

PUBLIC HEALTH REPORTS.

THE CAUSATION AND PREVENTION OF PLAGUE.

The following extracts are from a series of lectures on plague delivered June last before the Royal College of Physicians of London by Dr. W. J. R. Simpson, professor of hygiene at King's College, London, and government commissioner to inquire into the causes and continuance of plague in Hongkong, 1902:

Modes of dissemination of plague and channels of infection.—It is now accepted that the importation of plague into a healthy locality can be effected by an infected human being, or an infected rat, or infected clothes. Observations have been so numerous as regards these agencies as to remove all doubt on this point. Dr. E. E. Klein has further shown by some important experiments that infected grain may also be an agent in the importation of the disease. By feeding rats and guinea pigs with grain which had been contaminated with old cultures of plague, and which was then dried, he was able to cause plague in those animals, so that grain which has been infected with infective material from plague rats or human beings may, on importation into a healthy seaport, give plague to healthy rats on shore which eat the contaminated portions of the grain. The association of corn ships with plague is a very old one. In recent years the association has been ascribed almost wholly to plague rats on board ship which have left the ship and infected healthy rats on shore, but now infected grain must be added as a likely agent.

Once imported, the dissemination of the disease is effected by similar agents as those bringing about importation. Rats, clothes, human agency, and food play their respective parts. It is now almost universally admitted that, except in pneumonic cases, rats are the principal agents in the dissemination of the disease, though personal contact, as in typhoid fever, also plays its part. They bring the infection into houses connected with their subterranean passages. In Hongkong one could trace many of the subterranean passages with their infected rats and their connection with the distribution of the disease in the houses. A systematic bacteriological examination of rats trapped and found dead proved that plague in the rats of the locality preceded plague in man. So constantly did this occur that as soon as plague-infected rats were discovered measures were introduced, as in Cape Town, but on a more extended and systematic basis, of treating the house or locality as plague infected. In other words, a policy of forestalling plague was adopted. The precedence of rat plague in relation to plague epidemics was observed in Bombay, the Punjab, Calcutta, South Africa, Australia, and southern China. The value of the Hongkong observations lay in the direct evidence obtained by scientific and precise methods not only of the direct relationship which the precedence of rat plague bore to human

plague, but also of the important rôle which the rat plays in the spread of the disease from house to house and in groups of houses. Similar observations were made by Dr. J. Ashburton Thompson, in Sydney, but under different conditions. The Sydney outbreaks are comparatively mild, the mortality being under 40 per cent, and consist mainly of bubonic cases with but few septicæmic cases. Probably the type in Sydney was the same as that met with in Cape Town, where one of the marked features was absence of cerebral symptoms and intestinal disorders, differing in this respect from the type met with in Poona in 1897, but which in 1907 seemed to me to have changed, presenting fewer nervous symptoms. The Hongkong outbreaks are exceptionally virulent, the mortality being over 80 and 90 per cent and with a large percentage of septicæmic cases.

The problem of the dissemination of the disease by rats is not solved by simply proving that rats are infected with plague in a house or locality before human beings, or by the fact that if measures are taken to dispose of the infected rats human plague will not occur, and, vice versa, if no measures are taken plague will attack some of the inmates of the house. The question naturally arises, How is the infection of the rat transferred to man? There are two views and the upholders of each have a tendency to claim that theirs is the only way. The more that is learned of plague the more it is evident that there is no only way.

The flea theory.—Dr. Ashburton Thompson had exceptional opportunities of studying the small outbreaks in Sydney and on that study he came to the conclusion that Simond's theory that the flea on the rat, leaving the rat dead from plague and then biting man, transfers plague from the rat to man, explained the phenomena connected with plague. That theory, of which Dr. Ashburton Thompson is the champion, has recently received very valuable support in its favor from the very important experiments made by the Indian plague commission and which are the outcome of certain researches by Capt. W. G. Liston, I. M. S., to whom much credit is due for his excellent work in this direction. These experiments established first the accuracy of Simond's and Gauthier's and Raybaud's experiments as to the power of infected fleas from plague rats causing plague in healthy rats. * * * On the other hand, taking the most liberal interpretation of the flea theory based on the experiments mentioned, it is doubtful whether the flea theory will account for more than a certain percentage of the fatal bubonic cases which may vary in different circumstances in different localities. * * *

The food theory.—More post-mortem examinations are made on plague cases in Hongkong than in any other part of the world, and it is on the observations there both on man and animals that the theory has been formulated that the ingestion of food contaminated with the plague virus is the cause of septicæmic cases of plague. * * *

Measures to protect healthy districts.—A careful inspection of crates filled with goods from infected localities should be arranged for in order that any dead or sick rats may be immediately discovered and disposed of in a safe manner and the contaminated portion of the goods disinfected; for the same reason an inspection of fodder and loads of grain from infected localities is necessary. The warehouses attached to railways and docks require to be especially watched; also granaries, stables, slaughterhouses, and markets, where

rats from infected localities are likely to be imported and spread infection among indigenous rats or where contaminated goods infect healthy rats.

Measures in infected localities.—With regard to infected areas the only measures on a large scale available are inoculation, evacuation, and disinfection of infected houses and destruction of rats. * * * Evacuation of an infected locality and inoculation promptly carried out will stop any epidemic. In Cape Town plague was becoming serious among the Kaffirs. It was decided to remove them from their dwellings, where they were crowded together under most insanitary conditions, as bad as, if not worse than, any in India. In the course of a week from 7,000 to 8,000 were removed to a small village prepared for them and all were inoculated. The epidemic ceased among them, and although after two or three days' rest, in order that they should recover from the malaise caused by the inoculation, they came in regularly to Cape Town and often worked in infected portions of the town, they remained free from the disease.

In an infected area the measures to be adopted are controlled to some extent by circumstances. In some localities all the measures mentioned can be brought to bear, and of course these are the best conditions for success; but if plague is in a village where there are no means of disinfecting the huts and destroying the rats during the process of disinfection, then evacuation and inoculation are the only measures that can be practiced, and if inoculation is carried out the evacuation need only be as long as is necessary to allow of time for the inoculations.

Doctor Simpson recommends the exposure of grain to the sun, boiling the infected clothing, and general destruction of rats; and he insists particularly on fumigation by sulphur for the destruction not only of plague germs, but of all rats, fleas, bugs, and other insects in houses. On this subject he says:

Everything is disinfected in situ; the only articles that require to be removed are such foodstuffs as flour, fresh fruits, fish, and meat. Rice and grain need not be removed and would be disinfected along with the other contents of the house. * * * In the case of a plague patient being in the house and objections being raised to removal to hospital the patient can be made comfortable in a tent during the fumigation and be removed back to the house after twenty-four hours, for with the rats and insects destroyed there would be little danger of the spread of the disease. After the patient had recovered or died the house could be again disinfected.

In conclusion Doctor Simpson insists on the necessity of the formation of a special and trained plague service for the prevention and mitigation of plague in India.

UNITED STATES.

Plague in California—Service to assume charge of measures.

EXECUTIVE OFFICE,
Oyster Bay, N. Y., September 5, 1907.
Surgeon-General WYMAN,
Public Health and Marine-Hospital Service,
Washington, D. C.:

Following telegram received from mayor of San Francisco: "In view of existing sanitary conditions, it is desired that the Fed-

eral Government assume immediate charge of the measures necessary to eradicate and prevent the spread of bubonic plague in San Francisco. The city will do its utmost to furnish funds to pay for material and labor. It is requested that the Public Health and Marine-Hospital Service furnish sufficient number of medical officers." Please take action requested at once if within our powers, and communicate with mayor by wire as soon as possible.

THEODORE ROOSEVELT.

SEPTEMBER 5, 1907.

President ROOSEVELT,
Oyster Bay, N. Y.:

Telegram quoting request of mayor of San Francisco that the Public Health and Marine-Hospital Service take immediate charge of measures relating to the plague situation is received. In accordance with your directions immediate action will be taken and the mayor notified. Service officers—some especially detailed for the purpose—have been cooperating with the local authorities and measures necessary to prevent the spread of the disease in other ports by shipping are well established. It is entirely within our power to assume charge of measures to eradicate the disease, the local authorities cooperating as indicated in the mayor's telegram.

WALTER WYMAN.

NOTE.—Passed Assistant Surgeon Blue has arrived at San Francisco under directions from the Bureau to assume charge of the plague situation, and in addition to others already there four officers now on the way to San Francisco will report to him. A laboratory has been shipped to San Francisco and is about to arrive there.

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

Surgeon Austin, at San Francisco, Cal., reports:

September 7. Health Officer Bertling informs me the patient who died at Berkeley of plague was in hospital at Berkeley but eight hours and had not been away from Point Richmond for six weeks prior to her illness.

September 8. Two cases plague, Midway Place. Reported yesterday infected rats found at city and county hospital and at North Beach. One-half city and county hospital disinfected yesterday with sulphur.

September 9. One fatal case plague Pacific and Hyde streets. One case plague Twenty-second and Folsom streets. One death of case previously reported. Total cases to date, 21; total deaths, 9.

September 11. One fatal case yesterday, Harrison street; total cases to date, 22; total deaths, 10. Completed the fumigation of city and county hospital yesterday.

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

CALIFORNIA—*Sacramento*.—Month of July, 1907. Estimated population 40,000. Total number of deaths 45, including 6 from tuberculosis. Cases: Diphtheria 2, measles 1, and smallpox 1.

CONNECTICUT—*Stamford*.—Month of August, 1907. Estimated population, 20,000. Total number of deaths not reported. Cases: Enteric fever 5, measles 3, scarlet fever 1, whooping cough 1, and tuberculosis 2.

FLORIDA.—Reports to the State board of health for the week ended August 3, 1907, show as follows: Diphtheria—*Jacksonville*, *Callahan*, and *St. Augustine*, each 1 case. Enteric fever—*Jacksonville*, 3 cases; *Tampa* and *Daytona*, each 1 case. Tuberculosis—*Jacksonville*, 4 cases; *Newberry*, *Tampa*, *Anthony*, and *Ocala*, each 1 case.

Pensacola.—Month of August, 1907. Estimated population, 22,256. Total number of deaths, 38, including enteric fever 2, and 3 from tuberculosis. Cases of contagious diseases not reported.

ILLINOIS—*Danville*.—Month of August, 1907. Estimated population, 30,000. Total number of deaths, 36, including 3 from tuberculosis.

INDIANA—*Anderson*.—Month of August, 1907. Estimated population, 25,398. Total number of deaths, 25, including 2 from tuberculosis. Cases: Diphtheria 2, enteric fever 12, smallpox 1, and tuberculosis 2.

Marion.—Month of August, 1907. Estimated population, 27,000. Total number of deaths, 25, including diphtheria 1, and 3 from tuberculosis. Cases: Diphtheria 4, enteric fever 4, scarlet fever 4, measles 4, tuberculosis 6, and smallpox 3.

KENTUCKY—*Henderson*.—Month of August, 1907. Estimated population, 17,500. Total number of deaths, 20, including enteric fever 3, and 2 from tuberculosis. Cases: Enteric fever 21, measles 8, and tuberculosis 2.

MONTANA—*Helena*.—Month of August, 1907. Estimated population, 21,000. Total number of deaths, 14, including 1 from diphtheria and 2 from enteric fever. Cases: Diphtheria 1, enteric fever 9, and scarlet fever 1.

NEW HAMPSHIRE—*Concord*.—Month of August, 1907. Estimated population, 20,000. Total number of deaths, 27, including 4 from tuberculosis. Cases: Diphtheria 3, and tuberculosis 4.

NEW JERSEY.—Reports to the State board of health for the month ending August 15, 1907, show a total of 3,232 deaths, including diphtheria 41, enteric fever 32, measles 17, scarlet fever 28, whooping cough 27, and 309 from tuberculosis.

Morristown.—Month of August, 1907. Estimated population, 12,500. Total number of deaths, 19. Cases: Enteric fever 2, diphtheria 1, and scarlet fever 1.

NEW YORK.—Month of July, 1907. Estimated population, 8,227,000. Reports to the State department of health show as follows: Total number of deaths, 11,959, corresponding to an annual death rate of 17.4 per 1,000 of the population, includes enteric fever 100, measles 143, scarlet fever 89, smallpox 1, whooping cough 62, diphtheria 190, and 1,120 from phthisis pulmonalis. Cases: Diphtheria 1,774, enteric fever 450, measles 3,060, scarlet fever 1,347, smallpox 12, and tuberculosis 1,975.

NORTH CAROLINA.—Month of July, 1907. Estimated population, 1,893,810. Reports to State board of health from 80 counties show as follows: Measles in 24 counties, whooping cough in 27 counties, scarlet fever in 6 counties, diphtheria in 17 counties, enteric fever in 72 counties, malarial fever in 21 counties, pernicious malarial fever in 3 counties, hemorrhagic malarial fever in 4 counties, and smallpox in 17 counties, viz: Alamance, 30; Burke, 1; Cleveland, a few; Columbus, 5; Forsyth, 6; Guilford, 18; Johnston, 20; Madison, 5; Martin, 1; Mitchell, 20; Orange, 3; Pender, 1; Rowan, 5; Sampson, 2; Union, 1; Wake, 14, and Watauga, 9.

Reports for the month from 20 towns having an aggregate population of 174,300—white, 108,050; colored, 66,250—show a total of 271 deaths—white, 128; colored, 143—including enteric fever 23, measles 1, malarial fever 9, whooping cough 3, and 36 from phthisis pulmonalis.

OHIO—Ironton.—Month of August, 1907. Estimated population, 18,000. Total number of deaths, 27.

PENNSYLVANIA—Beaver Falls.—Month of August, 1907. Estimated population, 12,000. No deaths reported. Cases: Diphtheria 1, enteric fever 2, and scarlet fever 3.

New Castle.—Month of August, 1907. Estimated population, 38,000. Total number of deaths, 61, including diphtheria 1, enteric fever 3, measles 1, scarlet fever 1, whooping cough 3, and 4 from tuberculosis. Cases: Diphtheria 8, enteric fever 10, whooping cough 8, scarlet fever 2, measles 1, and tuberculosis 2.

York.—Month of July, 1907. Estimated population, 49,000. Total number of deaths, 35, including 2 from tuberculosis. Cases: Diphtheria 4, enteric fever 7, and measles 28.

VIRGINIA.—Reports to the State board of health for the month of July, 1907, show as follows:

Diphtheria present in 9 counties and 1 city; enteric fever in 71 counties and 3 cities; measles in 25 counties and 2 cities; scarlet fever in 6 counties and 2 cities; whooping cough in 40 counties; smallpox in 9 counties and 3 cities; and tuberculosis in 62 counties and 2 cities.

Smallpox in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, June 28 to September 13, 1907.

[For reports received from December 28, 1906, to June 28, 1907, see PUBLIC HEALTH REPORTS for June 28, 1907.]

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

| Place. | Date. | Cases. | Deaths. | Remarks. |
|------------------------------|-----------------------|--------|---------|--|
| Alaska: | | | | |
| Nome | July 1-10 | 1 | | From steamship Ohio. From steamship Pennsylvania, July 16, epidemic in vicinity. |
| St. Michael | May 26-July 13 | 2 | | |
| Total for Territory | | 3 | | |
| California: | | | | |
| General | July 1-31 | | 1 | Imported. |
| Los Angeles | July 21-27 | 1 | | |
| Oakland | July 1-31 | 1 | | |
| Sacramento | July 1-30 | 1 | | |
| San Francisco | June 22-Aug. 24 | 21 | 1 | |
| Total for State | | 24 | 2 | |
| Colorado: | | | | |
| Bent County | May 1-31 | 3 | | |
| Boulder County | May 1-June 30 | 23 | | |
| Clear Creek County | May 1-31 | 1 | | |
| Conejos County | June 1-30 | 1 | | |
| Denver County | May 1-June 30 | 118 | | |
| Douglas County | June 1-30 | 1 | | |
| Eagle County | May 1-31 | 1 | | |
| El Paso County | May 1-June 30 | 3 | | |
| Grand County | June 1-30 | 2 | | |
| Jefferson County | May 1-June 30 | 6 | | |
| Kiowa County | May 1-31 | 2 | | |
| Lake County | May 1-31 | 2 | | |
| Larimer County | May 1-June 30 | 5 | | |
| Las Animas County | May 1-June 30 | 10 | | |
| Lincoln County | June 1-30 | 1 | | |
| Mesa County | May 1-31 | 1 | | |
| Montrose County | May 1-June 30 | 7 | | |
| Otero County | May 1-June 30 | 35 | | |
| Prowers County | May 1-31 | 9 | | |
| Pueblo County | May 1-June 30 | 11 | | |
| Washington County | May 1-June 30 | 19 | | |
| Weld County | May 1-31 | 6 | | |
| Yuma County | May 1-June 30 | 7 | | |
| Total for State | | 274 | | |
| Connecticut: | | | | |
| Willimantic | June 1-30 | 2 | | |
| Total for State | | 2 | | |
| District of Columbia: | | | | |
| Washington | June 16-22 | 1 | | |
| Total for District | | 1 | | |
| Illinois: | | | | |
| Aurora | June 1-July 2 | 55 | | |
| Chicago | June 23-July 13 | 9 | | |
| Dundas | June 10-30 | 3 | | |
| Galesburg | June 16-July 6 | 3 | | |
| Joliet | May 31-June 15 | 5 | | |
| Mechanicsburg | Jan. 16-Aug. 1 | 19 | | |
| Peoria | June 18-July 25 | 10 | | |
| Springfield | June 21-27 | 1 | | |
| Tolono | June 1-July 19 | 5 | | |
| Winalow | June 1-Aug. 3 | 25 | | |
| Total for State | | 135 | | |
| Indiana: | | | | |
| Allen County | May 1-June 30 | 5 | | |
| Boone County | June 1-30 | 2 | | |
| Carroll County | June 1-30 | 9 | | |
| Cass County | May 1-June 30 | 6 | | |
| Clinton County | May 1-June 30 | 2 | | |
| Delaware County | June 1-30 | 1 | | |
| Elkhart County | May 1-31 | 28 | | |
| Elkhart | July 1-Aug. 3 | 2 | | |
| Floyd County | May 1-31 | 1 | | |

Smallpox in the United States, etc.—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|---|----------------------|--------|---------|----------|
| Indiana—Continued. | | | | |
| Fountain County..... | May 1-31..... | 1 | | |
| Grant County..... | May 1-June 30..... | 4 | | |
| Marion..... | June 1-Aug. 31..... | 4 | | |
| Hamilton County..... | May 1-June 30..... | 25 | | |
| Harrison County..... | May 1-31..... | 3 | | |
| Hendricks County..... | May 1-June 30..... | 11 | | |
| Howard County..... | May 1-June 30..... | 4 | | |
| Huntington County..... | June 1-30..... | 2 | | |
| Kosciusco County..... | June 1-30..... | 1 | | |
| Lake County..... | June 1-30..... | 5 | | |
| Laporte County..... | May 1-June 30..... | 27 | | |
| Lawrence County..... | May 1-June 30..... | 8 | | |
| Madison County..... | June 1-30..... | 1 | | |
| Anderson..... | August 1-31..... | 1 | | |
| Marion County, Indian- apolis..... | June 17-Sept. 1..... | 9 | | |
| Marshall County..... | May 1-June 30..... | 51 | | |
| Miami County..... | May 1-June 30..... | 22 | | |
| Montgomery County..... | June 1-30..... | 7 | | |
| Parke County..... | June 1-30..... | 1 | | |
| Pike County..... | June 1-30..... | 3 | | |
| Porter County..... | June 1-30..... | 12 | | |
| St. Joseph County, South Bend..... | June 16-July 20..... | 6 | | |
| Tippecanoe County..... | May 1-June 30..... | 2 | | |
| Lafayette..... | June 18-July 15..... | 7 | | |
| Tipton County..... | May 1-June 30..... | 28 | | |
| Vanderburg County..... | June 1-30..... | 1 | | |
| Vermilion County..... | June 1-30..... | 16 | | |
| Wabash County..... | May 1-31..... | 8 | | |
| Wells County..... | June 1-30..... | 1 | | |
| White County..... | May 1-31..... | 3 | | |
| Whitley County..... | May 1-June 30..... | 3 | | |
| Total for State..... | | 333 | | |
| Iowa: | | | | |
| Cedar Rapids..... | June 1-July 1..... | 2 | | |
| Davenport..... | June 15-July 31..... | 9 | | |
| Keokuk..... | July 1-31..... | 2 | | |
| Ottumwa..... | Aug. 18-24..... | 1 | | |
| Total for State..... | | 14 | | |
| Kansas: | | | | |
| Allen County..... | May 1-31..... | 6 | | |
| Atchison County..... | May 1-June 30..... | 11 | | |
| Barton County..... | May 1-June 30..... | 5 | | |
| Bourbon County..... | June 1-30..... | 2 | | |
| Brown County..... | May 1-31..... | 6 | | |
| Chase County..... | May 1-June 30..... | 38 | | |
| Cheyenne County..... | May 1-31..... | 1 | | |
| Clark County..... | May 1-June 30..... | 7 | | |
| Cloud County..... | May 1-31..... | 2 | | |
| Cowley County..... | May 1-June 30..... | 24 | | |
| Crawford County..... | May 1-31..... | 1 | | |
| Doniphan County..... | May 1-June 30..... | 9 | | |
| Edwards County..... | May 1-31..... | 8 | | |
| Finney County..... | May 1-31..... | 3 | | |
| Franklin County..... | May 1-June 30..... | 2 | | |
| Geary County..... | June 1-30..... | 7 | | |
| Gove County..... | May 1-31..... | 3 | | |
| Grant County..... | June 1-30..... | 1 | 1 | |
| Greenwood County..... | May 1-31..... | 1 | | |
| Harper County..... | May 1-31..... | 1 | | |
| Harvey County..... | May 1-31..... | 3 | | |
| Jackson County..... | May 1-31..... | 20 | | |
| Jefferson County..... | May 1-June 30..... | 4 | | |
| Kingman County..... | May 1-June 30..... | 9 | | |
| Labette County..... | May 1-31..... | 1 | | |
| Parsons..... | May 1-June 30..... | 14 | | |
| Leavenworth County— Leavenworth..... | June 1-30..... | 6 | | |
| Lyon County..... | May 1-31..... | 2 | | |
| Marion County..... | June 1-30..... | 3 | | |
| Miami County..... | May 1-31..... | 1 | | |
| Montgomery County..... | June 1-30..... | 7 | | |
| Coffeyville..... | May 1-31..... | 13 | | |
| Osborne County..... | May 1-31..... | 5 | | |
| Pawnee County..... | June 1-30..... | 2 | | |
| Phillips County..... | May 1-31..... | 22 | | |
| Rawlins County..... | May 1-31..... | 5 | | |
| Reno County..... | May 1-June 30..... | 36 | | |
| Saline County..... | May 1-June 30..... | 14 | | |

Smallpox in the United States, etc.—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|-----------------------------|---------------------------|------------|----------|----------------------|
| Kansas—Continued. | | | | |
| Sedgwick County | May 1-June 30.... | 13 | | |
| Seward County..... | May 1-31..... | 3 | | |
| Sheridan County..... | May 1-June 30.... | 34 | | |
| Sherman County..... | May 1-June 30.... | 43 | | |
| Smith County..... | May 1-31..... | 2 | | |
| Stafford County..... | May 1-31..... | 2 | | |
| Sumner County..... | May 1-31..... | 12 | | |
| Thomas County..... | May 1-31..... | 1 | | |
| Washington County..... | May 1-June 30.... | 6 | | |
| Wilson County..... | May 1-31..... | 4 | | |
| Wyandotte County..... | June 1-30..... | 11 | | |
| Kansas City..... | June 16-July 17... | 11 | | Previously reported. |
| Total for State..... | | 447 | 1 | |
| Kentucky: | | | | |
| Covington..... | June 23-Sept. 7... | 8 | | |
| Lexington..... | July 21-27..... | 1 | | |
| Louisville..... | June 22-Aug. 1.... | 8 | | |
| Total for State..... | | 17 | | |
| Louisiana: | | | | |
| New Orleans..... | June 16-Aug. 31.... | 21 | 3 | |
| Shreveport..... | July 28-Aug. 10.... | 4 | | |
| Total for State..... | | 25 | 3 | |
| Massachusetts: | | | | |
| Boston..... | July 14-Aug. 17.... | 2 | | |
| Lawrence..... | June 16-July 13.... | 3 | | |
| South Groveland..... | July 1-Aug. 17.... | 20 | | |
| Total for State..... | | 25 | | |
| Michigan: | | | | |
| Detroit..... | June 16-Aug. 17.... | 23 | | |
| Saginaw..... | Aug. 18-24..... | 3 | | |
| Total for State..... | | 26 | | |
| Minnesota: | | | | |
| Anoka County..... | May 21-27..... | 3 | | |
| Beltrami County..... | May 6-June 10.... | 27 | | |
| Benton County..... | Apr. 30-May 6..... | 2 | | |
| Big Stone County..... | May 14-June 17.... | 13 | | |
| Blue Earth County..... | May 14-June 3..... | 10 | | |
| Brown County..... | May 14-June 13.... | 27 | | |
| Carver County..... | May 1-June 17.... | 47 | | |
| Cass County..... | May 1-June 11.... | 23 | | |
| Chisago County..... | May 14-June 11.... | 19 | | |
| Clay County..... | May 14-June 17.... | 7 | | |
| Crow Wing County..... | May 14-20..... | 1 | | |
| Dakota County..... | May 14-June 11.... | 2 | | |
| Faribault County..... | May 1-June 17.... | 35 | | |
| Fillmore County..... | June 1-17..... | 1 | | |
| Grant County..... | May 27-June 3..... | 2 | | |
| Hennepin County..... | May 1-June 17.... | 88 | | |
| Houston County..... | May 1-June 6..... | 2 | | |
| Isanti County..... | May 1-27..... | 18 | | |
| Itasca County..... | May 6-June 17.... | 6 | | |
| Kandiyohi County..... | June 4-11..... | 18 | | |
| Lake County..... | May 14-June 3..... | 3 | | |
| McLeod County..... | May 27-June 18.... | 4 | | |
| Millelacs County..... | May 1-27..... | 2 | | |
| Morrison County..... | Apr. 30-May 6..... | 1 | | |
| Nicollet County..... | May 1-June 3..... | 5 | | |
| Nobles County..... | June 14-18..... | 1 | | |
| Pine County..... | May 28-June 3..... | 1 | | |
| Ramsey County..... | May 1-June 11.... | 24 | | |
| St. Louis County..... | May 1-June 11.... | 25 | | |
| Scott County..... | May 1-20..... | 5 | | |
| Sherburne County..... | May 14-20..... | 1 | | |
| Stearns County..... | May 1-June 18.... | 38 | | |
| Steele County..... | May 6-27..... | 7 | | |
| Todd County..... | May 6-13..... | 1 | | |
| Traverse County..... | May 6-13..... | 8 | | |
| Wabasha County..... | May 1-27..... | 1 | | |
| Washington County..... | May 1-June 18.... | 13 | | |
| Wilkin County..... | May 1-20..... | 18 | | |
| Yellow Medicine County..... | May 1-6..... | 1 | | |
| Total for State..... | | 510 | | |

Smallpox in the United States, etc.—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|-------------------------------|-----------------------|--------|---------|-----------------------------|
| Mississippi: | | | | |
| Biloxi | May 1-31 | 1 | | Imported. |
| Natchez | July 1-6 | 2 | | |
| Total for State | | 3 | | |
| Missouri: | | | | |
| St. Joseph | June 16-Aug. 3 | 17 | | |
| St. Louis | June 16-July 13 | 7 | | |
| Total for State | | 24 | | |
| Montana: | | | | |
| Beaverhead County | Feb. 1-28 | 1 | | |
| Broadwater County | May 1-31 | 1 | | |
| Cascade County | Apr. 1-30 | 7 | | |
| Custer County | Feb. 1-May 31 | 20 | | |
| Deerlodge County | Mar. 1-31 | 1 | | |
| Fergus County | Apr. 1-30 | 1 | | |
| Flathead County | Apr. 1-30 | 1 | | |
| Gallatin County | May 1-31 | 1 | | |
| Granite County | May 1-31 | 1 | | |
| Lewis and Clarke County | May 1-31 | 1 | | |
| Madi-on County | Feb. 1-8 | 1 | | |
| Meagher County | May 1-31 | 1 | | |
| Missoula County | Feb. 1-May 31 | 7 | | |
| Park County | Mar. 1-May 31 | 10 | | |
| Sanders County | Feb. 1-May 31 | 13 | | |
| Silverbow County | Feb. 1-May 31 | 12 | | |
| Valley County | May 1-31 | 1 | | |
| Yellowstone County | May 1-31 | 3 | | |
| Total for State | | 83 | | |
| Nebraska: | | | | |
| Lincoln | Apr. 1-July 31 | 95 | | |
| Total for State | | 95 | | |
| New Jersey: | | | | |
| Newark | July 1-Aug. 24 | 8 | | |
| West Hoboken | Apr. 1-Aug. 15 | 7 | | |
| Total for State | | 15 | | |
| New York: | | | | |
| Cattaraugus County— | | | | |
| Machias | May 1-June 30 | 3 | | |
| Erie County— | | | | |
| Buffalo | July 14-Aug. 31 | 4 | | |
| New York County— | | | | |
| New York | June 23-Aug. 10 | 3 | 2 | |
| Niagara County— | | | | |
| Niagara Falls | May 1-31 | 2 | | 2 cases previously reported |
| Suffolk County— | | | | |
| Shelter Island | May 1-31 | 1 | | |
| Ulster County— | | | | |
| Kingston | June 1-30 | 1 | | |
| Total for State | | 14 | 2 | |
| North Carolina: | | | | |
| Alamance County | May 1-July 31 | 39 | | |
| Alexander County | May 1-31 | 1 | | |
| Beaufort County | May 1-31 | 1 | | |
| Bladen County | May 1-31 | 1 | | |
| Burke County | May 1-July 31 | 4 | | |
| Cabarrus County | May 1-31 | 1 | | |
| Chatham County | May 1-31 | 1 | | |
| Chowan County | May 1-June 30 | 31 | | |
| Cleveland County | July 1-31 | | | |
| Columbus County | June 1-July 31 | 6 | | |
| Davidson County | May 1-31 | 12 | | |
| Davie County | May 1-31 | 1 | | |
| Durham County | June 1-30 | 3 | | |
| Edgecombe County | May 1-31 | 1 | | |
| Forsyth County | May 1-July 31 | 14 | | |
| Franklin County | May 1-June 30 | 11 | | |
| Gaston County | June 1-30 | 3 | | |
| Guilford County | May 1-July 31 | 17 | | |
| Greensboro | June 29-Aug. 31 | 16 | | |
| Harnett County | May 1-June 30 | 13 | | |
| Johnston County | May 1-July 31 | 50 | | |
| Lincoln County | May 1-31 | 1 | | |
| | | | | Present. |

Smallpox in the United States, etc.—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|---|-----------------------|--------|---------|----------|
| North Carolina—Continued. | | | | |
| Madison County | July 1-31 | 5 | | |
| Martin County | July 1-31 | 1 | | |
| Mitchell County | July 1-31 | 20 | | |
| Nash County | May 1-June 30 | 3 | | |
| New Hanover County, Wil- mington included. | May 1-July 10 | 11 | | |
| Orange County | July 1-31 | 3 | | |
| Pender County | July 1-31 | 1 | | |
| Robeson County | May 1-31 | 5 | | |
| Rowan County | May 1-July 31 | 14 | | |
| Rutherford County | June 1-30 | 2 | | |
| Sampson County | July 1-31 | 2 | | |
| Union County | July 1-31 | 1 | | |
| Wake County | May 1-July 31 | 74 | | |
| Watauga County | July 1-31 | 9 | | |
| Total for State | | 378 | | |
| Ohio: | | | | |
| Cleveland | June 22-28 | 4 | | |
| Cincinnati | June 30-July 5 | 2 | | |
| Columbus | June 1-30 | 3 | | |
| Dayton | Aug. 25-31 | 1 | | |
| Hamilton | Mar. 17-June 27 | 21 | | |
| Toledo | May 19-July 25 | 30 | | |
| Total for State | | 61 | | |
| Oregon: | | | | |
| General | | 15 | 1 | |
| Multnomah County, Port- land. | May 1-June 30 | 6 | | |
| Total for State | | 21 | 1 | |
| Pennsylvania: | | | | |
| Homestead | June 8-21 | 2 | | |
| New Castle | June 1-30 | 3 | | |
| Oil City | July 3-13 | 2 | | |
| Philadelphia | July 7-13 | 1 | | |
| Total for State | | 8 | | |
| South Dakota: | | | | |
| Sioux Falls | Aug. 11-24 | 2 | | |
| Total for State | | 2 | | |
| Tennessee: | | | | |
| Memphis | June 23-July 13 | 8 | | |
| Nashville | June 24-July 13 | 7 | | |
| Total for State | | 15 | | |
| Texas: | | | | |
| Galveston | June 22-28 | 1 | | |
| Houston | Apr. 28-July 27 | 50 | 1 | |
| San Antonio | June 16-Aug. 24 | 7 | | |
| Total for State | | 58 | 1 | |
| Utah: | | | | |
| Salt Lake County, Salt Lake City | June 1-July 31 | 19 | | |
| Uintah County | May 1-31 | 1 | | |
| Wasatch County | May 1-June 30 | 27 | | |
| Weber County | June 1-30 | 3 | | |
| Total for State | | 50 | | |
| Vermont: | | | | |
| West Berlin | Apr. 26-Aug. 20 | 43 | | |
| Total for State | | 43 | | |
| Virginia: | | | | |
| Amherst County | Apr. 1-30 | 3 | | |
| Appomattox County | Apr. 1-May 31 | 5 | | |
| Bedford County | Apr. 1-30 | 5 | | Present. |
| Dinwiddie County | July 1-31 | 2 | | |
| Elizabeth City County | Apr. 1-May 31 | 5 | | |
| Giles County | Apr. 1-May 31 | 3 | | |

Smallpox in the United States, etc.—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|-----------------------------|----------------------|--------|---------|-------------------------|
| Virginia—Continued. | | | | |
| Hanover County..... | Apr. 1–July 31 | 4 | | July 31, still present. |
| Henrico County, Richmond | June 12–July 20..... | 12 | ..... |  |
| Lancaster County | July 1–31..... | 1 | ..... |  |
| Louisa County..... | Apr. 1–July 31 | 9 | ..... |  |
| Mecklenburg County..... | May 1–31..... | 7 | ..... |  |
| Nansemond County | Apr. 1–May 31 | 2 | ..... |  |
| Pittsylvania County..... | Apr. 1–July 31 | 4 | ..... |  |
| Princess Anne County..... | May 1–July 31 | 3 | ..... |  |
| Rockbridge County..... | Apr. 1–30..... | 40 | ..... |  |
| Scott County..... | Apr. 1–30..... | 50 | ..... |  |
| Smyth County..... | Apr. 1–May 31 | 2 | ..... |  |
| Southampton County..... | May 1–31..... | 4 | ..... |  |
| Surry County..... | Apr. 1–30..... | 1 | ..... |  |
| Tazewell County..... | Apr. 1–30..... | 6 | ..... |  |
| Warwick County..... | May 1–31..... | 2 | ..... |  |
| Wise County..... | July 1–31..... | 11 | ..... |  |
| York County..... | Apr. 1–30..... | 5 | ..... |  |
| Total for State..... | | 181 | | |
| Washington: | | | | |
| Fort Steilacoom | May 10–30..... | 2 | | 7 imported. |
| Seattle..... | May 1–July 31 | 49 | ..... |  |
| Spokane..... | June 16–Aug. 17..... | 44 | ..... |  |
| Tacoma..... | June 23–Aug. 24..... | 8 | ..... |  |
| Total for State..... | | 103 | | |
| West Virginia: | | | | |
| Ripley..... | May 25–Aug. 19... | 28 | | |
| Total for State..... | | 28 | | |
| Wisconsin: | | | | |
| Manitowoc | June 16–22..... | 1 | | |
| Milwaukee..... | June 16–Sept. 4... | 33 | | |
| Total for State..... | | 34 | | |
| Grand total, United States. | | 3,051 | 10 | |

Plague in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, August 12 to September 13, 1907.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|----------------------------------|-----------------------|--------|---------|------------------------------|
| California: | | | | |
| Berkeley..... | Sept. 1..... | 1 | 1 | Case Aug. 12 from ss. Samoa. |
| San Francisco ^a | Aug. 12–Sept. 10..... | 21 | 9 | |

^aA case of plague was admitted to the Marine Hospital, San Francisco, May 23, and died May 26, 1907. (See Public Health Reports, June 21, 1907.)

Yellow fever in the United States as reported to the Surgeon-General, Public Health and Marine-Hospital Service, September 1–13, 1907.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|------------------|----------------|--------|---------|---|
| Maryland: | | | | |
| Baltimore..... | Sept. 1–7..... | 1 | 1 | At Baltimore quarantine station, from Norwegian ss. Aagot, from Daiquiri. |

FOREIGN AND INSULAR.

AFRICA.

Report from Cape Colony—Plague at King Williams Town—Examination of animals for plague infection.

The following is received from the medical officer of the Colony under date of July 29:

Week ended July 27, 1907. No case of plague in man was discovered during the week. No cases were discharged, and 3 cases still remain under isolation and treatment.

During the week 95 rats (including 23 found dead), 85 mice (including 27 found dead), and 2 cats (both found dead) were examined, of which none were found to be positively plague-infected, but 23 rats, 27 mice, and 2 cats were found to be probably plague-infected.

AUSTRALIA.

Plague at Brisbane—Examination of rodents for plague infection.

The following information is taken from bulletins received from Consul-General Bray, at Melbourne:

NEW SOUTH WALES—*Sydney*.—Week ended June 29, 1907. Rodents destroyed, 1,682; examined, 444; found infected, 8.

Week ended July 6, 1907. Rodents destroyed, 1,454; examined, 433; found infected, 2.

Week ended July 13, 1907. Rodents destroyed, 1,732; examined, 471; found infected, 0.

Week ended July 20, 1907. Rodents destroyed, 1,479; examined, 416; found infected, 2.

Date of last infected rat found, July 17, 1907.

QUEENSLAND—*Brisbane*.—Week ended June 29, 1907. Rodents destroyed, 481; examined, 381; found infected, 1.

Week ended July 6, 1907. One case, 1 death; case declared July 6. No infected rats found on premises. Rodents destroyed during the week, 385; examined, 287; found infected, 2.

Week ended July 20, 1907. One case, 1 death; case declared July 19. Rodents destroyed, 429; examined, 336; found infected, 2.

BRAZIL.

Report from Rio de Janeiro—Inspection of vessels—Plague, small-pox, and yellow fever.

Acting Assistant Surgeon Stewart reports, August 7:

Week ended August 4. The following-named vessels left this port for United States ports and received bills of health:

July 29, the British steamship *Spartan Prince*, for New York, with a cargo of coffee, 3 steerage passengers, and 1 new member of the crew; August 2, the British steamship *Byron*, for New York, with a cargo of coffee, 21 first cabin, 16 steerage passengers, and 1 new member of the crew from this port; and August 4, the British steamship *Ethalwalda*, for Pensacola, Fla., with no change in personnel, and in water ballast.

Mortality report from Rio de Janeiro, Brazil.—Week ended August 4, 1907. Total deaths, 263. Yellow fever caused 1 death; plague 1 death, with 5 new reported cases; and smallpox 1 death, with 6 new reported cases. At the close of the week there were in the Hospital São Sebastião no cases of yellow fever, 5 cases of smallpox, and 6 cases of plague.

BRITISH HONDURAS.

Report from Belize, fruit port.

Acting Assistant Surgeon Mengis reports as follows:

Week ended August 29, 1901. Present officially estimated population, about 10,500. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

| Date. | Vessel. | Destination. | Number of crew. | Number of passengers from this port. | Number of passengers in transit. | Pieces of baggage disinfected |
|---------|-----------------|-------------------|-----------------|--------------------------------------|----------------------------------|-------------------------------|
| Aug. 23 | Anselm | New Orleans | 43 | 7 | 17 | 0 |
| 23 | Belize | Mobile | 18 | 1 | 0 | 0 |
| 23 | Rendsburg | New Orleans | 20 | 0 | 0 | 0 |

One alien sailing for United States during the week.

CHINA.

Report from Amoy—Epidemic plague.

Consul Paddock reports, July 26:

Although plague has existed in Amoy sporadically for the past six weeks, it has not become epidemic until now. The port of Amoy is declared infected by Shanghai, Philippine Islands, and Dutch East Indies.

COLOMBIA.

Report from Cartagena—Inspection of vessels—Sanitary conditions.

Acting Assistant Surgeon Jacobs reports, August 21:

Week ended August 20, 1907. Bills of health issued, United States, 2; passengers from this port, 8; passengers in transit, 113; passengers inspected, 121; members of crews inspected, 197.

No quarantinable disease was reported by the authorities during the week. Sanitary condition of Cartagena and surrounding country good, though smallpox is present.

COSTA RICA.

Report from Limon, fruit port.

Acting Assistant Surgeon Goodman reports as follows:

Week ended August 24, 1907. Estimated population, 6,000. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

| Date. | Vessel. | Destination. | Number of crew. | Number of passengers from this port. | Number of passengers in transit. | Pieces of baggage disinfected. |
|---------|------------------|-------------------|-----------------|--------------------------------------|----------------------------------|--------------------------------|
| Aug. 18 | San José..... | Boston | 43 | 10 | 0 | 0 |
| 19 | Prinz Joachim... | New York | 154 | 158 | 19 | 0 |
| 20 | Nicoya | do | 55 | 1 | 0 | 0 |
| 21 | Mobila | New Orleans | 48 | 1 | 25 | 0 |
| 22 | Haakon VII | do | 21 | 0 | 0 | 0 |
| 22 | Hispania | do | 20 | 0 | 0 | 0 |
| 23 | Barranca | New York | 54 | 3 | 0 | 0 |
| 24 | Imperator | New Orleans | 20 | 0 | 0 | 0 |
| 24 | Greenbriar | do | 46 | 2 | 0 | 0 |

Four bills of health for Panama ports viséed.

CUBA.

Report from Cienfuegos—Yellow fever.

Acting Assistant Surgeon Marsillan reports:

September 5. Four new yellow fever cases among Spaniards and 2 deaths. Total cases to date, 34; recoveries, 22; deaths, 8; under treatment to date, 4.

September 6. Two new cases among Spaniards to-day. Total cases to date, 36; recoveries, 22; deaths to date, 8; under treatment to date, 6.

September 6. New cases reported to-day among Spaniards, 2; deaths, 1, a Cuban child. Total cases to date, 38; recoveries, 23; deaths to date, 9; under treatment to date, 6.

September 8. One new case confirmed to-day; no deaths. Total cases to date, 39; recoveries, 23; deaths, 9; under treatment to date, 7.

September 10. One death. Cases to date, 39; recoveries, 23; deaths to date, 10; under treatment, 6.

Report from Habana—Inspection of vessels—Yellow fever in Habana Province.

Acting Assistant Surgeon McConnell reports, August 26:

Two weeks ended August 24, 1907. During this period there were reported in this Province 2 cases and 1 death of yellow fever, all occurring in Spaniards and at the town of San Nicolas. No case of yellow fever was reported in the city of Habana.

| | |
|---|-------|
| Vessels inspected and bills of health issued..... | 38 |
| Vessels not inspected and bills of health issued..... | 11 |
| Crew of outgoing vessels inspected..... | 1,665 |
| Crew of outgoing vessels not inspected..... | 424 |
| Passengers of outgoing vessels inspected..... | 714 |
| Passengers of outgoing vessels not inspected..... | 28 |
| Persons entering Triscornia for observation prior to sailing..... | 120 |
| Persons transferred from Triscornia to vessels..... | 109 |
| Certificates of immunity to yellow fever issued..... | 110 |
| Vessels fumigated prior to sailing..... | 14 |

Quarantine imposed against Veracruz.

Passed Assistant Surgeon Amessee reports:

September 7. Cuban authorities have to-day imposed quarantine against Veracruz, Mexico, on account of reappearance of yellow fever at that point.

Passengers detained at Triscornia quarantine station during the month of August, 1907.

During the month of August, 1907, there were detained in quarantine, at Triscornia, 205 passengers for southern ports, divided as follows: First cabin, 84; second cabin, 121.

Reports from Matanzas—Inspection and fumigation of vessels.

Acting Assistant Surgeon Nuñez reports, August 26:

Week ended August 24, 1907. Four vessels leaving for United States ports were granted bills of health; 1 health and acclimation certificate was issued to a passenger bound for New York via Habana; 2 vessels, the American schooner *Freddie Hencken* and the Norwegian steamship *Times*, both bound to Mobile, Ala., with a crew of 7 and 24, respectively, and without passengers, were fumigated.

Since August 17, when 1 case of yellow fever was reported at Alacranes, no new cases of that disease, nor any other of a quarantinable nature, have been reported within this province. One of the cases of yellow fever brought from Mocha died at the civil hospital of this city August 17.

Week ended August 31. Four bills of health granted to vessels leaving for United States ports; 4 health and acclimation certificates issued to passengers destined to the United States via Habana, and the following vessels fumigated: The American schooner *Westfield*, with 7 in the crew, no passengers, bound to Mobile; the Norwegian steamship *Ole Bull*, with a crew of 20 and no passengers,

destined to Mobile; and the Norwegian steamship *Gottthard*, with 21 in the crew and 8 passengers in transit, taken on in Habana, bound for Galveston. These vessels sailed from this port on August 28, 29, and 30, respectively, with no sickness aboard up to the time of their inspection.

August 26 one case of yellow fever was reported at Alacranes as cabled under same date to the Bureau. The case occurred in a Cuban boy by the name of G. L., 7 years of age, residing in the town of Alacranes, where the disease was contracted. The patient was isolated at the place for observation and treatment. No new cases of yellow fever have been reported since.

August 26 a decree was issued by the provisional government of Cuba creating a national department of sanitation.

Summary of the transactions for the month of August, 1907.

| | |
|---------------------------------------|-----|
| Number of bills of health issued..... | 19 |
| Number of vessels fumigated..... | 9 |
| Crews inspected..... | 455 |
| Passengers (in transit)..... | 13 |
| Certificates of immunity issued..... | 7 |

There were no transactions for the Canal Zone nor the Republic of Panama.

The following cases and deaths of yellow fever were reported during the month in the city and province: August 4, 1 case at Matanzas ending in death (origin of case traceable to Mocha within this district); August 9, 1 case at Alacranes, within this province; August 15, 2 cases at Matanzas, imported from Mocha, of which 1 died, and August 17-26, 2 cases reported at Alacranes.

The total number of deaths from all causes during the month was 86, which gives an annual average of mortality of 20.64 per mille.

Report from Santiago—Inspection of vessels.

Acting Assistant Surgeon Wilson reports, August 27:

Week ended August 24, 1907. Bills of health issued to 3 vessels bound for the United States. No vessel fumigated.

No quarantinable disease reported.

ECUADOR.

Report from Guayaquil—Fumigation of vessels from San Francisco, Cal., on account of plague.

The following is received from the Department of State, under date of September 4:

A telegram has been received from the consul-general at Guayaquil, Ecuador, which reads:

"The board of health has decided that on account plague San Francisco vessels to be received in Ecuador must be fumigated.

GUATEMALA.

Report from Livingston—Inspection of vessels.

Acting Assistant Surgeon Wailes reports as follows: Week ended August 28, 1907. Present officially estimated population, 3,500. General sanitary condition of this port and the surrounding country during the week, good. No quarantinable diseases.

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. | Pieces of baggage disinfected. |
|---------|--------------|-------------------|-----------------|--------------------------------------|----------------------------------|--------------------------------|
| Aug. 28 | Origen | New Orleans ..... | ..... | 0 | 0 | 0 |

Sanitary conditions at Puerto Barrios.

Doctor Wailes further reports:

August 27. Conditions at this port and in the surrounding country are assuming a more healthy aspect. There have been no cases of yellow fever in this port or Livingston since June 25.

HAWAII.

Report from Honolulu—Outgoing quarantine transactions.

Chief Quarantine Officer Cofer reports, August 18:

Week ended August 17, 1907.

| | |
|---|-----|
| Vessels inspected and bills of health issued | 6 |
| Vessels disinfected and bills of health issued | 2 |
| Cabin passengers inspected | 161 |
| Steerage passengers inspected | 99 |
| Crew inspected | 167 |
| Pieces of steerage baggage disinfected | 106 |
| Pieces of baggage for crew disinfected | 165 |
| Hides disinfected | 974 |
| Pieces of freight disinfected | 65 |
| Persons declined certificates on account of fever | 2 |

HONDURAS.

Report from Ceiba, fruit port.

Acting Assistant Surgeon Reynolds reports as follows: Week ended August 25, 1907. Present officially estimated population, 6,500. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

| Date. | Vessel. | Number of crew. | Number of passengers from this port. | Number of passengers in transit. | Pieces of baggage disinfected. |
|---------|---------------------|-----------------|--------------------------------------|----------------------------------|--------------------------------|
| Aug. 20 | Spero..... | 19 | 0 | 0 | 0 |
| 20 | Joseph Vaccaro..... | 30 | 5 | 0 | 0 |
| 25 | Bratten..... | 16 | 0 | 0 | 0 |
| 25 | Rosina..... | 30 | 0 | 0 | 0 |

Reports from Puerto Cortez, fruit port—Few Stegomyia calopus present—Antimosquito work continued—Inspection of Choloma; conditions good.

Acting Assistant Surgeon Ames reports as follows: Week ended August 24, 1907. Present officially estimated population, about 2,400. General sanitary condition of this port and the surrounding country, excellent. Antimosquito work continues; few Stegomyia. Inspected Choloma, a town on railroad near San Pedro; conditions 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. |
|---------|-----------------|-----------------|--------------------------------------|----------------------------------|--------------------------------|
| Aug. 18 | España..... | 13 | 1 | 0 | 0 |
| 22 | Kong Frode..... | 18 | 0 | 0 | 0 |
| 22 | Anselm..... | 43 | 17 | 0 | 0 |
| 23 | Nicaragua..... | 15 | 1 | 0 | 0 |

Report from Tela—Inspection of vessels.

Acting Assistant Surgeon Roe reports as follows: Week ended August 24, 1907. Present officially estimated population, about 1,250. General sanitary condition of this port and the surrounding country during the week, good.

Bills of health issued to the following-named vessels:

| Date. | Vessel. | Destination. | Number of crew. | Number of passengers from this port. | Number of passengers in transit. | Pieces of baggage disinfected. |
|---------|-------------------|------------------|-----------------|--------------------------------------|----------------------------------|--------------------------------|
| Aug. 18 | Columbia..... | Mobile..... | 19 | 0 | 0 | 0 |
| 18 | Jos. Vaccaro..... | New Orleans..... | 30 | 0 | 0 | 0 |
| 24 | Rosina..... | do..... | 30 | 0 | 0 | 0 |
| 24 | Katy..... | Mobile..... | 24 | 0 | 0 | 0 |

ITALY.

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

Assistant Surgeon Foster reports, August 19:

Vessels inspected at Naples and Palermo week ended August 17, 1907.

NAPLES.

| Date. | Name of ship. | Destination. | Steerage passengers inspected and passed. | Pieces of large baggage inspected and passed. | Pieces of baggage disinfected. |
|---------|----------------------|----------------|---|---|--------------------------------|
| Aug. 13 | Regina Elena | New York | | | |
| 14 | Slavonia | do | | | |
| 14 | Perugia | do | 260 | 55 | 480 |
| 15 | Moltke | do | 948 | 270 | 1,350 |
| 16 | Regina d'Italia..... | do | 580 | 120 | 450 |
| 16 | Königin Luise..... | do | 330 | 45 | 600 |
| | Total | | 2,118 | 490 | 2,880 |

PALERMO.

| | | | | | |
|---------|----------------------|----------------|-----|-----|-----|
| Aug. 15 | Perugia | New York | 414 | 500 | 200 |
| 17 | Regina d'Italia..... | do | 221 | 374 | 170 |
| | Total | | 635 | 874 | 370 |

Rejections recommended.

NAPLES.

| Date. | Name of ship. | Trachoma. | Favus. | Suspected trachoma. | Suspected favus. | Other causes. | Total. |
|---------|----------------------|-----------|--------|---------------------|------------------|---------------|--------|
| Aug. 13 | Regina Elena..... | | | | | | |
| 14 | Slavonia | | | | | | |
| 14 | Perugia | 5 | 3 | 1 | | 1 | 10 |
| 15 | Moltke | 16 | 2 | 13 | | 1 | 32 |
| 16 | Regina d'Italia..... | 12 | 1 | 3 | | 4 | 20 |
| 16 | Königin Luise..... | 8 | | 4 | | 2 | 14 |
| | Total | 41 | 6 | 21 | | 8 | 76 |

PALERMO.

| | | | | | | | |
|---------|----------------------|----|--|----|--|---|----|
| Aug. 15 | Perugia..... | 13 | | 16 | | | 29 |
| 17 | Regina d'Italia..... | 11 | | 15 | | 6 | 32 |
| | Total | 24 | | 31 | | 6 | 61 |

JAPAN.

Report from Yokohama—Inspection of vessels—Emigrants recommended for rejection—Plague in suburb of Yokohama and at Saseho—Plague rats—Legislation relative to leprosy.

Passed Assistant Surgeon Cumming reports, August 9:

Week ended August 3, 1907. Bills of health were issued to 4 steamships having an aggregate personnel of 270 crew and 475 passengers.

Of these, 2 steamships, the *Tudor Prince* and the *Abelour*, each bound for New York via ports, were fumigated (holds, storerooms, and forecastles) with sulphur gas for the purpose of destroying vermin.

During the month ended July 31, 1907, 588 aliens applying for passage to the United States or its possessions were inspected with special reference to their freedom from trachoma, favus, and tuberculosis. Sixty-one persons were refused passage because of disease, 91 were held for diagnosis, and 436 were passed.

Six hundred and one persons embarking for American ports or for Vancouver on vessels bound for United States ports were bathed and their effects disinfected.

At Yokohama only 1 plague infected rat and no human cases of plague have been found, though the disease persists in the suburb, Hodagaya. The Japanese steamship *Yamashiro Maru* arrived in quarantine from Shanghai via Kobe and Nagasaki and was remanded on account of cholera on board en route. Three cases have died; 2 mild cases are improving.

The department of the interior has given notice that vessels arriving from Rangoon and Bombay will be disinfected before discharge of cargo on account of the continued introduction of plague in the cotton and rice cargoes.

Epidemics of trachoma, and dysentery ascribed to climatic conditions, are reported in Uji, Ushigome, and Koishikawa.

An imperial ordinance with regard to leprosy has been issued, and at a conference of authorities it has been determined to begin at once the erection of buildings in 5 prefectures, the expense to be borne by the imperial and local treasuries. It has been decided also to begin enforcing the isolation law in April, 1908. Foreign lepers will be allowed to land in exceptional cases and for a short time only.

Seventy-one cases of plague and 755 plague-infected rats are reported in Osaka for the period January to July, 1907. At the naval base, Saseho, cases are occurring.

The Japanese consul at Newchwang reports an outbreak of plague at Gei Hai, near Newchwang.

Emigrants recommended for rejection.

Number of emigrants per steamship *Minnesota* recommended, August 13, 1907, for rejection: For Seattle, 36.

Report from Kobe—Quarantine against Osaka suspended.

Acting Assistant Surgeon Fowler reports, August 8:

No case of plague having occurred in Osaka since June 27, 1907, the quarantine regulations of the United States relating to infected places will from this date cease to be enforced at this consulate against Osaka.

MEXICO.

Report from Manzanillo—Yellow fever case on steamship San Juan.

Consul Deichman reports, August 20:

The Pacific Mail steamship *San Juan*, arriving here on the morning of August 17, was held in quarantine two days by the authorities

to observe 3 cases of fever reported by the health officers at Salina Cruz and Acapulco, Mexico, to the health officer here as yellow fever.

As the patients had almost recovered on arrival, the quarantine officer after two days' observation and study of the cases pronounced 1 a mild form of yellow fever and the other 2 malaria. He then ordered the quarters occupied by the patients and their effects thoroughly fumigated, after which he allowed the steamer to come to the wharf to discharge cargo.

The vessel left to-day at noon for San Blas and Mazatlan, Mexico, and should arrive at San Francisco August 29.

Report from Progreso—Inspection of vessels—Sanitary conditions.

Acting Assistant Surgeon Harrison reports, August 31:

Two weeks ended August 31. No quarantinable disease has appeared and sanitary conditions generally are good. Eight steamers, carrying 117 passengers from this port and 376 persons in crews, received bills of health.

Report from Veracruz—Inspection and fumigation of vessels—Yellow fever.

Acting Assistant Surgeon Frick reports, August 26 and September 5:

Week ended August 24.

August 19. Inspected the British steamship *Cayo Domingo*, bound for Port Inglis via Puerto Mexico, with 28 in the crew and 2 passengers; vessel sails in the remainder of a European cargo.

August 20. Fumigated the British steamship *Therapis*, bound for Mobile, with 24 in the crew; vessel sails in ballast, with time of last exposure at 3.15 p. m.

August 21. Fumigated the British steamship *Madawaska*, bound for Galveston, with 29 in the crew; vessel sails in ballast, with time of last exposure at 9.12 a. m.

August 22. Fumigated the British steamship *Manchuria*, bound for Mobile, with 26 in the crew; vessel sails in ballast, with time of last exposure 7.55 a. m. Fumigated the British steamship *Senator*, bound for Galveston, with 40 in the crew; vessel sails in a partial general cargo of Mexican products for England, time of last exposure 10.35 a. m. Inspected the American steamship *Monterey*, bound for New York via Progreso and Habana, with 98 in the crew, 71 cabin and 26 steerage passengers; vessel sails in general cargo and cattle for Habana. Fumigated the Norwegian steamship *City of Tampico*, bound for New Orleans, with 22 in the crew and 12 passengers; vessel sails in a partial general cargo, with time of last exposure at 3.40 p. m.

August 23. Inspected the German steamship *Scotia*, bound for Fernandina via Mexican ports, with 28 in the crew and 1 passenger; vessel sails in the remainder of a European cargo.

August 24. A bill was issued the Norwegian steamship *City of Mexico*, scheduled to sail Sunday, August 25.

No quarantinable disease was reported here during the week. The sanitary situation remains favorable.

September 5. Light-house janitor under precautionary observation five days, then removed to the Casa de Salud; commission makes diagnosis of yellow fever. Eight days of illness; focus Veracruz.

NICARAGUA.

Reports from Bluefields, fruit port.

Acting Assistant Surgeon Layton reports as follows:

Week ended August 13, 1907. Present officially estimated population, 2,800. 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. | Pieces of baggage disinfected. |
|---------|-----------------|-------------------|-----------------|--------------------------------------|----------------------------------|--------------------------------|
| Aug. 13 | John Wilson.... | New Orleans | 16 | 2 | 0 | 0 |

Week ended August 25, 1907. 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. |
|---------|--------------|--|-----------------|--------------------------------------|----------------------------------|
| Aug. 22 | Osceola..... | Boston, via Pearl Lagoon and Prinzapulca, Nicaragua, and Inagua, W. I. | 30 | 0 | 0 |

PANAMA.

Report from Bocas del Toro, fruit port.

Acting Assistant Surgeon Osterhout reports as follows:

Week ended August 25, 1907. Present officially estimated population, 4,954. 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. | Pieces of baggage disinfected. |
|---------|-----------------|-------------------|-----------------|--------------------------------------|----------------------------------|--------------------------------|
| Aug. 21 | Mount Vernon. | Mobile | 20 | 0 | 0 | 0 |
| 21 | Fort Morgan.... | do | 23 | 0 | 0 | 0 |
| 23 | Belvernon | do | 20 | 1 | 0 | 0 |
| 24 | Karen | New Orleans | 21 | 7 | 0 | 0 |

PHILIPPINE ISLANDS.

Report from Manila—Quarantine transactions, month of June, 1907.

Chief Quarantine Officer Heiser reports, July 21 :

Quarantine transactions of the Service in the Philippine Islands during the month of June, 1907.

PORT OF MANILA.

| | |
|--|---------|
| Bills of health issued | 45 |
| Vessels inspected | 215 |
| Passengers on arriving vessels inspected | 6, 844 |
| Persons vaccinated | 129 |
| Crew on arriving vessels inspected | 8, 458 |
| Vessels fumigated to exterminate vermin | 3 |
| Vessels sailing without quarantine, inspected and passed | 7 |
| Crew on vessel inspected | 626 |
| Passengers on vessels inspected | 1, 580 |
| Crew bathed and effects disinfected | 320 |
| Passengers bathed and effects disinfected | 1, 331 |
| Pieces of baggage disinfected | 6, 163 |
| Pieces of baggage inspected and passed | 5, 534 |
| Pieces of miscellaneous cargo certified | 42. 151 |

PORT OF ILOILO

| | |
|--|--------|
| Bills of health issued | 12 |
| Vessels inspected | 92 |
| Passengers on arriving vessels inspected | 885 |
| Crew on arriving steamers inspected | 1, 642 |
| Crew on arriving sailing vessels inspected | 591 |
| Vessels fumigated to exterminate vermin | 11 |

PORT OF CEBU.

| | |
|--|--------|
| Bills of health issued | 9 |
| Vessels inspected | 162 |
| Passengers on arriving vessels inspected | 1, 773 |
| Crew on arriving vessels inspected | 3, 885 |
| Vessels fumigated to exterminate vermin | 2 |

PORT OF CAVITE.

| | |
|--|-----|
| Bills of health issued | 2 |
| Vessels inspected | 2 |
| Crew on arriving vessels inspected | 149 |

PORT OF OLONGAPO.

| | |
|--|-----|
| Vessel inspected | 1 |
| Crew on arriving vessels inspected | 386 |

PORT OF ZAMBOANGA.

| | |
|--|-----|
| Vessels inspected | 6 |
| Passengers on arriving vessels inspected | 139 |
| Crew on arriving vessels inspected | 370 |

PORT OF JOLO.

| | |
|--|----|
| Vessels inspected | 4 |
| Passengers on arriving vessels inspected | 43 |
| Crew on arriving vessels inspected | 74 |

TURKEY.

Report from Trebizond—Cholera on the Black Sea.

Consul Jewett reports, August 14: Cholera has just appeared across the Black Sea from Trebizond.

WEST INDIES.

Report from Bridgetown, Barbados—Inspection of vessels—Sanitary conditions—Smallpox case imported from Funchal discharged—Beriberi cases at quarantine; from vessels.

Acting Assistant Surgeon Urquhart reports, August 24:

Week ended August 17, 1907. Bills of health issued to 7 vessels in good sanitary condition.

The smallpox case reported last week as imported from Funchal is still in quarantine.

No other quarantinable diseases present.

The sanitary condition of the port remains good.

Week ended August 24, 1907. Bills of health issued to 6 vessels in good sanitary condition.

No quarantinable diseases reported this week for the port or island.

There are 12 cases of beriberi on Pelican Island, the quarantine station, removed this week from the general hospital. These cases are from the crews of the Brazilian squadron, which was at this port last week, and were removed to the quarantine station to make room in the hospital for local patients, as may be required. The case of smallpox from Funchal, which was convalescing upon arrival here, reported August 10, was discharged August 16 by the port physician. There is now no quarantinable case on the island.

Report from Castries, St. Lucia Island—Sanitary conditions good.

Acting Assistant Surgeon Maylie reports, August 19:

Week ended August 17, 1907. Sanitary condition of this port and vicinity good; no quarantinable diseases exist.

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

AUSTRALIA—*New South Wales—New Castle.*—Month of June, 1907. Estimated population, 51,360. Total number of deaths, 41, including enteric fever 2, measles 1, whooping cough 1, and 7 from tuberculosis.

Sydney.—Month of June, 1907. Estimated population, 538,800. Total number of deaths, 496, including diphtheria 7, enteric fever 2, measles 3, whooping cough 35, and 35 from tuberculosis.

Queensland—Brisbane.—Month of June, 1907. Estimated population, 132,468. Total number of deaths, 99, including diphtheria 2, whooping cough 4, and tuberculosis 4.

BRAZIL—*Ceara*.—Month of July, 1907. Estimated population, 50,000. Total number of deaths, 103, including diphtheria 3, and 14 from whooping cough.

São Paulo, Santos, and Campinas.—Week ended July 21, 1907. Estimated population, 300,000. Total number of deaths, 161, including leprosy 2, measles 4, and 11 from tuberculosis.

COSTA RICA—*San Jose*.—Month of July, 1907. Estimated population, 25,525. Total number of deaths, 68, including enteric fever 1, and 6 from tuberculosis.

CUBA—*Habana*.—Month of July, 1907. Estimated population, 280,000. Total number of deaths, 676, including diphtheria 5, enteric fever 7, measles 8, whooping cough 4, leprosy 1, and 109 from tuberculosis.

FRANCE—*Nice*.—Month of July, 1907. Estimated population, 150,881. Total number of deaths, 180, including enteric fever 1, diphtheria 1, and 29 from tuberculosis.

St. Etienne.—Two weeks ended July 31, 1907. Estimated population, 150,000. Total number of deaths, 111, including measles 2, and 15 from tuberculosis.

GIBRALTAR.—Two weeks ended August 18, 1907. Estimated population, 27,385. Total number of deaths, 14, including 1 from enteric fever.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 76 great towns in England and Wales during the week ended August 17, 1907, correspond to an annual rate of 11.8 per 1,000 of population, which is estimated at 16,024,458.

London.—One thousand and ninety-three deaths were registered during the week, including measles 43, scarlet fever 8, enteric fever 6, diphtheria 19, whooping cough 29, tuberculosis 143, and 23 from diarrhea. The deaths from all causes correspond to an annual rate of 12.0 per 1,000. In Greater London 1,480 deaths were registered. In the "outer ring" the deaths included 3 from measles, 1 from diphtheria, and 7 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended August 17, 1907, in the 21 principal town districts of Ireland was 15.3 per 1,000 of the population, which is estimated at 1,117,547. The lowest rate was recorded in Lisburn, viz, 4.5, and the highest in Armagh, viz, 27.5, per 1,000. In Dublin and suburbs 145 deaths were registered, including enteric fever 1, measles 7, whooping cough 3, and 26 from tuberculosis.

Scotland.—The deaths registered in 8 principal towns during the week ended August 17, 1907, correspond to an annual rate of 12.6 per 1,000 of the population, which is estimated at 1,812,171. The highest rate of mortality was recorded in Perth, viz, 19.5, and the lowest in

Leith, viz, 8.7 per 1,000. The aggregate number of deaths registered from all causes was 436, including measles 4, scarlet fever 1, diphtheria 1, enteric fever 3, and 18 from whooping cough.

ITALY—*Genoa*.—Month of July, 1907. Estimated population, 273,011. Total number of deaths, 419, including measles 2, enteric fever 2, diphtheria 1, and 50 from tuberculosis.

MALTA.—Two weeks ended August 10, 1907. Estimated population, 206,689. Total number of deaths, 241, including diphtheria 2 and enteric fever 4.

NEW ZEALAND—*Auckland*.—Month of June, 1907. Estimated population, 86,000. Total number of deaths reported 68, including diphtheria 1, enteric fever 1, measles 9, plague 1, whooping cough 7, and 6 from tuberculosis.

RUSSIA—*Riga*.—Month of May, 1907. Estimated population, 320,000. Total number of deaths, 645, including diphtheria 4, enteric fever 6, measles 30, scarlet fever 25, smallpox 16, whooping cough 5, and 84 from tuberculosis.

SWITZERLAND.—Week ended August 10, 1907. Reports from 18 cities, having an aggregate population of 867,056, show as follows: Total number of deaths, 218, including measles 3, enteric fever 2, whooping cough 2, and 29 from tuberculosis.

TURKEY—*Smyrna*.—Two weeks ended May 30, 1907. Estimated population, 400,000. Total number of deaths, 184, including diphtheria 1, scarlet fever 2, smallpox 7, and 41 from lung diseases.

WEST INDIES—*St. Christopher*.—Two weeks ended August 10, 1907. Estimated population, 49,289. Total number of deaths, 51, including 2 from tuberculosis.

St. Thomas.—Two weeks ended August 9, 1907. Estimated population, 11,012. Total number of deaths, 13, including 1 from tuberculosis.

Cholera, yellow fever, plague, and smallpox from June 28 to September 13, 1907.

[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 28, 1906, to June 28, 1907, see PUBLIC HEALTH REPORTS for June 28, 1907.]

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

CHOLERA.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|----------------------------|---------------------|--------|---------|-------------------------------------|
| Ceylon—Point de Galle..... | June 16-22..... | ..... | 2 | |
| China: | | | | |
| Amoy..... | June 30-July 6..... | ..... |  | Kulansu, 8 deaths daily, estimated. |
| Shanghai..... | Aug. 11..... | ..... |  | Epidemic. |
| Tientsin..... | Aug. 15..... | ..... |  | Do. |
| India..... | | | | Burma Province, 1906, 7,872 deaths. |
| Bombay..... | May 29-Aug. 6..... | ..... | 83 | |
| Calcutta..... | May 12-July 27..... | ..... | 433 | |
| Cochin..... | May 4-July 19..... | ..... | 65 | |

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

CHOLERA—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|------------------------------|----------------------|--------|---------|--|
| India—Continued. | | | | |
| Kashmir | May 11-July 9 | 10,555 | 6,563 | From Nov. 1 to June 29, 16,675 cases and 9,705 deaths. |
| Madras | July 6-Aug. 2 | | 8 | |
| Moulmine | May 5-11 | | 1 | |
| Rangoon | May 12-July 20 | | 16 | |
| Japan: | | | | |
| Moji | Aug. 20 | 26 | | |
| Yokohama | July 28-Aug. 3 | 5 | 3 | From ss. Yamashiro. |
| Philippine Islands: | | | | |
| Manila | July 14-20 | 2 | 2 | |
| Provinces | | | | Report of the bureau of health, Philippine Islands, first quarter of the calendar year 1907 gives a grand total of 235 cases and 148 deaths. |
| Russia: | | | | |
| Black Sea ports | Aug. 14 | | | Present. |
| Astrachan | July 14 | | | Do. |
| Samara, govt. district | July 16-Aug. 4 | 50 | 10 | |
| Samara | July 14-Aug. 4 | 35 | 10 | |
| Saratov | July 16-Aug. 5 | | | Do. |
| Stavropol | July 28-Aug. 5 | 3 | | |
| Straits Settlements: | | | | |
| Singapore | June 9-July 13 | | 7 | |

YELLOW FEVER.

| | | | | |
|------------------------------|-----------------------|----|----|---|
| Brazil: | | | | |
| Manaos | May 25-July 20 | | 6 | |
| Para | June 9-Aug. 17 | 28 | 23 | |
| Rio de Janeiro | May 13-Aug. 4 | 16 | 12 | |
| Colombia: | | | | |
| Barranquilla | May 21-27 | | 1 | |
| Cuba: | | | | |
| Habana Province— | | | | |
| Campo Florida | Aug. 28 | 1 | | Case June 25 from Union de Reyes. |
| Habana | June 25-Aug. 30 | 21 | | |
| San Nicolas | July 22-Aug. 14 | 3 | 1 | |
| Matanzas Province— | | | | |
| Alacranes | Aug. 17-26 | 3 | | |
| Matanzas | Aug. 4-19 | 3 | 2 | From Mocha. |
| Santa Clara Province— | | | | |
| Cienfuegos | Aug. 3-Sept. 10 | 39 | 10 | 9 cases among troops. |
| Santiago Province— | | | | |
| Santiago | July 5-11 | 1 | | From ss. Puerto Rico. Origin, Union de Reyes. |
| Ecuador: | | | | |
| Guayaquil | May 26-Aug. 10 | | 6 | |
| Guatemala: | | | | |
| Puerto Barrios | June 27 | 1 | | |
| Mexico: | | | | |
| Manzanillo | Aug. 17 | 1 | | On ss. San Juan. |
| Veracruz | Sept. 5 | 1 | | |
| Panama: | | | | |
| Ancon | July 4 | 1 | | From ss. Sidney. |
| West Indies: | | | | |
| Barbados—Bridgetown | Aug. 4-10 | 1 | | Imported on ss. Atrato from Trinidad. |
| Trinidad—Port of Spain | June 1-July 31 | 14 | 3 | |

PLAGUE.

| | | | | |
|-------------------------------------|---------------------|---|---|---|
| Africa: | | | | |
| Cape Colony—King Williamstown | May 24-July 6 | 6 | | From Apr. 22 to June 22, 8 cases and 2 deaths. |
| Arabia: | | | | |
| Djeddah | May 30 | 1 | 1 | From Jan. 1 to May 30, 366 cases and 354 deaths, native population; May 23, 8 cases on ss. Moshtari occurred on voyage from Bahrain Islands and Bassorah. |
| Argentina: | | | | |
| Cordova | June 4 | | | Present. |

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

PLAGUE—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|--|--------------------|---------|---------|---|
| Australia..... | | | | At Port Douglas, 10 cases and 2 deaths from January to June are stated "Bacteriologically confirmed." See previous reports. |
| Brisbane..... | May 20-July 25... | 7 | 5 | |
| Melbourne..... | May 17-21..... | 1 | 1 | From ss. Arawatta. |
| Sydney..... | May 11-June 1.... | 2 | 2 | |
| Brazil: | | | | |
| Bahia..... | June 2-8..... | 1 | 1 | |
| Rio de Janeiro..... | May 13-Aug. 4.... | 24 | 5 | |
| Pernambuco..... | June 1-30..... | | 3 | |
| Chile: | | | | |
| Antofagasta..... | May 11-July 18... | 72 | 25 | |
| Arica..... | July 2-20..... | 11 | | |
| Pisagua..... | June 4-July 21.... | | | Present. |
| China: | | | | |
| Amoy..... | July 14-20..... | 1 | 1 | Amoy, July 26. Epidemic. Kulangsu (native city), 20 deaths daily, estimated, from June 23-July 27. |
| Foo-Choo..... | July 27..... | | | Present. |
| Hongkong..... | May 5-July 6.... | 116 | 103 | |
| Macao..... | May 1-31..... | | | Do. |
| Swatow..... | June 1-15..... | | | Do. |
| Egypt: | | | | |
| Alexandria..... | June 4-Aug. 13... | 70 | 40 | |
| Port Said..... | June 21-Aug. 10... | 8 | 6 | |
| Provinces— | | | | |
| Assiout..... | June 6-28..... | 20 | 16 | |
| Behera..... | June 3-Aug. 13... | 42 | 28 | |
| Beni Souef..... | June 6-July 23.... | 15 | 7 | |
| Garbieh..... | May 20-June 5.... | 1 | 1 | |
| Kena..... | June 7-July 23.... | 34 | 35 | |
| Mimch..... | June 6-July 27.... | 10 | 4 | |
| French Indo-China: | | | | |
| Cholon..... | May 10..... | | | Do. |
| Salgon..... | June 23-July 18... | 25 | 25 | Present from May 21 to July 4. |
| Hawaii: | | | | |
| Honolulu..... | July 22-24*..... | 3 | 2 | |
| India: | | | | |
| Bombay Presidency and Sind..... | Apr. 23-June 29... | 8,446 | 6,308 | |
| Madras Presidency..... | Apr. 23-June 29... | 92 | 65 | |
| Bengal..... | Apr. 23-June 29... | 9,688 | 9,177 | |
| United Provinces..... | Apr. 23-June 29... | 70,392 | 63,253 | |
| Punjab..... | Apr. 23-June 29... | 326,352 | 294,454 | |
| Burma..... | Apr. 23-June 29... | 1,175 | 1,097 | |
| Eastern Bengal and Assam..... | Apr. 23-June 29... | 1 | 2 | |
| Central provinces, including Berar..... | Apr. 23-June 29... | 2,309 | 1,825 | |
| Mysore State..... | Apr. 23-June 29... | 933 | 633 | |
| Hyderabad State..... | Apr. 23-June 29... | 45 | 35 | |
| Central India..... | Apr. 23-June 29... | 357 | 248 | |
| Rajputana..... | Apr. 23-June 29... | 2,573 | 1,845 | |
| Kashmir..... | Apr. 23-June 29... | 1,336 | 786 | |
| Northwest frontier province..... | Apr. 23-June 29... | 1,410 | 1,129 | |
| Baluchistan..... | Apr. 23-June 29... | 4 | 1 | |
| Bahrain Island, in the Persian Gulf..... | Apr. 21-June 29... | 1,692 | 1,689 | |
| Grand total..... | | 426,805 | 382,547 | |
| Japan: | | | | |
| Formosa..... | May 19-July 27... | 1,049 | 905 | |
| Hodagaya..... | July 6-Aug. 3.... | | 3 | Suburb of Yokohama. |
| Saseho..... | Aug. 3..... | | | Present. |
| Tokyo..... | July 6..... | 2 | 1 | |
| Yokohama..... | May 22-July 15... | 12 | 12 | |
| Yokosuka..... | July 7-13..... | 1 | | |
| Madagascar: | | | | |
| Majunga..... | Aug. 26..... | | | Do. |
| Mauritius..... | June 21-July 6.... | 3 | 3 | |
| New Zealand: | | | | |
| Auckland..... | May 12-June 30... | 3 | 3 | |

* Case No. 3, reported July 19, proved not to be plague.

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

PLAGUE—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|-------------------------------|----------------------|--------|---------|---|
| Persia: | | | | |
| Bushire | June 9-15 | | | Present. |
| Mohammerah | Aug. 1 | | | Do. |
| Peru: | | | | |
| Callao | May 16-Aug. 7 | 11 | 4 | 1 case from Ferrenafe and 5 cases from Pomaica. |
| Chiclayo | May 16-July 3 | 10 | 6 | |
| Chosica | July 25-31 | 1 | | |
| Ferrenafe | July 18-24 | 1 | | |
| Lambayeque | May 16-30 | 1 | | |
| Lima | May 16-July 31 | 21 | 11 | |
| Mollendo | May 16-July 17 | 10 | 5 | |
| Paíta City | May 16-July 17 | 5 | 6 | |
| Plura | July 25-Aug. 7 | 5 | 1 | |
| Querecotillo | July 25-31 | 1 | | |
| Trujillo | May 16-Aug. 7 | 75 | 37 | 18 cases from Cuesta; June 26 present in Menochuco. |
| Russia: | | | | |
| Arkhiereiskaya district | June 20 | 3 | | Vicinity of Astrakhan. |
| Odessa | July 10-14 | 1 | 1 | On ss. Tsesarvitch. |
| Straits Settlements: | | | | |
| Singapore | May 12-July 6 | | 4 | |
| Turkey in Asia: | | | | |
| Bagdad | June 10 | | | Present. |
| Bassorah | June 8 | | | Do. |
| Zanzibar | July 2-8 | 2 | 2 | |

SMALLPOX.

| | | | | |
|-------------------------|-----------------------|----|-----|--|
| Africa: | | | | |
| Algeria— | | | | |
| Algiers | June 1-July 31 | | 13 | Imported. |
| Cape Colony— | | | | |
| East London | June 30-July 6 | 1 | | |
| Portuguese East Africa— | | | | |
| Lourenço Marquez | Apr. 1-May 31 | 7 | | |
| Argentina: | | | | |
| Buenos Aires | May 1-31 | | 7 | |
| Rosario | May 1-June 30 | | 38 | |
| Australia: | | | | |
| New South Wales— | | | | |
| Newcastle | May 1-June 30 | 2 | | |
| Austria: | | | | |
| Gallcia | May 26-Aug. 3 | 16 | | |
| Sllesia | June 18-22 | 1 | | |
| Trappan district | Aug. 6-13 | 1 | | |
| Trieste | May 26-Aug. 3 | 4 | 1 | |
| Vienna | June 23-Aug. 10 | 8 | 2 | |
| Brazil: | | | | |
| Bahia | June 1-Aug. 10 | 63 | 2 | |
| Manaos | July 21-27 | | 4 | |
| Para | June 9-Aug. 17 | 90 | 38 | |
| Pernambuco | Apr. 15-June 30 | | 354 | |
| Rio de Janeiro | May 20-Aug. 4 | 33 | 10 | |
| Santos | June 1-30 | 1 | 1 | |
| Canada: | | | | |
| British Columbia— | | | | |
| Vancouver | June 1-30 | 1 | | |
| Manitoba— | | | | |
| Winnipeg | July 7-27 | 4 | | |
| Nova Scotia— | | | | |
| Halifax | June 16-Aug. 24 | 23 | | |
| Quebec— | | | | |
| Sherbrooke | June 1-30 | 2 | | |
| Chile: | | | | |
| Iquique | May 17-July 21 | | | Present. |
| China: | | | | |
| Chefoo | July 14-27 | 2 | | Case July 20 from ss. Penn sylvania. |
| Foochow | June 26-30 | 1 | | On China, merchant ss. |
| Hankau | May 27-June 15 | 5 | | |
| Hongkong | May 6-July 6 | 50 | 38 | |
| Kulangsu | June 1-22 | | | Present. |
| Niuchwang | May 6-18 | 3 | | |
| Shanghai | May 12-July 28 | 27 | 361 | Cases foreign, deaths native. May 25, 4 cases on U. S. cruiser Wilmington. |
| Tientsin | May 19-June 8 | 4 | 2 | June 22, present among natives |

* Report for June 22 not yet received.

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

SMALLPOX—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|----------------------------|-----------------------|--------|---------|--|
| Colombia: | | | | |
| Barranquilla | May 1-July 21 | | | Present. Do. |
| Cartagena | Aug. 3-11 | | | |
| Ecuador: | | | | |
| Guayaquil | May 26-July 27 | | 7 | |
| Egypt: | | | | |
| General | Apr. 9-May 6 | 245 | 73 | |
| Cairo | May 21-July 22 | 11 | 6 | |
| France: | | | | |
| Cannes | May 1-31 | 9 | 2 | |
| Lyon | June 5-11 | | 1 | |
| Marseille | June 1-July 31 | | 227 | |
| Nice | May 1-31 | 1 | 1 | |
| Paris | June 2-Aug. 25 | 80 | 20 | |
| Germany: | | | | |
| General | June 2-July 27 | 27 | | |
| Bremen | May 5-11 | 2 | | |
| Königsberg | June 9-July 6 | 2 | | |
| Great Britain: | | | | |
| London | Aug. 4-10 | 1 | | |
| Liverpool | June 30-July 6 | 1 | | |
| Manchester | June 16-22 | 1 | | |
| Southampton | June 2-8 | 2 | | |
| Sunderland | July 21-27 | 1 | | |
| Greece: | | | | |
| Piræus | June 16-Aug. 17 | 3 | | |
| Hawaii: | | | | |
| Honolulu | June 28 | 8 | 3 | On ss. Kumeric. |
| India: | | | | |
| Bombay | May 12-Aug. 6 | | 14 | |
| Calcutta | May 12-July 20 | | 163 | |
| Madras | June 1-Aug. 2 | | 6 | |
| Rangoon | June 9-July 6 | | 5 | |
| Italy: | | | | |
| General | June 7-Aug. 19 | 190 | | |
| Genoa | June 1-July 31 | 8 | | |
| Florence | June 17-30 | 3 | | |
| Naples | June 14-Aug. 17 | 4 | 2 | 2 cases June 13 to 22 from ss. Perugia. |
| Turin | June 17-Aug. 11 | 5 | 1 | |
| Venice | June 30-July 6 | | 1 | |
| Japan: | | | | |
| Formosa | June 16-22 | 1 | | |
| Yokohama | June 18-July 12 | 2 | | Case July 12 on ss. Mongolia. |
| Java: | | | | |
| Batavia | May 12-July 27 | 31 | 2 | |
| Korea: | | | | |
| Seoul | May 25-June 30 | | | Present. |
| Luxemburg: | | | | |
| ..... | June 22-July 6 | 1 | | |
| Madeira: | | | | |
| Funchal | June 10-Aug. 25 | 359 | 61 | |
| Manchuria: | | | | |
| Dalny | May 19-July 27 | 21 | 2 | |
| Mexico: | | | | |
| Aguaascalientes— | | | | |
| Aguaascalientes | June 16-Aug. 24 | | 62 | |
| Federal District— | | | | |
| Mexico City | May 19-Aug. 3 | | 73 | |
| Nueva Leon— | | | | |
| Monterey | June 17-Aug. 8 | | 4 | |
| Yucatan— | | | | |
| Payo Obispo | July 17 | | | Do. |
| Netherlands: | | | | |
| General | May 19-21 | 1 | | |
| Panama: | | | | |
| Colon | June 30-July 12 | 4 | | 1 case June 30 from ss. La Normandie from St. Nazaire. |
| Philippine Islands: | | | | |
| Manila | May 26-June 15 | 6 | | |
| Portugal: | | | | |
| Lisbon | June 2-Aug. 17 | 66 | | |
| Russia: | | | | |
| Batoum | May 1-June 30 | 3 | | |
| Libau | June 17-July 13 | 3 | | |
| Moscow | May 26-Aug. 10 | 52 | 12 | |
| Odessa | June 2-Aug. 3 | 15 | 4 | |
| Riga | June 2-Aug. 3 | 46 | 40 | |
| St. Petersburg | May 11-Aug. 3 | 53 | 8 | |
| Warsaw | July 14-Aug. 3 | | 11 | |

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

SMALLPOX—Continued.

| Place. | Date. | Cases. | Deaths. | Remarks. |
|-----------------------------|---------------------|--------|---------|-----------------------------|
| Siberia: | | | | |
| Vladivostok..... | May 15-July 5.... | 5 | | |
| Spain: | | | | |
| Almeria..... | May 1-July 31..... | | 20 | |
| Barcelona..... | June 2-Aug. 27..... | | 21 | |
| Cadiz..... | May 1-July 31..... | | 16 | |
| Huelva..... | May 1-31..... | | 1 | |
| Madrid..... | May 1-June 30..... | 7 | | |
| Malaga..... | June 1-July 31..... | | 10 | |
| Seville..... | May 1-July 31..... | | 29 | |
| Valencia..... | June 10-Aug. 25.... | 162 | 18 | |
| Straits Settlements: | | | | |
| Penang..... | May 19-July 13.... | 2 | 1 | |
| Singapore..... | May 26-June 1..... | | 1 | |
| Switzerland: | | | | |
| General..... | May 15-June 29.... | 6 | | |
| Turkey: | | | | |
| Constantinople..... | June 17-Aug. 18.... | | 13 | |
| Turkey in Asia: | | | | |
| Bagdad..... | May 19-Aug. 3..... | | | Present. |
| Bassorah..... | June 23-July 27.... | | | Do. |
| Damascus..... | Apr. 7-June 22..... | | | Do. |
| Smyrna..... | Apr. 16-May 30..... | | 17 | |
| West Indies: | | | | |
| Barbados— | | | | |
| Bridgetown..... | August 4-10..... | 1 | | On ss. Statia from Funchal. |

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. |
| Aberdeen..... | Aug. 17 | 174,579 | 41 | | | | | | | | | | 1 |
| Aden..... | Aug. 13 | 43,974 | 18 | 1 | | | | | | | | | |
| Agua Calientes..... | Aug. 24 | 40,000 | 80 | 4 | | | | 2 | | | | | |
| Aix-la-Chapelle..... | Aug. 10 | 155,999 | 70 | 1 | | | | | | | | 1 | 1 |
| Alexandretta..... | do..... | 15,000 | 6 | | | | | | | | | | |
| Athens..... | Aug. 17 | 200,000 | 12 | | | | | | 8 | | 1 | | 2 |
| Baracos..... | Aug. 24 | 25,000 | 3 | | | | | | | 1 | | | |
| Barmen..... | Aug. 17 | 159,300 | 36 | 3 | | | | | | 2 | | 1 | |
| Barranquilla..... | do..... | 40,000 | 17 | 1 | | | | | | 2 | | | |
| Basel..... | do..... | 130,000 | 27 | 5 | | | | | | 1 | | | |
| Belfast..... | do..... | 360,173 | 101 | 20 | | | | | | 1 | | 2 | 2 |
| Belize..... | Aug. 29 | 9,113 | 3 | | | | | | | | | | |
| Berlin..... | Aug. 10 | 2,091,375 | 586 | 107 | | | | | | 6 | 3 | 4 | 8 |
| Bluefields..... | do..... | 2,500 | 2 | | | | | | | | | | |
| Do..... | Aug. 17 | 2,500 | 2 | | | | | | | | | | |
| Bombay..... | July 30 | 977,822 | 618 | 51 | 15 | 26 | | 1 | | | | 1 | |
| Do..... | Aug. 6 | 977,822 | 685 | 52 | 9 | 43 | | 2 | | 2 | | 2 | |
| Bordeaux..... | Aug. 17 | 253,000 | 84 | 14 | | | | | | | 1 | | 1 |
| Breslau..... | Aug. 10 | 335,186 | 232 | 33 | | | | | | 1 | 2 | 1 | 8 |
| Brussels..... | Aug. 17 | 623,202 | 127 | 13 | | | | | | | 1 | | 2 |
| Budapest..... | Aug. 10 | 804,000 | | | | | | | 5 | 1 | 4 | 2 | |
| Cairo..... | July 29 | 671,344 | 748 | 32 | | | | | 5 | 6 | | 2 | |
| Do..... | Aug. 5 | 671,344 | 771 | 37 | | | | | 12 | 6 | | 9 | 38 |
| Cartagena, Colombia..... | Aug. 18 | 30,000 | 12 | 1 | | | | | | | | | |
| Catania..... | Aug. 22 | 160,000 | 59 | 3 | | | | 1 | 10 | | | | |
| Chemnitz..... | Aug. 17 | 263,200 | 100 | 7 | | | | | | 1 | 2 | | |
| Christiania..... | do..... | 229,000 | 56 | | | | | | | | | | 1 |
| Cienfuegos..... | Aug. 24 | 37,000 | 22 | | | | 1 | | | 1 | | | |
| Coburg..... | Aug. 17 | 22,931 | 6 | | | | | | | | 1 | 1 | |
| Cognac..... | do..... | 19,483 | 5 | | | | | | | | | | |
| Cologne..... | Aug. 10 | 451,372 | 207 | 13 | | | | | | | | | 2 |
| Do..... | Aug. 17 | 451,372 | 182 | 8 | | | | | | | 1 | | |
| Colombo..... | July 20 | 173,254 | 106 | 10 | | | | | | 9 | | | |
| Colon..... | Aug. 17 | 12,500 | 14 | | | | | | | 1 | | | |
| Copenhagen..... | do..... | 430,000 | 105 | 9 | | | | | | | | 1 | 2 |
| Crefeld..... | do..... | 111,954 | 35 | 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. |
| Dalny | Aug. 3 | 26,322 | 5 | | | | | | | | | | | |
| Denia | Aug. 17 | 12,431 | 6 | 1 | | | | | | | | | | |
| Dresden | do | 530,400 | 149 | 19 | | | | | 1 | | | | | |
| Dublin | do | 390,691 | 145 | 26 | | | | | 1 | | | 2 | 3 | 1 |
| Durban | July 27 | 68,800 | 21 | 6 | | | | | | | | | 7 | 3 |
| Edinburgh | Aug. 17 | 345,747 | 77 | | | | | | | | | 1 | 1 | 4 |
| Frankfort on the Main | do | 350,000 | 95 | | | | | | | | | 1 | 1 | 1 |
| Funchal | Aug. 18 | 44,049 | 35 | | | | | 2 | | | | | 2 | |
| Glasgow | Aug. 23 | 847,584 | 208 | | | | | | 2 | | | | 2 | 10 |
| Gothenburg | Aug. 17 | 155,700 | 33 | 7 | | | | | | | | 2 | | |
| Greenock | do | 71,269 | 16 | | | | | | | | | | | 1 |
| Hamburg | do | 824,792 | 166 | 20 | | | | | | | 1 | 1 | | 3 |
| Hamilton, Bermuda | Aug. 27 | 20,206 | 5 | | | | | | | | | | | |
| Havre | Aug. 10 | 132,430 | 53 | 4 | | | | | | | 2 | | | |
| Do | Aug. 17 | 132,430 | 71 | 11 | | | | | 3 | | | | | |
| Hull | do | 266,762 | 71 | | | | | | | | | 1 | | 4 |
| Jalapa | Aug. 23 | 22,000 | 23 | 1 | | | | | | | | | | |
| Kobe | July 13 | 345,952 | 123 | | | | | | | | | | | |
| Do | July 20 | 345,952 | 148 | | | | | | | 1 | | 1 | | |
| Do | July 27 | 345,952 | 164 | | | | | | | 1 | | | | |
| Königsberg | Aug. 17 | 229,300 | 87 | 7 | | | | | | | 7 | 1 | | |
| La Rochelle | Aug. 18 | 31,553 | 7 | | | | | | 1 | | | | | |
| Lausanne | Aug. 3 | 54,500 | 13 | | | | | | | | | | | |
| Leipzig | Aug. 17 | 518,682 | 156 | 15 | | | | | | | 1 | | 2 | 3 |
| Leith | do | 83,668 | 14 | | | | | | | | | | | 2 |
| Liege | Aug. 10 | 172,815 | 42 | 2 | | | | | | | | | 3 | 1 |
| Lubeck | Aug. 17 | 93,900 | 18 | | | | | | | 2 | | | | |
| Madras | Aug. 2 | 509,346 | 395 | | | 5 | | 1 | | | | | 1 | 1 |
| Magdeburg | Aug. 10 | 244,797 | 102 | 6 | | | | | | 5 | | | 1 | 1 |
| Mainz | Aug. 17 | 99,572 | 36 | 8 | | | | | | 1 | | | | 1 |
| Do | Aug. 24 | 99,572 | 27 | 4 | | | | | | | | | | |
| Manchester | Aug. 17 | 631,533 | 188 | 21 | | | | | | 1 | | 3 | 4 | |
| Mannheim | Aug. 7 | 173,388 | 93 | 12 | | | | | | 2 | | 4 | 3 | |
| Manzanillo | Aug. 24 | 1,740 | 1 | | | | | | | | | | | |
| Mazatlan | Aug. 17 | 21,000 | 15 | | | | | | | | | | | |
| Messina | do | 107,000 | 26 | 2 | | | | | 1 | | | | | |
| Monterey | Aug. 25 | 100,000 | 54 | 3 | | | | | | | | | | |
| Montreal | Aug. 24 | 360,000 | 141 | 9 | | | | | 3 | | | | | 2 |
| Moscow | Aug. 10 | 1,335,104 | 746 | 50 | | | | | | 3 | 2 | 6 | 4 | |
| Munich | do | 548,000 | 191 | 28 | | | | | 2 | | | | 4 | |
| Nagasaki | Aug. 3 | 168,436 | 44 | | | | | | 1 | | | | | |
| Nantes | Aug. 18 | 132,990 | 38 | 12 | | | | | 1 | | | | | |
| Naples | Aug. 17 | 593,729 | 223 | 13 | | | 1 | 1 | 1 | | | 3 | | |
| Newcastle on Tyne | do | 264,511 | 64 | | | | | | 1 | | | | | 7 |
| Nuremberg | Aug. 10 | 307,000 | 110 | 8 | | | | | | 1 | | | | |
| Odessa | do | 455,000 | 219 | 20 | | | | | | 6 | 3 | 1 | 1 | |
| Palermo | do | 330,000 | 119 | 3 | | | | | | 3 | | | | |
| Para | Aug. 3 | 185,000 | 81 | 7 | | | 2 | 8 | | | | | | |
| Do | Aug. 10 | 185,000 | 63 | 6 | | | 4 | 2 | | | | | | |
| Do | Aug. 17 | 185,000 | 57 | 6 | | | 2 | 4 | | | | | | |
| Paris | do | 2,776,394 | 778 | 157 | | | | | | 3 | 7 | 4 | 6 | 6 |
| Patras | Aug. 10 | 40,000 | 26 | 2 | | | | | | 3 | | | 1 | |
| Do | Aug. 17 | 40,000 | 18 | | | | | | | 4 | | | | |
| Piræus | do | 70,000 | 45 | 5 | | | | | 3 | 11 | | 1 | | |
| Port Elizabeth | Aug. 3 | 32,959 | 9 | 3 | | | | | | | | | | |
| Prague | Aug. 17 | 227,520 | 107 | 21 | | | | | | | 1 | 1 | | 1 |
| Pretoria | July 27 | 36,839 | 8 | | | | | | | | | | | |
| Rangoon | do | 252,155 | 216 | 13 | 59 | 2 | | | | | | | | |
| Rhems | Aug. 18 | 109,859 | 49 | | | | | | | | | | | |
| Rio de Janeiro | Aug. 4 | 628,675 | 263 | 55 | 1 | | 1 | 1 | | 1 | | 1 | 1 | 1 |
| Rouen | Aug. 10 | 118,459 | 57 | 8 | | | | | | | | | | 1 |
| Do | Aug. 17 | 118,459 | 55 | 5 | | | | | | | | | | |
| Sagua la Grande | Aug. 24 | 22,634 | 8 | | | | | | | | | | | |
| St. John, N. B. | do | 40,789 | 14 | 1 | | | | | | | | | | |
| Do | Aug. 31 | 40,789 | 14 | | | | | | | | | | | |
| St. Johns, N. F. | Aug. 24 | 30,000 | | | | | | | | | | | | |
| St. Petersburg | Aug. 10 | 1,500,000 | 718 | 85 | | | | | | 35 | 17 | 17 | 20 | 7 |
| St. Stephen, N. B. | Aug. 31 | 2,840 | 1 | | | | | | | | | | | |
| Salford | Aug. 17 | 236,670 | 47 | 6 | | | | | | | | 1 | 2 | |
| San Feliu de Guixols | do | 11,094 | 5 | 1 | | | | | | 2 | | | | |
| San Pedro | Aug. 24 | 7,000 | 5 | | | | | | | 1 | | | | 1 |
| Santa Cruz de Teneriffe | Aug. 10 | 46,000 | 8 | 1 | | | | | 1 | | | | | |
| Santander | Aug. 18 | 53,574 | 37 | | | | | | | | | | | |
| Schiedam | Aug. 17 | 30,030 | 8 | 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. |
| South Shields..... | Aug. 10 | 113,460 | 24 | 6 | | | | | | | | | |
| Stettin..... | Aug. 17 | 255,000 | 86 | 5 | | | | | | | | 1 | |
| Stuttgart..... | Aug. 22 | 261,000 | 107 | 8 | | | | | | | 1 | 2 | 1 |
| Sunderland..... | Aug. 17 | 155,859 | 37 | 2 | | | | | | | 2 | | |
| Tampico..... | Aug. 25 | 20,000 | 15 | 2 | | | | | | | | | |
| Tegucigalpa..... | Aug. 14 | 24,000 | 16 | | | | | | | | | | |
| Do..... | Aug. 21 | 24,000 | 9 | | | | | | | | | | |
| Trieste..... | Aug. 17 | 200,962 | 100 | | | | | | | | | | |
| Turin..... | Aug. 11 | 367,685 | 114 | 13 | | | | | | 3 | | | 1 |
| Tuxpam..... | Aug. 13 | 13,000 | 6 | | | | | | | | | | |
| Valencia..... | Aug. 18 | 250,000 | 92 | 6 | | | | 4 | | | 3 | 1 | |
| Venice..... | Aug. 10 | 174,398 | 71 | 6 | | | | | | | 1 | | 1 |
| Veracruz..... | Aug. 17 | 32,000 | 25 | 6 | | | | | | | | | |
| Do..... | Aug. 24 | 32,000 | 25 | 8 | | | | | | | | | |
| Victoria, B. C..... | Aug. 17 | 25,000 | 8 | 2 | | | | | | | | 1 | |
| Do..... | Aug. 24 | 25,000 | 4 | 1 | | | | | | | | | |
| Vienna..... | Aug. 10 | 1,979,003 | 592 | 105 | | | | 1 | | | 2 | 3 | 4 |
| Do..... | Aug. 17 | 1,979,003 | 581 | 75 | | | | | | 1 | 1 | 5 | 5 |
| Vigo..... | do | 36,000 | 15 | 1 | | | | | | 2 | | | |
| Warsaw..... | Aug. 3 | 764,611 | 265 | 33 | | | | 4 | | 1 | 4 | 5 | 2 |
| West Hartlepool..... | Aug. 17 | 66,750 | 14 | | | | | | | | | | |
| Windsor, N. S..... | Aug. 31 | 4,500 | 1 | | | | | | | | | | |
| Winnipeg..... | Aug. 24 | 111,000 | 18 | 1 | | | | | | 1 | | | |

^a Received out of regular order.

By authority of the Secretary of the Treasury:

WALTER WYMAN,

Surgeon-General,

United States Public Health and Marine-Hospital Service.