American standard^a is the result of several years' work in the Hygienic Laboratory and commends itself on account of its simplicity, directness, and accuracy. The unit is defined as "ten times the least quantity of antitetanic serum necessary to save the life of a 350-gram guinea pig for ninety-six hours against the official test dose of a standard test toxin furnished by the Hygienic Laboratory of the Public Health and Marine-Hospital Service." The Society of American Bacteriologists in December, 1906, adopted a resolution in regard to the standardization of tetanus antitoxin and decided that the minimal immunizing dose for a case of possible tetanus infection should be 1,500 units.

The great need of an official standard for tetanus antitoxin was shown by the examination of samples of serum sold in the United States. It was found, before the adoption of the American unit, that the serums varied extravagantly in unit strength claimed and the actual number of units they contained. Since the unit has been established there has been uniformity in the product and a decided increase in potency. When a physician now buys a package of tetanus antitoxin in the United States he can rest assured that it contains a potent product and the number of units indicated on the label.

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

Reports from San Francisco, Cal.—Plague-prevention work at San Francisco, Oakland, and Berkeley, Cal.

Passed Assistant Surgeon Blue reports:

SAN FRANCISCO, CAL.

Week ended June 6.

Sick inspected	23
Dead inspected	132
Necropsies held	1
Premises inspected	20, 651
Houses disinfected	105
Houses destroyed	1
Buildings condemned	16
Nuisances abated	3, 148
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Rats found dead	265
Rats trapped	4, 735
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Total rats taken	5, 000
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Rats identified:	
Mus decumanus	2, 477
Mus musculus	1, 882
Mus rattus	167
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Total	4, 526
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^a Rosenau, M. J., & Anderson, John F.: The standardization of tetanus antitoxin (an American unit established under authority of the act of July 1, 1902). Bull. No. 43, Hyg. Lab., U. S. Pub. Health and Mar. Hosp. Serv., Wash., 1908. pp. 59.

Rats examined bacteriologically	2,871
Rats infected with bacillus pestis	1
Poisons placed	133,261

OAKLAND, CAL.

Dead inspected	36
Rats trapped	395
Rats examined bacteriologically	373
Ships inspected	19
Ships fumigated	3
Certificates signed	4

BERKELEY, CAL.

Dead inspected	13
Premises inspected	564
Nuisances abated	39
Rats found dead	75
Rats trapped	150
Poisons placed	6,741
Notices served	41

Outgoing quarantine transactions.

Passed Assistant Surgeon Hobby reports, June 2:
Week ended May 30:

Vessels fumigated and certified	43
Vessels certified	73

Report from Seattle, Wash.—Plague laboratory work, month of May, 1908—Summary of plague situation.

Assistant Surgeon Chapin reports, June 1, through Passed Assistant Surgeon Glover:

The following is a report of the work done in the Plague Laboratory during the month of May, 1908:

Four thousand six hundred and eighty rats were delivered at the laboratory, of which 4,520 were submitted to post-mortem examination. No plague-infected rats were found. A summary of the plague situation to date comprises 3 human cases and 11 plague-infected rats. The last human case was discovered October 25, died October 30, and was verified December 7, 1907. The last plague-infected rat was delivered at the laboratory April 30 and verified May 4, 1908.

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

CALIFORNIA—*San Diego.* Month of May, 1908. Estimated population, 40,000. Total number of deaths, 45, including 5 from tuberculosis. Cases: Measles 7, smallpox 3, and scarlet fever 2.

Stockton.—Month of April, 1908. Estimated population, 23,000. Total number of deaths, 18, including 4 from tuberculosis. Cases: Tuberculosis 4, diphtheria 4, and scarlet fever 11.

Month of May, 1908. Total number of deaths, 19, including diphtheria 1, scarlet fever 1, and 1 from tuberculosis. Cases: Diphtheria 1, scarlet fever 13, and tuberculosis 1.

CONNECTICUT—*Stamford*.—Month of May, 1908. Estimated population, 22,000. Number of deaths not reported. Cases: Diphtheria 1, scarlet fever 2, enteric fever 2, measles 2, and whooping cough 1.

FLORIDA—*Pensacola*.—Month of May, 1908. Estimated population, 22,256. Total number of deaths, 37, including enteric fever 3 and 2 from tuberculosis. Cases of contagious diseases not reported.

ILLINOIS—*Alton*.—Month of May, 1908. Estimated population, 22,000. Total number of deaths, 15, including 3 from tuberculosis.

MINNESOTA—*Stillwater*.—Month of May, 1908. Census population, 12,318. Total number of deaths, 9, including 1 from diphtheria. Cases: Diphtheria 2, and scarlet fever 1.

NEW YORK—*Rome*.—Month of May, 1908. Estimated population, 18,500. Total number of deaths, 43, including 6 from tuberculosis. Cases: Tuberculosis 6, scarlet fever 1, and measles 67.

Saratoga Springs.—Month of May, 1908. Estimated population, 11,822. Total number of deaths, 14. Cases: Measles 3, and scarlet fever 1.

OHIO—*Canton*.—Month of May, 1908. Estimated population, 40,000. Total number of deaths not reported. Two deaths from tuberculosis and 1 from scarlet fever. Cases: Diphtheria 3, scarlet fever 6, smallpox 3, and tuberculosis 2.

PENNSYLVANIA—*South Bethlehem*.—Month of May, 1908. Estimated population, 18,000. Total number of deaths, 21. Cases: Measles 11, enteric fever 3, diphtheria 2, and scarlet fever 1.

Wilkesburg.—Seventeen days ended June 7, 1908. Estimated population 20,000. Total number of deaths 9. Cases: Measles 11, diphtheria 1, and enteric fever 1.

SOUTH CAROLINA—*Charleston*.—Month of May, 1908. Estimated population, 65,000. Total number of deaths, 166, including enteric fever 4, and tuberculosis 17. Cases: Diphtheria 1, enteric fever 16.

UTAH—*Salt Lake City*.—Month of May, 1908. Estimated population, 85,000. Total number of deaths from all causes, 102, including enteric fever 1, measles 1, scarlet fever 3, and 6 from tuberculosis. Cases: Diphtheria 4, whooping cough 8, measles 15, scarlet fever 52, smallpox 5, tuberculosis 1, and enteric fever 4.

WISCONSIN.—Quarter ended March 31, 1908. Estimated population, 2,228,969. Total number of deaths was 7,526, corresponding to an annual death rate of 12.93 per 1,000 of the population. Contagious diseases reported were as follows: Diphtheria, 461 cases, 52 deaths; enteric fever, 142 cases, 17 deaths; measles, 557 cases, 5 deaths; scarlet fever, 365 cases, 14 deaths; smallpox, 566 cases, 1 death; whooping cough, 130 cases, 7 deaths; phthisis pulmonalis, 217 cases, 170 deaths.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 28, 1907, to June 19, 1908.

For reports received from June 28, 1907, to December 27, 1907, see PUBLIC HEALTH REPORTS for December 27, 1907.

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

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Madison County.....	Jan. 1-Apr. 3.....	50		And vicinity. Report for November received out of date. No cases in December.
Mobile County.....	Jan. 1-May 16.....	32		
Mobile.....	Nov. 2-May 30.....	52		
Total for State.....		134		
Arizona:				
General.....	Jan. 1-Mar. 31.....	87	4	
Benson.....	Jan. 26-Feb. 10.....	5		
Bisbee.....	Nov. 14-Jan. 19.....	18		
Total for State.....		110	4	
California, general				
Angel Island Quarantine Station.....	Feb. 1-Apr. 30.....		4	
Berkeley.....	May 18.....	1		
Berkeley.....	Dec. 15-Apr. 4.....	3		
Los Angeles.....	Dec. 15-May 30.....	155	1	Case Feb. 13 from ss. Santa Barbara. Report for February not yet received.
Oakland.....	Nov. 1-Mar. 31.....	92		
Sacramento.....	Dec. 1-Apr. 30.....	7		
San Bernardino.....	Dec. 11-Mar. 20.....	11		
San Diego.....	Dec. 1-May 31.....	4		May 8, again present.
San Francisco.....	Dec. 15-May 30.....	205		Jan. 18, 1 case in San Francisco Quarantine Station from ss. Mongolia.
San Jose.....	Nov. 1-Mar. 31.....	126		
Stockton.....	Mar. 1-31.....	1		
Total for State.....		605	5	
Colorado:				
Adams County.....	Nov. 1-Dec. 31.....	12		
Bent County.....	Nov. 1-30.....	4		
Boulder County.....	Nov. 1-30.....	1		
Denver County— Denver.....	Nov. 1-Dec. 31.....	20		
El Paso County— Colorado Springs.....	Nov. 1-Jan. 31.....	15		
Garfield County.....	Dec. 1-31.....	52		
Grand County.....	Dec. 1-31.....	1		
Larimer County.....	Nov. 1-Dec. 31.....	8		
Lincoln County.....	Dec. 1-31.....	1		
Mesa County.....	Nov. 1-Dec. 31.....	6		
Otero County.....	Nov. 1-Dec. 31.....	47		
Prowers County.....	Nov. 1-Dec. 31.....	60		
Pueblo County.....	Nov. 1-Dec. 31.....	3		
Sedgwick County.....	Nov. 1-30.....	1		
Total for State.....		231		
Connecticut:				
New Britain.....	Dec. 1-Jan. 31.....	3		
Total for State.....		3		
District of Columbia:				
Washington.....	Dec. 15-May 30.....	174		
Total for District.....		174		
Florida:				
De Funiak Springs.....	Mar. 8-14.....	4		
Jacksonville.....	Mar. 8-May 23.....	3		
Marianna.....	Mar. 31-Apr. 6.....	2		
Tampa.....	Mar. 8-21.....	2		
Tarpon Springs.....	Dec. 15-Jan. 4.....	5		
Total for State.....		16		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Georgia:				
Augusta.....	Jan. 22-Mar. 31...	3		Imported.
Total for State.....		3		
Illinois:				
Alexander County—				
Cairo.....	Apr. 1-30.....	10		
Bond County.....	Feb. 1-29.....	1		
Bureau County.....	Feb. 1-Mar. 31.....	2		
Carroll County.....	Apr. 1-30.....	15		
Cass County.....	Apr. 1-30.....	31		
Champaign County.....	Jan. 1-Apr. 30.....	26		
Champaign.....	Jan. 1-Mar. 31.....	11		
Christian County.....	Mar. 1-31.....	1		
Clark County.....	Apr. 1-30.....	6		
Clay County.....	Feb. 1-Apr. 30.....	65		
Clinton County.....	Mar. 1-31.....	10		
Cook County.....	Jan. 1-Apr. 30.....	19		
Chicago.....	Jan. 4-June 6.....	63		
Crawford County.....	Jan. 4-Mar. 31.....	36		
Oblong.....	Dec. 1-31.....	55		
Cumberland County.....	Mar. 1-31.....	2		
Dekalb County.....	Feb. 1-Mar. 31.....	10		
Douglas County.....	Jan. 1-31.....	2		
Edwards County.....	Jan. 1-Apr. 30.....	75		Present in December
Fayette County.....	Apr. 1-30.....	1		
Ford County.....	Jan. 1-Mar. 31.....	69		
Franklin County.....	Jan. 1-Feb. 29.....	16		
Fulton County.....	Jan. 1-Apr. 30.....	34		
Hancock County.....	Apr. 1-30.....	2		
Henry County.....	Feb. 1-Apr. 30.....	5		
Jackson County.....	Feb. 1-29.....	4		
Jefferson County.....	Mar. 1-31.....	1		
Johnson County.....	Jan. 1-Feb. 29.....	8		
Kane County.....	Apr. 1-30.....	8		
Kendall County.....	Feb. 1-29.....	1		
Knox County.....	Feb. 1-29.....	3		
Galesburg.....	Apr. 12-May 2.....	7		
Lake County.....	Jan. 1-Apr. 30.....	9		
Lasalle County.....	Feb. 1-29.....	1		Do.
Lawrence County.....	Jan. 1-Mar. 31.....	6		
Lee County.....	Feb. 1-Mar. 31.....	3		
Livingston County.....	Dec. 1-Apr. 30.....	34		
Logan County.....	Dec. 1-Apr. 30.....	49		
Macon County.....	Jan. 1-Apr. 30.....	22		
Macoupin County.....	Jan. 1-Feb. 29.....	8		
McDonough County.....	Apr. 1-30.....	1		
McHenry County.....	Mar. 1-31.....	8		
Madison County—				
Alton.....	Dec. 1-31.....	1		
Marion County.....	Jan. 1-Mar. 31.....	49		
Marshall County.....	Feb. 1-29.....	2		
Mason County.....	Dec. 1-Apr. 30.....	198		
McLean County.....	Jan. 1-Mar. 31.....	26		Do.
Menard County.....	Jan. 1-Mar. 31.....	21		
Mercer County.....	Apr. 1-30.....	9		
Montgomery County.....	Jan. 1-Apr. 30.....	33		
Morgan County.....	Jan. 1-Apr. 30.....	47		
Jacksonville.....	Jan. 5-May 9.....	6		
Moultrie County.....	Mar. 1-31.....	1		
Ogle County.....	Feb. 1-Mar. 31.....	7		
Peoria County.....	Jan. 1-Apr. 30.....	22		
Peoria.....	Jan. 1-Apr. 30.....	21		
Perry County.....	Jan. 1-Feb. 29.....	21		
Piatt County.....	Dec. 1-Mar. 31.....	35		
Pike County.....	Jan. 1-Feb. 29.....	2		Do.
Rock Island County—				
Rock Island.....	Mar. 15-Apr. 25.....	6		
Saint Clair County.....	Mar. 1-31.....	1		
Saline County.....	Feb. 1-Mar. 31.....	9		Do.
Sangamon County.....	Dec. 1-Apr. 30.....	109		
Springfield.....	Dec. 15-June 4.....	180		
Scott County.....	Jan. 1-31.....	13		
Schuyler County.....	Feb. 1-Mar. 31.....	4		
Shelby County.....	Feb. 1-Apr. 30.....	8		
Stark County.....	Jan. 1-31.....	3		
Stephenson County.....	Dec. 1-Feb. 29.....	23		
Freeport.....	Mar. 1-Apr. 30.....	33		
Ridott.....	Dec. 1-31.....	39		
Tazewell County.....	Jan. 1-Apr. 30.....	7		
Vermilion County.....	Jan. 1-Feb. 29.....	3		
Danville.....	Jan. 1-May 17.....	7		
Warren County.....	Feb. 1-Apr. 30.....	4		
Whiteside County.....	Jan. 1-Feb. 29.....	3		Do.

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois—Continued.				
Will County	Mar. 1-Apr. 30	3		
Williamson County	Mar. 1-31	1		
Winnebago County	Apr. 1-30	1		
Rockford	Jan. 1-May 2	33		
Woodford County	Mar. 1-Apr. 30	8		
Total for State		1,739		
Indiana:				
Adams County	Feb. 1-Mar. 31	10		
Allen County	Dec. 1-Mar. 31	6		
Fort Wayne	Mar. 1-June 6	21		
Bartholomew County	Nov. 1-Dec. 31	3		
Cass County	Dec. 1-Mar. 31	3		
Clark County	Jan. 1-Mar. 31	25		
Jeffersonville	Apr. 1-30	2		
Clay County	Nov. 1-30	2		
Clinton County	Dec. 1-31	15		
Davess County	Nov. 1-Mar. 31	4		
Dearborn County	Feb. 1-29	1		
Dekalb County	Feb. 1-29	2		
Delaware County	Mar. 1-31	4		
Muncie	Dec. 29-June 4	45	1	
Dubois County	Feb. 1-29	5		
Elkhart County	Dec. 1-Mar. 31	43		
Elkhart	Dec. 22-Apr. 4	23		
Fayette County	Mar. 1-31	9		
Floyd County	Jan. 1-Feb. 29	10		
Fountain County	Jan. 1-31	2		
Franklin County	Feb. 1-29	31		
Fulton County	Jan. 1-Feb. 29	31		
Grant County	Dec. 1-Mar. 31	50		
Marion	Jan. 1-Mar. 31	19		
Greene County	Feb. 1-Mar. 31	7		
Hamilton County	Jan. 1-31	10		
Hancock County	Feb. 1-Mar. 31	4		
Harrison County	Jan. 1-31	2		
Hendricks County	Jan. 1-Feb. 29	10		
Henry County	Feb. 1-29	2		
Howard County	Jan. 1-Mar. 31	23		
Huntington County	Jan. 1-Mar. 31	53		
Jackson County	Mar. 1-31	1		
Jefferson County	Feb. 1-Mar. 31	7		
Johnson County	Dec. 1-Mar. 31	52		
Kosciusko County	Jan. 1-Feb. 29	4		
Lagrange County	Nov. 1-Mar. 31	105		
Lake County	Jan. 1-31	1		
Laporte County	Feb. 1-Mar. 31	6		
Lawrence County	Dec. 1-Mar. 31	19		
Madison County	Nov. 1-Mar. 31	104		
Anderson	Feb. 1-Apr. 30	3		
Marion County	Dec. 1-Feb. 29	6		
Indianapolis	Dec. 16-June 7	107	2	
Marshall County	Nov. 1-Mar. 31	20		
Miami County	Nov. 1-Mar. 31	7		
Monroe County	Dec. 1-Feb. 29	49		
Montgomery County	Mar. 1-31	1		
Noble County	Nov. 1-Mar. 31	23		
Owen County	Mar. 1-31	1		
Parke County	Nov. 1-Dec. 31	2		
Pulaski County	Jan. 1-31	1		
Putnam County	Mar. 1-31	1		
Randolph County	Jan. 1-31	1		
Rush County	Dec. 1-31	1		
Shelby County	Jan. 1-Mar. 31	29		
Stéuben County	Jan. 1-Mar. 31	17		
St. Joseph County	Dec. 1-Jan. 31	16		
South Bend	Dec. 22-May 30	9		
Sullivan County	Nov. 1-30	1		
Tippecanoe County	Feb. 1-29	1		
La Fayette	Dec. 17-June 1	19		
Tipton County	Jan. 1-Mar. 31	26		
Vanderburg County—				
Evansville	Mar. 22-Apr. 4	2		
Vigo County	Dec. 1-31	1		
Terre Haute	Dec. 22-June 6	23		
Wabash County	Jan. 1-Mar. 31	54		
Wayne County	Nov. 1-Mar. 31	34		
Wells County	Jan. 1-Mar. 31	12		
Whitley County	Mar. 1-31	1		
Total for State		1,249	3	

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Iowa, general	Nov. 1-Jan. 31		2	
Albion	Jan. 1-31	10		Received out of date.
Burlington	Mar. 1-Nov. 30	2		
Cass County	May 1-16	12		
Cedar Rapids	Jan. 2-May 31	58		
Council Bluffs	July 1-Apr. 3	50		
Davenport	Jan. 1-June 1	27		
Emerson	May 16-June 1	3		
Haverhill	May 15	15		
Marshalltown	Dec. 18-May 15	31		
Mason City	May 2-June 1	19		
New London	Mar. 28	1		
Ottumwa	Jan. 26-June 6	35		
Sioux City	Feb. 2-Apr. 30	59	2	
Total for State		322	4	Imported.
Kansas:				
Allen County	Nov. 1-Mar. 31	72		
Anderson County	Jan. 1-Mar. 31	19		
Atchison County	Dec. 1-Mar. 31	104		
Atchison	Nov. 1-Mar. 31	187		
Barber County	Jan. 1-Feb. 29	14		
Barton County	Dec. 1-Mar. 31	37		
Bourbon County	Dec. 1-Mar. 31	18		
Brown County	Nov. 1-Jan. 31	6		
Butler County	Nov. 1-Mar. 31	14		
Cherokee County	Dec. 1-Mar. 31	107		
Galena	Dec. 22-28	17		
Cheyenne	Mar. 1-31	3		
Clay County	Feb. 1-29	1		
Coffey County	Jan. 1-Mar. 31	37		
Cowley County	Feb. 1-Mar. 31	9		
Crawford County	Jan. 1-Mar. 31	30		
Decatur County	Dec. 1-31	2		
Dickinson County	Mar. 1-31	1		
Doniphan County	Jan. 1-Mar. 31	7	1	
Douglas County	Jan. 1-Mar. 31	6		
Edwards County	Feb. 1-29	1		
Ellis County	Dec. 1-Mar. 31	9		
Finney County	Jan. 1-31	2		
Ford County	Jan. 1-Feb. 29	16		
Franklin County	Jan. 1-Mar. 31	3		
Graham County	Feb. 1-Mar. 31	31		
Greeley County	Mar. 1-31	2		
Greenwood County	Jan. 1-Mar. 31	25		
Hamilton County	Mar. 1-31	1		
Harper County	Jan. 1-31	3		
Harvey County	Jan. 1-Mar. 31	7		
Jefferson County	Jan. 1-Feb. 29	7		
Jewell County	Mar. 1-31	1		
Kearny County	Mar. 1-31	1		
Kingman County	Jan. 1-Mar. 31	5		
Labette County	Dec. 1-Feb. 29	10		
Parsons	Nov. 1-Mar. 31	43		
Leavenworth County	Jan. 1-Mar. 31	22		
Leavenworth	Nov. 1-Apr. 30	17		
Linn County	Mar. 1-31	17		
Lyon County	Feb. 1-Mar. 31	24		
Marion County	Mar. 1-31	1		
Marshall County	Feb. 1-29	35		
McPherson County	Mar. 1-31	1		
Meade County	Feb. 1-29	1		
Mitchell County	Dec. 1-Jan. 31	11		
Montgomery County	Jan. 1-Mar. 31	32		
Coffeyville	Jan. 1-Mar. 31	10		
Nemaha County	Dec. 1-Mar. 31	65	1	
Neosho County	Feb. 1-Mar. 31	19		
Norton County	Mar. 1-31	2		
Osage County	Feb. 1-Mar. 31	16		
Osborne County	Mar. 1-31	1		
Ottawa County—				
Tescott	Apr. 1-30	54		
Pawnee County	Jan. 1-31	1		
Phillips County	Nov. 1-Feb. 29	3		
Pottawatomie County	Mar. 1-31	2		
Pratt County	Dec. 1-31	11		
Reno County	Dec. 1-Mar. 31	92		
Republic County	Dec. 1-Mar. 31	142		
Rice County	Mar. 1-31	10		
Riley County	Jan. 1-31	4		
Rush County	Jan. 1-Mar. 31	7		
Russell County	Mar. 1-31	2		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Saline County.....	Nov. 1-Mar. 31....	52		
Scott County.....	Jan. 1-Mar. 31....	63		
Sedgwick County.....	Jan. 1-Mar. 31....	24		
Wichita.....	Dec. 15-May 30....	150		
Seward County.....	Feb. 1-Mar. 31....	7		
Shawnee County.....	Nov. 1-Mar. 31....	33		
Topeka.....	Dec. 29-May 30....	109		
Sheridan County.....	Nov. 1-Mar. 31....	38		
Stafford County.....	Dec. 1-31.....	6		
Sumner County.....	Jan. 1-Mar. 31....	36		
Thomas County.....	Feb. 1-Mar. 31....	12		
Trego County.....	Mar. 1-31.....	8		
Wabauensee County.....	Jan. 1-Mar. 31....	69		
Washington County.....	Feb. 1-Mar. 31....	40	1	
Wichita County.....	Mar. 1-31.....	1		
Wilson County.....	Mar. 1-31.....	19		
Woodson County.....	Feb. 1-28.....	1		
Wyandotte County.....	Dec. 1-Mar. 31....	36		
Kansas City.....	Dec. 29-June 7....	168		
Total for State.....		2,332	3	
Kentucky:				
Covington.....	Dec. 15-May 30....	29	1	
Georgetown.....	Jan. 1-Feb. 21....	26		
Greenup County.....	Mar. 1-31.....	3		
Henderson.....	Apr. 1-30.....	3		
Lewis County.....	Mar. 8-Apr. 4.....	35		
Lexington.....	Dec. 22-Apr. 30....	27		
Lovelaceville.....	Jan. 1-Feb. 29....	8		
Total for State.....		131	1	
Louisiana:				
Hornbeck.....	Dec. 20-Apr. 13....	34		
Lake Charles.....	Apr. 14.....	2		
Minden.....	Jan. 1-Mar. 31....	19		
Napoleonville.....	Feb. 1-Apr. 30....	12		
New Orleans.....	Dec. 22-June 6....	195	7	Mainly imported.
Total for State.....		262	7	
Maine:				
Limestone.....	Feb. 28-Apr. 3....	1		
Somerset County.....	Dec. 12-Jan. 8....	10		Outbreak in lumber camp.
Total for State.....		11		
Maryland:				
Baltimore.....	Dec. 22-May 30....	5		
Montgomery County— Conduit road.....	Mar. 1-21.....	5		
Total for State.....		10		
Massachusetts:				
Boston.....	Dec. 15-21.....	1		
Fall River.....	Dec. 22-Feb. 8....	8	5	
Lowell.....	May 23-29.....	1		
Melrose.....	Feb. 9-15.....	3		
Total for State.....		13	5	
Michigan:				
Alcona County.....	Jan. 1-31.....	1		
Alpena County.....	Jan. 1-31.....	1		
Barry County.....	Jan. 1-31.....	5		
Bay County.....	Dec. 1-Jan. 31....	13		
Benzie County.....	Jan. 1-31.....	1		
Berrien County.....	Dec. 1-Jan. 31....	5		
Branch County.....	Nov. 1-Jan. 31....	8		
Calhoun County.....	Nov. 1-Jan. 31....	47		
Battle Creek.....	Nov. 1-Jan. 31....	17		
Cass County.....	Nov. 1-Jan. 31....	4		
Chippewa County.....	Dec. 1-31.....	16		
Sault Ste. Marie.....	Nov. 1-Jan. 31....	11		
Clinton County.....	Nov. 1-Jan. 31....	13		
Crawford County.....	Nov. 1-30.....	1		
Eaton County.....	Nov. 1-Jan. 31....	18		
Emmet County.....	Nov. 1-Jan. 31....	24		
Genesee County.....	Dec. 1-Jan. 31....	6		
Grand Traverse County.....	Nov. 1-Jan. 31....	13		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Michigan—Continued.				
Gratiot County	Nov. 1-Jan. 31.....	5		
Hillsdale County	Dec. 1-Jan. 31.....	6		
Huron County	Nov. 1-Jan. 31.....	36		
Ingham County	Nov. 1-Jan. 31.....	4		
Lansing	Dec. 1-Jan. 31.....	4		
Ionia County	Nov. 1-30.....	1		
Isabella County	Jan. 1-31.....	1		
Jackson County	Nov. 1-Jan. 31.....	16		
Kalamazoo County—				
Kalamazoo	Mar. 22-June 4.....	14		
Kent County	Nov. 1-Jan. 31.....	4		
Grand Rapids	Dec. 29-June 6.....	33		
Lake County	Jan. 1-31.....	1		
Lapeer County	Nov. 1-30.....	1		
Leelanaw County	Dec. 1-31.....	3		
Lenawee County	Jan. 1-31.....	1		
Luce County	Dec. 1-31.....	1		
Manistee County	Nov. 1-Jan. 31.....	68		
Manistee	Nov. 1-Jan. 31.....	142		
Mason County	Nov. 1-Jan. 31.....	6		
Ludington	Nov. 1-Jan. 31.....	17		
Menominee County	Dec. 1-31.....	1		
Montcalm County	Nov. 1-Dec. 31.....	12		
Muskegon County	Jan. 1-31.....	1		
Newaygo County	Jan. 1-31.....	4		
Oakland County	Jan. 1-31.....	12		
Oceana County	Dec. 1-Jan. 31.....	64		
Ogemaw County	Jan. 1-31.....	2		
Osceola County	Dec. 1-Jan. 21.....	28	2	
Otsego County	Dec. 1-31.....	2		
Ottawa County	Nov. 1-Jan. 31.....	13		
Saginaw County	Dec. 1-Jan. 31.....	6		
Saginaw	Dec. 15-June 6.....	159	1	
St. Clair County—				
Port Huron	Mar. 15-May 16.....	16		
St. Joseph County	Nov. 1-Jan. 31.....	19		
Sanilac County	Dec. 1-31.....	7		
Shiawassee County	Jan. 1-31.....	1		
Tuscola County	Nov. 1-Jan. 31.....	7		
Van Buren County	Nov. 1-Jan. 31.....	26		
Wayne County—				
Detroit	Jan. 12-May 23.....	15		
Wexford County	Dec. 1-Jan. 31.....	21		
Total for State		984	3	
Minnesota:				
Aitkin County	Dec. 31-Mar. 30.....	4		
Anoka County	Feb. 24-Apr. 27.....	10		
Becker County	Nov. 27-Apr. 27.....	53		
Beltrami County	Dec. 31-Apr. 13.....	24		
Benton County	Dec. 31-Apr. 27.....	12		
Bigstone County	Dec. 3-Apr. 6.....	22		
Blue Earth County	Nov. 27-Apr. 20.....	125		
Brown County	Dec. 9-Mar. 30.....	63		
Carlton County	Jan. 13-Apr. 20.....	4		
Carver County	Jan. 13-Apr. 27.....	72		
Cass County	Nov. 27-Apr. 27.....	32		
Chippewa County	Dec. 3-Apr. 20.....	24		
Chisago County	Dec. 3-Apr. 13.....	71		
Clay County	Dec. 17-Apr. 27.....	64		
Clearwater County	Mar. 24-Apr. 27.....	4		
Cottonwood County	Dec. 17-Mar. 9.....	46		
Crow Wing County	Dec. 31-Apr. 27.....	17		
Dakota County	Nov. 27-Apr. 27.....	231	2	
Dodge County	Jan. 14-Apr. 27.....	17		
Douglas County	Feb. 24-Apr. 6.....	3		
Fairbault County	Dec. 31-Apr. 27.....	45		
Fillmore County	Dec. 10-Mar. 16.....	12		
Freeborn County	Dec. 24-Apr. 27.....	19		
Goodhue County	Dec. 24-Apr. 27.....	46		
Grant County	Mar. 24-Apr. 13.....	3		
Hennepin County	Nov. 27-Apr. 27.....	142		
Minneapolis	Nov. 27-Apr. 27.....	512	2	
Houston County	Dec. 10-Apr. 13.....	6		
Hubbard County	Dec. 24-Apr. 27.....	101		
Isanti County	Feb. 3-Apr. 27.....	21		
Itaska County	Dec. 10-Apr. 6.....	17		
Jackson County	Jan. 7-Apr. 13.....	2		
Kanabec County	Dec. 17-Mar. 24.....	28		
Kandiyohi County	Dec. 24-Apr. 20.....	52		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Kittson County.....	Dec. 10-Apr. 13 ...	16		
Koochiking County.....	Jan. 14-Mar. 24 ...	9		
Lac qui Parle County.....	Dec. 31-Apr. 20 ...	18		
Lake County.....	Feb. 3-Apr. 20 ...	14		
Lesneur County.....	Dec. 3-Apr. 20 ...	87		
Lincoln County.....	Feb. 3-Apr. 20 ...	46		
Lyon County.....	Jan. 27-Apr. 27 ...	7		
McLeod County.....	Jan. 14-Apr. 6 ...	16		
Mahnomen County.....	Mar. 24-30 ...	1		
Marshall County.....	Jan. 7-Apr. 13 ...	8		
Martin County.....	Jan. 14-Apr. 27 ...	218	1	
Meecker County.....	Jan. 7-Apr. 20 ...	58		
Millelacs County.....	Dec. 17-23 ...	1		
Morrison County.....	Nov. 27-Apr. 27 ...	167		
Mower County.....	Mar. 17-Apr. 27 ...	5		
Murray County.....	Nov. 27-Apr. 13 ...	15		
Nicollet County.....	Nov. 27-Apr. 27 ...	201		
Nobles County.....	Jan. 7-Mar. 30 ...	32		
Norman County.....	Jan. 21-Apr. 20 ...	12		
Olmsted County.....	Jan. 23-Apr. 27 ...	42		
Ottertail County.....	Dec. 24-Apr. 13 ...	155		
Pine County.....	Nov. 27-Apr. 20 ...	44		
Pipestone County.....	Dec. 24-Apr. 20 ...	18		
Polk County.....	Nov. 27-Apr. 27 ...	82		
Pope County.....	Mar. 9-24 ...	3		
Ramsey County.....	Dec. 31-Apr. 27 ...	39		
St. Paul.....	Oct. 1-Apr. 27 ...	386	1	
Red Lake County.....	Jan. 14-Apr. 27 ...	14		
Redwood County.....	Feb. 24-Apr. 27 ...	29		
Renville County.....	Dec. 3-Apr. 27 ...	17		
Rice County.....	Jan. 7-Apr. 27 ...	41		
Rock County.....	Mar. 3-9 ...	1		
Roseau County.....	Mar. 17-24 ...	1		
St. Louis County.....	Dec. 3-Apr. 27 ...	76		
Duluth.....	Dec. 3-Apr. 27 ...	405		
Scott County.....	Dec. 17-Apr. 27 ...	85		
Sherburne County.....	Dec. 10-Mar. 16 ...	24		
Sibley County.....	Dec. 10-Apr. 20 ...	34		
Stearns County.....	Dec. 10-Apr. 27 ...	290		
Steele County.....	Nov. 27-Apr. 27 ...	51		
Stevens County.....	Mar. 17-Apr. 27 ...	13		
Swift County.....	Dec. 3-Apr. 27 ...	21		
Todd County.....	Dec. 10-Apr. 27 ...	184		
Traverse County.....	Jan. 21-Apr. 13 ...	6		
Wabasha County.....	Dec. 3-Apr. 27 ...	71		
Wadena County.....	Feb. 3-Apr. 13 ...	11		
Watsonwan County.....	Feb. 3-Apr. 13 ...	5		
Waseka County.....	Jan. 8-Apr. 20 ...	35		
Washington County.....	Nov. 27-Apr. 13 ...	18		
Stillwater.....	Apr. 1-30 ...	1		
Wilkin County.....	Dec. 3-Apr. 13 ...	37		
Winona County.....	Dec. 15-Apr. 6 ...	33		
Winona.....	Dec. 15-June 6 ...	28		
Wright County.....	Dec. 1-Apr. 27 ...	102		
Yellow Medicine County.....	Feb. 14-Apr. 20 ...	16		
Total for State.....		5,203	6	
Mississippi:				
Harrison County—				
Gulfport.....	Feb. 18-Apr. 24 ...	2		
Long Beach.....	Mar. 19 ...	1		
Perry County—				
Epps.....	Jan. 15 ...	1		
Hattiesburg.....	June 1-Jan. 15 ...	29		
Washington County.....	Dec. 30-Jan. 18 ...	3		
Greenville.....	Feb. 1-Mar. 31 ...	8		
Total for State.....		44		
Missouri:				
Buchanan County—				
St. Joseph.....	Dec. 15-May 30 ...	431	2	
Christian County—				
Ozark.....	Feb. 13-Apr. 13 ...	17		
Cole County—				
Jefferson City.....	Jan. 1-9 ...	8		
Jackson County—				
Kansas City.....	Dec. 29-June 6 ...	205	2	
Marion County—				
Hannibal.....	Feb. 4-10 ...	2		
Putnam County.....	Jan. 1-31 ...	32		

And vicinity.

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Missouri—Continued.				
St. Louis City County—				
St. Louis.....	Dec. 15-June 6....	48	1	
Worth County.....	Jan. 1-31.....	6		
Total for State.....		749	5	
Montana:				
Broadwater County.....	Dec. 1-Apr. 30....	2		
Carbon County.....	Apr. 1-30.....	1		
Cascade County.....	Dec. 1-31.....	1		
Great Falls.....	Feb. 1-28.....	1		
Choteau County.....	Apr. 1-30.....	17		
Custer County.....	Apr. 1-30.....	7		
Dawson County.....	Apr. 1-30.....	1		
Deerlodge County.....	Feb. 1-29.....	1		
Fergus County.....	Nov. 1-Apr. 30....	4		
Flathead County.....	Dec. 1-Apr. 30....	7		
Gallatin County.....	Mar. 1-Apr. 30....	5		
Granite County.....	Mar. 1-Apr. 30....	3		
Jefferson County.....	Jan. 1-Feb. 29....	6		
Lewis and Clark County—				
Helena.....	Dec. 1-Apr. 30....	11		
Missoula County.....	Nov. 1-Apr. 30....	29		
Missoula.....	Dec. 1-Apr. 30....	101		
Park County.....	Dec. 1-Jan. 31....	5		
Powell County.....	Dec. 1-31.....	2		
Ravalli County.....	Nov. 1-Apr. 30....	18		
Sanders County.....	Jan. 1-Mar. 30....	11		
Silverbow County.....	Nov. 1-Mar. 30....	20		
Butte.....	Jan. 15-May 26....	25		
Teton County.....	Mar. 1-31.....	3		
Yellowstone County.....	Nov. 1-30.....	3		
Billings.....	Feb. 1-Mar. 30....	5		
Total for State.....		289		
Nebraska:				
Benson.....	Jan. 9-Mar. 15....	9		
Lincoln.....	Nov. 1-Feb. 29....	32		
Nebraska City.....	Dec. 8-Apr. 26....	51		
Omaha.....	Oct. 1-15.....	89		Epidemic in vicinity.
Richardson County—				
Falls City.....	Mar. 1-31.....	13		And vicinity.
Rulo.....	Feb. 1-Apr. 30....	35		Epidemic in vicinity.
South Omaha.....	May 8-29.....	5		
Total for State.....		234		
New Jersey:				
Newark.....	Mar. 8-21.....	2		
Total for State.....		2		
New Mexico:				
Albuquerque.....	To Jan. 26.....	15		
Total for State.....		15		
New York:				
Allegany County.....	Dec. 1-31.....	3		
Caneadea.....	Jan. 1-Feb. 29....	9		
Broome County—				
Binghamton.....	May 31-June 6....	1		
Cayuga County.....	Nov. 8-30.....	4		
Clinton County.....	Nov. 8-30.....	1		
Delaware County.....	Jan. 1-Feb. 29....	9		
Dutchess County.....	Jan. 1-Apr. 2.....	1		
Poughkeepsie.....	Jan. 1-31.....	8		
Erie County—				
Buffalo.....	Jan. 1-Apr. 30....	7		
Fulton County.....	Mar. 1-Apr. 30....	16		
Greene County.....	Jan. 1-30.....	1		
Herkimer County.....	Jan. 1-Apr. 30....	9		
Jefferson County.....	Nov. 8-Apr. 30....	10		
Lewis County.....	Nov. 8-Feb. 29....	47		
Montgomery County.....	Feb. 1-Mar. 31....	2		
New York County—				
New York.....	Dec. 15-May 16....	21		
Niagara County.....	Jan. 1-Apr. 30....	14		
Niagara Falls.....	Dec. 15-June 6....	11		
Oneida County.....	Nov. 8-Jan. 31....	19		
Utica.....	Jan. 1-31.....	4		
Onondaga County—				
Syracuse.....	Dec. 15-24.....	1		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
New York—Continued.				
Orange County	Nov. 8-Mar. 31	81		
Oswego County	Nov. 8-Dec. 31	17		
Otsego County	Jan. 1-31	3		
St. Lawrence County	Jan. 1-Apr. 30	41		
Saratoga County	Feb. 1-29	1		
Schenectady County—				
Schenectady	Nov. 8-Jan. 31	4		
Seneca County	Feb. 1-Apr. 30	11		
Tompkins County	Nov. 8-Dec. 31	3		
Ulster County	Jan. 1-Mar. 31	48		
Kingston	Nov. 8-Apr. 11, a.	156		
Washington County	Mar. 1-31	2		
Wayne County	Jan. 1-31	1		
Westchester County	Nov. 8-Jan. 31	4		
Yates County	Apr. 1-30	1		
Total for State		631		
North Carolina:				
Alamance County	Dec. 1-Feb. 29	59		
Alleghany County	Jan. 1-Feb. 29	1		
Ashe County	Nov. 1-Feb. 29	2		
Bertie County	Jan. 1-Mar. 31	7		
Buncombe County	Mar. 1-31	4		
Cabarrus County	Dec. 1-Mar. 31	77		
Camden County	Jan. 1-Mar. 31	26		
Chatham County	Feb. 1-29	17		
Chowan County	Dec. 1-Mar. 31	21		
Cleveland County	Mar. 1-31	1		
Columbus County	Jan. 1-31	1		
Currity County	Dec. 1-Feb. 29	5		
Davie County	Nov. 1-Mar. 31	42		
Durham County	Jan. 1-31	1		
Edgecombe County	Dec. 1-Jan. 31	5		
Forsyth County	Nov. 1-Mar. 31	40		
Gaston County	Dec. 1-Jan. 31	5		
Gates County	Mar. 1-31	1		
Guilford County	Nov. 1-Mar. 31	117		
Greensboro	Dec. 15-Jan. 18	11		
Iredell County	Feb. 1-28	8		
Jackson County	Feb. 1-Mar. 31	65		
Johnston County	Nov. 1-Feb. 29	49		Mar. 31, still present.
McDowell County	Mar. 1-31	3		
Macon County	Mar. 1-31	3		
Madison County	Jan. 1-Feb. 29	2		
Mecklenburg County—				
Charlotte	Feb. 9-May 23	13		
New Hanover County	Jan. 1-Mar. 31	8		
Orange County	Nov. 1-Feb. 29	17		
Fasquotank County	Feb. 1-Mar. 31	2		
Pender County	Jan. 1-Feb. 29	2		
Perquimans County	Dec. 1-Mar. 31	3		
Pitt County	Nov. 1-Feb. 29	12		
Randolph County	Jan. 1-Feb. 29	33		
Robeson County	Nov. 1-30	2		
Rockingham County	Nov. 1-Feb. 29	53		
Rowan County	Dec. 1-Mar. 31	54		
Rutherford County	Mar. 1-31	14		
Sampson County	Nov. 1-30	1		
Wake County	Dec. 1-Mar. 31	5		
Wayne County	Dec. 1-Feb. 29	4		
Wilkes County	Feb. 1-29	175		
Yadkin County	Jan. 1-Mar. 31	6		
Total for State		977		
North Dakota:				
Wells County	Dec. 21-Feb. 22	20		
Fessenden	Dec. 21-Feb. 22	20		
Total for State		40		
Ohio, general				
Bowerstown	Mar. 25-Apr. 23	1		
Bucyrus	Apr. 22-25	1		
Canton	Apr. 1-May 31	4		
Chillicothe	Mar. 3-29	18		
Cincinnati	Dec. 21-May 24	255	3	
Cleveland	Mar. 15-20	1		
Dayton	Jan. 5-June 6	19		
Holloway	Feb. 22-Mar. 19	15		

Mar. 31, still present.

From Mar 2 to July 27, 1907, 92 cases.

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.	
Ohio, general—Continued.					
Lorain	Dec. 29-Jan. 4	2		Imported.	
Murray	Mar. 1-Apr. 13	25			
Newark	May 3-9	1			
Norwich	Mar. 25-June 1	16			
Piqua	May 1-Aug. 31	21			
Sandusky	Mar. 1-7	1			
Sherodsville	Feb. 21-May 10	90			
Tippecanoe	Jan. 15-Mar. 14	33			
Toledo	Dec. 29-May 9	22			
Warren	Feb. 9-Apr. 4	2			
Zanesville	Feb. 1-Apr. 30	6			
Total for State		533	3		
Oklahoma:					
Oklahoma City	Dec. 22-28	7			
Total for State		7			
Oregon:					
Baker County	Nov. 1-Feb. 29	47		Reports for February and April not received.	
Benton County	Dec. 1-Jan. 31	11			
Clackamas County	Dec. 1-Jan. 31	13			
Grant County	Nov. 1-Dec. 31	56			
Jackson County	Feb. 1-29	4			
Klamath County	Nov. 1-30	2			
Linn County	Jan. 1-Feb. 29	16			
Multnomah County	Jan. 1-Feb. 29	5			
Portland	Nov. 1-May 31	125			
Sherman County	Feb. 1-29	6			
Umatilla County	Jan. 1-Feb. 19	5			
Union County	Jan. 1-Feb. 29	15			
Wallowa County	Nov. 1-Dec. 31	11			
Wasco County	Jan. 1-Feb. 29	4			
Washington County	Dec. 1-Jan. 31	4			
Wheeler County	Dec. 1-31	42			
Total for State		366			
Pennsylvania:					
Erie	Dec. 20-26	2			
Harrisburg	Jan. 1-22	3			
Merton	Jan. 26-Feb. 19	1			
Pittsburg	Feb. 9-15	1			
Sayre	Mar. 14-Apr. 11	2			
Warren	Apr. 28-June 3	1			
Williamsport	Jan. 26-Feb. 1	1			
Total for State		11			
South Carolina:					
Florence		5		Year ended May 21, 1908.	
Total for State		5			
South Dakota:					
Sioux Falls	Nov. 1-Feb. 1	26			
Total for State		26			
Tennessee:					
Bedford County	Dec. 15-Mar. 15	45	1	Mining district.	
Franklin County	Dec. 1-May 15	60			
Kimmins	Feb. 2-24	5			
Knoxville	Dec. 15-June 6	60			
Lonsdale	Jan. 16-Mar. 7	32			
Memphis	Dec. 22-Apr. 12	19			
Mingo Mountain	Dec. 15-June 15	100			
Nashville	Dec. 15-May 30	145			
Soddy	Mar. 1-30	2			
South Pittsburg	Feb. 1-June 10	48			
Sumner County	Nov. 29-Jan. 13	3			
Total for State		519	1		
Texas:					
Anderson County	Dec. 1-Apr. 30	13			
Aransas County	Feb. 1-Mar. 31	36			
Archer County	Jan. 1-29	2			
Atascosa County	Feb. 1-29	3			
Bastrop County	Mar. 1-31	5			

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Texas—Continued.				
Baylor County.....	Apr. 1-30.....	5		
Bee County.....	Feb. 1-Apr. 30.....	26		
Bell County.....	Feb. 1-Mar. 31.....	105		
Bexar County—				
San Antonio.....	Dec. 15-May 30.....	173	1	
Blanco County.....	Feb. 1-Apr. 30.....	4		
Bosque County.....	Feb. 1-29.....	1		
Bowie County.....	Jan. 1-Feb. 29.....	17		
Brown County.....	Mar. 1-31.....	35		
Caldwell County.....	Jan. 1-31.....	36		
Camp County.....	Feb. 1-29.....	1		
Cherokee County.....	Apr. 1-30.....	4		
Clay County.....	Feb. 1-29.....	4		
Coke County.....	Jan. 1-Mar. 31.....	20		
Collin County.....	Feb. 1-Apr. 30.....	30		
Comal County.....	Apr. 1-30.....	1		
Comanche County.....	Feb. 1-29.....	5		
Concho County.....	Mar. 1-31.....	6		
Cooke County.....	Feb. 1-Mar. 31.....	85		
Cottle County.....	Apr. 1-30.....	2		
Dallas County.....	Mar. 1-31.....	22		
Deaf Smith County.....	Mar. 1-31.....	19		
Delta County.....	Mar. 1-31.....	2		
Denton County.....	Feb. 1-Mar. 31.....	59		
Dewitt County.....	Jan. 1-Apr. 30.....	42		
Donley County.....	Mar. 1-31.....	7		
Ellis County.....	Feb. 1-29.....	12		
Erath County.....	Feb. 1-29.....	3		
Fannin County.....	Jan. 1-Feb. 29.....	23		
Fayette County.....	Feb. 1-29.....	6		
Fisher County.....	Feb. 1-Apr. 30.....	119		
Floyd County.....	Feb. 1-29.....	6		
Freestone County.....	Jan. 1-Feb. 29.....	31		
Galveston County—				
Galveston.....	Feb. 1-May 22.....	15		
Glasscock County.....	Mar. 1-31.....	6		
Goliad County.....	Feb. 1-Apr. 30.....	9		
Gonzales County.....	Feb. 1-Apr. 30.....	26		
Grayson County.....	Jan. 1-Feb. 29.....	10		
Gregg County.....	Mar. 1-31.....	22		
Grimes County.....	Feb. 1-28.....	21		
Guadalupe County.....	Jan. 1-Mar. 31.....	41		
Hale County.....	Feb. 1-Mar. 31.....	17		
Hardeman County.....	Dec. 1-Feb. 29.....	35		
Harris County.....	Jan. 1-Feb. 29.....	35		
Houston.....	Jan. 1-8.....	6		
Harrison County.....	Dec. 1-Apr. 30.....	127		
Haskell County.....	Feb. 1-Apr. 30.....	35		
Haye County.....	Jan. 1-Feb. 29.....	8		
Hemphill County.....	Apr. 1-30.....	37		
Henderson County.....	Feb. 1-Mar. 31.....	34		
Hill County.....	Dec. 1-Feb. 29.....	16		
Hunt County.....	Feb. 1-29.....	82		
Jefferson County.....	Mar. 1-31.....	1		
Johnson County.....	Feb. 1-Apr. 30.....	15		
Jones County.....	Feb. 1-Apr. 30.....	14		
Karnes County.....	Feb. 1-Mar. 31.....	23		
Kaufman County.....	Feb. 1-31.....	52		
Knox County.....	Feb. 1-29.....	20		
Lamar County.....	Jan. 1-Apr. 30.....	108		
Lampasas County.....	Mar. 1-31.....	50		
Lasalle County.....	Apr. 1-30.....	5		
Leon County.....	Mar. 1-31.....	4		
Limestone County.....	Feb. 1-29.....	5		
McLennan County.....	Jan. 1-Apr. 30.....	40		
Marion County.....	Apr. 1-30.....	8		
Maverick County—				
Eagle Pass.....	Mar. 29.....	1		Imported
Milam County.....	Apr. 1-30.....	6		
Mitchell County.....	Apr. 1-30.....	25		
Montague County.....	Jan. 1-Apr. 30.....	9		
Morris County.....	Feb. 1-29.....	25		
Nacogdoches County.....	Feb. 1-29.....	12		
Navarro County.....	Jan. 1-Mar. 31.....	13		
Nolan County.....	Feb. 1-29.....	23		
Nueces County.....	Feb. 1-29.....	4		
Palo Pinto County.....	Feb. 1-29.....	1		
Panola County.....	Mar. 1-31.....	14		
Parker County.....	Jan. 1-Feb. 29.....	10		
Potter County.....	Dec. 1-Jan. 31.....	6		
Randall County.....	Feb. 1-29.....	70		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Texas—Continued.				
Refugio County	Jan. 1-31	1		
Robertson County	Jan. 1-Mar. 31	42		
Rockwall County	Apr. 1-30	4		
San Saba County	Feb. 1-29	4		
Scurry County	Jan. 1-Apr. 30	18		
Smith County	Jan. 1-31	7		
Stephens County	Feb. 1-29	10		
Swisher County	Jan. 1-Mar. 31	17		
Tarrant County	Apr. 1-30	52		
Fort Worth	Dec. 1-Apr. 30	252		
Titus County	Dec. 1-Apr. 30	165		
Travis County	Mar. 1-31	10		
Trinity County	Jan. 1-Mar. 31	6		
Tyler County	Mar. 1-31	4		
Upshur County	Jan. 1-Mar. 31	12		
Uvalde County	Apr. 1-30	53		
Van Zandt County	Feb. 1-29	12		
Walker County	Mar. 1-31	35		
Waller County	Feb. 1-29	1		
Ward County	Feb. 1-Mar. 31	13		
Washington County	Apr. 1-30	9		
Webb County—				
Laredo	Jan. 9	1		
Wharton County	Jan. 1-Feb. 29	34		
Wheeler County	Apr. 1-30	5		
Wichita County	Jan. 1-Apr. 30	80		
Williamson County	Jan. 1-Mar. 31	45		
Wilson County	Jan. 1-Feb. 29	39		
Wise County	Jan. 1-Apr. 30	21		
Wood County	Jan. 1-Feb. 29	20		
Young County	Jan. 1-31	1		
Total for State		3,089	1	
Utah:				
Cache County	Mar. 1-31	18		
Carbon County	Apr. 1-30	1		
Davis County	Dec. 1-Apr. 30	15		
Grand County	Mar. 1-31	1		
Rich County	Mar. 1-Apr. 30	5		
Salt Lake County—				
Salt Lake	Dec. 1-Apr. 30	9		
Summit County	Nov. 1-Jan. 31	81		
Tooele County	Mar. 1-31	6		
Utah County	Oct. 1-Apr. 30	125		
Wasatch County	Dec. 1-Feb. 29	20		
Weber County	Nov. 1-Apr. 30	46		
Ogden	Dec. 1-Mar. 31	91		
Total for State		418		
Vermont:				
Newbury	Mar. 12-Apr. 18	10		
Total for State		10		
Virginia:				
Buchanan County	Feb. 1-29	1		
Caroline County	Jan. 1-31	4		In February, present.
Carroll County	Dec. 1-31	1		
Fauquier County	Jan. 1-Feb. 29	8		
Floyd County	Dec. 1-Feb. 29	13		
Franklin County	Feb. 1-29	20		In January, epidemic.
Giles County	Dec. 1-Feb. 29	83		
Goochland County	Jan. 1-31	1		
Grayson County	Feb. 1-29	7		
Hanover County	Jan. 1-Feb. 29	3		
Henrico County—				
Richmond	Jan. 5-May 30	12		Epidemic.
Henry County	Jan. 1-Feb. 29			Epidemic.
King William County	Dec. 1-Feb. 29			Epidemic.
Lee County	Dec. 1-Feb. 29	10		
Norfolk County—				
Norfolk	Feb. 22-Mar. 13	2		In City Hospital, Craney Island.
Orange County	Feb. 1-29			Present.
Patrick County	Jan. 1-31			Epidemic.
Pittsylvania County	Feb. 1-29	7		
Powhatan County	Dec. 1-31	10		
Pulaski County	Jan. 1-31	1		
Roanoke County	Dec. 1-Feb. 29	40		
Roanoke	To Dec. 13	9		
Russell County	Jan. 1-31	10		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Virginia—Continued.				
Scott County.....	Dec. 1-Feb. 29.....	9		In January, present.
Smyth County.....	Feb. 1-29.....	7		
Spottsylvania County.....	Feb. 1-29.....	1		
Stafford County.....	Jan. 1-29.....	30		
Tazewell County.....	Dec. 1-31.....	27		
Warwick County—				
Newport News.....	Jan. 1-Apr. 30.....	3		
Wise County.....	Dec. 1-31.....	44		
Wythe County.....	Dec. 1-31.....			
Total for State.....		363		
Washington:				
Seattle.....	Nov. 1-Mar. 31.....	121		Present.
Spokane.....	Dec. 15-May 23.....	244	2	
Tacoma.....	Dec. 15-May 31.....	41		
Whatcom County.....	Feb. 15-Mar. 17.....	32		
Total for State.....		438	2	
West Virginia:				
Charleston.....	Mar. 1-31.....	2		Present.
Parkersburg.....	May 1-18.....	3		
Total for State.....		5		
Wisconsin:				
Adams County.....	Jan. 1-Mar. 31.....	9		Present.
Ashland County.....	Oct. 1-Mar. 31.....	4		
Barron County.....	Oct. 1-Mar. 31.....	11		
Bayfield County.....	Jan. 1-Mar. 31.....	5		
Brown County.....	Oct. 1-Mar. 31.....	30		
Calumet County.....	Jan. 1-Mar. 31.....	1		
Chippewa County.....	Oct. 1-Mar. 31.....	36		
Clark County.....	Oct. 1-Mar. 31.....	22		
Columbia County.....	Oct. 1-Mar. 31.....	11		
Dane County.....	Oct. 1-Mar. 31.....	55		
Door County.....	Oct. 1-Mar. 31.....	12		
Douglas County.....	Oct. 1-Mar. 31.....	151		
Dunn County.....	Oct. 1-Mar. 31.....	23		
Eau Claire County.....	Oct. 1-Mar. 31.....	6		
Fond du Lac County.....	Oct. 1-Mar. 31.....	178		
Forest County.....	Oct. 1-Mar. 31.....	6		
Grant County.....	Oct. 1-Dec. 31.....	8		
Green County.....	Jan. 1-Mar. 31.....	2		
Juneau County.....	Oct. 1-Mar. 31.....	6		
Kewaunee County.....	Oct. 1-Mar. 31.....	5		
La Crosse County.....	Jan. 1-Mar. 31.....	3		
La Crosse.....	Dec. 15-June 6.....	114	1	
Lafayette County.....	Oct. 1-Dec. 31.....	3		
Manitowoc County.....	Jan. 1-Mar. 31.....	13		
Manitowoc.....	Mar. 8-28.....	4		
Marathon County.....	Oct. 1-Mar. 31.....	25		
Marinette County.....	Oct. 1-Mar. 31.....	5		
Marquette County.....	Jan. 1-Mar. 31.....	7		
Milwaukee County.....	Oct. 1-Mar. 31.....	42		
Milwaukee.....	Dec. 15-May 30.....	30		
Monroe County.....	Oct. 1-Mar. 31.....	5		
Oneida County.....	Oct. 1-Mar. 31.....	23		
Outagamie County—				
Appleton.....	Jan. 18-25.....	1		
Ozaukee County.....	Jan. 1-Mar. 31.....	5		
Pepin County.....	Oct. 1-Dec. 31.....	10		
Pierce County.....	Oct. 1-Mar. 31.....	22		
Polk County.....	Oct. 1-Mar. 31.....	12		
Portage County.....	Oct. 1-Mar. 31.....	14		
Price County.....	Jan. 1-Mar. 31.....	1		
Racine County—				
Racine.....	Mar. 15-May 30.....	31		
Rock County.....	Oct. 1-Mar. 31.....	5		
Beloit.....	Apr. 25-May 7.....	1		
Rusk County.....	Oct. 1-Dec. 31.....	1		
St. Croix County.....	Oct. 1-Mar. 31.....	3		
Sauk County.....	Oct. 1-Mar. 31.....	62	1	
Sheboygan County.....	Jan. 1-Mar. 31.....	32		
Taylor County.....	Oct. 1-Mar. 31.....	26		
Trempealeau County.....	Jan. 1-Mar. 31.....	7		
Vernon County.....	Oct. 1-Dec. 31.....	5		
Walworth County.....	Jan. 1-Mar. 31.....	82		
Washburn County.....	Jan. 1-Mar. 31.....	22		
Waupaca County.....	Jan. 1-Mar. 31.....	10		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Wisconsin—Continued.				
Winnebago County.....	Oct. 1–Mar. 31.....	12	.....
Oshkosh.....	Jan. 1–25.....	1	.....
Wood County.....	Oct. 1–Mar. 31.....	6	.....
Total for State.....		1,226	2	
Wyoming:				
Laramie.....	Mar. 5–22.....	15	.....
Total for State.....		15	.....
Grand total, United States.....		23,544	55	

Plague in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, December 28, 1907, to June 19, 1908.

Place.	Date.	Cases.	Deaths.	Remarks.
California:				
Oakland.....	Sept. 10–Dec. 22...	12	7	
Point Richmond.....	Nov. 27.....	1	.....
San Francisco ^a	Dec. 26–Feb. 17....	24	6	

^a Plague cases are entered in the table under date of verification as plague. From January 1 to February 8, date of the last case, there were only 2 cases and 1 death from plague at San Francisco. The other cases entered in the table occurred previous to January 1, but have been confirmed since that date.

Yellow fever in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, February 16 to June 19, 1908.

Place.	Date.	Cases.	Deaths.	Remarks.
Texas:				
Galveston.....	Feb. 16–18.....	2	2	In quarantine from ss. Crispin from Manaos and Para and 5 other cases during voyage.

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

[For smallpox, yellow fever, 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.
Altoona, Pa.	June 6	38,973	7			1		3		1					
Ann Arbor, Mich.	May 30	14,509	4												
Do.	June 6	14,509	5					1							
Auburn, N. Y.	May 23	30,345	6	2	1	5	1					8		1	
Do.	May 30	30,345	13	3	1	2	2					3		4	1
Do.	June 6	30,345	6	2		2	1	2				1		1	
Baltimore, Md.	do	508,957	145	12	25	7	2	19	2	10	1	27		11	
Bath, Me.	do	10,477													
Bayonne, N. J.	do	32,722		1								11			
Biddeford, Me.	do	16,145	4												
Binghamton, N. Y.	do	38,647	9		3										
Boston, Mass.	do	560,892	188	16	19	22	3	31	6	61	3	208	2		
Braddock, Pa.	do	15,564	4							2					
Bradford, Pa.	do	15,029	2												
Brockton, Mass.	do	40,063	10	2						1		11		1	
Butte, Mont.	June 2	30,470	8					5		6		7			
Cambridge, Mass.	June 6	91,886	21	3	2	3		4		12	1	45			
Camden, N. J.	do	75,935	29	1				3		8	1				
Camden, S. C.	May 30	2,441	5												1
Carbondale, Pa.	June 6	13,536	5							1		1			
Charlotte, N. C.	do	18,091	4			2									
Chicago, Ill.	do	1,638,575	483	21	63	16		63	5	61	7	269	5	20	1
Chicopee, Mass.	May 30	19,167	11	1	2	1		3				1			
Do.	June 6	19,167	8	1	1			1				5			
Cincinnati, Ohio.	May 29	325,902	115	8	18	5	1	3		5		28		4	1
Do.	June 5	325,902	74	9	19	2		1		7		20		5	2
Cleveland, Ohio.	do	381,768	110	32	21	6	1	8		7		102	1	27	
Clinton, Mass.	June 6	13,667	3	1	1					1		1			
Covington, Ky.	do	42,938	8		1							1			
Danville, Ill.	do	16,354	7		1					2		1			
Dayton, Ohio	do	85,332	35		5							4		2	
Detroit, Mich.	do	285,704	109					7	1	3	1				
Elmira, N. Y.	do	35,672	10	8	1					1		12			
Erle, Pa.	June 4	52,733	22	1	3	4	2	7	2			4		2	
Evansville, Ind.	June 6	59,007	17	1	1					2				14	1
Everett, Mass.	do	24,336	7	2	1			5		1		25			
Fall River, Mass.	do	104,863	30	2	6			3		1	2	8		3	1
Findlay, Ohio	do	17,613	2		1										
Ft. Wayne, Ind.	May 30	50,947	12		1			4		1				3	
Do.	June 6	50,947	19		1			4		1	1			3	1
Galesburg, Ill.	do	18,607	3												
Galveston, Tex.	June 5	37,789	7			2				2					
Gloucester, Mass.	June 6	26,121	1												
Grand Rapids, Mich.	do	87,565	30	2	1	2				1		88	1	6	
Greensboro, N. C.	do	10,035	4			2	1	6							
Greenville, S. C.	May 30	11,860	2			2									
Harrison, N. J.	May 23	10,596	3							1					
Do.	June 6	10,596	4												
Haverhill, Mass.	do	37,175	7	3		1	1			3					
Hoboken, N. J.	do	59,364				2						3			
Indianapolis, Ind.	May 24	169,164	48	1	11	2		8		1		10			1
Do.	June 7	169,164	41		6	4	1	7		4		12			
Jacksonville, Fla.	June 6	28,429	22		5	5						2			
Jersey City, N. J.	June 7	206,433	71	2	6	1	1	22	5	6		52		1	1
Johnstown, Pa.	June 6	35,936	13	3		1	1	2		1		19		16	
Kalamazoo, Mich.	do	24,404	10	1	1					1		3		8	
Kansas City, Kans.	do	51,418	25	1	4	2		4		1		5		6	
Kansas City, Mo.	May 30	163,752	43		8			2	1	7	1	7		4	2
Do.	June 6	163,752	48		3	1				7	1	7		1	
Kearney, N. J.	June 7	10,896	2												
Kingston, N. Y.	June 6	24,535	9							5		10			
Knoxville, Tenn.	do	32,637			3										
La Crosse, Wis.	do	28,895	5	12	1	1						1			
La Fayette, Ind.	June 8	18,116	5									1			
Lancaster, Pa.	June 6	41,459	7					2		1		2			
Lawrence, Mass.	do	62,559	16	2		2		3		3		5		7	
Lebanon, Pa.	do	17,628	7					2		1		7			
Lexington, Ky.	do	26,369	9		4							3			
Los Angeles, Cal.	May 30	102,479	60	12	9	1		4		2		42			
Lowell, Mass.	June 6	94,969	33	4	9	3		2		2		32			
Malden, Mass.	do	33,664	6	2				5		2		8			

a Intervening week previously reported.

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

Cities.	Week ended—	Popula- tion, United States census, 1900.	Total deaths from all causes.		Tuber- culosis.		Enteric fever.		Scarlet fever.		Diph- theria.		Measles.		Whoop- ing cough.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Manchester, N. H.	June 6	56,987	12						1		3		4			
Manitowoc, Wis.	do	11,786	2	2												
Marlboro, Mass.	do	13,609	6		1											
Massillon, Ohio.	do	11,944	2													
Medford, Mass.	do	18,244	6	4					1		1		6			
Melrose, Mass.	do	12,962	3										20			
Milwaukee, Wis.	May 30	285,315	79	16	9	8	1	8	1	9		41		20	1	
Mobile, Ala.	May 23	38,469	29	9	4	12	1	1					1			
Do	May 30	38,469	32	6	4	14	2									
Moline, Ill.	June 7	17,248	2										2			
Montclair, N. J.	June 6	13,962	1		1	1		1					1			
Montgomery, Ala.	June 5	30,346	22		6											
Mount Vernon, N. Y.	June 6	21,228	5						4				7		1	
Nanticoke, Pa.	May 25	12,616	5						2							
Do	June 8	12,616	2						1							
Nashville, Tenn.	June 6	80,865	48		6	2					1	3				1
Newark, N. J.	do	246,070	81		13	5		34	3	8						2
New Bedford, Mass.	do	63,442	20	2		2		2		1		20				
New Brunswick, N. J.	do	20,006						1		1						
Newburyport, Mass.	do	14,478	3										3			
New Orleans, La.	do	278,104	163	43	24	12	1	77	1	12	1					2
Newton, Mass.	do	33,587	5	2	2			1				8			3	
New York, N. Y.	do	3,437,202	1,222	440	161	45	7	498	22	268	25	1,322	17	25	5	
Niagara Falls, N. Y.	do	19,457	5			1			1	1		2				
Norristown, Pa.	May 23	22,265	7		1	1				2						
Do	June 6	22,265	2	1	1					1						
North Adams, Mass.	do	24,200	1			1										
Northampton, Mass.	do	18,643	7				1					13				
Orange, N. J.	do	24,141	7	1	2			2		1						
Ottumwa, Iowa	do	18,197	10			1						1				
Falmer, Mass.	do	7,801	1													
Pittsburg, Pa.	do	321,616	144	30	10	26	4	12		8		280	7	7	1	
Plainfield, N. J.	do	15,369	4	2												
Portland, Me.	May 23	50,145	22	1	3	3		3		1			1			
Do	May 30	50,145	21	2	2	1		1		1			1			
Portsmouth, N. H.	June 6	10,637								3						
Portsmouth, Va.	June 9	17,427	3		1	1										
Providence, R. I.	June 6	175,597	54	3	7	10	1	22		16	1	7				
Racine, Wis.	May 30	29,102	10	5						1						
Reading, Pa.	June 8	78,961	21					8		1		3		3		
Richmond, Va.	June 6	85,050	44	2	9	7		1		2		10		8	1	
Rock Island, Ill.	do	19,493	5					1				2				
Rutland, Vt.	May 30	11,499	3													
Do	June 6	11,499	4			1										
Saginaw, Mich.	do	42,345	5			1	1									
St. Joseph, Mo.	May 30	102,979	13		2							4		6	2	
St. Louis, Mo.	June 6	575,238	150	57	24	6	2	26	2	16	1	49	1	10		
San Francisco, Cal.	May 30	342,782	125	28	17	1	1	5		11	1	74	1	2		
Scranton, Pa.	do	102,026				2		11	1	4		10				
Do	June 6	102,026	21					12	1	4	1	9				
Somerville, Mass.	May 30	61,643	19	1		3		5		2	1	16		1	1	
Do	June 6	61,643	10	2	1			4		4		20				
South Bend, Ind.	do	35,999	14	1	1											
South Omaha, Nebr.	May 29	26,001	3					1		2						
Do	June 6	26,001								1						
Springfield, Ill.	June 4	34,159	10					1		3						
Springfield, Mass.	June 6	62,059	26	1	1			4		1		9				
Stelton, Pa.	do	12,068	4	1	1			1		1		1				
Tacoma, Wash.	May 30	37,714	12		1			9		2		3				
Taunton, Mass.	June 6	31,036	15		1			3	1			1				
Terre Haute, Ind.	do	36,673	7			1										
Titusville, Pa.	do	8,244	2			1						20				
Trenton, N. J.	do	73,307			2	1		3		2	1					
Waltham, Mass.	do	23,481	6	4	2					2		2				
Warren, Ohio.	May 30	8,529	2									1				
Do	June 6	8,529	2									2				

a Intervening week previously reported.

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

Cities.	Week ended—	Popula- tion, United States, census, 1900.	Total deaths from all causes.	Tuber- culosis.		Enteric fever.		Scarlet fever.		Diph- theria.		Measles.		Whoop- ing cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Warren, Pa.....	May 25	8,043	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	June 1	8,043	1	.....	.....	.....	.....	3	.....	.....	.....	3	.....	.....	.....
Washington, D. C.	June 6	278,718	89	.....	13	13	1	1	.....	6	.....	44	.....	9	.....
Wichita, Kans.....	do...	24,671	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	.....	.....	.....
Wilkes-Barre, Pa..	May 29	51,721	10	.....	.....	.....	.....	1	.....	1	.....	13	.....	1	.....
Do.....	June 5	51,721	15	.....	.....	.....	.....	6	.....	1	.....	9	.....	1	.....
Williamsport, Pa.	June 6	28,757	10	.....	.....	.....	.....	2	.....	.....	.....	4	.....	.....	.....
Wilmington, Del.	May 30	76,508	25	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
Do.....	June 6	76,508	20	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Winona, Minn.....	do...	19,714	3	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Woburn, Mass.....	do...	14,254	2	.....	1	.....	.....	2	.....	1	.....	.....	.....	.....	.....
Worcester, Mass...	do...	118,421	41	.....	6	5	.....	.....	2	.....	3	2	.....	11	.....

FOREIGN AND INSULAR.

BARBADOS.

Report from Bridgetown—Inspection of vessels.

Acting Assistant Surgeon Urquhart reports:

Week ended May 30. Bills of health issued to 9 steamships bound for ports of the United States having 495 persons in their crews and carrying 243 passengers. Two of these steamships were for United States ports, via the Spanish Main, and 2 were fumigated. The sanitary conditions of the port and island remain good, no quarantinable diseases being reported for the week.

BRITISH HONDURAS.

Report from Belize, fruit port.

Acting Assistant Surgeon Mengis reports:

Week ended June 4. Present officially estimated population, 10,000. General sanitary condition of this port and the surrounding country during the week, very good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 29	Belize	Mobile	18	1	4
29	Corinto	New Orleans	29	4	15

CHILE.

Report from Valparaiso—Plague situation.

Consul Winslow reports, April 29:

The Venezuelan superior council of hygiene has sent to the minister of the interior of Venezuela a report, of which the following is a part:

The first cases of bubonic plague at Valparaiso occurred in December of last year, and from that date to April 4 there were 32 cases and 16 deaths. Three new cases have been reported since April 4.

The bacteriological investigation carried out by the microscopical and bacteriological section of the Institute of Hygiene, with material collected by the same sanitary inspector from one of the cases mentioned above, gave positive results. This proves bacteriologically the existence of a new epidemic of bubonic plague in Valparaiso.

In a single shed at the back of the lazaretto, where there are isolated more than 100 cases of tuberculosis, the persons infected with bubonic

plague are collected and attended by nurses in common with the rest of the patients. The men attacked by plague are placed in a section of the lazaretto, separated from the neighboring department by a wall with an open door, through which there is constant communication. It is the same in the women's section, where the nurses are in constant communication with the rest of the staff. There are contagious cases of plague in the hospital among patients received suffering from other diseases.

This suffices to show that there is no real prophylaxis exercised in treating the disease in Valparaiso, and that in consequence the epidemic continues to make havoc in the population. It is also sufficient, in the judgment of the superior council of public hygiene, to cause the State to take efficient measures for the safeguarding of Valparaiso and the other cities of the Republic that are menaced by plague. The council recommends the organization of a special sanitary service that will have the power in such cases to impose the police sanitary laws.

COSTA RICA.

Report from Limon, fruit port.

Acting Assistant Surgeon Goodman reports:

Week ended May 30. Estimated population, 6,000. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 24	Esparta	Boston	44	6	0
25	Prinz Joachim	New York	132	176	2
25	Prinz Eitel Frederic.....	do	107	0	4
26	Pacuare	do	54	2	0
27	H. T. Inge.....	New Orleans	33	0	21
28	Origen	do	24	1	0
29	Zent.....	New York	52	9	0
30	Bluefields	New Orleans	24	1	0
30	Hispania	Mobile	20	0	0

Four bills of health for Panaman ports were visced and 23 certificates were issued to passengers going to Colon.

CUBA.

Report from Cienfuegos—Inspection of vessels—One case of leprosy—Cuban ports closed against Venezuela with exception of Mariel—Rainfall—Oiling of cisterns.

Acting Assistant Surgeon Marsillan reports June 8:

Week ended June 6.

Vessels inspected and bills of health issued 2
Members of crews inspected..... 55

There is no quarantinable disease here.

One case of leprosy was reported within the district and transferred to San Lazaro Hospital at Santa Clara.

In an order dated May 22, made on recommendation of the national board of health of Cuba, the governor of Cuba orders all Cuban ports closed against traffic with Venezuela, except the port of Mariel. Vessels arriving from Colombia will be subjected to a strict inspection.

Drought has been broken by some good rainfalls, but not yet in the necessary abundance.

Cisterns and other similar water reservoirs are oiled under the direction of the local health office to destroy mosquitoes.

Report from Habana—Inspection and fumigation of vessels—Heavy rainfall throughout the island—Enteric fever at Camaguey.

Passed Assistant Surgeon Amesse reports, June 8:

Week ended June 6.

Vessels inspected and bills of health issued	21
Vessels not inspected and bills of health issued	7
Members of crews of outgoing vessels inspected	747
Members of crews of outgoing vessels not inspected	316
Passengers of outgoing vessels inspected	604
Passengers of outgoing vessels not inspected	207
Certificates of immunity to yellow fever issued	40
Certificates issued to passengers bound for New York	169
Certificates issued to passengers bound for southern ports	193
Certificates of vaccination issued for Colon	82
Vessels fumigated prior to sailing	7

Torrential rains have been reported during the week from every district in the island.

Enteric fever has reached considerable proportions at Camaguey, following pollution of the water supply with infectious material, washed in by recent rains.

The sanitary condition of Habana continues satisfactory.

Report from Matanzas—Inspection of vessels—Quarantine against Venezuela and Colombia.

Acting Assistant Surgeon Nuñez reports, June 8:

Week ended June 6, 1908. Bills of health issued to 4 vessels clearing for United States ports in good sanitary condition. There were no vessels fumigated. No quarantinable diseases were reported.

The provisional governor of Cuba has issued a decree forbidding all communications of passengers and vessels between Venezuela and Cuban ports, with the exception of Mariel quarantine station, in view of the prevalence of plague in Venezuela. He also directs strict sanitary measures to be observed with passengers and ships originating from the Republic of Colombia, more especially from Carthagena, with which port Cuba has frequent communication.

Report from Santiago—Yellow fever case at Santiago.

Acting Assistant Surgeon Wilson reports:
June 11. One case of yellow fever.

ECUADOR.

Report from Quito—Improved health conditions at Guayaquil—Plague diminished.

The following is received from Minister Fox under date of May 16: Official information shows a great improvement in the health conditions in Guayaquil. The number of cases of bubonic plague has been largely reduced.

GUATEMALA.

Report from Puerto Barrios, fruit port.

Acting Assistant Surgeon Wailes reports:

Week ended June 3. Present officially estimated population, 250. General sanitary condition of this port and the surrounding country during the week, good. No quarantinable disease present.

Bills of health issued to the following-named vessel:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
June 4	Mobila	New Orleans	41	.....	.....	.....

HAWAII.

Report from Honolulu—Examination of rats for plague infection.

Passed Assistant Surgeon Currie reports, May 23, through Chief Quarantine Officer Cofer:

Week ended May 23:

Rats trapped in Honolulu	423
Rats found dead in Honolulu	1
Total rats destroyed in Honolulu	424
Number of rats examined in this laboratory	390
Number examined in Hilo under supervision of this laboratory	118
Total number of rats examined bacteriologically	509
Classification of rats examined:	
Mus decumanus	93
Mus rattus	200
Mus alexandrinus	10
Mus musculus	87
	390
Average number traps set daily	485
Glucose boards placed	7
Mice caught on glucose boards	6
Rats caught on glucose boards	2

HONDURAS.

Report from Ceiba, fruit port—Mosquito destruction.

Acting Assistant Surgeon Jumel reports:

Week ended June 2. Present officially estimated population, 6,500. General sanitary condition of this port and the surrounding country

during the week, good. The local crusade against mosquitoes continues. The authorities are now engaged in pruning the heavy foliage of trees and shrubs throughout the town.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
May 29	Joseph Vaccaro	31	2	0	0
June 1	Colombia.....	19	0	1	0

Sanitary conditions at Cacaopanda, Bonitillo, Bonita, and El Porvenir, in vicinity of Ceiba.

Cacaopanda, situated on the beach about 4 miles from Ceiba and built exclusively of manaca or palm-thatch houses, is a small settlement of about 100 Caribs, whose principal industry appears to be fishing and the marketing of that product in and around Ceiba. Strong northeast trade winds are daily occurrences, and this, combined with the absence of fresh water in the proximity, accounts for the presence of relatively few mosquitoes. The health and sanitary conditions are good. The houses are far apart, and the only street in the settlement is kept very clean. Very few diseases exist, and were it not for the free and uninterrupted daily communication with Ceiba very little if any importance would attach to this place from a quarantine view point.

Bonitillo is a small village with an estimated population of about 300 natives and Caribs, situated immediately along the beach, and about 6 miles from Ceiba, with which it has daily communication by means of a trail along the beach, numerous sailing vessels, and the recently constructed railroad. The sanitary conditions are bad. With the exception of one house all domiciles are of the manaca type, teeming with vermin, and far from being in a habitable condition. No quarantinable diseases exist, but malarial fevers are very common and of frequent occurrence. Mosquitoes, especially *Culex* and *Anopheles*, are numerous.

Bonita, built upon a silted estuary originally formed by three small rivers, is a settlement of about 50 foreigners. Situated near the beach and about 6½ miles from Ceiba, with which it enjoys frequent communication by rail and other means, this place is not an unimportant distributing point for bananas and cocoanuts. The sanitary conditions of the settlement proper are good, but conditions existing in the immediate environment are very bad. Malarial fevers are occasionally observed. All residences are effectually screened. The settlement is surrounded practically upon all sides by extensive swamps in an advanced degree of stagnation.

El Porvenir, 8 miles from Ceiba and situated along the beach near the mouth of the Juan Lopez River, has a population of about 2,000, natives, Caribs, and foreigners. Being one of the largest and most important distributing points for bananas and cocoanuts on the coast, all fruit steamers call there for cargo. The town is built upon sandy soil with a substratum of coarse gravel, which obviates in a measure the necessity for surface drainage, which does not exist. In general,

the houses are light frame structures with many openings, not one of which, however, is screened. The health conditions are fair. *Anopheles* are numerous and are continually present. There are no quarantinable diseases in El Porvenir.

Report from Puerto Cortez, fruit port—Stegomyia calopus present.

Acting Assistant Surgeon Ames reports: Week ended May 30. Present officially estimated population, about 2,400. General sanitary condition of this port and the surrounding country, very good. *Stegomyia calopus* present.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 25	Helen	Mobile	22	5	0
27	Mercator	New Orleans	18	0	0
28	Corinto	do	29	2	0
28	Bodo	Mobile	17	2	0
28	Columbia	do	19	0	0

Temperature taken of all persons on above-named vessels on day of sailing.

Report from Tela, fruit port.

Acting Assistant Surgeon Roe reports:

Week ended May 30. Present officially estimated population, about 1,250. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 28	Jos. Vaccaro	New Orleans	31	0	0
30	Columbia	Mobile	19	1	0

INDIA.

Reports from Calcutta—Transactions of Service—Cholera, plague, and smallpox—Plague in India and Bengal.

Acting Assistant Surgeon Allan reports, May 14 and 21:

During the week ended May 16 a bill of health was issued to the steamship *Kazembe*, bound for Boston and New York, with a total crew of 67 and 48 passengers for Colombo. The usual precautions were taken—the holds fumigated, rat guards placed on the wharf lines, and the Asiatics' effects disinfected.

Week ended May 2. Two hundred and thirty deaths from cholera, 73 from plague, and 15 from smallpox in Calcutta.

In Bengal, week ended May 2, 368 cases and 336 deaths from plague.

In India, during the same period, 6,803 cases and 5,579 deaths from plague.

During the week ended May 9 there were 164 deaths from cholera, 84 from plague, and 16 from smallpox in Calcutta. In Bengal during the week ended May 2 there were 224 cases of plague with 192 deaths. In India during the same period there were 5,685 cases of plague with 4,564 deaths.

ITALY.

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

Assistant Surgeon Wollenberg reports, May 25:

Vessels inspected at Naples week ended May 23.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
May 19	Ancona	New York	201	65	480
20	Principe di Udine.....	do	255	80	450
22	Florida	do	237	30	290
22	König Albert	do	156	25	210
23	Montserrat.....	do	70	10	120
	Total.....	.....	919	210	1,550

Rejections recommended.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
May 19	Ancona	9	1	8	.....	3	21
20	Principe di Udine	5	1	8	.....	.....	14
22	Florida	7	.....	3	.....	2	12
22	König Albert	3	.....	1	.....	.....	4
23	Montserrat.....	4	.....	.....	.....	2	6
	Total	28	2	20	.....	7	57

Week ended May 24. *Smallpox*.—Cases: Taggia (Porto Maurizio) 4, Trezzo sull' Adda 1, Olgiate Olona (Milan) 3, Mariano al Brembo 7, Osio 1, Sforzatico (Bergamo) 3, Malalbergo (Bologna) 1, Aquila 1, Avellino 1, Montaro Inferiore 1, Pratola Serra 1, Bagnoli Topino (Avellino) 1, Monte S. Angelo 1, Ortanova (Foggia) 2, Andria 4, Barletta 1, Molfetta (Bari) 1, Barile 1, Palazzo San Gervasio (Potenza) 1, Palermo 2, Livata 2, Porto Empedocle (Girgenti) 1.

JAPAN.

Report from Yokohama—Emigrants recommended for rejection.

Passed Assistant Surgeon Cumming reports:

Number of emigrants per steamship *Nippon Maru* recommended May 20 for rejection: For Honolulu 3; advised to wait 8. For San Francisco, advised to wait 8.

Reports from Kobe—Inspection of vessels—Examination of emigrants—Localities from which emigration is drawn—Plague and smallpox at Osaka and Nara.

Acting Assistant Surgeon Slade reports, May 19.

During the week ended May 16, 5 supplemental bills of health were granted to 5 steamships and 1 original bill of health was granted 1 steamship; 346 members of crews and 314 steerage passengers were inspected; 36 members of crews and 143 steerage passengers were bathed and had their effects disinfected by steam. The number of pieces of baggage steamed was 475; the number of pieces of bedding similarly treated, 294. Manifests were viséed for 26,246 pieces of freight, amounting to 2,331 tons.

Emigrants were examined as follows:

Steamship *Nippon Maru* for Honolulu, passed 137; recommended for rejection, 74; steamship *Nippon Maru* for San Francisco, passed 7; recommended for rejection 5.

The report from Osaka for the week ended May 9 shows 2 cases of plague with 2 deaths and 52 cases of smallpox with 29 deaths.

Plague broke out early this month at Nara, about 22 miles northeast of Osaka; from the last report, May 14, there were 7 cases.

Between the islands of Kuishu and Formosa there are a number of islands named the Luchus. From this section of the Empire of Japan an ever-increasing number of emigrants, bound chiefly for Honolulu, but some also for Seattle, is recruited. They are generally healthy except for scabies, from which disease about 10 per cent have to be rejected. It is extremely rare to find any suffering from trachoma. Emigrants who leave this port are strong and healthy. It is rare that any have to be refused except for trachoma, but for this disease alone about 33½ per cent are rejected. The Japanese oculists understand well the treatment, both surgical and medical, of this disease, and the people are becoming more alive to its importance. Great numbers of emigrants come from Hiroshima and Yamaguchi districts, which are located about 180 miles south of Kobe.

Statistics of smallpox at Kobe during the six years ended December 31, 1907.

Year.	Disease.	Cases.	Deaths.	Date of first outbreak.	Date of last case.
1902	Cholera	841	607	June 9	November 4.
	Plague	1	1	April 21	April 21.
	Smallpox	0	0	.....	.....
1903	Cholera	62	35	April 22	October 1.
	Plague	0	0	.....	.....
	Smallpox	29	1	.....	.....
1904	Cholera	33	18	May 27	November 4.
	Plague	1	1	.....	.....
	Smallpox	8	0	.....	.....
1905	Cholera	7	2	May 27	August 2.
	Plague	89	67	August 6	Continued through year.
	Smallpox	3	0	.....	.....
1906	Cholera	0	0	.....	.....
	Plague	64	48	Continued from previous year	December 5.
	Smallpox	4	1	.....	.....
1907	Cholera	500	174	August 17	December 6.
	Plague	1	1	May 1	May 1.
	Smallpox	812	148	August 17	Continued into 1908.

MEXICO.

Report from Salina Cruz—Inspection and fumigation of vessel.

Acting Assistant Surgeon McPherson reports, June 1:

During the period May 16 to 31, inclusive, one steamship cleared from this port for the United States, the steamship *Arizonan*, which left May 25 for San Diego, Cal., and was fumigated throughout while in the roadstead outside the harbor.

Reports from Veracruz—Inspection and fumigation of vessels—Few mosquitoes—Further relative to yellow fever cases on bark Lembit at Laguna.

Acting Assistant Surgeon Jacobs reports, May 31 and June 7:

Week ended May 30, no quarantinable diseases were reported.

There are few mosquitoes to be found, as the rainy season has not yet begun.

During the week 6 vessels were inspected and fumigated, and 5 inspected only.

Three cases of yellow fever, previously reported, occurred on board the Russian bark *Lembit* at Laguna de Terminos. Of these cases 2 ended fatally (the captain and quartermaster of the vessel), and the remaining case is isolated and screened. A delegate of the Federal board has been sent to make further investigations.

Laguna is the name given to this port because it is at the outlet of a large lagoon. It is situated in the State of Campeche, just across the border from the State of Vera Cruz. It has no railroad, and infection of the port could occur only by vessels.

Week ended June 6. Four vessels inspected and 4 inspected and fumigated.

The health and sanitary conditions of Vera Cruz and surrounding country are good.

No quarantinable disease has been reported during the week.

Mosquitoes are present, but not numerous.

A telegram was received from the delegate of the national board of health to-day, stating that there was another death from yellow fever with one confirmed case at Laguna. The cases are isolated and screened. This makes 3 deaths in all since yellow fever was first reported. There is little communication with Laguna, and very few nonimmunes reside there.

Vessels from that port are being fumigated and passengers are under surveillance if they remain in this vicinity. If they go into the interior, a report is sent to the place, where they are to stay until the six days have expired.

NICARAGUA.

Report from Bluefields, fruit port.

Acting Assistant Surgeon Layton reports:

Week ended May 26. Present officially estimated population, 2,500. General sanitary condition of this port and the surrounding country during the week, good. Few mosquitoes.

Bill of health issued to the following-named vessel:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 22	Dictator	New Orleans	18	4	0

PANAMA.

Report from Bocas del Toro, fruit port.

Acting Assistant Surgeon Osterhout reports as follows:

Week ended May 26. General sanitary condition of this port and the surrounding country during the week, good. Present officially estimated population, 4,954.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Destination.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.
May 20	Mount Vernon	Mobile	20	0	0
21	Fort Morgan	do	23	2	0
22	Frutero, via Santa Marta	New York	25	0	0
24	Chickahominy	New Orleans	46	2	0

PERU.

Reports from Callao—Inspection and fumigation of vessels—Status of plague in Peru—Smallpox in Lima.

Acting Assistant Surgeon Gutierrez reports, May 13 and 20:

Week ended May 9. Two vessels were dispatched, with an aggregate personnel of 130 in the crew, 81 cabin and 58 steerage passengers. Both were fumigated.

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

Locality.	Cases April 22.	New.	Recovered.	Died.	Remain- ing May 4.
Lima (city)	11	6	6	4	8
Lima (district)	1	1			
Callao	2	4	2	2	4
Chosica	2	2			
Santa Eulalia (Huarochiri)	1	1	1	6	37
Trujillo (city)	52	5			
Trujillo (district)	1	9	23	6	2
Ferreñafe	3	1			
Eten (city)	4	6	6	3	1
Catacaos	1	1			
Mollendo	2	1	1	1	2
Monsefí	1	1			
Chiclayo	4	5	8	4	5
Niepos (Hualgayoc)	9	12			
Chepen (Pacasmayo)	3	3	3	3	3
Total	95	39?				48	19	70

One of the cases reported among those from Trujillo was found in Salaverry. Two new cases of smallpox have occurred in Lima.

Week ended May 16. Two steamships and two American schooners were dispatched, with an aggregate personnel of 188 in the crews, and 90 cabin and 51 steerage passengers.

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

Locality.	Cases May 5.	New.	Recovered.	Died.	Remaining May 11.
Lima (city).....	8	2	} 1	} 1	9
Lima (district).....		1			
Callao.....	4		1		3
Chosica.....	2		2		
Trujillo (city).....	37	} 2	} 11		28
Trujillo (district).....					
Ferrenafe.....	2		2		
Eten (city).....	1		1		
Mollendo.....	2	1			3
Monsefu.....	1				1
Chiclayo.....	5		4		1
Chepen.....	3				3
Niepos (Hualgayoc).....	5		3		2

One case of plague occurred in Callao yesterday and two cases to-day. Both cases have been removed to the lazaretto.

Two cases of smallpox remain isolated in the hospital, and no new case was reported in Lima last week.

ST. LUCIA ISLAND.

Report from Castries—Inspection of vessels—No quarantinable diseases.

Acting Assistant Surgeon Maylie reports, May 26:

Week ended May 23. Two steamships were fumigated and given bills of health. No quarantinable diseases are present here.

SIERRA LEONE.

Report from Sierra Leone—Quarantine on account of plague on British Gold Coast suspended.

Consul Yerby reports May 4:

At Akkra, March 8, 6 cases of plague with 3 deaths were reported for the week ended March 7. March 15, 4 cases were reported. Eight deaths were reported near Adjumatto, Saltpond district, up to March 9. March 16, 1 case was reported at Cape Coast, and another case March 19. March 23, 3 cases were reported at Akkra, with 5 deaths. April 2, 1 case was reported at Akkra, and another case and 1 death on April 6. April 12, 2 more cases and 2 deaths were reported.

Since April 18 no more cases of plague have been discovered and clean bills of health are being issued to all vessels calling at Akkra and other Gold Coast ports.

Quarantine was lifted at all Sierra Leone ports April 20.

VENEZUELA.

Reports from Caracas—Plague at Caracas and La Guaira.

The following information is received from the American chargé d'affaires, through the Department of State, under dates of June 4 and 5:

June 4.—La Guaira consulate reports: May 30, 1 case; May 31, 5 cases; June 1, 2 cases. Four of the foregoing cases are known to have been fatal. There was 1 death from plague at Caracas May 30.

June 5.—Plague situation worse in Caracas, 2 cases June 4; 1 case June 5; 1 death. The Government to date has taken no special measures to combat the disease.

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

AFRICA—*Lourenço Marquez*.—Month of April, 1908. Estimated population, 10,000. Total number of deaths, 42, including beriberi 1, leprosy 1, smallpox 1, and 11 from tuberculosis.

Orange River Colony, Bloemfontein.—Month of March, 1908. Estimated population, 12,000. Total number of deaths, 11, including 1 from tuberculosis. Month of April, 1908. Total number of deaths, 7, including 2 from tuberculosis.

Zanzibar.—Month of April, 1908. Estimated population, 75,000. Total number of deaths, 112, including 18 from tuberculosis.

BRAZIL—*Sao Paulo, Santos, and Campinas*.—Week ended May 3, 1908. Estimated population, 300,000. Total number of deaths, 161, including scarlet fever 2, leprosy 1, measles 1, and 12 from tuberculosis.

BORNEO—*Sandakan*.—Period from January 1 to March 31, 1908. Estimated population, 10,495. Total number of deaths, 78, including beriberi 18 and 4 from phthisis pulmonalis.

FRANCE—*Calais*.—Month of May, 1908. Estimated population, 70,000. Total number of deaths, 117, including 27 from tuberculosis.

Nice.—Month of April, 1908. Estimated population, 150,881. Total number of deaths, 254, including diphtheria 1, enteric fever 2, measles 13, scarlet fever 3, whooping cough 2, and 33 from tuberculosis.

GIBRALTAR.—Two weeks ended May 31, 1908. Estimated population, 36,830. Total number of deaths, 11.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 76 great towns in England and Wales during the week ended May 23, 1908, correspond to an annual rate of 13.2 per 1,000 population, which is estimated at 16,234,952.

London.—One thousand one hundred and fifty-three deaths were registered during the week, including measles 35, scarlet fever 8, diphtheria 6, whooping cough 23, enteric fever 2, tuberculosis 153, and 9 from diarrhea. The deaths from all causes correspond to an annual

rate of 12.5 per 1,000. In Greater London 1,604 deaths were registered. In the "outer ring" the deaths included 3 from measles, 1 from scarlet fever, 5 from diphtheria, 1 from smallpox, and 7 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended May 23, 1908, in the 21 principal town districts of Ireland was 18.4 per 1,000 of the population, which is estimated at 1,131,959. The lowest rate was recorded in Galway, viz, 3.9, and the highest in Armagh, viz, 41.2 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended May 23, 1908, correspond to an annual rate of 15.4 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Dundee, viz, 19.5, and the lowest in Paisley, viz, 12.1 per 1,000. The aggregate number of deaths registered from all causes was 542, including diphtheria 2, measles 9, scarlet fever 6, enteric fever 2, and 11 from whooping cough.

ITALY—Genoa.—Month of April, 1908. Estimated population, 279,163. Total number of deaths, 446, including diphtheria 2, enteric fever 3, and 52 from tuberculosis.

MALTA.—Three weeks ended May 23, 1908. Estimated population, 206,690. Total number of deaths, 291, including diphtheria 1, enteric fever 2, measles 8, and 15 from tuberculosis.

SWITZERLAND.—Week ended May 16, 1908. Reports from 18 cities, having an aggregate population of 876,946, show as follows: Total number of deaths, 307, including diphtheria 2, measles 1, scarlet fever 1, whooping cough 1, and 67 from tuberculosis.

WEST INDIES—Curaçao.—Two weeks ended May 29, 1908. Estimated population, 31,600. Total number of deaths, 10. No deaths from contagious diseases reported.

St. Thomas.—Three months ended March 31, 1908. Estimated population, 11,002. Total number of deaths, 98, including enteric fever 1, diphtheria 1, and 11 from phthisis pulmonalis.

Cholera, yellow fever, plague, and smallpox reported from December 28, 1907, to June 19, 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 June 28, 1907, to December 27, 1907, see PUBLIC HEALTH REPORTS for December 27, 1907.]

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

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Hedjaz, general	Dec. 13-Mar. 11 ...	6,378	5,695	On Hedjaz R. R. Jan. 1-Mar. 8 169 cases and 89 deaths.
Abou Ali	Dec. 31-Jan. 19 ...	69	49	
Abou-Saad (Jiddah)	Dec. 21-29	128	58	
Jiddah	Dec. 10-Feb. 8	410	369	26 cases and 19 deaths from ss. Nivernais from Dec. 27-Jan. 5.
Kamaraan	Dec. 2-7	3	2	8 cases to Nov. 23.
Medaini Saliyah	Feb. 24-Mar. 1	57	42	On borders of the Vilayet.
Medina	Dec. 18-Jan. 18	330	220	
Mekka	Dec. 21-Feb. 8	5,066	4,706	
Tor	Jan. 24-30	3		From ss. Assuan.
Yembo	Dec. 20-Mar. 15	310	213	
Ceylon:				
Colombo	Nov. 24-May 2 ...	3	2	
China:				
Hongkong	Oct. 27-Apr. 4 ...	13	13	Imported.
India:				
Bengal	Apr. 1-30			Coal fields from Asansol to Jher- ria, 20 deaths daily.
Bombay	Dec. 4-May 12		24	
Calcutta	Nov. 17-May 2		3,143	
Cochin	Oct. 26-Jan. 31		98	
Madras	Dec. 1-May 8		114	
Negapatam	Nov. 16-Apr. 3		119	
Rangoon	Nov. 11-May 9		141	
Tuticorin	Nov. 30-Jan. 24		410	
Indo-China:				
Saigon	Mar. 22-Apr. 25	77	56	Present from Feb. 21.
Japan:				
De Vries (Oshima) Island	Dec. 3	5		
Gumma Ken	May 6	1		
Ibaraki	Nov. 27	1		
Kanagawa	Dec. 1-2	4		
Kobe	Nov. 17-Dec. 7	14	5	
Moji	Oct. 20	1	1	From ss. Tamba Maru.
Nagasaki	Nov. 18-Feb. 23	4	1	Report received out of date gives to Nov. 30, 248 cases and 148 deaths additional.
Osaka	Dec. 8-21	7	6	
Shinagara	Nov. 27			Present on 2 Japanese torpedo- boat destroyers.
Tokushima	Nov. 27	27	22	
Tokyo	Nov. 28-May 1 ...	206	62	Case, May 1, in Asakusa.
Yokohama	Oct. 27-Dec. 16	9	8	
Yokosuka	May 12	1		
Korea:				
Seoul	Jan. 1-Dec. 12	35		In Japanese colony. Mainly in September and October.
Philippine Islands:				
Cebu Quarantine Station	Jan. 2-11	4	1	From ss. Romulus.
Las Piñas	Mar. 29-Apr. 4			Present.
Manila	Nov. 10-Mar. 21	256	206	Second quarter, calendar year 1907, no cases and no deaths; third quarter, 80 cases, 71 deaths; fourth quarter, 114 cases and 123 deaths.
Mariquina	Jan. 4-18	48	45	
Provinces				Second quarter, calendar year 1907, no cases, no deaths; third quarter, 149 cases, 129 deaths; fourth quarter, 329 cases and 242 deaths.
Bulacan	Dec. 7-Jan. 18			Present.
Leyte ^a				
Carigara ^a	July 1-Sept. 30	86	77	Dec. 7, again present.
Barugo ^a	July 1-Sept. 30	10	10	
Masbate				
Mandaon	July 1-Sept. 30	53	42	
Pampanga	Dec. 7-Jan. 18			Present.
Pangasinan	Apr. 4			Do.
Zambales	Jan. 26-Feb. 1	158	108	

^a Report received out of date.

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

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia, general	Nov. 7-Jan. 7	732	416	
Akmolinsk	Nov. 7-Dec. 4	40	36	
Baku	Nov. 7-12	18	12	
Ekaterinslaw, Govt. dist.	Nov. 7-29	42	24	Including city of Rostow.
Jaroslaw, Govt. dist.	Nov. 7-Dec. 4	13	10	
Kief, Govt. dist.	Nov. 7-Dec. 4	65	8	
Kief	Nov. 19-Dec. 25	100	18	
Kostroma, Govt. dist.	Nov. 7-13	1	1	
Kuban	Nov. 7-Jan. 7	12	5	
Kursk, Govt. dist.	Nov. 7-Dec. 18	41	13	Including Woronesch.
Minsk	Nov. 7-12	2	1	
Moscow	Nov. 7-12	7	8	In industrial district.
Orenburg, Govt. dist.	Nov. 7-Dec. 4	3	1	
Penza	Nov. 7-Dec. 4	101	36	
Samara, Govt. dist.	Nov. 7-Jan. 7	42	25	
Simbirsk, Govt. dist.	Nov. 7-29	6	2	
Tobolsk	Nov. 7-12	112	79	
Tomsk, Govt. dist.	Nov. 7-Jan. 14	71	26	
Tchernigov and Poltaws.	Nov. 7-29	36	15	
Volga, middle dist.	Nov. 7-12	47	22	
Straits Settlements:				
Perlis	Oct. 19			Present.
Singapore	Jan. 22	1		
Turkey in Asia:				
Khorassan	Nov. 10-Dec. 4	4	4	
Sinope	Dec. 6-8	3	4	
Turkey in Europe:				
Constantinople	Jan. 4-26		11	

YELLOW FEVER.

Brasil:				
Manaos	Nov. 24-May 2		56	Reports for Jan. 18, Feb. 29, and Mar. 7 not yet received.
Para	Dec. 1-May 16	260	173	
Pernambuco	Feb. 16-Apr. 15	3	3	
Rio de Janeiro	Nov. 18-Mar. 22	4	2	
Costa Rica:				
Punta Arenas	May 7	1		
San Jose	Apr. 1-30	1		
Cuba:				
Habana Province—				
Habana	Feb. 4-6	2		Week ended Jan. 18, 2 cases reported in Habana Province, localities not specified.
Guanamon	Jan. 16-17	2	1	
Guines	Dec. 23-27	1	1	From Palos.
Matanzas Province—				
Cardenas	Feb. 14	1	1	From ss. Britannic.
Santa Clara Province—				
Cienfuegos	Dec. 29-Jan. 24	10	5	Case Dec. 31 from Palmira; case Jan. 8 from schr. Mercedita; 1 case Jan. 8 from Rodas; Jan. 14, 1 case at Hanabanilla and 1 case at Central Plantation, Jaragua.
Palmira	Dec. 31-Jan. 19	3	1	
Rodas	Dec. 30-Jan. 6	1	1	
Santa Clara	Jan. 6-Feb. 23	8	1	
Santiago Province—				
Santiago	Jan. 15-June 11	5	1	
Ecuador:				
Guayaquil	Dec. 1-May 16		84	
Huigra	Feb. 5-11		4	
Guatemala:				
Chiquimula	Jan. 27			Present on R. R. from Puerto Barrios to Guatemala City. Present. Also present in Nov. and Dec.
Zacapa	Jan. 27			Do.
Mexico:				
Laguna de Terminos	May 18-June 7	4	3	On Russian bark Lembit.
Venezuela:				
Ciudad Bolivar	Feb. 26		1	Present in January.
La Guaira	Nov. 17-Feb. 29			Present.
West Indies:				
Barbados—				
Bridgetown	Dec. 4-Apr. 14	10	7	And vicinity.
Trinidad	Jan. 5-May 31	8	8	

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

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Africa:				
Algeria—				
Bône.....	Nov. 15.....	1		
Philippeville.....	Oct. 19–Nov. 2.....	7		
British Gold Coast—				
Adjumatio.....	To Mar. 9.....		8	
Akkra.....	Jan. 11–Apr. 12.....		128	
Brewa.....	Jan. 11–Feb. 17.....		19	
Cape Coast Castle.....	Mar. 16–19.....	2		
Nianyano.....	Jan. 11–Feb. 24.....	5		
Tema.....	Jan. 11–Feb. 23.....		9	
Egypt—				
Alexandria.....	Nov. 28–May 12.....	22	13	
Damietta.....	Dec. 22–28.....	1		
Port Said.....	Dec. 8–14.....	1		
Provinces—				
Assiout.....	Dec. 12–May 13.....	183	121	
Beherach.....	Mar. 27.....	1		
Beni Souef.....	Jan. 18–May 14.....	71	32	
Dakahlieh.....	Dec. 4–May 7.....	7	3	
Fayoum.....	Jan. 24–May 14.....	91	60	
Galyoobeech.....	Mar. 26–May 9.....	23	6	
Garbieh.....	Dec. 4–May 14.....	49	21	
Girgeh.....	Feb. 4–Apr. 22.....	43	30	
Kena.....	Feb. 12–May 10.....	187	157	
Menouf.....	Feb. 21–Mar. 14.....	3	1	
Minieh.....	Dec. 17–May 14.....	113	47	
Portuguese East Africa—				
Lourenço Marquez.....	Nov. 24–Dec. 12.....	8	5	
Tunis—				
Bizerta.....	Nov. 30.....	1		
Kairwan.....	Nov. 30.....	3	2	
Tunis.....	Nov. 30.....	1		
Arabia:				
Jiddah.....	Jan. 14–Mar. 1.....		65	Apr. 5, still present.
Yembo.....	Jan. 3–May 15.....	207	192	
Australia:				
Brisbane.....	Jan. 3–Apr. 19.....	10	6	
Cairns.....	Nov. 23–Jan. 29.....	2	2	
Kempsey.....	Feb. 22.....	1	1	
Mackay.....	Apr. 29.....	1	1	
Sydney.....	Dec. 29–Feb. 24.....	4		
Brazil:				
Bahia.....	Nov. 2–Mar. 28.....	41	34	Present.
Corumba.....	Jan. 15.....			
Para.....	Feb. 23–Mar. 28.....	3	2	
Pernambuco.....	Dec. 1–Feb. 15.....		5	
Rio de Janeiro.....	Nov. 18–Apr. 19.....	68	16	
Santos.....	Dec. 9–15.....		1	
Chile:				
Antofagasta.....	Jan. 12–Apr. 11.....	108	22	
Arica.....	Dec. 14–Mar. 8.....	6	2	Apr. 13, still present.
Iquique.....	Apr. 7–12.....	12	4	Feb. 25–Apr. 6, present.
Valparaiso.....	Dec. 8–Apr. 29.....	35	16	
China:				
Amoy (Kulangsu).....	Nov. 10–23.....			Present. Apr. 25, again present.
Foochow.....	Apr. 18.....			Present.
Hongkong.....	Oct. 27–Apr. 25.....	94	84	Report for Feb. 22 not received.
Hwang-Hien.....	Jan. 16.....	4		
Kowloon.....			104	1907.
Tengchow.....	Jan. 16.....	1		
Ecuador:				
Guayaquil.....	Feb. 13–May 16.....		217	Also on Guayaquil and Quito R. R. Report for May 9 not received.
Huigra.....	Apr. 24.....			Present.
Great Britain:				
Glasgow.....	Aug. 17–31.....	1	1	Received out of date.
Hawaii:				
Hilo.....	Feb. 22–Apr. 6.....	2	2	
India:				
Bombay Presidency and Sind.....	Nov. 10–Apr. 25.....	44,850	33,729	
Madras Presidency.....	Nov. 10–Apr. 25.....	2,959	2,348	
Bengal.....	Nov. 10–Apr. 25.....	16,051	13,392	
United provinces.....	Nov. 10–Apr. 25.....	21,978	19,227	
Punjab.....	Nov. 10–Apr. 25.....	30,603	25,251	
Burma.....	Nov. 10–Apr. 25.....	4,529	4,214	
Central provinces, including Berar.....	Nov. 10–Apr. 25.....	4,782	3,591	
Coorg.....	Dec. 29–Apr. 25.....		16	
Mysore State.....	Nov. 10–Apr. 25.....	8,503	6,677	
Hyderabad State.....	Nov. 10–Apr. 25.....	1,908	1,311	

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

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India—Continued.				
Central India.....	Nov. 10-Apr. 25 ...	1, 578	985	
Rajputana.....	Nov. 10-Apr. 25 ...	8, 787	7, 118	
Kashmir.....	Nov. 10-Apr. 25 ...	76	53	
Northwest frontier province.	Nov. 10-Apr. 25 ...	360	221	
Total for India		146, 936	118, 128	
Japan:				
Formosa	Jan. 5-May 9	656	548	
Kobe	Feb. 11.....	1		
Nagasaki.....	To Nov. 30.....	36	23	
Nara.....	May 1-14.....	7		
Nushima Island	Jan. 4.....			Present.
Osaka	Nov. 17-May 9	297	282	
Taira Mura, Goto Island.....	Oct. 23-Dec. 31.....	18	17	Additional to previous reports.
Mauritius.....	Dec. 13-Mar. 12.....	17	16	
Peru:				
Callao	Dec. 5-May 11	24	8	
Catacos.....	Dec. 12-Apr. 14	49	21	
Chepen	Jan. 24-Apr. 21	17	10	
Chiclayo	Feb. 28-May 4	35	29	
Chosica	Nov. 21-Apr. 14	16	12	
Eten	Jan. 16-May 4	64	33	
Ferrenafe	Jan. 16-May 4	11	2	
Hualgayoc (Niepos).....	Mar. 27-Apr. 21.....	16	7	
Jequetepeque	Dec. 12-31	2	1	
Lambayeque	Jan. 24-30	2		
Lima	Nov. 21-May 11	110	60	
Matucana	Nov. 28-Dec. 4	2		
Mollendo	Feb. 13-May 11	18	12	
Monsefu	Feb. 12-Apr. 21	16	4	
Pacasmayo	Feb. 13-Apr. 14.....	2		And vicinity.
Paita	Nov. 21-Mar. 4.....	82	61	
Pisco	Mar. 13-26	1	1	
Piura	Nov. 21-Feb. 13.....	23	16	
San Geronimo	Dec. 19-25	11		
San Pedro	Jan. 24-30	1	1	
Santa Eulalia	Jan. 30-Apr. 14	9	7	
Sullana, province of Paita.....	Feb. 28-Mar. 4.....	1		
Trujillo	Nov. 21-May 11.....	302	150	Do.
Straits Settlements:				
Singapore	Nov. 10-May 2		8	
Turkey in Asia:				
Bagdad.....	May 7-23.....	20	6	Still present June 2.
Kerbela	Mar. 13	2		
Smyrna	Feb. 1-29.....		1	
Uruguay:				
Montevideo	Apr. 19	5		
Venezuela:				
Caracas.....	May 25-June 5.....		3	
La Guaira	Mar. 1-May 31.....		84	From May 22-June 4, 12 cases.
West Indies:				
Trinidad	June 3		3	

SMALLPOX.

Africa:				
Algeria—				
Algiers	Nov. 1-Apr. 30	8	2	Mar. 5, 2 cases and 1 death on ss. Colenso.
British South Africa—				
Bloemfontein	Oct. 1-Apr. 11	1		
Cape Town.....	Nov. 17-Apr. 11	4		
East London.....	Jan. 5-Apr. 25.....	6	4	
Pretoria	Mar. 30-Apr. 16	2		
Egypt, general				
Cairo	Nov. 4-Apr. 24	1, 039	263	
Cairo	Dec. 15-May 20	74	34	
Suez.....	Jan. 1-May 6	23		
Portuguese East Africa—				
Lourenço Marquez.....	Jan. 1-Apr. 30.....		2	
Arabia:				
Aden	Feb. 11-May 27		58	From pilgrim ships.
Jiddah	Jan. 31			Present among pilgrims.
Argentina:				
Buenos Aires	Jan. 1-31		3	
Rosario	Sept. 1-Dec. 31		5	

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

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Austria:				
Bohemia	Jan. 19-25	3	.....
Galicia	Dec. 8-May 16	41	.....
Küstenland	Dec. 8-15	1	.....	Imported.
Silesia	Jan. 27-Feb. 1	2	.....
Trieste	Apr. 5-25	2	1	
Vienna	Mar. 8-Apr. 4	3	.....
Australia:				
New South Wales— Newcastle	Dec. 1-31	1	.....
Belgium:				
Ghent	Dec. 8-Apr. 25 .....	.....	4	
Brasil:				
Bahia	Nov. 2-Mar. 28	568	4	Case Apr. 11—on ss. Avon.
Manaos	Mar. 15-Apr. 25	7	.....
Para	Dec. 1-Apr. 11	67	34	
Pernambuco	Oct. 16-Apr. 15 .....	.....	687	Report from Oct. 1-15 not yet received.
Rio de Janeiro	Nov. 18-May 10	1,681	644	
Santos	Dec. 2-8 .....	.....	1	
Canada:				
British Columbia— Vancouver	July 1-Mar. 31	6	.....
Manitoba— Winnipeg	Dec. 22-June 6	45	.....
New Brunswick— Alma	Jan. 23 .....	.....	.....	Present.
Fox Creek	Mar. 2	10	.....
Moncton	Feb. 1-23 .....	.....	.....	Do.
Nova Scotia— Halifax	Dec. 15-June 6	39	.....
Ontario Province	Dec. 19 .....	.....	.....	Outbreak reported in several places.
Belleville	Dec. 17-23	4	.....
Hamilton	Jan. 1-Apr. 30	33	1	
Toronto	Jan. 5-Apr. 18	42	.....
Quebec Province— Montreal	Feb. 23-29	1	.....
China:				
Amoy (Kulangsu)	Nov. 10-Apr. 4 .....	.....	.....	Present.
Foochow	Jan. 12-Apr. 25 .....	.....	.....	Do.
Hankow	Dec. 15-Jan. 25	2	.....	Imported.
Hongkong	Nov. 10-Apr. 25	393	308	Report for Feb. 22 not received. 1907.
Kowloon .....	.....	.....	56	
Nanking	May 1 .....	.....	.....	Present.
Shanghai	Nov. 18-Apr. 26	α53	204	
Ecuador:				
Guayaquil	Dec. 1-May 16 .....	.....	75	Report for May 9 not received.
France:				
Brest	Dec. 30-Feb. 22	12	3	
Marseille	Dec. 1-Apr. 3 .....	.....	36	
Paris	Dec. 1-May 23	172	3	
Toulon	Mar. 1-Apr. 30	15	.....
Germany, general.	Nov. 17-May 16	196	.....	Nov. 17-May 2. Mainly among Russian workmen. Apr. 11, present in Stettin Government district. Reports from Feb. 29-Mar. 14 and Mar. 21-31 not received.
Brunswick	May 19-23	1	.....
Gibraltar	Jan. 17-23	1	.....
Great Britain:				
Edinburgh	Jan. 12-May 16	20	1	
Glasgow	Feb. 29-May 15	2	.....
Greenock	Mar. 1-7	1	.....
Leith	Dec. 28-Apr. 18	36	6	
Liverpool	Mar. 29-Apr. 4	2	.....
London	Mar. 22-Apr. 25	1	1	
Southampton	May 10-16	1	.....	"Outer ring," May 3-9, 4 deaths.
Hawaii:				
Honolulu	Jan. 18-Mar. 13	3	.....	Case Jan. 18 from ss. Hongkong Maru; case Feb. 28 from ss. China; case Mar. 12 from ss. Nippon Maru.
Honduras	Mar. 28 .....	.....	.....	Present in the interior.
Tegucigalpa	Mar. 2-8	2	.....
India:				
Bombay	Dec. 4-May 12 .....	.....	697	
Calcutta	Nov. 17-May 2 .....	.....	287	

αCases among foreigners; deaths among natives.

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

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India—Continued.				
Madras	Dec. 14-Apr. 17 .....	.....	68	
Rangoon	Feb. 2-Apr. 11 .....	.....	7	
Simla	Apr. 16-23	2	1	Europeans. Present also among natives.
Indo-China:				
Cholon	Mar. 22-28	1	.....
Saigon	Feb. 21-Mar. 7	4	.....
Italy, general				
Catania	Dec. 6-May 24	1,569	.....
Genoa	Dec. 27-May 21 .....	.....	14	
Genoa	Dec. 1-Apr. 30 .....	.....	19	
Messina	Dec. 22-28 .....	.....	.....	Present.
Naples	Feb. 2-Apr. 11 .....	.....	14	Case Mar. 28 from ss. Schleswig from Alexandria.
Japan, general				
Bakan	Jan. 1-Mar. 31	14,368	.....	Year 1907, 981 cases.
Bakan	Jan. 1-Mar. 7	28	8	
Formosa	Feb. 11-May 9	12	1	
Kagoshima	Jan. 1-Mar. 31	1	.....
Kobe	Nov. 17-May 2	5,202	1,880	Case Dec. 7 on W. H. Talbot sailing vessel.
Hiroshima	May 6	1	.....
Moji	Jan. 1-Apr. 6	171	48	
Nagasaki	Nov. 30-May 10	25	8	
Osaka	Jan. 5-May 9	2,515	1,327	
Shimonoseki	Jan. 1-May 9	56	12	
Tokyo	Jan. 1-Mar. 31	1,364	.....
Wakamatsu	Jan. 1-Mar. 7	134	.....
Yokohama	Nov. 28-May 11	449	146	Case Apr. 25, from ss. Alesia.
Java:				
Batavia	Nov. 10-May 2	88	2	
Korea:				
Seoul	Jan. 1-Mar. 1	21	.....	In Japanese colony.
Malta	Dec. 1-Apr. 4	70	6	
Manchuria:				
Dalny	Jan. 5-Feb. 15	5	1	From corrected report; 3 cases imported.
Mexico:				
Aguascalientes	Dec. 9-May 24 .....	.....	53	
Manzanillo	Dec. 1-Mar. 14	4	2	
Matamoros	Mar. 12-Apr. 4	4	1	
Mexico City	Nov. 17-Apr. 18 .....	.....	103	
Monterey	Dec. 23-Apr. 12 .....	.....	10	
Nuevo Laredo	Jan. 28-Feb. 4	2	.....
Progreso	Mar. 19-Apr. 30	28	.....	Yaqui laborers in quarantine, from American ss. Esperanza and Mexican ss. Sinaloa from Veracruz.
Veracruz	Mar. 8-Apr. 18	7	.....	Imported.
Netherlands, The:				
Rotterdam	Jan. 5-25	3	.....
Panama:				
Colon	Dec. 8	1	.....	From ss. Atrato.
Persia:				
Hamadan	Oct. 7-Feb. 3 .....	.....	.....	Present.
Kermanshah	Jan. 6-Feb. 15 .....	.....	21	
Mazandaran	Feb. 1-Mar. 30 .....	.....	.....	Do.
Oroomeyah	Nov. 4 .....	.....	.....	Do.
Seistan	Oct. 7 .....	.....	.....	Do.
Sheeraz	Oct. 7-Mar. 30 .....	.....	.....	Do.
Sultanabad	Feb. 1-29 .....	.....	.....	Do.
Tabriz	Oct. 4-Feb. 3 .....	.....	.....	Do.
Teheran	Mar. 4-Apr. 2 .....	.....	22	Nov. 4-Feb. 3, present.
Toorboot	Oct. 7-Nov. 1 .....	.....	.....	Present.
Peru:				
Callao	Nov. 20-Feb. 2	3	2	Apr. 4, present.
Lima	Dec. 2-May 20 .....	.....	.....	Present.
Philippine Islands:				
Manila	Sept. 22-Apr. 25	89	29	Jan. 23-30, 1 case and 1 death from ss. Benvorlich; Jan. 26, 3 cases from ss. Nikku Maru.
Provinces—				
Cebu	Mar. 7 .....	.....	.....	Epidemic.
Cebu quarantine station	Apr. 5-13	2	.....	Case Apr. 5 from ss. Jason; case Apr. 13 from ss. Oceano.
Pangasinan—				
San Fabian	Feb. 8	100	.....
Portugal:				
Barreiro	Apr. 4	1	.....
Lisbon	Dec. 8-May 16	43	.....

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

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia:				
Batoum	Nov. 14-Apr. 30	134	.....
Finland—				
Helsingfors	Feb. 17-28	22	.....
Libau	Jan. 19-Apr. 18	18	2	
Moscow	Nov. 24-May 16	731	332	
Odessa	Nov. 24-May 16	77	24	
Riga	Dec. 1-May 16	79	15	8 deaths in October received out of date.
St. Petersburg	Dec. 1-May 9	562	87	
Warsaw	Oct. 13-Apr. 18		313	
Siberia:				
Vladivostok	Nov. 22-May 5	5	.....
Spain:				
Almeria	Jan. 1-Mar. 31		27	
Barcelona	Jan. 10-Mar. 1		8	
Cadiz	Nov. 1-Mar. 31		17	
Cartagena				1907, 23 deaths.
Denia	Dec. 22-May 16	120	16	
Madrid	Nov. 1-Apr. 30		3	
Malaga	Nov. 1-Jan. 31		22	Report for October not received.
Seville	Nov. 1-Apr. 30		3	
Valencia	Dec. 2-May 23	600	58	
Vigo	Dec. 30-May 2		9	
Straits Settlements:				
Penang	Feb. 16-Apr. 25	5	.....
Singapore	Dec. 30-Apr. 18		7	
Switzerland:				
Bern, canton	Feb. 23-29	1	.....
Luzern, canton	Feb. 23-29	1	.....
Zurich	Mar. 15-Apr. 18	18	.....
Turkey in Asia:				
Bagdad	Nov. 3-May 2	912	168	
Smyrna	Jan. 1-May 12		64	
Turkey in Europe:				
Constantinople	Dec. 2-May 17		80	
Kavak	Dec. 26 .....		.....	Present.
Venezuela:				
Caracas	Dec. 9-May 7	68	.....	To Jan. 3, 3,000 cases, estimated.
La Guaira	Nov. 10-Jan. 4	25	.....	Estimated.
Maracaibo	Feb. 18 .....		.....	Present, and in Zulia (Falcon) and surrounding States.
Zanzibar	Feb. 7-Mar. 14		2	

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.						
Manzanillo	May 30	1,700	2																	
Matamoros	do	8,000	7																	
Mayaguez	do	35,700	27	5																1
Mazatlan	May 16	22,000	15																	
Do	May 23	22,000	20																	
Messina	May 16	107,000	30	1															1	
Monrovia	May 2	7,000	3																	
Do	May 9	7,000	6																	
Do	May 16	7,000	8																	
Monterey	May 31	100,000	82	4																
Moscow	May 16	1,385,104	775	90				11	2	3		14	4					13		2
Munich	do	556,000	208	34															5	
Nantes	May 24	183,247	47	13																
Naples	May 23	593,729	188	10																
Newchwang	May 2	60,000	10																	
Do	May 9	60,000	11																	
Nottingham	May 16	255,000	68																	2
Nuevo Laredo	May 30	8,000	5	1																
Nuremberg	May 9	311,650	122	21															2	
Paris	May 23	2,776,394	918	214							1	6	5		14	6			2	2
Plymouth	do	116,000	30																	1
Port Elizabeth	May 9	32,959	12	4																
Prague	May 23	223,645	147	30																
Pretoria	Apr. 25	36,839	5																	2
Rangoon	May 2	252,155	224	6	37	7														
Rio de Janeiro	May 10	623,675	303	43				50		1									1	1
St. John, N. B.	June 6	40,789	7	2																
San Felix de Guixols	May 30	11,094	9	2																
Santa Cruz de Teneriffe	May 23	46,000	14	11																1
Santiago de Cuba	May 30	45,497	23	4																
Singapore	May 2	258,324	264	32	1					3										
Smyrna	Apr. 14	400,000	83	8															3	
Do	Apr. 21	400,000	65	15															5	
Do	Apr. 28	400,000	92	15						4									2	
Do	May 5	400,000	107	26						2									1	
Do	May 12	400,000	110	17						5										
Stettin	May 23	255,000	85										2							
Tegucigalpa	May 27	24,000	5																	
Turin	May 17	373,701	131	17															3	4
Tuxpam	May 26	14,000	9																	
Do	June 2	14,000	7	1																
Valencia	May 24	250,000	88	8																
Veracruz	May 30	32,000	39	10																
Vevey	May 16	14,000	2																	
Victoria, B. C.	May 30	27,500	4	1																
Vigo	May 23	36,000	12	4																
Zurich	do	176,532	44	13																

By authority of the Secretary of the Treasury:

WALTER WYMAN,

Surgeon-General,

United States Public Health and Marine-Hospital Service.