

PUBLIC HEALTH REPORTS.

REPORT ON THE TWELFTH INTERNATIONAL CONGRESS ON ALCOHOLISM, AND THE SIXTEENTH INTERNATIONAL MEDICAL CONGRESS.

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In accordance with bureau letter of July 3, 1909, detailing me to attend the Twelfth International Congress on Alcoholism to be held in London, July 18-24, 1909, and the Sixteenth International Medical Congress to be held in Budapest, Hungary, August 29 to September 4, 1909, I have the honor to make the following report:

TWELFTH INTERNATIONAL CONGRESS ON ALCOHOLISM.

I arrived in London July 18, the day on which the congress was officially opened. The sessions of July 19 were devoted to general meetings, the opening of the exhibitions, and registration. On the succeeding days there were both general meetings and special scientific sessions continuing throughout the day and usually also the evening. A great variety of subjects was discussed at these meetings. Thus in the scientific sessions the effect of alcohol upon immunity, heredity, muscular and mental energy, its relation to tuberculosis, insanity and nervous diseases, and its use in the treatment of pneumonia and enteric fever were discussed in a conservative and scientific manner. The consensus of opinion of the speakers seemed to be that alcohol, in any form, is but seldom of distinct value in the treatment of disease and some evidence was brought forward to show that alcohol even in moderate amounts has an unfavorable effect upon offspring and has a tendency to lower resistance to infection. The dangers of alcohol to those with any tendency to nervous or mental diseases was especially emphasized by Dr. F. W. Mott, and the effects upon children by Professor Clouston. The statements frequently made that alcohol is, per se, a predisposing factor to tuberculosis received some but not marked support from an elaborate statistical study by Henschen of Sweden. The statement that alcohol in very moderate amounts has a markedly injurious action upon certain mental processes was not confirmed in a series of very careful experiments by Professor Rivers of Cambridge.

Figures were shown illustrating how marked has been the decrease of the use of alcohol in the hospitals of various countries. In connection with the discussion of the medicinal use of alcohol I presented a paper prepared by Mr. Wilbert on the alcoholic beverages in the different pharmacopœias and on the use of wine in the preparation of drugs. I called attention to the fact that only the United

States and Greek pharmacopœias include whisky and suggested that its recognition by these pharmacopœias gave it an undue prominence as a medicinal agent; also that wine is very undesirable as a pharmaceutical agent, and that the preparations made with it should be discarded from the pharmacopœia. The paper was well received by the medical members of the congress.

A very great variety of subjects was discussed at the general meetings. Among the speakers were a number of members of Parliament, prominent lawyers (including the lord chief justice), railway officials, officers of the navy and army (including the surgeon-general), teachers, clergymen, and others. Much attention was given to temperance teaching in the public schools, the relation of temperance to life insurance, the treatment of the inebriate, and the economic and legal aspects of the alcohol problem. One of the most important of the general meetings was devoted to "Alcohol and the efficiency of the national services," at which representatives of the naval, military, postal, railway, and legal professions spoke. The extraordinary growth of total abstinence in the British army and navy was especially emphasized; 40 per cent of the army in India are total abstainers. This growth of total abstinence in the army was attributed by the surgeon-general to a very considerable degree to the improvements that have been made in the surroundings of the soldier, such as improved housing and food. One speaker pointed out the need of giving much more attention to the physical welfare of the sailors of the merchant marine. The unhygienic conditions under which many of them live were held to be the chief cause of their intemperance and the deterioration caused by these two factors (intemperance and lack of hygiene) was called a national danger.

An extensive exhibition was held in connection with the congress. This consisted largely of charts, books, etc., used in the temperance instruction in schools of different countries. An important feature of the exhibit was a series of posters prepared by the boards of health of various cities of England on the relation between alcoholism and disease. These posters consisted largely of brief quotations from the parliamentary commission on physical deterioration and are displayed in railway and other public places.

There were about 1,400 members of the congress and practically all of the civilized countries were officially represented. The congress was held under the auspices of the British Government, which had representatives from each of the leading departments. The congress adjourned to meet at The Hague in 1911.

En route from London to Budapest I visited the offices of the ministry of agriculture of Belgium, under the auspices of which the articles of agreement concerning the unification of potent medicaments in different pharmacopœias were prepared; these articles were signed by the leading countries. This work of bringing about greater uniformity in the different pharmacopœias is being continued by the establishment of an international commission (secretariat), which is to be a means of communication between the committees engaged in pharmacopœial revision. Eight of the leading countries have already agreed to contribute to the support of this commission. The United States Government, not controlling the United States Pharmacopœia, has not agreed to contribute, but I was informed that the United States Pharmacopœial Convention would be entitled

to full participation if it would assist and that it would be formally invited to do so. It is believed that the organization of the commission will be completed within a few months and that there will be a meeting of the members at Brussels next year in connection with the decennial international congress on pharmacy.

SIXTEENTH INTERNATIONAL MEDICAL CONGRESS.

I arrived at Budapest August 27, and August 28 attended the meeting of the committee of the international union for the protection of child life.

The Sixteenth International Medical Congress was formally opened August 29, when addresses of welcome and responses from delegates of various governments were delivered. There were no other general meetings except the concluding one and 5 lectures of general interest.

The work of the congress was done in 21 sections. I registered in the section of pharmacology and therapeutics, which had 9 meetings. Nearly a hundred papers, all strictly technical, were read before this section. I presented two papers: One prepared with Doctor Seidell on pharmacopœial preparations of the thyroid gland, and one with Mr. Taveau on the pharmacological action of a number of choline derivatives.

A discussion of special interest to the division of pharmacology was one on the new Hungarian Pharmacopœia, the first copy of which was shown at the meeting. There were also interesting discussions on the claims made for certain proprietary medicines. The papers presented covered nearly every phase of pharmacology and therapeutics and in nearly every case were based upon the experiments or observations of the readers; among the latter were many of the leading authorities on their subjects in the world.

The congress adjourned September 4; the next meeting will be in London.

PELLAGRA AS OBSERVED AT THE SOUTH ATLANTIC AND CAPE FEAR QUARANTINE STATIONS.

Assistant Surgeon Bryan reports, October 1:

While stationed at South Atlantic quarantine a case of pellagra, in a pilot 60 years of age, came under my observation. The disease was in its first year and the clinical symptoms were well marked, but the patient was under observation too short a time for any treatment to be instituted. Inquiry of the neighboring physicians elicited the fact that the disease was unknown to them.

Since arriving at this station (Cape Fear quarantine) I have had one case of pellagra under observation in a married woman of about 30 years of age. All symptoms, including the mental ones, are well marked. Inquiry of local physicians and health officers revealed the fact that 5 cases have been seen in this county (Brunswick County, N. C.) in the past year. One case in the later stages of the disease died.

UNITED STATES.

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

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

Surgeon Blue reports.

SAN FRANCISCO, CAL.

Last case of human plague: Sickened, January 30, 1908.

Last case of rodent plague: October 23, 1908.

Week ended September 18, 1909.

Sick inspected.....	3
Plague.....	0
Dead inspected.....	120
Plague.....	0
Premises inspected.....	2,281
Houses disinfected.....	21
Houses destroyed.....	1
Buildings condemned.....	10
Nuisances abated.....	187
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Rats found dead.....	11
Rats trapped.....	2,002
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Total rats taken.....	2,013
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Rats identified:	
Mus norvegicus.....	1,503
Mus rattus.....	55
Mus musculus.....	430
Mus alexandrinus.....	16
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Total.....	2,004
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Rats identified as to sex:	
Male.....	735
Female.....	947
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Total.....	1,682
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Rats examined bacteriologically.....	1,106
Plague rats.....	0
Poisons placed.....	15,965
Total number of rats infected to date.....	398

OAKLAND, CAL.

Last case of human plague: Sickened, July 17, 1908.

Last case of rodent plague: Trapped, December 1, 1908.

Week ended September 18, 1909.

Dead inspected.....	40
Plague.....	0
Necropsies held.....	7
Rats found dead.....	30
Rats trapped.....	518
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Rats identified:	
<i>Mus norvegicus</i>	503
<i>Mus musculus</i>	45
Total.....	548
Rats examined bacteriologically.....	548
Plague rats.....	0

POINT RICHMOND, CAL.

Week ended September 18.

Sick inspected.....	1
Plague.....	0
Dead inspected.....	3
Plague.....	0

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

CALIFORNIA—*City and county of San Francisco*.—Month of July, 1909. Estimated population, 475,000. Total number of deaths, 462, corresponding to an annual death rate of 9.74 per 1,000 of population, including enteric fever 5, whooping cough 5, scarlet fever 1, diphtheria 3, and 54 from tuberculosis. Cases: Diphtheria 20, scarlet fever 23, measles 14, whooping cough 27, enteric fever 35, and tuberculosis 108.

COLORADO.—Three months ended June 30, 1909. Estimated population, 640,861. Total number of deaths, 2,674, including diphtheria 39, enteric fever 25, measles 18, scarlet fever 62, whooping cough 61, tuberculosis 494. Cases: Diphtheria 298, enteric fever 645, scarlet fever 95, smallpox 124.

CONNECTICUT—*Bridgeport*.—Month of August, 1909. Estimated population, 100,000. Total number of deaths, 129, including diphtheria 1, enteric fever 1, scarlet fever 2, and 13 from tuberculosis. Cases: Diphtheria 13, enteric fever 3, scarlet fever 11, and tuberculosis 19.

ILLINOIS—*Peoria*.—Month of August, 1909. Estimated population, 85,000. Total number of deaths, 96, including enteric fever 3, whooping cough 1, and 6 from tuberculosis. Cases: Diphtheria 8, scarlet fever 2, smallpox 9.

MARYLAND.—Month of June, 1909. Total number of deaths, 876, including tuberculosis 104, enteric fever 11, measles 7, whooping cough 12, and 3 from diphtheria. Cases: Enteric fever 62, scarlet fever 22, diphtheria 20, whooping cough 22, measles 196.

Month of July, 1909. Total number of deaths, 920, including tuberculosis 118, enteric fever 30, measles 2, diphtheria 3, whooping cough 10. Cases: Enteric fever 358, scarlet fever 23, diphtheria 22, whooping cough 31, measles 128.

MASSACHUSETTS.—Reports from the state board of health for the month of July, 1909. Fifty-three cities and towns reporting, having an aggregate estimated population of 2,379,468, report 3,297 deaths, including diphtheria 27, enteric fever 18, measles 17, and 257 from phthisis pulmonalis. Cases: Diphtheria 426, enteric fever 157, measles 1,089, scarlet fever 348, whooping cough 106, smallpox 1, and phthisis pulmonalis 706.

MISSOURI—*Springfield*.—Month of August, 1909. Estimated population, 35,000. Total number of deaths, 30, including enteric fever 9 and 2 from tuberculosis. Cases: Diphtheria 1, enteric fever 25, scarlet fever 1.

NEBRASKA—*Lincoln*.—Month of August, 1909. Estimated population, 65,000. Total number of deaths, 41, including enteric fever 1 and 2 from phthisis pulmonalis. Cases: Diphtheria 2.

NORTH CAROLINA—*Charlotte*.—Month of August, 1909. Estimated population, 45,455. Total number of deaths, 43, including enteric fever 1 and 6 from tuberculosis. Cases: Enteric fever 18.

NORTH DAKOTA.—Month of July, 1909. Estimated population, 319,146. Deaths, from contagious diseases, 176, including diphtheria 2, scarlet fever 1, and 1 from tuberculosis. Cases: Diphtheria 38, enteric fever 11, measles 3, scarlet fever 40, whooping cough 6, smallpox 27, tuberculosis 16.

OHIO—*Cleveland*.—Month of August, 1907. Estimated population, 515,000. Total number of deaths, 637, including diphtheria 4, enteric fever 3, measles 3, scarlet fever 2, and 66 from tuberculosis.

TEXAS.—Month of July, 1909. Estimated population, 3,048,710. Total number of deaths, 1,363, including diphtheria 2, enteric fever 89, whooping cough 24, and 109 from tuberculosis. Cases: Diphtheria 13, enteric fever 219, scarlet fever 6, smallpox 92.

Fort Worth.—Month of August, 1909. Estimated population, 60,000. Total number of deaths, 96. No deaths from contagious diseases. Cases: Diphtheria 3, enteric fever 9.

San Antonio.—Month of July, 1909. Estimated population, 100,000. Total number of deaths, 193, including enteric fever 12, whooping cough 2, and 28 from tuberculosis. Cases: Diphtheria 3, enteric fever 37, measles 1, scarlet fever 2, smallpox 2.

Month of August, 1909. Total number of deaths, 156, including enteric fever 1, and 20 from tuberculosis. Cases: Diphtheria 4, enteric fever 42, measles 1.

UTAH.—Month of August, 1909. Reports to the state board of health from 27 counties, having an estimated population of 346,873, show as follows: Total number of deaths, 300, including diphtheria 2, whooping cough 7, scarlet fever 3, enteric fever 2, and 3 from tuberculosis. Cases: Diphtheria 37, enteric fever 108, measles 16, scarlet

fever 57, smallpox 101, whooping cough 191, and tuberculosis 16 (incomplete).

Salt Lake City.—Month of August, 1909. Estimated population, 85,000. Total number of deaths, 114, corresponding to a death rate of 17.10, including enteric fever 2, scarlet fever 1, whooping cough 1, and 3 from tuberculosis. Cases: Diphtheria 5, enteric fever 12, measles 1, scarlet fever 17, whooping cough 2, smallpox 17, and tuberculosis 2.

WASHINGTON—*Seattle.*—Month of July, 1909. Estimated population, 276,000. Total number of deaths, 184, including diphtheria 1, enteric fever 6, scarlet fever 3, and 20 from tuberculosis. Cases: Diphtheria 38, enteric fever 48, measles 53, scarlet fever 53, smallpox 2, tuberculosis 16.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, June 26 to October 8, 1909.

(For reports received from December 25, 1908, to June 25, 1909, see PUBLIC HEALTH REPORTS for June 25, 1909.)

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

Place.	Date.	Cases.	Deaths.	Remarks.
California:				
Berkeley.....	July 25-31.....	1	.....
Hobart Mills.....	Apr. 1-30.....	1	.....
Sacramento.....	June 6-12.....	1	.....
San Francisco.....	June 6-July 3.....	2	.....
Truckee.....	Mar. 23.....	3	.....
Total for State.....		8		
Colorado:				
Adams County.....	Apr. 1-June 30.....	5	.....
Boulder County.....	Apr. 1-June 30.....	8	.....
Clear Creek County.....	Apr. 1-June 30.....	1	.....
Denver County—				
Denver.....	Apr. 1-June 30.....	10	.....
El Paso County.....	Apr. 1-June 30.....	3	.....
Fremont County.....	Apr. 1-June 30.....	13	.....
Grand County.....	Apr. 1-June 30.....	1	.....
Huerfano County.....	Apr. 1-June 30.....	24	.....
Larimer County.....	Apr. 1-June 30.....	4	.....
Las Animas County.....	Apr. 1-June 30.....	1	.....
Mesa County.....	Apr. 1-June 30.....	20	.....
Montrose County.....	Apr. 1-June 30.....	2	.....
Morgan County.....	Apr. 1-June 30.....	17	.....
Otero County.....	Apr. 1-June 30.....	1	.....
Pueblo County.....	Apr. 1-June 30.....	8	.....
Rio Grande County.....	Apr. 1-June 30.....	1	.....
San Miguel County.....	Apr. 1-June 30.....	4	.....
Weld County.....	Apr. 1-June 30.....	1	.....
Total for State.....		124		
Connecticut:				
New Haven.....	May 1-31.....	1	.....
Total for State.....		1		
District of Columbia:				
Washington.....	Aug. 8-Sept. 25.....	3	.....
Total for District.....		3		
Georgia:				
Macon.....	June 14-Sept. 21.....	9	.....
Total for State.....		9		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Illinois:				
Alexander County—				
Cairo	May 1-June 30	25		
Bureau County	Aug. 1-31	1		
Champaign County	Apr. 1-May 31	25		
Christian County	Apr. 1-May 31	35		
Clay County	Apr. 1-30	1		
Clinton County	Apr. 1-June 30	7		
Cook County—				
Chicago	June 20-Aug. 21	5		
Dewitt County	May 1-31	7		
Edwards County	Apr. 1-May 31	3		
Fifflingham County	Apr. 1-30	2		
Fayette County	May 1-31	2		
Franklin County	Apr. 1-May 31	2		
Fulton County	Apr. 1-June 30			Present.
Gallatin County	Apr. 1-May 31	16		
Iroquois County	May 1-31	1		
Jackson County	Apr. 1-May 31	14		
Murphysboro	Apr. 1-May 31	40		
Knox County	Apr. 1-30	8		
Lake County	Apr. 1-July 31	14		
LaSalle County	Apr. 1-30	3		
McDonough County	Apr. 1-30	25		
McHenry County—				
Marengo	May 1-June 30	97		
Macoupin County	Apr. 1-May 31	6		
McLean County	June 1-30	1		
Madison County	May 1-June 30	2		
Marion County	Apr. 1-June 30	14		
Menard County	Aug. 1-31	5		
Massac County—				
Metropolis	Apr. 1-May 31	29		
Montgomery County	May 1-June 30	2		
Peoria County	Apr. 1-June 30	13		
Peoria	June 1-Aug. 31	46		
Perry County	Apr. 1-Aug. 31	18		
Pulaski County	May 1-31	5		
Rock Island County—				
Moline	June 1-July 31	2		
St. Clair County—				
East St. Louis	May 1-June 30	11		
Saline County	May 1-31	30		
Sangamon County	Apr. 1-30	1		
Springfield	May 29-July 9	3		
Schuyler County	May 1-31	1		
Shelby County	Apr. 1-July 31	3		
Stephenson County	May 1-31	4		
Tazewell County	May 1-31	5		
Pekin	Apr. 1-Aug. 31	78		
Union County	Apr. 1-May 31	5		
Vermilion County	Apr. 1-May 31	2		
Danville	June 14-Sept. 25	13		
Warren County	June 1-July 31	3		
Will County—				
Joliet	July 1-31	1		
Williamson County	Apr. 1-Aug. 31	17		
Winnebago County	June 1-30	1		
Woodford County	Apr. 1-July 31	25		
Total for State		679		
Indiana:				
Allen County	May 1-31	5		
Fort Wayne	June 6-Sept. 11	88		
Carroll County	June 1-30	1		
Clay County	June 1-30	4		
Dearborn County	May 1-31	4		
DeKalb County	June 1-30	1		
Delaware County	May 1-31	1		
Muncie	June 20-July 10	4		
Fayette County	June 1-30	1		
Fountain County	July 1-31	1	1	
Gibson County	May 1-31	5		
Grant County	May 1-July 31	4		
Greene County	June 1-July 31	4	1	
Marion County—				
Indianapolis	June 14-20	1		
Montgomery County	May 1-June 30	9		
Parke County	May 1-31	1		
Pulaski County	May 1-31	2		
St. Joseph County	June 1-30	4		
South Bend	June 13-Aug. 14	5		
Tipton County	July 1-31	1		
Vanderburg County	May 1-June 30	26		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Vermillion County.....	May 1-July 31.....	43		
Vigo County.....	June 1-30.....	4		
Wayne County.....	May 1-July 31.....	15	1	
White County.....	May 1-31.....	2		
Total for State.....		236	3	
Iowa:				
Cedar Rapids.....	July 1-Aug. 31.....	2		
Keokuk.....	May 1-31.....	3		
Ottumwa.....	June 1-30.....	1		
Total for State.....		6		
Kansas:				
Allen County.....	May 1-31.....	5		
Atchison County.....	June 1-30.....	7		
Brown County.....	June 1-30.....	1		
Chautauqua County.....	May 1-31.....	3		
Cherokee County.....	May 1-31.....	1		
Coffey County.....	May 1-31.....	1		
Comanche County.....	June 1-30.....	3		
Cowley County.....	May 1-31.....	14		
Crawford County.....	May 1-31.....	20		
Pittsburg.....	May 1-June 30.....	4		
Decatur County.....	June 1-30.....	12	1	
Dickinson County.....	May 1-June 30.....	1		
Doniphan County.....	May 1-June 30.....	20		
Douglas County.....	May 1-31.....	1		
Elk County.....	May 1-31.....	1		
Ellsworth County.....	June 1-30.....	1		
Franklin County.....	May 1-31.....	5		
Geary County.....	May 1-31.....	4		
Graham County.....	June 1-30.....	6		
Greenwood County.....	May 1-31.....	3		
Jackson County.....	May 1-June 30.....	24		
Jefferson County.....	May 1-31.....	2		
Jewell County.....	May 1-31.....	6		
Kearny County.....	May 1-31.....	1		
Labette County—				
Parsons.....	May 1-June 30.....	8		
Lyon County.....	May 1-31.....	27		
Marshall County.....	May 1-June 30.....	225		
Montgomery County.....	May 1-June 30.....	3		
Nemaha County.....	June 1-30.....	1		
Osage County.....	May 1-June 30.....	32		
Osborne County.....	May 1-June 30.....	11		
Ottawa County.....	May 1-31.....	3		
Phillips County.....	May 1-31.....	1		
Pottawatomie County.....	May 1-June 30.....	7		
Frat County.....	May 1-31.....	5		
Rawlins County.....	May 1-31.....	13		
Republic County.....	June 1-30.....	1		
Riley County.....	May 1-June 30.....	8		
Rush County.....	June 1-30.....	2		
Russell County.....	June 1-30.....	1		
Saline County.....	May 1-31.....	2		
Sedgwick County.....	May 1-31.....	11		
Wichita.....	July 11-Aug. 7.....	5		
Shawnee County.....	May 1-31.....	8		
Topeka.....	May 1-June 30.....	38		
Smith County.....	May 1-31.....	11		
Sumner County.....	May 1-31.....	3		
Thomas County.....	May 1-31.....	1		
Wabaunsee County.....	May 1-31.....	6		
Wyandotte County.....	May 1-31.....	4		
Kansas City.....	June 13-July 17.....	10		
Total for State.....		593	1	
Kentucky:				
Covington.....	June 13-July 3.....	5		
Lexington.....	June 20-Aug. 21.....	16		
Newport.....	June 14-July 25.....	4		
Paducah.....	June 13-26.....	3		
Total for State.....		28		
Louisiana:				
New Orleans.....	June 13-Sept. 4.....	13		
Total for State.....		13		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Maryland, general.....	Mar. 1-Apr. 30....	9		
Total for State.....		9		
Massachusetts:				
Boston.....	Sept. 12-18.....	1		
Lawrence.....	June 27-July 3....	1		
Total for State.....		2		
Michigan:				
Bay County—				
Bay City.....	June 1-30.....	1		
Calhoun County.....	June 1-30.....	1		
Chippewa County.....	May 1-31.....	1		
Delta County.....	June 1-30.....	1		
Eaton County.....	May 1-June 30....	21		
Emmet County.....	June 1-30.....	1		
Houghton County.....	May 1-31.....	1		
Huron County.....	June 1-30.....	1		
Ingham County.....	May 1-31.....	1		
Jackson County.....	May 1-31.....	1		
Kalamazoo County—				
Kalamazoo.....	July 4-24.....	2		
Kent County—				
Grand Rapids.....	June 6-26.....	2		
Lapeer County.....	June 1-30.....	1		
Marquette County.....	May 1-June 30....	6		
Muskegon County.....	May 1-June 30....	6		
Newaygo County.....	June 1-30.....	1		
Oceana County.....	May 1-31.....	1		
Ottawa County.....	May 1-June 30....	7		
Saginaw County.....	May 1-June 30....	17		
Saginaw.....	July 25-31.....	1		
St. Clair County.....	May 1-June 30....	4		
Schoolcraft County—				
Manistique.....	June 1-30.....	27		
Tuscola County.....	May 1-31.....	4		
Wayne County—				
Detroit.....	May 1-31.....	1		
Total for State.....		110		
Minnesota, general.....	Mar. 1-Apr. 30....		3	
Becker County.....	June 15-21.....	5		
Bigstone County.....	June 8-14.....	1		
Carver County.....	July 6-Aug. 16....	6		
Clay County.....	July 28-Aug. 2....	1		
Cottonwood County.....	July 1-31.....	1		
Crawford County.....	Aug. 10-16.....	1		
Faribault County.....	June 7-14.....	2		
Hennepin County—				
Minneapolis.....	May 1-June 30....	39		
Hubbard County.....	May 25-31.....	1		
Itasca County.....	May 25-June 14....	7		
Lesueur County.....	June 1-7.....	1		
McLeod County.....	May 25-July 19....	2		
Marshall County.....	June 8-July 5....	6		
Meeker County.....	May 25-31.....	5		
Morrison County.....	June 21-Aug. 16....	2		
Nobles County.....	May 25-June 21....	2		
Olmsted County.....	June 8-14.....	2		
Pine County.....	May 25-31.....	1		
Ramsey County—				
St. Paul.....	Apr. 1-May 31.....	10		
Redwood County.....	June 1-7.....	1		
Rock County.....	June 1-7.....	1		
St. Louis County.....	May 25-June 21....	3		
Duluth.....	June 10-Aug. 27....	20		
Sibley County.....	June 22-July 19....	4		
Stearns County—				
St. Cloud.....	July 13-19.....	1		
Steele County.....	May 25-June 21....	3		
Swift County.....	July 20-26.....	1		
Wabasha County.....	May 25-31.....	2		
Wadena County.....	May 25-July 19....	11		
Waseca County.....	May 25-31.....	8		
Wright County.....	June 15-Aug. 16....	10		
Total for State.....		160	3	

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Missouri:				
Kansas City.....	June 13-26.....	2		
St. Joseph.....	May 30-July 24.....	19		
St. Louis.....	June 20-Sept. 18....	8		
Total for State.....		29		
Montana:				
Carbon County.....	June 1-July 31.....	6		
Caseade County—				
Great Falls.....	June 1-30.....	1		
Chouteau County.....	June 1-30.....	1		
Custer County.....	June 1-30.....	1		
Dawson County.....	May 1-31.....	5		
Deerlodge County.....	May 1-31.....	1		
Fergus County.....	June 1-30.....	1		
Flathead County.....	May 1-31.....	4		
Gallatin County.....	May 1-31.....	4		
Jefferson County.....	May 1-31.....	2		
Lewis and Clark County—				
Helena.....	May 1-31.....	1		
Missoula County—				
Missoula.....	June 1-July 31.....	4		
Park County.....	May 1-June 30.....	21		
Livingston.....	May 1-July 31.....	12		
Sanders County.....	May 1-31.....	1		
Silverbow County.....	June 1-July 31.....	16		
Butte.....	June 11-Aug. 26.....	34		
Teton County.....	May 1-31.....	1		
Valley County.....	May 1-31.....	1		
Yellowstone County.....	May 1-July 31.....	7		
Total for State.....		124		
Nebraska:				
Lincoln.....	May 1-July 31.....	34		
Total for State.....		34		
New York, general.....				
	May 1-June 30.....	433		
Total for State.....		433		
North Carolina:				
Beaufort County.....	June 1-30.....	1		
Bladen County.....	Apr. 1-30.....	5		
Buncombe County.....	Apr. 1-30.....	1		
Caldwell County.....	Apr. 1-June 30.....	19		
Camden County.....	Apr. 1-June 30.....	70		
Carteret County.....	Apr. 1-30.....	1		
Craven County.....	Apr. 1-June 30.....	8		
Cumberland County.....	May 1-31.....	1		
Duplin County.....	Apr. 1-June 30.....	25		
Harnett County.....	June 1-July 31.....	7		
Johnston County.....	Apr. 1-July 31.....	3		
Lee County.....	Apr. 1-30.....	6		
Lenoir County.....	July 1-30.....	2		
Madison County.....	May 1-June 30.....	7		
Mecklenburg County.....	May 1-31.....	2		
Mitchell County.....	July 1-31.....	8		Apr. 1-30 present.
Montgomery County.....	July 1-31.....	10		
Nash County.....	June 1-30.....	1		
Onslow County.....	Apr. 1-30.....	2		
Pamlico County.....	May 1-31.....	4		
Pasquotank County.....	Apr. 1-May 31.....	15		
Pitt County.....	Apr. 1-June 30.....	17		
Robeson County.....	June 1-July 31.....	14		
Rowan County.....	May 1-July 31.....	17		
Sampson County.....	Apr. 1-June 30.....	51		In extreme northern part.
Transylvania County.....	May 1-31.....	5		
Wake County.....	Apr. 1-30.....	2		
Watauga County.....	June 1-July 31.....	30		
Wayne County.....	May 1-31.....	14		
Wilson County.....	Apr. 1-30.....	1		
Yancey County.....	Apr. 1-May 31.....	8		
Total for State.....		357		
North Dakota:				
Bottineau County.....	May 1-July 31.....	2		
Cass County.....	July 1-31.....	2		
Emmons County.....	July 1-31.....	3		
Grand Forks County.....	May 1-July 31.....	13		
Lamoure County.....	May 1-June 30.....	3		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
North Dakota—Continued.				
McHenry County.....	May 1-31.....	1		
Stutsman County.....	June 1-July 31.....	15		
Walsh County.....	June 1-30.....	2		
Ward County.....	May 1-July 31.....	11		
Total for State.....		52		
Ohio:				
Cincinnati.....	June 12-July 2.....	4		
Columbus.....	Sept. 12-18.....	1		
Dayton.....	July 18-Sept. 11.....	15	1	
Toledo.....	July 25-Aug. 7.....	2		
Total for State.....		22	1	
Oklahoma:				
Oklahoma.....	Apr. 3-Aug. 21.....	51	1	
Total for State.....		51	1	
Oregon:				
Clackamas County.....	May 1-June 30.....	3		
Coos County.....	June 1-30.....	1		
Marion County.....	May 1-June 30.....	11		
Multnomah County.....	May 1-June 30.....	3		
Portland.....	Apr. 1-July 31.....	33		
Umatilla County.....	June 1-30.....	2		
Union County.....	June 1-30.....	1		
Washington County.....	May 1-June 30.....	14		
Yamhill County.....	June 1-30.....	3		
Total for State.....		71		
Pennsylvania:				
Philadelphia.....	July 10-24.....	4		
Total for State.....		4		
Tennessee:				
Knoxville.....	June 20-Aug. 21.....	7		
Total for State.....		7		
Texas:				
Archer County.....	June 1-30.....	1		
Baylor County.....	June 1-30.....	22		
Bee County.....	June 1-30.....	6		
Bexar County.....	June 1-July 31.....	1	1	
San Antonio.....	June 13-July 31.....	10		
Bowie County.....	June 1-30.....	7		
Cameron County.....	June 1-30.....	1		
Cherokee County.....	June 1-30.....	1		
Childress County.....	June 1-30.....	4		
Ellis County.....	May 1-June 30.....	2		
Galveston County.....	June 1-30.....	1		
Galveston.....	June 19-25.....	1		
Gonzales County.....	May 1-June 30.....	6	2	
Grayson County.....	June 1-30.....	9		
Harris County.....	June 1-30.....	12		
Houston.....	Mar. 28-June 19.....	17		
Harrison County.....	June 1-July 31.....	16		
Hays County.....	July 1-31.....	8		
Henderson County.....	June 1-July 31.....	30		
Jefferson County.....	May 1-June 30.....	3		
Jones County.....	June 1-30.....	2		
Kinney County.....	June 1-30.....	1	1	
Lamar County.....	June 1-July 31.....	23		
Matagorda County.....	May 1-June 30.....	10		
McLennan County.....	June 1-30.....	19		
Milam County.....	June 1-30.....	5		
Runnels County.....	May 1-July 31.....	26		
San Saba County.....	Apr. 9-June 30.....	11		
Smith County.....	June 1-30.....	10		
Stephens County.....	June 1-30.....	33	1	
Tarrant County.....	May 1-June 30.....	19	3	
Fort Worth.....	June 1-July 31.....	5		
Travis County.....	May 1-June 30.....	19		
Upshur County.....	May 1-July 31.....	42		
Van Zandt County.....	May 1-June 30.....	6		
Webb County.....				
Laredo.....	June 19.....	1		
Wharton County.....	June 1-30.....	2		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Texas—Continued.				
Wichita County.....	June 1-30.....	5		
Williamson County.....	June 1-July 31....	9	1	
Total for State.....		406	9	
Utah:				
Boxelder County.....	May 1-31.....	3		
Cache County.....	June 1-July 31....	4		
Carbon County.....	June 1-July 31....	3		
Davis County.....	May 1-July 31....	30		
Emery County.....	June 1-July 31....	4		
Garfield County.....	May 1-Aug. 31....	20		
Juab County.....	Aug. 1-31.....	9		
Salt Lake County.....	May 1-Aug. 31....	61	1	
Salt Lake City.....	June 1-30.....	99		
Sanpete County.....	May 1-July 31....	29		
Summit County.....	May 1-Aug. 31....	78		
Tooele County.....	May 1-31.....	5		
Uintah County.....	May 1-Aug. 31....	47		
Utah County.....	May 1-Aug. 31....	26		
Wasatch County.....	Aug. 1-31.....	2		
Weber County.....	May 1-Aug. 31....	6		
Total for State.....		426	1	
Virginia:				
Lynchburg.....	June 20-26.....	1		
Total for State.....		1		
Washington:				
Seattle.....	July 1-31.....	2		
Spokane.....	June 6-July 3....	7		
Tacoma.....	May 14-June 27....	6		
Total for State.....		15		
Wisconsin:				
Ashland County.....	Jan. 1-Mar. 31....	8		
Barron County.....	Jan. 1-June 30....	93		
Brown County.....	Apr. 1-June 30....	18		
Buffalo County.....	Jan. 1-Mar. 31....	5		
Burnett County.....	Jan. 1-Mar. 31....	11		
Calumet County.....	Jan. 1-June 30....	2		
Chippewa County.....	Jan. 1-June 30....	97	1	
Clark County.....	Jan. 1-June 30....	20		
Columbia County.....	Jan. 1-Mar. 31....	1		
Dane County.....	Apr. 1-June 30....	6		
Douglas County.....	Jan. 1-June 30....	11		
Dunn County.....	Jan. 1-June 30....	39	2	
Fond du Lac County.....	Jan. 1-June 30....	3		
Jackson County.....	Jan. 1-Mar. 31....	1		
Juneau County.....	Jan. 1-June 30....	42		
La Crosse County.....	Apr. 1-June 30....	10		
La Crosse.....	June 13-July 10....	2		
Manitowoc County.....	Jan. 1-June 30....	41		
Marathon County.....	Jan. 1-June 30....	2		
Milwaukee County.....	Apr. 1-June 30....	24		
Milwaukee.....	June 21-27.....	2		
Oconto County.....	Jan. 1-June 30....	25	1	
Oneida County.....	Apr. 1-June 30....	1		
Outagamie County—				
Appleton.....	June 20-July 31....	22		
Ozaukee County.....	Jan. 1-Mar. 31....	13		
Pepin County.....	Jan. 1-Mar. 31....	2		
Pierce County.....	Jan. 1-Mar. 31....	4		
Polk County.....	Jan. 1-June 30....	19		
St. Croix County.....	Jan. 1-June 30....	65		
Sheboygan County.....	Jan. 1-June 30....	46		
Taylor County.....	Jan. 1-Mar. 31....	5		
Trempealeau County.....	Jan. 1-Mar. 31....	3		
Vernon County.....	Jan. 1-Mar. 31....	51		
Walworth County.....	Apr. 1-June 30....	1		
Washburn County.....	Jan. 1-June 30....	14		
Waukesha County.....	Jan. 1-Mar. 31....	5		
Waupaca County.....	Jan. 1-June 30....	27		
Waushara County.....	Jan. 1-Mar. 31....	1		
Winnebago County.....	Jan. 1-June 30....	17		
Wood County.....	Apr. 1-June 30....	2		
Total for State.....		761	4	
Grand total for the United States.....		4,774	23	

Plague in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, August 2-October 8, 1909.

Place.	Date.	Cases.	Deaths.	Remarks.
California: Alameda County— Sunol.....	Aug. 2-12..... Sept. 24.....	1 1	1	Case sickened July 27. In vicinity of Sunol.

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

[For smallpox and plague, see special tables.]

Cities.	Week ended—	Popula- tion, United States census, 1900.	Total deaths from all causes.	Tuber- culosis.		Enteric fever.		Scarlet fever.		Diph- theria.		Measles.		Whoop- ing cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa.	Sept. 25	38,973	14			5									
Ann Arbor, Mich.	Sept. 18	14,509	4												
Baltimore, Md.	Sept. 25	508,957	173	15	34	53	3	5		4	1	2		8	6
Bayonne, N. J.	do.	32,722		2	2			4		4	1				
Biddeford, Me.	do.	16,145	4					1	1						
Boston, Mass.	do.	560,892	205	50	18	34	3	18	1	33	3	10		1	
Braddock, Pa.	Sept. 18	15,654	13	1		1	1	12	5						
Bradford, Pa.	Sept. 25	15,029	1												
Camden, N. J.	Sept. 24	75,935	30	2	1	3	1	1	1	5					
Carbondale, Pa.	Sept. 25	13,533	2										1		
Charlotte, N. C.	Sept. 24	18,091	7	1	1	4	1			2			1		
Chelsea, Mass.	Sept. 25	34,072	6	1	1	2		2							
Chicago, Ill.	do.	1,698,575	600	59	62	46	5	79	4	89	6	24	3	44	3
Chicopee, Mass.	do.	19,167	1					2							
Cincinnati, Ohio	do.	325,902	110	16	14	7		7	1	9	2	1		2	1
Cleveland, Ohio.	Sept. 3	381,766		28	12	17		4		6		6		15	1
Do.	Sept. 10	381,766		31	19	28		7		16	3	2	1	7	
Do.	Sept. 17	381,766		15	9	31	5	8	1	9	4	6	2	9	1
Do.	Sept. 24	381,766		25	17	22	4	7		20	1	10		3	1
Clinton, Mass.	Sept. 25	13,667	1												
Columbus, Ga.	do.	17,614	4		1										
Columbus, Ohio.	do.	125,500	49	9	8	4		4		7	1				
Concord, N. H.	Sept. 18	19,632	13	1	1					3					
Covington, Ky.	Sept. 25	42,938	11	1	1	3				2					
Danville, Ill.	do.	16,520	8			5		1		1	1				
Detroit, Mich.	do.	285,704	121					32		19	2				
Dunkirk, N. Y.	do.	11,616	2			1									
Elkhart, Ind.	do.	15,184	1			2		1							
Elmira, N. Y.	do.	35,672	15			9	2	1							
El Paso, Tex.	Sept. 21	15,905	22	12	5	1	1			2					1
Erie, Pa.	Sept. 25	52,733	14	4	1	12		1		2					
Evansville, Ind.	do.	59,007	17	2	1	7		30		6	1				
Everett, Mass.	do.	24,336	6	2	2	3		1		3					
Fall River, Mass.	do.	104,863	38	5		9	2	3		1					
Findlay, Ohio.	do.	17,613	6			1	1			2					
Galesburg, Ill.	do.	18,607	7					4		1					
Galveston, Tex.	Sept. 24	37,789		1		7				1					
Gloucester, Mass.	Sept. 18	26,121	13												
Do.	Sept. 25	26,121	2												
Greensboro, N. C.	do.	10,035	6			1				4					
Harrison, N. J.	do.	10,596	5	1						2					
Hartford, Conn.	Sept. 19	79,850	31			3									
Haverhill, Mass.	Sept. 25	37,175	11	3	1	2		1		2		1		5	
Homestead, Pa.	Sept. 10	12,554	14	5						2					
Do.	Sept. 14	12,554	4			1		1		1				1	
Do.	Sept. 21	12,554	6	1	2			2		1					
Houston, Tex.	Sept. 18	44,633	26			1				1					
Hyde Park, Mass.	Sept. 25	13,244	4	2											
Jersey City, N. J.	Sept. 26	206,438	57	1	10	4	1	7		9	3	1			1
Johnstown, Pa.	Sept. 25	10,130	15			2		1		2					
Kalamazoo, Mich.	do.	24,404	14	1		2				1				2	
Kansas City, Kans.	do.	51,418	25			3	3	1		9					
Kansas City, Mo.	Sept. 18	163,752	59			4	5	3	8	1	5	1			
Do.	Sept. 25	163,752	44			8	2	5		9	3			1	
Kearny, N. J.	do.	10,896	3							4					
Knoxville, Tenn.	do.	32,637	16			3		2		3					
La Crosse, Wis.	do.	28,895	8			1		3		1					
Lancaster, Pa.	do.	41,459	16	6		3		1		1					
Lawrence, Mass.	Sept. 18	62,559	37	1	3	1		2		4		2			1
Lebanon, Pa.	Sept. 25	17,628	7			3	1								
Los Angeles, Cal.	Sept. 18	102,479	75	9	8	12	1	2		5		8		2	
Lowell, Mass.	Sept. 25	94,969	51	3		3		4		8	2				
Lynchburg, Va.	do.	18,891				1		1						2	

FOREIGN AND INSULAR.

AUSTRALIA.

Examination of rats at Sydney for plague infection.

The following information is taken from bulletins issued by the department of public health of New South Wales under dates of August 3 and 9:

Week ended July 31. Total number of rats destroyed 2,041, examined 412, found infected 0.

Week ended August 7. Number of rodents destroyed 2,009, examined 349, found infected 0.

Date of last plague case, May 29, 1909.

Date of last plague-infected rat found, June 15, 1909.

BARBADOS.

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

Acting Assistant Surgeon Urquhart reports, September 18:

Week ended September 18. Bills of health issued to 8 vessels, having a total of 433 members of crews and 116 passengers. Two vessels were fumigated. The sanitary condition of vessels, cargoes, crews, and passengers was good. The sanitary condition of the port remains good; no quarantinable disease was reported for the port or island during the week.

BRITISH HONDURAS.

Reports from Belize, fruit port.

Acting Assistant Surgeon Mengis reports:

Week ended September 23. Present officially estimated population, 10,000. 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.
Sept. 17	Belize.....	Mobile.....	18	2	3
17	Belvernon.....	New Orleans.....	23	0	1
21	Parismina.....	do.....	80	14	19
23	Commodore.....	New Orleans via Barrios ..	42	0	0

CHINA.

Reports from Amoy—Inspection of vessels—Cholera and plague—Quarantine against arrivals from Amoy at Indo-China ports removed.

Passed Assistant Surgeon Foster reports, August 25 and 31:

Week ended August 21. No bills of health issued. During the week there were 21 deaths from cholera and 58 deaths from plague in Amoy.

Week ended August 28. Two bills of health issued from this office.

August 23 the British steamship *Yuensang*, with 55 in the crew, for Manila via Hongkong, was granted an original bill of health. No passengers or cargo were embarked at this port. Vessel anchored in the stream while in port. August 24 the British steamship *Taisang*, with 68 in the crew, 13 cabin and 25 steerage passengers, for Manila, was granted an original bill of health. Two Chinese cabin passengers were rejected. The crew and steerage passengers were bathed and their clothing was disinfected by steam. All on board were inspected prior to sailing. Manifests were viséed for 450 pieces of freight. Vessel anchored in the stream while in port.

During the week ended August 28 there were 47 deaths from plague and 18 from cholera in Amoy.

The government of French Indo-China has removed the quarantine on vessels arriving from Amoy.

Report from Hongkong—Quarantine restrictions—Plague—Examination of emigrants—Inspection and fumigation of vessels.

Passed Assistant Surgeon McKeon reports, August 23:

Week ended August 21. Restrictions enforced by Hongkong remain as reported July 17. Restrictions enforced against Hongkong remain as reported July 17.

Quarantinable disease.—Week ended August 21. Plague 1 case, 1 death.

Aliens for Honolulu and Pacific coast ports.—Week ended August 21. Examined 109, rejected 26.

Aliens for Philippine Islands.—Week ended August 21. Examined 5, rejected 2.

Inspection of vessels.—Week ended August 21; 10. Fumigated to destroy rats, week ended August 21, 6.

Reports from Shanghai—Inspection of vessels—Examination of rats for plague infection—Rinderpest—Cholera and smallpox at Hankow.

Acting Assistant Surgeon Ransom reports, August 17, 25, and 31:

Week ended August 14. Original bill of health issued to 1 sailing vessel and 2 supplemental bills issued to 2 steamships, the 3 vessels having an aggregate personnel of 712. There were inspected 2 vessels, 98 members of crews, and 2 cabin and 17 steerage passengers. Manifests were viséed for 10,390 pieces of freight. There were inspected and passed 2 pieces of personal baggage, and 27 pieces were

disinfected. Twenty-five emigrants for San Francisco per steamship *Chiyo Maru* were examined, 19 of whom were passed and 6 recommended for rejection on account of trachoma.

Rinderpest is prevalent in the interior among cattle, the hides of which are largely shipped to the United States.

Reports from Hankow to July 31 show cholera present, but not in epidemic form.

Week ended August 21. Supplemental bills of health granted to 3 steamships, the aggregate personnel of which amounted to 466. There were inspected 2 vessels, 128 members of crews, and 17 steerage passengers. Manifests were viséed for 5,625 pieces of freight, and there were examined and passed 17 emigrants for San Francisco per steamship *Asia*; 3 were recommended for rejection on account of trachoma.

Reports from Hankow show 2 cholera cases, with 2 deaths, and 1 case of smallpox.

Week ended August 28. Bills of health, 1 original and 1 supplemental, were issued to 2 steamships, the aggregate personnel of which amounted to 201. There were inspected 2 vessels, 154 members of crews, and 21 steerage passengers. Manifests were viséed for 10,960 pieces of freight, and 1 emigrant for Seattle per steamship *Kaga Maru* was examined and passed.

Report from Tientsin—Cholera in Manchuria.

Consul Butler reports, August 25:

Cholera was reported in Manchuria, August 10 to 14, as follows: Liaoyang, Mukden, and Tashihchiao each 1 death; Yinkou, 6 cases, 1 death. The infected section of Manchuria is closely connected by rail with Tientsin, but effective measures will be taken here to prevent importation. Strict measures are being enforced by the Japanese authorities to stamp out the disease in the infected territory.

COSTA RICA.

Report from Limon, fruit port.

Acting Assistant Surgeon Goodman reports:

Week ended September 13. Estimated population, 8,000. 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.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
Sept. 8	Turialba.....	89	7	55	0
8	Manuel Calvo.....	140	47	60	0
9	Bertha.....	23	0	0	0
10	Ellis.....	33	0	0	0
11	Limon.....	45	12	0	0
11	Preston.....	29	1	0	0
11	Cartago.....	83	26	14	0
12	Brewster.....	32	0	0	0
13	Prinz Joachim.....	182	58	14	0
13	U. S. S. Tacoma.....	293	0	0	0

CUBA.

Report from Habana—Inspection of vessels—Leprosy—House and water-deposit inspection—Stegomyia larvæ found.

Passed Assistant Surgeon Amesse reports, September 25:

Week ended September 25.

Bills of health issued.....	19
Vessels inspected.....	14
Members of crews of outgoing vessels inspected.....	703
Passengers of outgoing vessels inspected.....	555

Sanitary conditions remain unchanged. A few cases of leprosy have been found at large in the city.

The city health officer reports, for the 10 days ended September 20, the detection of 40 deposits of larvæ, 22 of which were collections of *Stegomyia*.

During the same period the following transactions were reported by the district inspectors: 15,700 houses inspected and 9,827 possible mosquito-breeding places petrolled; 34,782 cans collected, 19,000 linear meters of ditching cleaned, and 2,284 square meters of land cleared of vegetation.

Report from Matanzas—Inspection of vessels—House and water-deposit inspection.

Acting Assistant Surgeon Nuñez reports, September 27:

Week ended September 25. Bills of health issued to 3 vessels clearing for United States ports in good sanitary condition.

For the 10 days ended September 20 the local sanitary department reports 3,498 houses inspected and mosquito larvæ found in 15 water containers.

Report from Santiago—Inspection of vessels—House and water-deposit inspection.

Acting Assistant Surgeon Wilson reports, September 22:

Week ended September 18. Bills of health issued to 6 vessels bound for the United States and its dependencies. No vessel fumigated.

No quarantinable disease reported. The sanitary department reports 1,469 houses inspected and larvæ found in 3 water deposits.

GUATEMALA.

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

Acting Assistant Surgeon Ames reports as follows:

Week ended September 18. Present officially estimated population, 350. General sanitary condition of this port and the surrounding country during the week, 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 passengers in transit.
Sept. 13	Cartago	New Orleans via Belize....	83	5	25
16	Belize.....	Mobile via Belize.....	18	4	0
17	Belvernon	New Orleans via Belize....	25	0	1

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

HAWAII.

Reports from Honolulu—Dates of last cases of human and rat plague—Examination of rats for plague infection.

Chief Quarantine Officer Hobdy reports, September 7 and 13:

HONOLULU.

- Last case rat plague (Aiea), 9 miles from Honolulu, August 22, 1907.
- Last case human plague, Honolulu, July 17, 1907.
- Last case rat plague, Hilo, August 28, 1909.
- Last case human plague (Olaa), 9 miles from Hilo, August 24, 1909.
- Last case rat plague (Papaikou), 5 miles from Hilo, September 6, 1909.
- Last case human plague (Papaikou), 5 miles from Hilo, September 6, 1909.

Week ended September 4.

Total rats taken.....	549
Trapped.....	536
Found dead.....	13
Killed by sulphur dioxide.....	0
Examined bacteriologically.....	388
Plague rats.....	0
Classification of rats trapped:	
Mus alexandrinus.....	36
Mus musculus.....	241
Mus norvegicus.....	94
Mus rattus.....	165
Classification of rats killed by sulphur dioxide:	
Mus alexandrinus.....	6
Mus musculus.....	2
Mus rattus.....	5
Average number of traps set daily.....	1, 294

Week ended September 11.

Total rats taken.....	448
Trapped.....	447
Found dead (alexandrinus).....	1
Examined bacteriologically.....	293
Plague rats.....	0
Classification of rats trapped:	
Mus alexandrinus.....	37
Mus musculus.....	192
Mus norvegicus.....	73
Mus rattus.....	145
Average number of traps set daily.....	1, 294

HILO.

Rat cases referred to this laboratory for bacteriological diagnosis.....	7
Human cases referred to this laboratory for bacteriological diagnosis.....	3
Rat cases proved to be plague infection.....	4
Human cases proved to be plague infection.....	3
Rats still under investigation.....	3

HONDURAS.

Report from Ceiba, fruit port.

Acting Assistant Surgeon Jumel reports:

Week ended September 15. Present officially estimated population, 6,800. 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.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
Sept. 9	Navigator.....	21	0	0	0
10	Joseph Vaccaro.....	32	0	0	0
11	Colombia.....	18	0	1	0
13	Harald.....	17	0	0	0
13	Vistor.....	17	0	0	0

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

Week ended September 22. 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.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
Sept. 16	Orleanian.....	32	2	0	0
19	Rosina.....	33	4	0	0
20	Fjell.....	17	0	0	0

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

Report from Puerto Cortez, fruit port.

Acting Assistant Surgeon Wailes reports:

Week ended September 22. Present officially estimated population, about 2,500. General sanitary condition of this port and the surrounding country, good.

Bills of health issued to the following-named vessels:

Date.	Vessel.	Number of crew.	Number of passengers from this port.	Number of passengers in transit.	Pieces of baggage disinfected.
Sept. 22	Mercator.....	18	5	0	0
22	Helen.....	20	0	0	0

Reports from Tela, fruit port

Acting Assistant Surgeon Roe reports:

Week ended September 18. Present officially estimated population, about 1,500. General sanitary condition of this port and the surrounding country during the week, good.

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.
Sept. 12	Viator	New Orleans.....	17	0	0

INDIA.

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

Acting Assistant Surgeon Allan reports, September 2:

Week ended August 28. Bill of health issued to the steamship *Spithead*, bound for Iloilo with a total crew of 61. The usual precautions were taken, holds fumigated, and Asiatics' effects disinfected. Ship moored in stream away from wharf.

Week ended August 27. In Calcutta there were 4 deaths from cholera and 13 from plague; in Bengal, 29 cases of plague with 23 deaths; in India, 1,821 cases of plague and 1,376 deaths.

ITALY.

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

Surgeon Geddings reports, September 13:

Vessels inspected at Naples and Palermo week ended September 11.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Sept. 7	Virginia.....	New York.....	492	60	480
8	Hamburg.....	do.....	503	100	520
8	Perugia.....	do.....	81	30	180
9	Madonna.....	do.....	414	90	580
	Total.....		1,490	280	1,760

PALERMO.

Sept. 9	Perugia	New York.....	254	300	70
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Rejections recommended.

NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Sept. 7	Virginia.....	11	2	11		2	26
8	Hamburg.....	6	2	3		3	14
8	Perugia.....	4		1		2	7
9	Madonna.....	3		2		6	11
	Total.....	24	4	17		13	58

PALERMO.

Sept. 9	Perugia.....	9		6			15
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Smallpox in Naples.—During the week ended September 12, there were 7 cases of smallpox, with 3 deaths, reported at the health office of the city of Naples.

JAPAN.

Report from Yokohama—Inspection and fumigation of vessels—Cholera on steamship Taian Maru at Karatsu—Plague at Kobe—Examination of emigrants.

Acting Assistant Surgeon Worden reports, September 4:

Week ended September 4. Bills of health issued to 3 vessels.

Cholera.—Information received from Nagasaki under date of September 1 shows that there were 2 cases of cholera on board the *Taian Maru* which arrived at Karatsu, having left Eiko August 26. The vessel was disinfected and detained 5 days.

A case of bubonic plague is reported from Kobe, in a person employed in the post-office, where 2 infected rats were found a few days ago.

Thirty-five aliens were examined during the past week, of whom 2 were rejected, 4 advised to wait, and 29 passed. Twenty-seven aliens were certified, 30 persons were bathed, and their effects were disinfected.

The bark *Howard D. Troop* was fumigated to destroy rats.

The health and sanitary condition of Yokohama are good.

Reports from Kobe—Inspection of vessels—Examination of emigrants—Plague—Cholera at Mitajiri and in north Korea—Dysentery in Kagawa ken.

Acting Assistant Surgeon Knight reports, September 2 and 9:

Week ended August 28. Supplemental bills of health granted to 6 steamships. There were inspected 153 members of crews and 267 steerage passengers, and 60 members of crews and 43 steerage passengers were bathed and disinfected; their effects were disinfected by steam. The number of pieces of baggage steamed was 250 and bedding 86. Manifests were viséed for 44,505 pieces of freight, amounting to 5,276 tons.

Emigrants examined:

Per steamship *Asia* for Honolulu, passed 29, recommended for rejection 37; for San Francisco, passed 1, recommended for rejection 0; per steamship *Kaga Maru* for Seattle, passed 12, recommended for rejection 21. The emigrants passed, together with 1 intending passenger to Victoria by the steamship *Kaga Maru*, were inspected, bathed, and disinfected, and their effects were disinfected before embarkation.

During the week 540 bags of old rubber shoes and 3 cases of human hair were disinfected with formalin.

Twenty-one cases of cholera were reported, August 22, at Mitajiri, 250 miles west of Kobe. The disease was brought into Mitajiri by the steamship *Kaga Maru*, the infection having been among the steerage passengers. The *Kaga Maru* runs between Dalny, Manchuria, and Osaka, by way of Moji and Mitajiri, Japan.

Cholera has assumed an epidemic form in north Korea.

Week ended September 4. Supplemental bills of health granted to 3 steamships and 1 original bill of health granted to 1 steamship.

There were inspected 251 members of crews and 104 steerage passengers, and 89 members of crews were bathed and disinfected; their effects were disinfected by steam. The number of pieces of baggage steamed was 213. Manifests were viséed for 21,440 pieces of freight, amounting to 1,531 tons.

During the week 6 cases of personal effects were disinfected with formalin.

The official returns of infectious diseases in Kobe for the week show 5 cases of plague with 2 deaths. The foci of infection were widely distributed over the city, 1 case occurring at the extreme western section of the city, 3 cases in the center, and 1 case in the eastern section. One of the patients was a clerk in a branch post-office at Kobe. Strict measures are being taken to prevent the infection from spreading.

There were reported from Kagawa prefecture 1,322 cases of dysentery, of which 303 cases were fatal; 518 cases remain under treatment. The new cases average about 54 per day. Kagawa prefecture is 120 miles southwest of Kobe.

Report from Nagasaki—Rejection of emigrants.

Sanitary Inspector Bowie reports, September 1:

Month of August, 1909. Emigrants recommended for rejection: Per steamship *Minnesota* for Seattle, 1; per steamship *Asia* for Honolulu, 4. Rejections were for trachoma.

MEXICO.*Report from the Superior Board of Health of Mexico—Yellow fever in Yucatan.*

In compliance with articles 1 and 2 of the International Sanitary Convention held at Washington October 14, 1905, the president of the Superior Board of Health of Mexico reports, September 21, that for the week ended September 18, 1 case of yellow fever was registered (September 16) at the plantation of Tekik, in the State of Yucatan,

and a fatal yellow fever case at Merida (September 17), and that prophylactic measures against the disease continue to be carried out.

Report from Coatzacoalcos—Inspection and fumigation of vessels.

Acting Assistant Surgeon Thompson reports, September 23:

Week ended September 22. Four vessels inspected. Of this number one vessel was fumigated.

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

Acting Assistant Surgeon Stowe reports, September 23:

Week ended September 22.

Vessels inspected and passed.....	6
Bills of health issued.....	6
Members of crews of outgoing vessels inspected.....	184
Passengers of outgoing vessels inspected.....	8
Vessels fumigated prior to sailing.....	1

No quarantinable disease occurred during the week. Sanitary condition of port and surrounding country good. Mosquitoes, principally *Anopheles*, are abundant.

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

Acting Assistant Surgeon Carter reports, September 30:

Week ended September 20.

Bills of health issued.....	7
Vessels inspected.....	2
Vessels fumigated.....	5
Passengers inspected.....	112
Members of crews inspected.....	273

The general sanitary conditions of Veracruz and vicinity have remained good, no contagious diseases having been reported during the week.

Further relative to yellow fever case on steamship at Veracruz.

Doctor Carter further reports, September 25 and 26:

September 25. The steamship *Sonora* arrived from Progreso the night of September 23 with 9 passengers on board, one of whom, being very ill and considered suspicious, was at once removed under a screen to the San Sebastian Hospital where he died the morning of September 24. An autopsy was held confirming the case as one of yellow fever. Five of the remaining 8 passengers were sent to the observation ward at the hospital for observation for 5 days. Two who were en route to Mexico City were allowed to proceed on the first train leaving Veracruz, and an inspector saw that the tickets were bought for Mexico City. One who was known to be immune was allowed to go to one of the hotels in the city. The vessel was fumigated throughout with sulphur and the crew were kept on board.

Permission was given later for the vessel to coal at the coal chute, which is situated about 500 yards from any habitation.

September 26. Further history of the yellow fever case imported on steamship *Sonora* shows that the patient came from Merida. He arrived at Progreso, which is the port of Merida, about noon September 20, going on board the vessel at 3.30. The attack developed during the second day of the voyage to Veracruz.

PERU.

Reports from Callao—Inspection of vessels—Status of plague in Peru—Plague at Iquique, Chile.

Acting Assistant Surgeon Gutierrez reports, September 8 and 14: Week ended September 4. Three steamships, with 227 members of crews and 116 cabin and 4 steerage passengers, were dispatched. The following is the latest report on plague in Peru received from the service of public health:

Locality.	Cases (Aug. 13).	New.	Recovered.	Died.	Remained (Aug. 28).
Department of Lima.....	8	4	3	2	7
Department of Libertad.....	4	1	1	0	4
Department of Ica.....	1	0	0	0	1
Department of Arequipa.....	1	0	1	0	0
Department of Piura.....	4	8	1	7	4

A case of plague occurred at Callao September 1.

Bills of health report plague in Chile at Iquique, August 25, with 4 cases isolated in the hospital.

Week ended September 11. One steamship, with 86 members of crew and 30 cabin and 60 steerage passengers, dispatched. The vessel was fumigated prior to sailing.

Bills of health report plague in Chile at Iquique, September 5, with 2 cases in the lazaretto, 1 case and 1 death having occurred during the past two weeks.

PHILIPPINE ISLANDS.

Reports from Manila—Cholera—Status of cholera in the provinces—Inspection of vessels.

Chief Quarantine Officer Heiser reports, August 17, 24, and 31:

Week ended August 14. No cases of quarantinable disease occurred in the city of Manila.

Cholera in the provinces.

Provinces.	Cases.	Deaths.
Pampanga.....	5	4
Albay.....	14	8
Camarines.....	72	49
Tarlac.....	2	1
Cagayan.....	14	11
Iloos Norte.....	19	11
Total.....	126	84

Since the occurrence of the cholera case reported for the week ended July 17,^a there has been one case of cholera in the city of Manila, that of a young girl, aged about 11 years, who was positively known to have been afflicted with amoebic dysentery for a number of weeks prior to her demise. Twenty-four hours before her death she was seized with an acute attack, and had symptoms which resembled those of Asiatic cholera. On post-mortem the diagnosis of cholera was confirmed by laboratory methods. The origin of this case is not determined. There were at least 7 other persons with her in the same house, amidst the same conditions, partaking of the same food and water. These contacts were kept under close observation for 10 days and no cases occurred, nor has a diligent house-to-house inspection revealed any other cases in the city of Manila.

The condition in the provinces has remained about the same, no increase having taken place. The disease has been eradicated from many of the infected centers, but other towns have become infected.

Smallpox.—In the annual report of the bureau of health for the year ended June 30, 1909, the statement appears that of the 51 deaths from smallpox that occurred at the local smallpox hospital not one took place in a person who had been successfully vaccinated.

Consular bills of health issued: August 10, the British steamship *Aymeric*, with crew of 36, en route from Kobe to Seattle, granted a bill of health, after the usual inspection of personnel and cargo. August 11, the German steamship *Kowloon*, with crew of 48, en route from Hongkong to Subic, granted a supplemental bill of health after general inspection. August 11, the British steamship *Muncaster Castle*, with crew of 46, en route from Hongkong to New York via Cebu, granted a supplemental bill of health after usual inspection. August 12, the British steamship *Erroll*, with crew of 45, en route from Hongkong to New York and Boston via Cebu, granted a supplemental bill of health after inspection of personnel and cargo.

Week ended August 21. Two cases of cholera with 2 deaths occurred in the city of Manila.

Cholera in the provinces.

Provinces.	Cases.	Deaths.
Bulacan.....	6	4
Oriental Negros.....	104	78
Cebu.....	9	6
Albay.....	2	2
Camarines.....	76	57
Ilocos Norte.....	37	17
Bohol.....	4	2
Cagayan.....	2	2
Total.....	240	168

Consular bills of health issued: August 14, the U. S. army transport *Thomas*, with 1,099 passengers and 193 in crew, granted a bill of health for San Francisco via Nagasaki and Honolulu. Crew and steerage passengers bathed and effects and baggage disinfected. Cargo and baggage inspected and either disinfected or passed. Passengers and crew inspected before sailing from Mariveles quarantine station. August 20, the Japanese steamship *Bandai Maru*, en

^a See Public Health Reports, September 10, 1909, p. 1340.

route from Múke to San Fernando, Union, with 42 in crew, was granted a supplemental bill of health. Personnel and cargo inspected prior to sailing. August 21, the British steamship *Irish Monarch*, en route from Philadelphia to Cebu, with 35 in crew, granted a supplemental bill of health, after usual inspection of cargo and personnel.

Week ended August 28. One case of cholera occurred in the city of Manila. There were no deaths from the disease.

Cholera in the provinces.

Province.	Cases.	Deaths.
Bulacan	35	27
Oriental Negros	98	75
Pampanga	1	1
Leyte	0	0
Cebu	2	1
Albay	16	12
Camarines	19	14
Rizal	1	0
Tarlac	3	3
Iloos Norte	28	19
Bohol	10	8
Cagayan	3	2
Total	216	162

Consular bills of health issued: August 23, the British steamship *Politician*, en route from Colombo to Cebu, with 46 in crew, granted a supplemental bill of health. Personnel and cargo inspected prior to sailing. August 24, the British steamship *Changsha*, en route from Hongkong to Zamboanga, with 74 in crew, 25 cabin and 42 steerage passengers, granted a supplemental bill of health. Personnel and cargo inspected prior to sailing.

RUSSIA.

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

Acting Assistant Surgeon De Forest reports, September 11 and 18: Week ended September 10.

Cholera in Russia.

Place.	Cases.	Deaths.
St. Petersburg	167	45
Cronstadt	4	1
Hungerburg	2	1
Riga	28	3
Vitebsk	54	27
Dvinsk	42	16
Polotsk (since beginning epidemic, 670 cases; 192 deaths)	25	7
Drissa	9	2
Tver	50	7
District Kortschevsk	37	10
District Wessjegousk	3	1
District Novatorshsk	1	0
Government, Novgorod	69	23
Jaroslav	71	36
Rubinsk	40	20
Danileosk	2	1
Mologa	3	3
Romanovo	3	2
Nologda	16	9

Cholera in Russia—Continued.

Place.	Cases.	Deaths.
Archangel.....	17	5
Poltava, District Chorol.....	23	15
Poltava, District Gadjatsch.....	1	0
Chudolejevka.....	1	1
Krementschug.....	15	2
Samara.....	4	2
Moscow.....	2	1
Kief.....	2	6
Mohilev.....	8	4
Novoalexandrovsk.....	7	5
Kastroma.....	5	1
Kirillov.....	4	1
Kertsch.....	1	1

No quarantinable disease exists in Libau.

For steamship *Birma*, sailing September 14, 707 emigrants have been examined; no infectious disease was found. Three hundred pieces of baggage have been disinfected by formaldehyde gas. The vessel is in good sanitary condition.

After the sailing of the *Birma* there will be no vessel from Libau to New York for 5 weeks.

Week ended September 17:

Cholera in Russia.

Place.	Cases.	Deaths.
St. Petersburg.....	246	87
Riga.....	23	11
Peruan.....	2	1
Dvinsk.....	13	3
Drissa.....	2	1
Polotzk.....	18	3
Novgorod.....	25	16
Tver.....	108	24
Tver Government.....	21	3
Jaroslav.....	96	46
Jaroslav Government.....	122	59
Rubinsk.....	25	16
Kostroma.....	16	4
Kostroma, district Nerecht.....	8	.....
Kostroma, district Jurjewez.....	1	.....
Kostroma, district Kineschma.....	5	3
Archangel.....	4	.....
Mohilev.....	33	9
Poltava—Krementschug.....	18	7
Chorol.....	5	1
Kief.....	8	4
Perm.....	3	1
Bulachna.....	1	.....
Hungerburg.....	3	2
Kräuholm.....	2	1
Wesenburg.....	7	2
Moscow.....	2	1
Ssimferopol.....	5	3
Niarni Novgorod, since beginning epidemic.....	46	25
Kronstadt.....	2	.....
Joachimstal.....	2	1
Vischny Volotschnek.....	2	.....
Jalta.....	5	3
Astrachan.....	4	3
Pskov (soldiers).....	33	.....
Vitebsk.....	30	21

The steamship *Birma* sailed for New York September 14 with 671 passengers on board, all of whom had been in Libau under observation for the full 5 days, and at time of sailing were all in good

physical condition and free from evidences of quarantinable disease. Pieces of disinfected baggage shipped, 204. No quarantinable disease exists in Libau.

ST. LUCIA ISLAND.

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

Acting Assistant Surgeon Maylie reports, September 13:

Week ended September 11. Vessels inspected 8, fumigated 7. Sanitary condition of this port and vicinity good. No quarantinable diseases exist.

VENEZUELA.

Reports from La Guaira—Inspection of vessels—No new cases of plague at Caracas.

Acting Assistant Surgeon Kellogg reports, September 6 and 13:

Week ended September 5. One steamship, the *Prins der Nederlanden*, from Amsterdam to New York, was inspected and given a bill of health. The vessel carried a crew of 40, took on 15 passengers, and had 11 passengers in transit.

No case of plague has been reported in Caracas since August 16, and on September 7 the Government of Venezuela officially declared that plague no longer existed. All sanitary work has been stopped in consequence and this office received no rats for examination.

No further cases of yellow fever have appeared in La Guaira.

Week ended September 12. Two steamships were inspected and given bills of health: The steamship *Zulia* for New York, with a crew of 44 and taking 6 passengers, and the steamship *Guadeloupe* for Colon, taking 11 passengers. For the latter vessel I inspected and passed 52 pieces of baggage.

Four rats were examined for plague with negative results. Of these 3 were *Mus norvegicus* and 1 *Mus alexandrinus*.

No further cases of plague have been reported at Caracas and none of yellow fever at La Guaira. General health conditions appear to be good.

ZANZIBAR.

Report from Zanzibar—Plague.

Consul Garrels reports, August 23:

Two deaths from plague occurred July 23 and 24, respectively.

There were no cases during the week ended August 2, and no further cases have occurred to date.

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

AUSTRALIA—*New South Wales—New Castle.*—Month of July, 1909. Estimated population, 53,100. Total number of deaths 52, including diphtheria 2, whooping cough 1, and 1 from tuberculosis.

BRAZIL—*São Paulo, Santos, and Campinas.*—Five weeks ended August 1, 1909. Estimated population, 300,000. Total number of deaths, 524, including enteric fever 2, smallpox 1, scarlet fever 1, whooping cough 3, measles 5, and 25 from tuberculosis.

CANADA—*British Columbia—Vancouver.*—Month of August, 1909. Estimated population, 66,500. Total number of deaths 83, including enteric fever 2, and 3 from tuberculosis.

Yukon Territory—Dawson.—Month of July, 1909. Estimated population, 9,142. Total number of deaths 10, including 5 from tuberculosis.

CHILE—*Punta Arenas.*—Month of July, 1909. Estimated population, 12,000. Total number of deaths 22, including 1 from tuberculosis.

FRANCE—*Nantes.*—Month of August, 1909. Estimated population, 122,800. Total number of deaths 253, including diphtheria 1, and 53 from tuberculosis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 76 great towns in England and Wales during the week ended September 4, 1909, correspond to an annual rate of 12.9 per 1,000 population, which is estimated at 16,445,281.

London.—One thousand one hundred and forty-nine deaths were registered during the week, including measles 10, scarlet fever 2, diphtheria 9, whooping cough 27, tuberculosis 144, enteric fever 2, and 139 from diarrhea. The deaths from all causes correspond to an annual rate of 12.4 per 1,000. In Greater London 1,638 deaths were registered. In the "outer ring" the deaths included 6 from measles, 2 from scarlet fever, 3 from diphtheria, and 3 from whooping cough.

Salford.—Four weeks ended August 28, 1909. Estimated population, 241,050. Total number of deaths, 268, including diphtheria 12, measles 7, and scarlet fever 3.

Ireland.—The average annual death rate represented by the deaths registered during the week ended September 4, 1909, in the 21 principal town districts of Ireland was 16.8 per 1,000 of the population, which is estimated at 1,142,308. The lowest rate was recorded in Dundalk, viz, 4, and the highest in Tralee, viz, 26.4 per 1,000.

Scotland.—The deaths registered in 8 principal towns during the week ended September 4, 1909, correspond to an annual rate of 13.8 per 1,000 of the population, which is estimated at 1,839,038. The highest rate of mortality was recorded in Dundee, viz, 16.3, and the lowest in Paisley, viz, 10.8 per 1,000. The aggregate number of deaths registered from all causes was 494, including diphtheria 11, enteric fever 1, measles 4, scarlet fever 6, and 10 from whooping cough.

SPAIN—*Cadiz.*—Month of August, 1909. Estimated population, 69,382. Total number of deaths, 171, including enteric fever 1, measles 2, scarlet fever 1, whooping cough 15, and 28 from tuberculosis.

Seville.—Month of August, 1909. Census population, 148,315. Total number of deaths, 409, including diphtheria 3, enteric fever 3, scarlet fever 3, and 86 from tuberculosis.

Cholera, yellow fever, plague, and smallpox, from June 26 to October 8, 1909.

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

For reports received from December 25, 1908, to June 25, 1909, see PUBLIC HEALTH REPORTS for June 25, 1909.]

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

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	June 13-Aug. 28.....		161	
Chefoo.....	Aug. 28.....		5	Among Europeans.
Hankow.....	July 17-Aug. 21.....	7	5	
Kang Thau.....	Apr. 1-June 30.....	4	2	
Shanghai.....	July 26-31.....	3	1	On s. s. Hudson; Aug. 7, present among foreigners and natives; Aug. 21, still present among natives.
Swatow.....	May 11-29.....			Present in vicinity.
Germany:				
Konigsberg.....	July 21.....		1	
India:				
Bombay.....	May 30-Aug. 31.....		344	
Calcutta.....	May 16-Aug. 21.....		406	
Madras.....	May 29-Aug. 20.....		7	
Negapatam.....	May 8-14.....		4	
Rangoon.....	May 16-Aug. 21.....		45	
Indo-China:				
Saigon.....	May 9-July 24.....	23	17	
Japan:				
Amagasaki.....	Aug. 14-21.....	4		
Kagawa, prefecture.....	Aug. 8-14.....	7		
Karatsu.....	Sept. 1.....	2		On s. s. Taian Maru.
Kobe.....	Sept. 13.....			Present, and July 31, 1 case in vicinity.
Mitajiri.....	Aug. 22.....	21		From s. s. Kaga Maru.
Java:				
Batavia.....	Sept. 21.....			Present.
Korea.....	Aug. 28.....			Epidemic in northern part.
Manchuria:				
Dainy.....	Aug. 11.....	1		On s. s. Kobe Maru.
Liaoyang.....	Aug. 10.....		1	
Mukden.....	Aug. 14.....		1	
Tashinchiao.....	Aug. 11.....		1	
Yinkou.....	Aug. 14.....	6	1	
Netherlands, The.....	Aug. 20-Sept. 4.....			5 deaths among boatmen from Rotterdam.
Amsterdam.....	Sept. 10.....	1	1	
Breda.....	Aug. 30-Sept. 4.....			
Dirksland.....	Sept. 10.....	1		
Dordrecht.....	Aug. 30.....			Present.
Gorkum.....	Aug. 30-Sept. 4.....	1		
Middleburg.....	Sept. 4.....	1		
Rotterdam.....	Aug. 20-Sept. 11.....	34	15	
Tholen.....	Sept. 4.....	1		
Uithorn.....	Aug. 30-Sept. 4.....	1		
Utrecht.....	Sept. 4.....	1		
Vlaardinger.....	Sept. 4.....	1		

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

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands:				
Manila.....	July 11-Aug. 28...	5	4	Fourth quarter 1908, 308 cases and 190 deaths; first quarter 1909, 1 death (imported); second quarter, 1909, no cholera.
Provinces.....				Fourth quarter 1908, 7,330 cases and 4,262 deaths; first quarter 1909, 2,221 cases and 1,405 deaths; second quarter 1909, 961 cases and 630 deaths.
Albay.....	June 27-Aug. 28...	343	253	
Ambos Camarines.....	July 4-Aug. 28...	377	271	
Bohol.....	Aug. 28.....	14	10	
Bulacan.....	July 4-Aug. 28...	104	77	
Cagayan.....	July 11-Aug. 28...	210	111	
Cebu.....	May 16-Aug. 28...	59	29	
Dapitan.....	May 9-15.....			Present.
Ilocos Norte.....	Aug. 15-28.....	84	47	
Iloilo.....	May 23-June 19.....	28	18	
Isabela.....	July 18-24.....	5	4	
Leyte.....	June 6-July 31.....	22	11	
Moro.....	May 29-July 3.....	9	9	
Mountain.....	June 20-26.....	27	15	
Negros Occidental.....	May 9-15.....	8	2	
Negros Oriental.....	May 16-Aug. 28...	383	267	
Pampanga.....	May 9-Aug. 28...	377	267	
Pangasinan.....	June 13-19.....	1	1	
Rizal.....	July 25-Aug. 28...	2	1	
Samar.....	May 9-July 10.....	42	26	
Sorsogon.....	May 9-15.....	8	2	
Tarlac.....	July 4-Aug. 28...	13	11	
Russia, general.....	May 23-Sept. 4.....	8,214	3,313	July 23, present in Kreutzburg, Mahlgraben, Muravjevo, Pinea, Radsiwilischki, Reval, Schaulen, and Tver.
Alexandrovsk.....	Aug. 28-Sept. 10.....	8	6	
Archangel.....	June 26-Sept. 17.....	337	184	
Astrachan.....	Sept. 17.....	4	3	
Baku, government.....	July 4-10.....	1	1	
Chmalysk, district.....	July 1.....	1	1	
Courland.....	July 5-Sept. 3.....	138	47	
Cronstadt.....	June 30-Sept. 17.....	66	26	
Dorpat.....	Aug. 14-20.....	1	1	
Drissa.....	July 23-Sept. 17.....	38	17	
Esthonia, government.....	July 1-Aug. 21.....	4	3	
Finland, general.....	July 16.....	1	1	
Mariengam.....	June 23-24.....	1	1	
Viborg.....	July 9-16.....	1	1	
Gadjatschek.....	Aug. 13-Sept. 3.....	53	18	
Hungerburg.....	July 30-Sept. 17.....	8	4	
Jaroslav, government.....	Sept. 11-17.....	122	59	
Jaroslav.....	July 4-Sept. 17.....	405	205	
Ken.....	Aug. 8-Sept. 3.....	45	23	
Kharkov.....	Aug. 1-Sept. 3.....	20	10	
Kief.....	Sept. 11.....	10	10	
Kostroma.....	July 23-Sept. 17.....	48	14	July 30, present.
Kretsky, district.....	July 1.....	1	1	
Livonia.....	July 5-Aug. 21.....	85	41	
Mita.....	July 15-Sept. 3.....	15	10	
Mohileve.....	Aug. 21-Sept. 17.....	48	19	
Moscow.....	July 9-Sept. 17.....	14	5	
Niaini Novgorod.....	July 4-Sept. 17.....	57	31	
Novgorod, government.....	July 4-Sept. 17.....	312	109	
Olonets, government.....	June 20-Aug. 14.....	11	7	
Perm.....	Aug. 2-Sept. 17.....	22	9	
Polotsk.....	June 27-Sept. 17.....	688	195	
Poltava, government.....	Aug. 15-Sept. 17.....	78	37	
Pskov.....	July 1-Sept. 17.....	120	42	
Reval.....	Aug. 21-27.....	2	2	
Riga.....	July 1-Sept. 17.....	281	107	
Rjasin.....	June 24-July 16.....	3	3	
Rubinsk.....	July 30-Sept. 17.....	185	103	
Samara.....	Aug. 15-17.....	5	2	
Saratov.....	Aug. 15-27.....	4	1	
Simbirsk.....	July 13.....	2	2	
St. Petersburg, government.....	June 9-July 31.....	474	169	
St. Petersburg.....	June 2-Sept. 17.....	4,722	1,837	
Tver government.....	Aug. 15-Sept. 17.....	189	39	
Viatska, government.....	July 6-24.....	2	2	

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

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
Vilna.....	July 11—Aug. 21...	61	20	
Vitebsk, government.....	July 9—Sept. 17....	703	261	
Vologda, government.....	May 31—Sept. 17....	482	203	
Siam:				
Bangkok.....	Apr. 25—May 28....	1		
Siberia:				
Vladivostok.....	Sept. 23.....			Present.
Straits Settlements:				
Singapore.....	May 9—June 5.....		18	
Sumatra:				
Djambi.....	July 15-31.....	170	78	Among natives.
Sweden:				
Stockholm.....	Aug. 12.....	1		Imported.

YELLOW FEVER.

Barbados, general.....	June 13—Aug. 14...	2	1	St. Joseph Parish, December to June, 14 deaths not previously reported.
Brazil:				
Bahia.....	May 22—Aug. 27...	40	19	
Manaos.....	May 23—Aug. 14....		11	Apr. 24—May 1—2 deaths. Reported out of date.
Para.....	May 30—Sept. 11....	49	46	
Pernambuco.....	Apr. 15—July 31....		10	
British Guiana:				
Suddie.....	July 22.....	1	1	35 miles from Georgetown.
Ecuador:				
Guayaquil.....	May 23—Aug. 21....		43	
Mexico:				
Merida.....	June 5—Sept. 17....	9	3	Sept. 11, 2 cases imported from the district of Acanceh.
Veracruz.....	Sept. 24.....		1	On s. s. Sonora.
Panama:				
Canal Zone— Ancon.....	Mar. 1-31.....			1 case at Culebra Island quarantine station, from a vessel, and 1 fatal case en route from Guayaquil.
Venezuela:				
Maiquetia.....	Aug. 15-25.....	2	2	

PLAGUE.

Australia:				
Adelaide.....	Apr. 30—June 12...	2	2	And vicinity.
Mackay.....	Jan. 21—June 6....	2	2	
Sydney.....	Apr. 18—May 29....	5	1	
Azores:				
Terceira.....	June 16.....	3	1	
Bahrain Island, Persian Gulf...	May 29—June 10....		6	
Brazil:				
Bahia.....	May 22—Aug. 6....	22	13	
Rio de Janeiro.....	May 17—July 10....	2	1	
Chile:				
Antofagasta.....	May 9-30.....	13	5	July 10, 4 cases in the lazaretto.
Iquique.....	May 20—Sept. 5....	20	9	Sept. 5, 2 cases in the lazaretto.
Magillones.....	May 4.....			Still present.
China:				
Amoy.....	June 1—Aug. 28....		822	
Canton.....	May 9—Aug. 7....	325	211	
Chang-Poo.....	July 23.....			Epidemic.
Chincheu.....	May 22.....			Do.
Eng-Ta-Tau.....	July 1-31.....	11	4	
Hongkong.....	May 2—Aug. 28....	92	83	
Kang-be.....	July 24.....	61	59	
Kang Thau.....	Apr. 1—July 31....	125	62	
Pollam.....	May 23-29.....	8	7	
Swatow district.....	May 16—July 3....		450	July 1, 200 cases still present in Touchowfu and Yin Shan.
Swatow.....	May 16—July 19....		2	
Ecuador:				
Chunchi.....	June 1-30.....	3	1	
Duran.....	July 16-31.....	3		
Guayaquil.....	May 23—Aug. 28....		45	
Huigra.....	May 1—June 15....	16	3	

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

PLAQUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Egypt:				
Alexandria.....	May 30-Aug. 19...	12	9	
Port Said.....	May 29-Aug. 24...	13	5	
Provinces—				
Assiout.....	May 14-Aug. 28...	48	8	
Beherach.....	June 14-Aug. 15...	36	14	
Galyoobeeyeh.....	June 2-Aug. 28...	7	2	
Garbieh.....	June 2-Sept. 1....	43	17	
Favyum.....	June 3-23.....	15	6	
Menouf.....	Jan. 18-Aug. 17...	87	17	
German East Africa:				
Muanza district.....	Apr. 30-May 22...		12	
Hawaii:				
Hilo.....	Aug. 19-20.....	1	1	
Honolulu.....	July 20.....	1		The case arrived on the s. s. Korea, had been ill 11 days, and probably received infection at Hongkong.
Olasa plantation.....	Aug. 20-22.....	3	2	
India:				
Bombay Presidency and Sind.....	May 16-Aug. 7....	2,383	1,907	
Madras Presidency.....	May 16-Aug. 7....	1,055	650	
Bengal.....	May 16-Aug. 7....	829	717	
United provinces.....	May 16-Aug. 7....	2,134	1,905	
Punjab.....	May 16-Aug. 7....	7,063	6,064	
Burma.....	May 16-Aug. 7....	1,004	952	
Central provinces, including Berar.....	May 16-Aug. 7....	162	110	
Mysore State.....	May 16-Aug. 7....	707	500	
Central India.....	July 18-Aug. 7....	30	16	
Rajputana and Ajmer-Merwara.....	May 16-Aug. 7....	998	834	
Kashmir.....	May 16-June 12...	4	3	
Grand total.....		16,369	13,658	
Indo-China:				
Saigon.....	May 9-Aug. 14....	83	80	
Japan:				
Formosa.....	May 23-July 17...	223	156	In south and central parts.
Kobe.....	May 30-Sept. 4....	18	11	Sept. 13, again present.
Osaka.....	July 4-10.....	1	1	
Shikoku, island.....	July 17-Aug. 3....	3	1	
Tokyo.....	June 26.....	3		
Yokohama.....	May 25-Aug. 7....	28	24	
Mauritius:	Apr. 1-June 30...	12	12	
Peru:				
Arequipa, department.....	May 8-July 29...	11	2	Present.
Chala.....	July 3-15.....			Do.
Mollendo.....	July 3-15.....			Do.
Cajamarca, department.....	May 8-July 15...	20	6	
Callao, department.....	May 8-Aug. 12....	10	4	
Callao.....	June 20-Aug. 7....			Do.
Ica, department.....	July 3-15.....	1		
Lambayeque, department.....	May 8-Aug. 12....	18	11	
Eten.....	July 15.....			Do.
Libertad, department.....	May 8-Aug. 26...	16	7	
Salaverry.....	July 15.....			Do.
Lima, department.....	May 8-Aug. 26...	30	12	
Cerro Azul.....	July 15.....			Do.
Moquegua, department.....	July 16-29.....	6	2	
Mo.....	July 15.....			Do.
Pescadores Islands.....	June 27-July 3....	4		From s. s. Lodore.
Piura, department.....	June 18-Aug. 26...	32	22	
Paiza, department.....	June 20-July 15...			Present.
Russia:				
Kirgisenuil.....	Aug. 5-8.....	19	18	In the Ural district, to Aug. 14, 22 deaths.
Siam:				
Bangkok.....	Apr. 25-June 28...	13	13	
Trinidad:				
Port of Spain.....	June 13-July 18...	6	5	
Turkey in Asia:				
Adalia.....	June 25-July 29...	5	3	
Beirut.....	June 25-July 4....	1		In Harrett Aryk.
Uruguay:				
Montevideo.....	May 1-June 30....		2	
Venezuela:				
Caracas.....	June 18-Aug. 16...	13	3	
Zanzibar.....	July 14-26.....	3	3	

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

SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers.....	May 1-Aug. 31....	27	19	
Bona.....	June 1-Aug. 31....	49	25	
Arabia:				
Aden.....	Aug. 3-9.....		1	
Argentina:				
Buenos Ayres.....	Mar. 1-June 30....		31	
Rosario.....	Apr. 1-May 31....	2	2	
Austria:				
Galicia.....	June 6-July 31....	6		
Silesia.....	June 20-Aug. 7....	17		
Belgium:				
Antwerp.....	July 18-24.....	4		
Brasil:				
Bahia.....	May 22-Aug. 27....	56	22	
Pernambuco.....	Apr. 1-July 31....		65	
Rio de Janeiro.....	May 17-Aug. 22....	74	29	
Santos.....	May 10-16.....		1	
Sao Paulo.....	May 10-July 18....		12	
Canada:				
British Columbia—				
Vancouver.....	June 1-July 31....	4		
Nova Scotia—				
Halifax.....	June 13-Aug. 7....	5		
Quebec—				
Montreal.....	June 17.....			2 cases additional at Grosse Isle on s. s. Virginian.
Ceylon:				
Colombo.....	May 23-29.....	2		
Chile:				
Valparaiso.....	May 16-Aug. 28....			Present.
Santiago.....	May 29-Aug. 21....			Do.
China:				
Amoy.....	June 1-July 10....	24	31	May 9-15; present.
Eng-Ta-Tau.....	July 1-31.....	9		
Hankow.....	Aug. 21.....	1		Apr. 26-June 12, present among natives.
Hongkong.....	May 2-June 26....	16	12	
Kang Chau.....	Apr. 1-June 30....	7	1	
Newchwang.....	Aug. 1-14.....	2	1	
Shanghai.....	May 10-Aug. 7....		8	Among natives.
Tientsin.....	June 27-July 3....	1	2	
Egypt, general.....	Apr. 30-Aug. 19....	1,464	335	
Alexandria.....	June 1-30.....	3		
Cairo.....	May 21-Sept. 9....		17	
Suez.....	May 21-July 8....	46	3	
Ecuador:				
Ensenada.....	Aug. 25.....			Epidemic.
Guayaquil.....	June 1-Aug. 10....	3		In July, 4 cases and 1 death in vicinity.
France:				
Marseille.....	June 1-30.....		5	
Nantes.....	July 1-31.....	1		
Paris.....	May 23-Sept. 11....	39	3	
Toulon.....	July 25-31.....		1	
Germany, general.....	May 30-Aug. 28....	21		
Gibraltar.....	Aug. 8.....	1		
Great Britain:				
Cardiff.....	July 6.....	1		
Liverpool.....	June 21-26.....	2		Case, June 22, from s. s. Canada.
India:				
Bombay.....	May 26-Aug. 31....		88	
Calcutta.....	May 16-Aug. 7....		126	
Madras.....	May 22-Aug. 20....		14	
Rangoon.....	May 12-Aug. 14....		28	
Indo-China:				
Saigon.....	May 9-Aug. 7....	21	20	
Italy, general.....	May 31-Sept. 12....		227	
Genoa.....	June 1-Aug. 15....	13		
Naples.....	May 31-Sept. 12....	263	49	
Ottiana.....	June 23.....	1		
Rome.....	Mar. 7-13.....	1	1	
Japan:				
Formosa.....	June 13-19.....	1		
Moji.....	June 6.....	1		From s. s. Selja.
Osaka.....	Jan. 1-May 31....	3		
Yokohama.....	June 1-7.....	1		
Java:				
Batavia.....	May 6-Aug. 21....	23		
Mauritius:				
Port Louis.....	Apr. 1-30.....	1	1	

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

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Mexico:				
Aguascalientes.....	June 21-27.....		1	
Chihuahua.....	Aug. 16-22.....	1		
Guadalajara.....	June 11-Sept. 9.....		4	
Mexico.....	May 16-Aug. 23.....		86	
Monterey.....	June 14-Sept. 19.....		27	
Veracruz.....	June 1-Sept. 6.....	12	4	Aug. 12; 6 cases imported from Medellin.
Newfoundland:				
St. Johns.....	Sept. 4.....	3		
Norway, general	Apr. 1-May 30.....	3		
Panama:				
Canal Zone—				
Ancon.....	Mar. 1-31.....	1		At Culebra Island quarantine station; from a vessel.
Persia:				
Khorassan.....	June 1-30.....			Epidemic.
Kurdistan.....	June 1-30.....			Do.
Masanderan.....	July 1-31.....			Do.
Mesched-i-Sur.....	June 1-30.....			Epidemic in vicinity.
Shiras.....	May 1-31.....			Present.
Turbat-i-Haidari.....	May 1-31.....			Do.
Peru:				
Lima.....	July 4-10.....	1		In the lazaretto.
Mollendo.....	Aug. 28.....			Present.
Philippine Islands:				
Manila.....	May 9-July 31.....	17	7	Fourth quarter, 1908, 28 cases and 8 deaths; first quarter, 1909, 55 cases and 16 deaths; second quarter, 1909, 76 cases and 9 deaths.
Portugal:				
Lisbon.....	May 30-Sept. 11.....	120		
Russia:				
Liban.....	May 6-Aug. 1.....	4		
Moscow.....	May 16-Sept. 4.....	348	107	
Odesa.....	May 30-Sept. 4.....	68	11	
Riga.....	June 6-Sept. 11.....	67		May 1-June 30, 17 deaths.
St. Petersburg.....	May 16-Sept. 4.....	352	80	
Warsaw.....	Apr. 25-July 31.....		17	
Siam:				
Bangkok.....	Apr. 25-June 28.....	2	1	
Siberia:				
Vladivostok.....	May 15-June 3.....	4	1	
Spain:				
Barcelona.....	June 1-Sept. 11.....		61	
Huelva.....	May 1-July 31.....		21	
Madrid.....	May 1-Aug. 31.....		352	
Seville.....	May 1-June 30.....		2	
Tarragona.....	July 20-26.....		1	
Valencia.....	May 20-Sept. 11.....	72	3	
Vigo.....	May 23-Sept. 11.....		13	
Straits Settlements:				
Penang.....	Aug. 15-21.....	1		
Singapore.....	May 16-July 10.....		2	
Switzerland:				
Aargau, canton.....	June 20-26.....	1		
Fribourg, canton.....	June 13-19.....	1		
Geneva, canton.....	May 30-June 26.....	9		
Tripoli:				
Tripoli.....	May 23-Aug. 28.....	84	17	
Turkey in Asia:				
Bagdad.....	July 19.....			Present in interior.
Basorah.....	May 9-Aug. 14.....			Present.
Hadjin.....	May 23-June 26.....			Do.
Smyrna.....	July 19.....			Do.
Turkey in Europe:				
Constantinople.....	May 31-Aug. 1.....		8	
Uruguay:				
Montevideo.....	Apr. 1-June 30.....		10	

Weekly mortality table, foreign and insular cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Sept. 11	181,918	35										1	1
Alexandria	Aug. 19	391,121	304	15	1					10		3	3	
Aguas Calientes	Sept. 12	40,000	62	1						1				1
Do	Sept. 19	40,000	48	1						2				2
Aix la Chapelle	Aug. 28	160,123	103	2								1	3	2
Amsterdam	Sept. 11	565,394	127	14						1			4	1
Antwerp	Sept. 4	323,921	75										4	
Asuncion, Paraguay	July 31	75,000	19	2						1				
Do	Aug. 7	75,000	18	1						1				
Athens	Aug. 28	241,058	55	22						7				
Barcelona	Sept. 11	600,000	310	21				1		5		1		
Basel	Sept. 4	131,000	34	6										2
Batavia	Aug. 21	217,630	3							1				
Belfast	Sept. 11	386,576	124	20								2		5
Belize	Sept. 16	9,113	4											
Bergen	Sept. 4	87,749	15	3										
Berlin	Aug. 28	2,102,905	534	72						3	11	8	4	11
Birmingham	Sept. 11	558,336	145							1	3	1		
Bombay	Aug. 21	977,822	593	49	31	43		2						
Breslau	Sept. 4	335,186	243	35							1	3		3
Bristol	Sept. 11	377,642	84	9									1	1
Brussels	Sept. 4	704,975	186	11						2		1	1	1
Budapest	Aug. 28	804,200									2	1	5	1
Do	Sept. 4	804,200									1	1	5	
Cairo	Sept. 2	704,836	314	28				1	5	7		22	1	
Calcutta	Aug. 21	847,796	404	28	13	4								
Ceiba	Sept. 18	6,500	3											
Chemnitz	Sept. 4	273,205	101	4								2		
Christiania	do	236,000	50	11							1	4	1	
Do	Sept. 11	236,000	45	6								1	1	
Chihuahua	Sept. 18	37,000	36	2						1				1
Cienfuegos	Sept. 11	37,000	7											
Coburg	Sept. 4	23,322	7											
Cognac	do	19,483	7											
Do	Sept. 11	19,483	4											
Cologne	Sept. 4	472,158	10								4	2	5	6
Colombo	Aug. 14	183,872	103	15						2				
Copenhagen	Aug. 28	450,000	86	12							2			1
Constantinople	Sept. 5	1,000,000	239	26						11			1	
Dundee	Sept. 11	169,409	43											
Durban	Aug. 21	60,244	13	1										
East London	do	49,253	7	1										
Edinburgh	Sept. 11	355,366	68	7								1	1	
Flushing	do	21,208	2											
Fort de France	Sept. 4	27,089	13											
Frankfort-on-the-Main	Aug. 28	366,200	105									1		2
Geneva	do	121,500	42	6										
Georgetown	Aug. 21	56,000	47	6						2				
Do	Aug. 28	56,000	51	5										
Do	Sept. 4	56,000	53	1						1				
Gent	do	164,579	39	2									3	
Glasgow	Sept. 17	872,021	218							1	5	6	2	2
Gothenburg	Sept. 4	162,400	35	7										
Greenock	Sept. 11	72,300	17											1
Guayaquil	Aug. 28	75,000	68	7	4					1				3
Halifax	Sept. 18	50,000	21	1										
Hamburg	Sept. 4	872,252	207	20								1	4	5
Hamilton	Sept. 21	1,500	6											
Hankow	Aug. 21	800,000		1										
Havre	Sept. 4	132,430	55	14						1				
Holyhead	Sept. 11	11,046	2											
Do	Sept. 18	11,046	3									1		
Hull	Sept. 11	275,552	73										1	2
Konigsberg	Sept. 4	239,100	75	9						1		2		1
Lausanne	Aug. 28	60,000	22											
Leeds	Sept. 11	484,012	106	4										2
Leipzig	Sept. 4	537,686	162	12								3	1	1
Leith	Sept. 11	85,721	16	2										
Libau	Sept. 5	90,000									2			
Liege	Sept. 4	175,843	34	6									1	
Lisbon	July 10	357,000	190	31						3		1	1	1
Do	July 17	357,000	169	23				1		1		1		

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Liverpool.....	Sept. 11	760,357	251	15						2	1	3	2	2
London.....	do.	7,429,740	1,619							4	10	10	14	40
Lubeck.....	Sept. 4	97,000	29											
Madras.....	Aug. 20	509,346	344			1		1					1	
Do.....	Aug. 27	509,346	337										4	
Magdeburg.....	Sept. 4	250,328	72	5								1		1
Managua.....	Aug. 21	22,278	29	3										
Do.....	Aug. 28	22,278	20											
Manaos.....	Aug. 28	52,000	34	2										
Do.....	Sept. 4	52,000	28	1										
Manchester.....	Sept. 11	631,533	180	25						1	3	2	1	1
Mannheim.....	Aug. 28	183,770	63	9										
Manzanillo.....	Sept. 18	1,700	1											
Matamoros.....	do	8,000	2											
Mazatlan.....	do.	22,000	23											
Merida.....	Aug. 28	36,935					1							
Mexico.....	Aug. 21	400,000	344	32				2	4		3		6	1
Do.....	Aug. 28	400,000	327	35				5	3		1		5	
Moncton.....	Sept. 18	13,500	2											
Monrovia.....	July 31	7,000	4											
Do.....	Aug. 7	7,000	7											1
Do.....	Aug. 14	7,000	6	1										
Do.....	Aug. 21	7,000	5											
Monterey.....	Sept. 19	100,000	51	4				2						
Montreal.....	Sept. 18	389,837	147	9								1		1
Moscow.....	Sept. 4	1,500,000	889	18				2	1	3	22	14	11	21
Munich.....	Aug. 28	566,000	166	24									2	1
Do.....	Sept. 4	566,000	153	25							1	1		
Naples.....	Sept. 11	593,729	297					3				1		
Nantes.....	Sept. 5	161,908	46	7										
Do.....	Sept. 12	161,908	47	8						1				
Nuevo Laredo.....	Sept. 18	5,000	3											
Nuremberg.....	Aug. 21	316,180	103	11						2		2	2	2
Newcastle-on-Tyne.....	Sept. 11	281,584	88							1		1	1	1
Nottingham.....	Sept. 14	260,000	93									1		
Ottawa.....	Sept. 11	80,200	31											
Do.....	Sept. 18	80,200	22											
Palermo.....	Sept. 4	335,000	161	8				3					7	
Para.....	do.	185,000	61	4			2							
Do.....	Sept. 11	185,000	76	10										
Paris.....	do.	2,776,384	715	154						6	1	3	6	3
Penang.....	Aug. 7	102,520	70	20										
Do.....	Aug. 14	102,520	104	23										
Do.....	Aug. 21	102,520	78	14										
Plymouth.....	Sept. 11	124,180	26								1	1		
Port Elizabeth.....	Aug. 28	32,959	11	3										
Port of Spain.....	Sept. 4	60,000	31	3						3		1		
Prague.....	do.	229,965	92	28										
Quebec.....	Sept. 18	81,000										1		
Queenstown.....	Sept. 11	7,684	1											
Rangoon.....	Aug. 21	252,155	221	8	28	6							1	
Riga.....	Sept. 11	350,000				16								
Rome.....	Apr. 17	559,715	209	19							1	9	2	
Do.....	May 1	559,715	172	20						1	4	9	4	
Do.....	May 8	559,715	148	14						1	1	7	2	
Do.....	May 15	559,715	194	14						2		15	3	
Rotterdam.....	Sept. 18	318,468	94							2		1		
Saigon.....	Aug. 9	206,000	6		5		1							
Do.....	Aug. 14	206,000	4		4									
St. Johns, N. B.....	Sept. 18	47,000	26							1				
Do.....	Sept. 25	47,000	12	1						2				
St. Petersburg.....	Aug. 28	1,678,000	746	83		90	5	1	7	11	14	38	13	
Do.....	Sept. 4	1,678,000	797	122		78	3	1	8	23	15	16	16	
St. Stephens, N. B.....	Sept. 18	2,840	1											
San Pedro, Sula.....	Aug. 14	7,400	4											
Do.....	Aug. 21	7,400	2											
Do.....	Sept. 4	7,400	4	1										
Do.....	Sept. 11	7,400	5											
Santa Cruz de Teneriffe.....	Sept. 4	46,000	12	1										
Santiago de Cuba.....	Sept. 18	53,614	20	5										

a Received out of date.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—												
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.		
Shanghai	Aug. 14	565,000	311	23												
Do	Aug. 21	565,000	308	38												
Singapore	Aug. 14	271,060	185	25							1					
Do	Aug. 21	271,060	212							1						
Southampton	Sept. 11	124,667	36	2												2
Do	Sept. 18	124,667	22													
South Shields	Sept. 11	117,627	29	3								2				
Stettin	Sept. 4	230,000	100	5										1		
Stockholm	Aug. 28	339,582	74	16							1	2				2
Stuttgart	Sept. 6	285,000	120	5							1	1				1
Suez	July 15- Aug. 14	19,786	121							3		1				
Tamatave	Aug. 7	7,096	3													
Do	Aug. 14	7,096	2													
New Castle-on-Tyne	Sept. 11	281,584	88								1	2	1			1
Tarragona	Sept. 11	20,400	8	1						1						
Tegucigalpa	Aug. 31	24,000	8													
Do	Sept. 7	24,000	18													
Trieste	Sept. 4	217,706	96							1				2		
Turin	Sept. 3	381,439	96	11						1		1				
Do	Sept. 10	381,439	100	7						3		1				
Valencia	Sept. 11	240,000	75	8						2						
Veracruz	do.	32,000	43	11						2		1				
Do	Sept. 18	32,000	31	4												
Vevay	Aug. 28	14,500	3													
Victoria	Sept. 18	30,000	5													
Vienna	Sept. 4	2,064,037	553	82						1	1	2				3
Do	Sept. 11	2,064,037	546	78							4	3	2			1
Vigo	Aug. 28	40,000	15	2												
Do	Sept. 11	40,000	15	1				2		1						
Vladivostok	Aug. 4	85,004	42													
Do	Aug. 13	85,004	34	3												
West Hartlepool	Sept. 11	66,750	20													
Winnipeg	Sept. 18	122,000	26	1						1						
Yarmouth	Sept. 19	6,700										1				
Zanzibar	Aug. 14	75,000	19	2												
Do	Aug. 31	75,000	17	2												

The following cases of and deaths from smallpox, yellow fever, cholera, and plague have been reported to the Surgeon-General, Public Health and Marine-Hospital Service, during the week ended October 8, 1909:

SMALLPOX—UNITED STATES.

Place.	Date.	Cases.	Deaths.	Remarks.
District of Columbia:				
Washington	Sept. 18-25	2		
Georgia:				
Macon	Sept. 15-21	1		
Illinois, general	Aug. 1-31	40		
Danville	Sept. 18-25	1		
Peoria	Aug. 1-31	9		
North Dakota, general	July 1-31	27		
Texas, general	do	92		
San Antonio	do	2		
Utah, general	Aug. 1-31	101		
Salt Lake City	do	17		
Washington:				
Seattle	July 1-31	2		

SMALLPOX—FOREIGN.

Place.	Date.	Cases.	Deaths.	Remarks.
Chile: Valparaiso.....	Aug. 21-28.....			Present.
China: Hankow.....	Aug. 18-25.....	1		
Egypt: Cairo.....	Aug. 26-Sept. 2.....	1	1	
France: Paris.....	Sept. 4-11.....	1		
India: Bombay.....	Aug. 18-31.....		6	
Madras.....	Aug. 14-20.....		1	
Italy, general.....	Sept. 5-12.....	7	5	
Java: Batavia.....	Aug. 14-21.....	2		
Mexico: Monterey.....	Sept. 12-19.....		2	
Persia: Masanderan.....	July 1-31.....			Epidemic.
Portugal: Lisbon.....	Sept. 4-11.....	1		
Russia: Moscow.....	Aug. 28-Sept. 4.....	7	2	
Riga.....	Sept. 4-11.....	2		
St. Petersburg.....	Aug. 21-Sept. 4.....	25	8	
Spain: Barcelona.....	Aug. 28-Sept. 11.....		5	
Valencia.....do.....	1		
Vigo.....	Sept. 4-11.....		2	

YELLOW FEVER.

Brazil: Para.....	Aug. 28-Sept. 7.....	9	6	
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CHOLERA—INSULAR.

Philippine Islands: Manila.....	Aug. 14-28.....	3	2	
Provinces.....do.....	342	246	

CHOLERA—FOREIGN.

China: Amoy.....	Aug. 14-28.....		39	
Hankow.....	Aug. 18-25.....		2	
India: Bombay.....	Aug. 18-31.....		92	
Calcutta.....	Aug. 7-21.....		11	
Madras.....	Aug. 14-20.....		1	
Rangoon.....	.....do.....		6	
Japan: Karatsu.....	Sept. 1.....	2		On s. s. Tain Maru.
Mitajiri.....	Aug. 22.....	21		
Korea.....	Sept. 2.....			Epidemic in the northern part.
Manchuria: Liaoyang.....	Aug. 10-14.....		1	
Mukden.....	.....do.....		1	
Tashichiao.....	.....do.....		1	
Yinkou.....	.....do.....	6	1	
Russia, general.....	{Sept. 3-10.....	716	257	
	{Sept. 11-17.....	946	251	
	{Sept. 3-10.....	167	45	
St. Petersburg.....	{Sept. 11-17.....	246	87	

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
Chile: Iquique.....	Aug. 18-Sept. 5.....			2 cases in lazaretto.
China: Amoy.....	Aug. 14-28.....		105	
Hongkong.....	Aug. 14-21.....	1	1	
India, general.....	do.....	1,821	1,376	
Bombay.....	Aug. 18-31.....		64	
Calcutta.....	Aug. 7-21.....		31	
Rangoon.....	Aug. 14-21.....		28	
Japan: Kobe.....	Aug. 29-Sept. 4.....	5	2	
Peru, general.....	Aug. 28-Sept. 4.....	13	9	
Zanzibar: Zanzibar.....	July 23-24.....		2	

By authority of the Secretary of the Treasury:

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