

# PUBLIC HEALTH REPORTS.

VOL. XXVI.

DECEMBER 15, 1911.

No. 50.

## THE CHOLERA SITUATION.

The number of cases of cholera being reported in Italy and Russia continues to decrease. According to last advices a few cases were still being reported in Austria-Hungary. From October 15 to November 11, 22 cases of cholera were reported on the island of Malta, where the infection is supposed to have been carried by refugees from Tripoli. Nine cases of cholera have been reported at Antivari, the seaport of Montenegro. In Tunis the cities of Tunis and Beja were declared by the authorities to be free from cholera on November 3, and the city of Bizerte was so declared November 4. Outside of these cities, however, the disease continues present.

## PELLAGRA AS OBSERVED IN BARBADOS.

By P. G. SMITH, Acting Assistant Surgeon, Public Health and Marine-Hospital Service.

Upon visiting the out-patient department of the Barbados General Hospital, at Bridgetown, one is impressed with the large number of patients who come in for treatment, almost invariably giving the same history and presenting a most remarkable chain of symptoms.

These patients give a history of failure in appetite, falling off in weight, lassitude, slight vertigo, a burning sensation in the stomach, and in most instances diarrhea. This class of patients rarely improves under treatment, and within a few weeks or months they can be found in the hospital wards at the St. Michael's Almshouse. Later, when serious mental symptoms develop, it becomes necessary to admit them to the asylum for the insane, where they can be properly restrained.

Physical examination shows marked anemia, pulse increased and weak, and the temperature normal or slightly subnormal. The skin feels hard and dry and symmetrical pigmented patches are found scattered over the knuckles, backs of the hands, wrists, elbows, ankles, and on the fronts of the legs. These pigmented patches have a scaly, branlike appearance and sometimes can be brushed off, leaving an apparently healthy underskin, which rapidly becomes again pigmented. The lips are red and the gums somewhat spongy. The tongue is red and swollen, and along its edges may be seen a few pigmented spots, varying in size from a pin's head to a small pea, and in some places the tongue appears to be denuded of its epithelium. There may also be seen on the tongue and buccal mucous membrane, and on the roof of the mouth, numerous small vesicles filled with a clear serum which break and leave small, regular-shaped ulcers, giving the parts a peculiar appearance.

In a majority of the cases there is no specific history, no evidence of chronic heart lesion or pulmonary disease, and the genito-urinary system is quite normal.

Continuing the observation of these cases after admission to the institution, it seems that in a majority of them symptoms outlined above become exaggerated. The pigmentation becomes more marked and the whole alimentary tract becomes involved. There is a most profuse secretion of a thin, frothy saliva, sometimes blood-streaked, which dribbles from the mouth, the patient being unable to expectorate; vomiting of a cerebral type now sets in, the vomited material consisting of a pale, frothy fluid containing shreds of gastric mucous membrane. There is also a wasting diarrhea, pale and yeasty in character, extremely offensive, and accompanied by griping pains over the abdomen. A little later the bowel movements are passed involuntarily. Nervous and mental symptoms now begin to manifest themselves, restlessness, moving about in an excited manner, talking incoherently, which necessitates proper restraint. At this stage, in some cases, there appear on the palms of the hands and soles of the feet wine-colored splotches, upon which blebs form containing a clear serum, and at times becoming gangrenous.

Of the more than 40 cases observed in a period of five months, the following were selected as being typical, and in no instance was there a suspicion of specific history.

*Case 1.*—J. R., female, black, age about 60, laundress, stated that four or five months previous to admission she began to feel pains in the stomach and had two or three attacks of diarrhea, and dark spots appeared on the backs of her hands. Her appetite was poor and loss of weight marked.

Examination showed a most remarkable condition of pigmentation over the backs of the hands, with slight pigmentation over elbows and ankles. The mucous membrane of the mouth was red and injected; the tongue was large and coated, and presented a few pigmented spots along its edges, but no real ulceration observed. Complained constantly of a burning sensation over the region of the stomach, which was not increased after taking food. A copious diarrhea existed, the stools being of a pale, frothy, fermenting material with a most offensive odor.

*Case 2.*—A. B., female, black, age 26, domestic, stated that about three months previous to admission she had loss of appetite, pains in stomach, vomiting, sore mouth, and ulceration of tongue. At times also had headache and backache. Was unable to state just when pigmented spots first appeared on backs of hands.

Examination showed pulse weak and thready; temperature subnormal, gums soft and spongy, the tongue severely ulcerated along its edges, and buccal mucous membrane and lips red and injected and over their surfaces numerous blebs and small ulcers. There was profuse ptialism and characteristic diarrhea. The pigmentation was confined to the knuckles and left ankle. Respiratory and genito-urinary systems normal.

*Case 3.*—L. B., female, black, age 29, laborer, stated that about four months previous to admission she had vertigo and "bad sensations like faints" which were followed by a burning sensation in the stomach, sore mouth, and diarrhea. About three weeks later she noticed some black spots on the backs of her hands.

Examination showed pulse increased and temperature normal. Pigmented spots were seen on backs of hands and ankles, and very marked, with superficial ulceration, over right elbow. The tongue was large, coated, and indented by the teeth. The mucous membrane of the mouth was red and injected, and the lips presented some white cracks. Ptyalism and the characteristic diarrhea were present. The respiratory and genito-urinary systems were normal.

*Case 4.*—W. B., male, black, age 58, porter, admitted for the second time during the past 18 months, stated that the spots, which were most marked over the ankles and anterior surfaces of the legs, existed some months previous to his first admission, but grew worse when he commenced to have soreness in his stomach, vomiting, and diarrhea, which again made him seek admission for treatment.

Examination showed the pigmentation well marked over hands and slightly over elbows. The ankles and anterior surfaces of the legs showed this sign to best advantage. The mucous membranes of the mouth and tongue were red and injected, but no actual ulceration was observed. Diarrhea was present, and vomiting occasionally occurred. The temperature and pulse were normal. The respiratory and genito-urinary systems were normal.

*Case 5.*—W. S., male, black, age 54, laborer, stated that for more than six months previous to admission he had pains in his stomach, at times sore mouth and diarrhea, but not until within the last two months did he notice anything the matter with his hands or legs.

Examination showed pulse slightly increased, temperature normal, and pigmented patches on the backs of the hands, elbows, ankles, and anterior surfaces of the legs. Well-marked superficial ulceration was shown on the dorsum of the feet and above the ankles. The mucous membrane of the mouth was red and injected, and two very small ulcers were seen on the edge of the tongue. Diarrhea was present, but not in proportion to the other symptoms presented. The respiratory and genito-urinary systems were normal.

*Case 6.*—W. B. B., male, white, age 50, admitted for the second time, occupation clerk, stated that some three or four months previous to admission he had noticed a few dark spots over his knuckles which spread quite rapidly until the whole backs of his hands were involved. Later he had developed an obstinate diarrhea, and had had one sore spot on his tongue which healed up with difficulty. He had lost considerable weight, his appetite was very poor, and he complained of a constant burning sensation in his stomach.

Examination showed the characteristic pigmentation over the backs of his hands and wrists, and one or two small patches on the ankles. The elbows, feet, and anterior surfaces of the legs were not involved. His tongue was large and coated, and extremely red along the edges, but there was no ulceration present. A few pigmented patches were seen on the buccal mucous membrane and in the roof of the mouth. Temperature and pulse were normal. Respiratory and genito-urinary systems appeared normal.

After careful consideration of all the facts obtainable this condition, as found to exist in the colony, can best be described as an acute disease with a tendency to recurrence, the direct cause of which is yet to be established, and characterized by a slow onset, lassitude, a burning sensation in the epigastric region, sore mouth, ptyalism, vomiting, and diarrhea and with well-marked pigmentation of the

skin over the joints of the fingers, wrists, elbows, and ankles. In a majority of cases there are manifest, late in the course of the disease, nervous and mental symptoms indicating rapid fatal termination.

#### HISTORY.

The time that this disease was first noticed in Barbados can not be precisely fixed. Hillary, writing in 1766, describes "a diarrhea alba or white flux \* \* \* in which the stools are whiter than is usual in jaundice without the yellowish appearance in the skin and eyes" and without "any pain in the region of the liver and bile ducts." The literature in the colony on this subject is very meager, but it is quite possible to conclude that the disease which Dr. Hillary described more than a century ago is the same disease as seen to-day, modified to some extent by racial changes and difference in mode of living.

#### ETIOLOGY.

There are no available statistics in the colony, but it would appear that this disease is more common in females than in males, the proportion being almost two to one. It occurs principally between the ages of 25 and 60, although numerous cases both above and below these ages have been observed. It is much more prevalent among the blacks than among the whites, and confines itself almost entirely to the poorer element in both classes. It is practically unknown among the better classes or among well-nourished people.

A fixed, definite cause of the disease has not been determined. The theory that the disease is caused by eating ergotized maize has been almost entirely abandoned. That it is caused by any fungus which improper cooking of food does not destroy is also a theory.

#### PATHOLOGY.

It is to be regretted that there are no facilities in the colony for the proper pathological study of the condition, and the only reports that can be made are the changes observed in the viscera at the time of necropsy.

The gastrointestinal tract, the liver, and the spleen are apparently the principal organs involved. The stomach is normal in size, the gastric mucosa being stripped in numerous areas, leaving the muscular coat very thin and the blood vessels exposed. The small intestines are very pale in appearance, the mucous membrane being stripped in large areas, and at several points patches of acute congestion have been observed. The large intestines do not show pathological change.

The liver is paler than normal, large, and quite soft, breaking down under pressure of the finger, but apparently free from organic disease.

The spleen is about normal in size, very dark and soft, and tears easily. Other viscera have appeared apparently normal.

#### DIAGNOSIS.

The history and symptoms already described, that is, failure of appetite, loss of weight, a burning sensation in the stomach, sore mouth, ptyalism, vomiting, and the characteristic diarrhea, with the pigmentation over the smaller joints, serve to make a picture that can not be mistaken.

## TREATMENT.

Medicines are of little avail. The pharmacopœia has been exhausted to find a remedy that would help this disease. The best results have been obtained by rest, a very bland liquid diet, preferably milk, with proper hygienic measures. When a history of syphilis has been obtainable, the mercurials have been given with fairly good results.

As the prevailing disease in this colony presents all the symptoms ordinarily described in both pellagra and sprue or psilosis, the pertinent questions are: Is this disease pellagra or is it psilosis? Is it modified pellagra or is it modified psilosis? Certainly there are found the unmistakable sore mouth and diarrhea of sprue, and at the same time the characteristic pigmentation of pellagra. A majority of the medical fraternity in the colony say it is pellagra; others hold that it is sprue. The late Cuthbert Bowen suggested that it be called "Psilosis pigmentosa."

Whatever it may be called, it is the opinion of the entire medical fraternity of the colony that the disease is a grave one and is rapidly spreading among the poorer classes, and that radical measures must be adopted for stamping it out.

Acknowledgment is due to Dr. T. L. E. Clarke, senior resident physician at the Barbados General Hospital, and to Dr. Edward Dean, parochial medical officer of the parish of St. Michael's, for valuable suggestions and for affording the opportunity for observing and studying the cases which form the basis of this report.

**NOTE.**—In the opinion of most writers Hillary<sup>1</sup> undoubtedly described and differentiated for the first time the disease to which, in 1880, Manson applied the name sprue. Since Hillary's time there have been apparently but very few publications on sprue in Barbados. At present there exists in that island a disease concerning the nature of which doubts have arisen. This disease seems to be a grave one and to have attracted much local attention.

At the National Conference on Pellagra, Columbia, S. C., in 1909, Manning<sup>2</sup> described this disease and mentioned an official report made by him on the subject. Manning's description is quite similar to the one given in this paper, but he also speaks of extensive gangrene as a common occurrence in his cases.

The discussion and case notes of the above paper would certainly lead to the inference that there are at least some cases of pellagra in Barbados. There are mentioned, however, some features inconsistent with pellagra. Notable among such inconsistencies are, first, the character of the skin lesions, which are invariably designated as a pigmentation. Yet it is evident that this term does not accurately describe the condition, for it is stated: "These pigmented patches have a scaly, branlike appearance and sometimes can be brushed off, leaving an apparently healthy underskin, which rapidly again becomes pigmented." There is one stage in the evolution of the pellagrous eruption when pigmentation is present, but the pellagrous eruption is classed by dermatologists among the erythemas, and certainly could not be generally spoken of as a pigmentation.

The stools are described as "pale and yeasty," which is characteristic of sprue rather than of pellagra. Vomiting is described as a prominent symptom and is even spoken of as often of the cerebral type, which is unlike both sprue and pellagra. The disease is called an acute malady; but from the observations recorded in this paper the word "acute" seems hardly applicable.

It is to be noted likewise that nothing definite is said as to the periodic seasonal recurrence of acute symptoms generally so characteristic of pellagra, nor is any great stress laid on phenomena referable to disorder of the central nervous system. The nervous and mental symptoms are described largely as terminal events in the course of a more or less protracted and exhausting illness, while in pellagra evidence of marked disturbance of the central nervous system is the prominent feature of the disease.—C. H. Lavinder.

<sup>1</sup> Observations on the changes of the air and concomitant epidemical diseases in the island of Barbados, London, 1766.

<sup>2</sup> Psilosis pigmentosa in Barbados, Trans. Nat. Conf. on Pellagra, Columbia, S. C., 1909, p. 110.

# UNITED STATES.

## MUNICIPAL ORDINANCES, RULES, AND REGULATIONS PERTAINING TO PUBLIC HYGIENE.

[Adopted since January 1, 1910.]

PITTSBURGH, PA.

### PRIVIES AND CESSPOOLS—CONSTRUCTION, DISINFECTION, AND CLEANING.

SECTION 1. Be it ordained and enacted by the city of Pittsburgh in select and common councils assembled, and it is hereby ordained and enacted by the authority of the same, That no privy vault, sink, or cesspool shall hereafter be built, in the city of Pittsburgh, except by permission of the department of public health, and in accordance with its directions; nor shall any building or cover be placed over any vault, sink, or cesspool until the same has been inspected by an officer of the department and found to be in accordance with the permit granted. All privy vaults hereafter made shall be of brick or stone, laid in cement, and of such dimensions as to contain at least 50 cubic feet for every family or group of 5 persons using the same; and such vaults shall be so constructed as to be conveniently cleaned, and shall be made and maintained in such manner as to prevent the contents thereof from escaping. No privy vault or cesspool hereafter shall be built except in such places where there can not be had connection with a public sewer or with the public or other constant water service, and no privy vault or cesspool shall be built or maintained except upon premises which will permit their location at a distance of at least 15 feet from any adjoining buildings used for human occupation or for the storage of human food, and at least 15 feet distant from the several lot lines of the lot on which the same is placed or the lines of any street adjoining such or in case of lot less than 34 feet, vault to be placed midway upon the lot. In cases where the provisions of this ordinance do not allow privy vaults there shall be provided for all premises on which there are houses or other buildings used for human habitation, either for business, meeting, or dwelling purposes, a water-closet, or a suitable number thereof, as determined by the department of public health.

SEC. 2. Whenever any vault, privy, or drain becomes offensive or obstructed, the owner, agent, or occupant of the property where situated shall clean or repair the same forthwith. No privy vault shall be cleaned, emptied, or removed without special permit from the department of public health, except by licensed scavenger. Whenever notified that any privy is offensive and needs cleaning the department shall notify the owner, agent, or occupant of the property where situated to clean the same within a period named in said notice. In case no owner or agent can be found in the city, the department shall cause such offensive vault to be cleaned or abolished. If the said owner, agent, or occupant neglects or refuses to comply with the order, the department may cause said vault, privy, or drain to be removed, altered, or repaired, as it may deem expedient, at the expense of said owner, agent, or occupant.

Any scavenger engaged in this work must not leave his place of business with wagons before 10 o'clock p. m., and must return and be off the street and at his place of business by 6 o'clock a. m. of the next day.

SEC. 3. The cleaning, emptying, and removing of the contents of privy vaults shall be done in an inoffensive manner, and any scavenger having begun any such work shall, without interruption or delay, finish the same, and shall in every instance leave the privy in as good condition upon the vault as when the work was undertaken. The contents of the privy vaults so removed shall be conveyed to such places as approved by the department of public health in tight receptacles and disposed of according to the directions of the department of public health hereinafter provided for. The contents of any privy vault or cesspool shall not be transported through the streets except in a manner to prevent the said contents from being agitated or exposed in the open air unless the department shall so permit in writing.

SEC. 4. During the prevalence of epidemics or contagious diseases all putrid and offensive matter, and all night soil and the contents of sinks, privies, vaults, or cesspools, before their removal or exposure, shall be disinfected and rendered inoffensive by the owner, lessee, or occupant of the premises where situated when deemed necessary by the department, and if not so done, then said disinfecting may be done by the contractor who removes the same; and the person, not being such tenant, owner, or occupant, who shall so disinfect or remove the same, shall be entitled to demand and receive a compensation, to be fixed by the department and paid by such tenant, owner, or occupant.

SEC. 5. No person shall at any time, in the city of Pittsburgh, deposit any slops, liquid of any offensive kind, garbage, contents of sinks, privy, or cesspool, manure, offal, or anything which can become offensive to human beings or detrimental to public health, upon any street, lot, or vacant place; nor deposit in any vault, privy, sink, or cesspool, any offal, meat, fish, or garbage; nor shall any slops or kitchen waste, or wash water from yard or laundry be permitted to run between houses, or an alley or street, or into any privy or cesspool: *Provided, however,* That manure may be placed on private lands for the purpose of fertilizing in those parts of the city that are not built up, if no nuisance results therefrom.

SEC. 6. Any person or persons who shall fail, neglect, or refuse to comply with, or who shall violate any of the provisions of this ordinance, shall, upon conviction thereof in a summary proceeding before any alderman or police magistrate in the city of Pittsburgh, be sentenced to pay a fine of not more than \$50, and in default of payment thereof to be imprisoned in the county jail for a period not more than 30 days. [Ordinance adopted April 19, 1911.]

#### WATER-CLOSETS IN BUILDINGS UNDER CONSTRUCTION OR REPAIR.

SEC. 2. During the erection, remodeling, or repairing of any building or part thereof, in the city of Pittsburgh, the owner or contractor of said building shall provide urinals and water-closets on every alternate floor of such building for the use of persons employed in the construction, remodeling, or repairing of same, when in the judgment of the department of public health it is necessary; said urinals and water-closets shall be kept in a sanitary condition, subject to inspection by the department of public health of the city of Pittsburgh.

SEC. 3. Any person or persons who shall fail, neglect, or refuse to comply with, or who shall violate any of the provisions of this ordinance, shall, upon conviction thereof in a summary proceeding before any police magistrate or alderman in the city of Pittsburgh, be sentenced to pay a fine of not more than \$25, and in default of payment thereof to be imprisoned in the county jail for a period of not more than 30 days. [Ordinance adopted March 27, 1911.]

#### READING, PA.

##### PRIVIES AND CESSPOOLS.

RULE 24. No cesspool or privy well shall hereafter be constructed in any part of the city of Reading where the house sewer is accessible.

RULE 25. All privy wells dug or sunk in the city of Reading shall be constructed with their ground walls at not less than 2 feet from the boundary line of the property on which they are dug and not less than 20 feet distant from any dwelling, if possible. They shall be walled up with brick or stone, and shall be in depth 20 feet: *Provided,* That where rocks or water, permanently springing or flowing into the well from beneath the surface of the ground, or other natural obstacles, rendering it in the judgment of the board of health inexpedient that any well should be made of the depth of 20 feet, such well may be sunk to any depth less than 20 feet, not less than 6 feet, as upon application may be allowed by the board of health, who shall consider the circumstances of the particular case and direct such depth as it deems expedient.

In case of any privy well situated in a house sewer district becoming foul, full, or leaky and thus create a nuisance that can in the opinion of the board of health only be abated by connecting the premises with the house sewer, the owner of the premises upon which such privy well does exist shall, upon notice from the board of health, clean, disinfect, and abandon the use of such a well, and connect his premises with the house sewer system.

RULE 26. Every person desirous of being licensed to empty or remove the contents of privy wells and sinks within the limits of the jurisdiction of the board of health shall make applications in writing to the board of health, who, on being satisfied with the character of the applicant and that he is owning or using an odorless excavating

apparatus that has been examined and approved by the board, shall grant him a license for a period of one year, and for such license so granted he shall pay to the city of Reading the sum of \$25; and whenever such person shall desire, under his license, to empty or cleanse any privy well or sink he shall first take from the board of health a permit to do so, at which time he shall furnish to the secretary the name of the owner, agent, or occupant of such property as shall so employ him, to be mentioned in said permit and recorded in the office. And in no case shall any cesspool or privy well be emptied or cleaned except with an odorless excavating apparatus approved by the health commissioner. The price of the permit shall be 50 cents, except in cases declared by the board of health to be a nuisance, in which case the price shall be \$1.

Every person licensed under the provisions of this rule shall have the number of the license issued to him affixed in figures not less than 6 inches in length on both sides of each conveyance used by him in his business. Any person failing or refusing to comply with this rule shall forfeit and pay a fine of not less than \$5 nor more than \$50, to be recovered in accordance with section 12 of the act of assembly of April 22, 1873, establishing the board of health in the city of Reading.

**RULE 27.** Whenever the contents of a privy vault shall be within 1 foot of the top of the vault, or shall become offensive from any cause, or dangerous to the public health, the same shall be cleansed or disinfected, or removed by the owner thereof, or his agent, as the board of health shall direct.

**RULE 28.** Night soil or cesspool sewage shall be disposed of in a sanitary manner. If spread on farm land, it must be immediately plowed under. Where this method is impracticable, the sewage must be buried in trenches or excavations and treated with quicklime, or disposed of otherwise in such manner that will prevent it from becoming a nuisance and an annoyance to the neighborhood.

**RULE 29.** Each and every dwelling in the city of Reading must be provided with toilet conveniences established according to the rules and regulations of the board of health. [Regulations, board of health, adopted May 15, 1911.]

#### ST. JOSEPH, MO.

##### PRIVIES AND CESSPOOLS—CONSTRUCTION AND CLEANING.

**SECTION 1.** Every dwelling, residence, store, tenement house, and factory within the city of St. Joseph shall be furnished with a suitable privy or water-closet and cesspool, or sewer connection; but no privy vault or cesspool shall hereafter be constructed within the city without a permit for that purpose first obtained from the sanitary inspector: *Provided*, That no privy vault, water-closet or cesspool shall be built or maintained in a sewer district where sewer connection can be had, either from the street or alley, and where there is also water, without being properly connected with the sewer. And no cesspool or privy vault shall be allowed to remain on any premises in the city of St. Joseph unless unavoidable and in accordance with the terms of the permit issued by the sanitary inspector, which permit shall designate the exact location and material to be used in the construction of the same.

**SEC. 2.** All privy vaults constructed or used or maintained within the city of St. Joseph shall be constructed of well-burned brick, laid in and coated with a good quality of cement, and shall be water-tight. All privy vaults hereafter constructed shall be 6 feet in depth and no more, and the sides and bottoms shall be at least 4 inches thick. In lieu of brick, concrete of equal thickness may be used.

**SEC. 3.** All cesspools constructed, used, or maintained within the city of St. Joseph shall be constructed in the same manner as privy vaults, except as to depth, and shall be provided with an iron cover and fresh-air inlet on top.

**SEC. 4.** No privy vault or cesspool shall be constructed without adequate provision for the effectual and proper ventilation and cleaning thereof.

**SEC. 5.** No privy vault or cesspool shall be built or maintained within 20 feet of the line of any street, or of any house, or of any well, or within 3 feet of the party line of the adjacent lot or lots: *Provided*, That any privy vault or cesspool may be built at any place in the rear of any lot 3 feet from the rear line of said lot abutting upon any public alley: *Provided further*, That said vault or cesspool shall not be nearer to any street, house, or well than is provided in these rules. No privy vault or cesspool shall be completed nor shall it be covered until the same has been inspected by the sanitary inspector or the plumbing inspector, and has been found to be in accordance with the sanitary regulations.

**SEC. 6.** All privy vaults and cesspools must be cleaned whenever the contents thereof shall be within 2½ feet of the top or surface of the ground. Whenever the contents of any privy vault or cesspool shall be removed a notice or order shall be



issued by the sanitary inspector for that purpose, the contents of such privy vault or cesspool shall be cleaned to the bottom.

Sec. 7. No person shall throw into or deposit in any privy vault, sink, or cesspool any offal, ashes, meat, fish, garbage, or any other substance whatever except that of which such place is the appropriate receptacle.

Sec. 8. Whenever the use of any privy vault or cesspool is discontinued, such privy vault or cesspool shall be cleaned to the bottom and filled up with earth or other suitable material to be designated by the sanitary inspector.

Sec. 9. All scavengers engaged in cleaning privy vaults or cesspools shall obtain from the sanitary inspector a permit for doing same in each and every case, said permit to designate the place where work is to be done, which permit shall be carried by the person or party doing said work, and when said work has been completed the permit for doing same shall be returned to the board of health office within two days.

Sec. 10. All ordinances or parts of ordinances conflicting herewith are hereby repealed.

Sec. 11. Any person violating any of the provisions of this ordinance shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be fined not less than \$10 nor more than \$50. [Ordinance adopted January 5, 1910.]

#### LOS ANGELES, CAL.

##### MEAT INSPECTION AND ABATTOIRS.

SECTION 1. That section 1 of ordinance No. 14351 (new series), entitled "An ordinance regulating slaughterhouses, the slaughtering of animals for food, and the sale of meats," approved March 19, 1907, be, and the same is hereby, amended so as to read as follows:

"SECTION 1. It shall be unlawful for any person, firm, or corporation to sell, have, keep, or expose for sale for human food, or to have in possession, the flesh of any cattle, calves, sheep, swine, or goats unless the same shall have been slaughtered in an official establishment under the supervision of a United States Government inspector, in accordance with the regulations relating to the inspection of meat as prescribed by the Department of Agriculture of the United States, or under the supervision of the health commissioner or a meat inspector of the city of Los Angeles, in accordance with the provisions of this ordinance." [Ordinance adopted June 23, 1911.]

#### PITTSBURGH, PA.

##### ABATTOIRS—REGULATION OF.

SECTION 1. Every person, firm, or corporation owning, leasing, or occupying any building or place in the city of Pittsburgh where any cattle or swine have been or hereafter shall be killed or dressed shall cause such buildings, places, and their yards and appurtenances to be thoroughly cleansed and purified and all offal, blood, fat, garbage, refuse, or offensive matter to be removed therefrom at least once in every 24 hours after the use thereof for any of the purposes herein referred to.

SEC. 2. Any person or persons who shall fail, neglect, or refuse to comply with, or who shall violate any of the provisions of this ordinance, shall, upon conviction thereof in a summary proceeding before any police magistrate or alderman in the city of Pittsburgh, be sentenced to pay a fine of not more than \$25, and in default of payment thereof to be imprisoned in the county jail for a period of not more than 30 days. [Ordinance adopted March 27, 1911.]

#### ST. PAUL, MINN.

##### MEAT—SALE OF.

SECTION 1. From and after the passage, approval, and publication of this ordinance it shall be unlawful for any person to deal in or sell at retail at any other place within the limits of the city of St. Paul than the public market fresh or butchers' meat or poultry without having first obtained a license so to do, as hereinafter provided: *Provided, however*, That the foregoing shall not be construed to include pork packers in disposing of offal or trimmings of hogs nor any person disposing of any animals raised or fattened by him or selling fresh meats by the carcass and beef in quantities not less than by the quarter, provided said carcass or beef is from animals raised or fattened by him.

SEC. 2. Any person desiring a license to engage in the business of dealing in or selling at retail fresh or butchers' meat or poultry as in section 1 hereof referred to shall first

make an application therefor to the common council of the city of St. Paul by filing with the commissioner of health of said city, for presentation by him to the common council, an application in writing therefor, which said application shall set forth with reasonable exactness the name and place of residence of the applicant and the exact location or place at which the applicant proposes to carry on his said business, and shall further state whether or not he has at any time previous to the date thereof been engaged in said business of dealing in or selling at retail fresh or butchers' meat or game or poultry in the city of St. Paul, and if so, when and where; said application shall be signed by the applicant in person, and when received by the commissioner of health shall be by him placed on file and the name of the applicant shall be by him registered in a book of registration, to be kept at the office of the commissioner of health for that purpose: *Provided, however*, That said commissioner of health shall not receive such application or register the name of such applicant unless the application is accompanied by a receipt from the city treasurer provided for in the next following section.

SEC. 3. Before the filing of any application for a license provided for in the next preceding section shall be valid for any purpose, the applicant shall deposit with the city treasurer the sum of \$50, and the city treasurer shall thereupon deliver to such applicant duplicate receipts therefor, containing a statement of the purpose for which such deposit was made, and one of said receipts shall be attached to and filed with said application.

SEC. 4. The making of such deposit provided for in the next preceding section and the filing of the application accompanied by the receipt, as provided in section 2 hereof, shall authorize the applicant to engage in dealing in, or selling at retail, fresh or butchers' meat, or poultry, until the common council of the city of St. Paul takes action thereon and either issues a license to the applicant or refuses so to do.

SEC. 5. Any such applicant shall permit the officers of the department of health of the city of St. Paul to inspect and examine the place of business, or proposed place of business, named in his application, together with all the appliances and instruments used or to be used therein in the prosecution of his said business, and any refusal upon the part of such applicant to permit such inspection and examination shall be deemed a sufficient ground upon which the common council may refuse to issue the license by him applied for.

SEC. 6. Upon the filing of any application with the commissioner of health, accompanied by the proper receipt of the city treasurer, as provided in section 2 hereof, said commissioner, by himself or his employees, shall proceed forthwith and without unnecessary delay to inspect the place of business, or proposed place of business, named by the applicant in his application for a license under the terms hereof, and the said commissioner of health shall immediately thereafter and without undue or unnecessary delay present the application and receipt, in section 3 hereof provided for, to the common council of the city of St. Paul, and shall accompany it with a report containing the results of the examination and inspection hereinbefore required, and the common council shall thereupon, after proper investigation, whether from a consideration of such report or from other sources, adjudge and determine such applicants as may be entitled to obtain a license to deal in or to sell at retail fresh or butchers' meat, or poultry, within the corporate limits of the city of St. Paul, and shall thereupon, by resolution, grant the licenses applied for to such applicants as may be, in the opinion of the common council, entitled thereto under the terms and provisions of this ordinance.

SEC. 7. It shall thereupon be the duty of the city clerk to issue to any person to whom such a license has been granted by the common council, as hereinbefore provided, a license of even date with the approval of the resolution by which said license was granted, entitling him to deal in or sell at retail fresh or butchers' meat, or poultry, at the place named in his application therefor, referred to in section 2 hereof, and for a period of one year from the date thereof: *Provided, however*, That if the common council shall refuse to grant such license, the city treasurer shall, upon proper demand, return said deposit of \$50, taking a receipt therefor.

SEC. 8. Any person violating any of the provisions of this ordinance shall, upon conviction thereof, be punished by a fine of not less than \$25, nor more than \$100, or by imprisonment for not less than 20 days, nor more than 90 days.

SEC. 9. That ordinance No. 2159, approved December 21, 1900, entitled "An ordinance relating and licensing butcher shops and butcher stalls and the sale of fresh or butchers' meat and game and poultry," and all other ordinances and parts of ordinances inconsistent herewith, are hereby repealed.

SEC. 10. This ordinance shall take effect and be in force from and after its passage, approval, and publication. [Ordinance, adopted Feb. 15, 1910.]

**KALAMAZOO, MICH.****STABLES—CARE AND DISPOSAL OF MANURE.**

**SECTION 1.** Section 28 of ordinance No. 154, the same being an ordinance relative to the public health, is hereby amended to read as provided in section 3 of this ordinance.

**SEC. 3.** No person, persons, partnership, or corporation shall deposit, place, permit, or allow to be deposited or placed any manure or barn cleanings of any kind or description for a longer period than 48 hours upon any premises within the city of Kalamazoo, except as herein provided. All manure or barn cleanings of any kind or description shall be kept and placed in boxes or bins which shall be closed and absolutely fly proof and approved by the city health officer or board of health, and no such bin or box shall be built, kept, or maintained nearer to any adjoining house than 25 feet, and then the contents thereof shall be removed and the said box or bin thoroughly cleaned at least once every 30 days during the months of April, May, June, July, August, September, and October, and oftener if the city health officer shall so direct and order.

The above provision shall not apply to manure used for agricultural or gardening purposes provided the same shall be spread upon the premises. Manure for gardening or agricultural purposes may be stored unscreened, but not nearer than 150 feet from any dwelling house. It shall be the duty of the health officer or the chief of police of said city to notify any person, persons, partnership, or corporation who shall deposit or place, or allow to remain or be deposited or placed, any manure or barn cleanings, or who shall build, keep, or maintain, or allow or permit to be built, kept, or maintained, any bin or other place for holding manure contrary to the provisions of this ordinance to remove said manure or barn cleanings or the contents of said box or bin within 48 hours, and if not removed within said time after the service of such notice upon such person, persons, partnership, or corporation, it shall be the duty of the health officer to cause the removal of such manure or barn cleanings at the expense of the party keeping or allowing the same to remain contrary to the provisions of this ordinance, and the costs and expense of such removal may be recovered by the city in an action of assumpsit against said person, persons, partnership, or corporation in any court of competent jurisdiction, in addition to the other penalty herein provided. Any person, persons, partnership, or corporation who shall violate the provisions of this section shall be punished by a fine of not less than \$5 and not exceeding \$50 and costs of prosecution for every separate day upon which such manure or barn cleanings shall be allowed to remain upon the premises after the expiration of the time provided in this section. [Ordinance adopted March 13, 1911.]

**PITTSBURGH, PA.****STABLES—REGULATION OF.**

**SECTION 1.** No stable, or building for the housing of animal or animals, shall hereafter be erected, placed, maintained, or continued, upon any lot of ground in the city of Pittsburgh, unless the same be at least 25 feet distant from any tenement house or part thereof, or other dwelling house or part thereof, nor unless the floor of such stable or building be constructed of concrete or other nonabsorbent material, and such stable or building shall be provided with a sewer-connected floor drain within said building or stable of sufficient size to carry all water and liquid stable filth.

**SEC. 2.** Every owner, agent, lessee, or occupant of any stable or other place in the city of Pittsburgh where horses, cattle, or other animals are kept, or of any place in which manure or any liquid discharge of such animals shall collect, shall at all times keep, or cause to be kept, such stables and places, and the drainage and appurtenances thereof, in a wholesome and cleanly condition, so that no offensive smell shall escape. Every stall, stable, or place where horses or cattle are kept shall have a properly covered, water-tight manure vault or box, which shall be ventilated by a tube extended from such vault or box a sufficient distance for said ventilation, and said box or vault shall not be allowed to become filled or to overflow.

**SEC. 3.** Any person or persons who shall fail, neglect, or refuse to comply with or who shall violate any of the provisions of this ordinance shall upon conviction thereof, in a summary proceeding before any police magistrate or alderman in the city of Pittsburgh, be sentenced to pay a fine of not more than \$50, and in default of payment thereof to be imprisoned in the county jail for a period of not more than 30 days. [Ordinance adopted March 27, 1911.]

## READING, PA.

## STABLES.

**RULE 6.** All stables within the city of Reading must be kept in a sanitary condition and be properly ventilated. All stables with room for five or more animals, constructed after the adoption of this rule, must be provided with ventilating shafts through the roofs.

**RULE 7.** Manure must be kept in a pit walled out with brick, stone, or cement, and well covered, so that none of the contents or odors may escape. Not more than two 2-horse loads shall be kept on the premises at any time. It shall be removed in a vehicle which shall not permit the escape of any of its contents.

**RULE 8.** Stockyards may be located within the city limits only by special permission of the board of health, provided they are constructed with roofs and cemented floors and otherwise kept in sanitary condition. [Regulations, board of health, adopted May 15, 1911.]

## BERKELEY, CAL.

## GARBAGE AND REFUSE—VEHICLES USED FOR TRANSPORTATION.

**SECTION 1.** That all vehicles used for the transportation of garbage, ashes, swill, and refuse of any description shall be lined with zinc or iron or other metallic substance, and shall be water-tight, so that no leakage can escape from such vehicle. Said vehicles shall also be provided with covers of water-tight canvas or other material impervious to moisture, which covers shall, at all times when said vehicles are passing along or standing upon any street or alley of the city of Berkeley (excepting when garbage is actually being placed in or removed from said vehicles), be kept on said vehicles in such a manner that the covers shall extend well down the sides and ends of the vehicles and be securely fastened at the sides and ends of the vehicles; and said vehicles shall in said manner be kept covered whether loaded or empty.

**SEC. 2.** Every person who shall violate any of the provisions of this ordinance shall be deemed guilty of a misdemeanor and, upon conviction thereof, shall be punished by a fine of not more than \$100, or by imprisonment for not more than 30 days, or by both such fine and imprisonment.

**SEC. 3.** Ordinance No. 17-A is hereby repealed.

**SEC. 4.** This ordinance shall take effect and be in force 30 days from and after its final passage. [Ordinance in effect August 5, 1910.]

## KALAMAZOO, MICH.

## GARBAGE AND REFUSE—DISPOSAL OF.

**SEC. 2.** That section 30 of ordinance No. 154, the same being an ordinance relative to the public health, is hereby amended to read as provided in section 4 of this ordinance.

**SEC. 4.** All garbage, slops, offal, and refuse shall be placed at the rear of all buildings within the limits of the city of Kalamazoo and kept in closed receptacles provided for that purpose, which shall be approved by the health officer or board of health of said city, and such receptacles shall be emptied and cleaned at least twice each week, or oftener if the health officer of said city shall so order, except that within the established fire limits of said city such receptacles shall be emptied and cleaned at least once each day, Sunday excepted, during the months of May, June, July, August, and September, and at least three times per week during the months of October, November, December, January, February, March, and April of each year. Any person who shall fail to comply with the provisions of this section, or who shall for three hours after notice has been given by authority of the health officer or chief of police fail to remove any such material, shall be liable to all the penalties, as provided elsewhere, for a violation of this ordinance; and it shall be lawful for the health officer to cause the removal of such garbage or offensive matter at once, and all costs and expense of such removal shall be chargeable to the owner or occupant of the premises from which said garbage or offensive matter shall be removed, and the costs and expense of removing the same may be recovered by the city in an action of assumpsit against the owner or occupant in any court of competent jurisdiction, in addition to the other penalties herein provided. [Ordinance adopted Mar. 13, 1911.]

## PITTSBURGH, PA.

## REFUSE—BEDDING, STRAW, AND HAY.

SEC. 1. No straw, hay, or other substance which has been used as bedding for animals shall be placed or dried upon any street or sidewalk or the roof of any building in the city of Pittsburgh; nor shall any straw, hay, or the contents of any mattress or bed be deposited or burnt in any place in the city of Pittsburgh without a permit from the department of public health.

SEC. 2. Any person or persons who shall fail, neglect, or refuse to comply with or who shall violate any of the provisions of this ordinance shall, upon conviction thereof in a summary proceeding before any police magistrate or alderman in the city of Pittsburgh, be sentenced to pay a fine of not more than \$10, and in default of payment thereof to be imprisoned in the county jail for a period not more than 10 days. [Ordinance adopted Mar. 27, 1911.]

## ST. PAUL, MINN.

## GARBAGE AND REFUSE—COLLECTION AND DISPOSAL.

SEC. 1. That from and after the passage and publication of this ordinance the commissioner of health is hereby authorized and it shall be his duty to appoint from month to month some suitable person as superintendent of the collection and disposal of garbage and other waste matter at a compensation of not exceeding \$115 per month and to report such appointment to the common council.

SEC. 2. It shall be the duty of the person so appointed under the direction of the commissioner of health to see that all garbage and other waste matter, as well as dead animals, are collected and properly disposed of, and to keep a record in the office of the commissioner of health of all complaints that are made of any failure so to do, and to make a report on the first meeting of each month to the council of all such complaints, together with the action, if any, taken by said superintendent or anyone employed in his department to remedy the same.

SEC. 3. This ordinance shall take effect and be in force from and after its passage and publication. [Ordinance adopted Aug. 2, 1910.]

## GARBAGE—LICENSING COLLECTORS OF.

SECTION 1. From and after the passage, approval, and publication of this ordinance it shall be unlawful for any person to collect or solicit any garbage from any place within the corporate limits of the city of St. Paul without having first obtained a license so to do, as hereinafter prescribed, from the commissioner of health.

SEC. 2. Any person may, upon application to the commissioner of health and upon signing a written agreement, in a form to be approved by the corporation attorney, to properly remove all garbage collected by any such person and leave the premises in a sanitary condition, receive a license permitting such person to remove garbage from certain specified places as designated by the commissioner of health: *Provided*, That garbage shall in no case be exchanged or reloaded from one wagon to another within the corporate limits of the city of St. Paul.

SEC. 3. Every person receiving such license shall pay to the commissioner of health the sum of \$5, said sum to be credited to and for the use of the "garbage fund" of said department, said license to be issued for a period of one year.

SEC. 4. That all persons who shall receive a license to collect garbage under this ordinance shall place, maintain, and display a tag, in a conspicuous place, on both sides of all vehicles used for such purpose, said tags to be furnished by the commissioner of health.

SEC. 5. Any person who shall violate any of the provisions of this ordinance shall, upon conviction thereof, be fined in a sum not less than \$5 nor more than \$25, or by imprisonment for not less than five days nor more than 30 days, for each offense.

SEC. 6. That ordinance No. 2273, approved April 5, 1902, is hereby repealed. [Ordinance adopted Feb. 21, 1911.]

**SEATTLE, WASH.**

**GARBAGE AND OFFAL—DISPOSAL OF.**

**SECTION 1.** Section 17 of ordinance No. 15957, entitled "An ordinance providing for the preservation and protection of the public health in the city of Seattle and providing penalties for the violation thereof," approved May 10, 1907, be and the same is hereby amended to read as follows:

**SEC. 2.** It shall be unlawful for any person to dump or place upon any land, or in any water or waterway, within the city of Seattle, any dead animals, butchers' offal, fish or parts of fish, or any waste vegetable or animal matter whatever, and the board of public works is hereby authorized to offer a reward of \$50 to any person furnishing evidence that will lead to the arrest and conviction of any person depositing the body of any dead animal in any water or waterway within the city of Seattle, and it shall also be unlawful for any person to place upon any land or premises within the city of Seattle any refuse lumber, débris, or waste material of any kind within which rats may nest or within or under which rats may harbor.

Now, therefore, by reason of the foregoing facts, an emergency is hereby declared to exist in which it is necessary for the immediate preservation of the public peace, health, and safety that this ordinance shall become effective without delay. [Ordinance adopted Jan. 25, 1910.]

**TACOMA, WASH.**

**GARBAGE AND REFUSE—CARE AND DISPOSITION.**

**SECTION 1.** That no person, firm, or corporation within the city limits of the city of Tacoma shall allow any garbage, kitchen waste, or refuse of any nature whatsoever that may become offensive or deleterious to health to be or remain exposed, but shall keep the same in a metallic receptacle, which shall be emptied at least once a week to prevent the contents from becoming foul or noxious.

**SEC. 2.** Any person, firm, or corporation failing to comply with the provisions of this ordinance shall be deemed guilty of a misdemeanor, and upon conviction thereof shall fined in any sum not exceeding \$250 or be imprisoned in the city jail not to exceed 90 days. [Ordinance adopted March 2, 1910.]

## PLAGUE-PREVENTION WORK.

### DISTRIBUTION OF POISON.

In connection with the making and maintenance of a squirrel-free zone around the cities of California on San Francisco Bay 10,945 acres of land in Alameda County were covered with poison during the week ended November 25, 1911.

During the same period 6,040 acres of land in San Joaquin County and 18,160 acres in Stanislaus County were covered with poison for the purpose of eradicating plague foci.

### RECORD OF PLAGUE INFECTION.

Places.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number of rodents found infected since May, 1907.
<b>California:</b>				
<b>Cities—</b>				
San Francisco.....	Jan. 30, 1908.....	Oct. 23, 1908.....	None.....	398 rats.
Oakland.....	Aug. 9, 1911.....	Dec. 1, 1908.....	do.....	126 rats.
Berkeley.....	Aug. 27, 1907.....	None.....	do.....	None.
Los Angeles.....	Aug. 11, 1908.....	do.....	Aug. 21, 1908.....	1 squirrel.
<b>Counties—</b>				
Alameda (exclusive of Oakland and Berkeley).	Sept. 26, 1909.....	Wood rat, Oct. 17, 1909.	Oct. 9, 1911.....	114 squirrels and 1 wood rat.
Contra Costa.....	July 21, 1911.....	None.....	Sept. 23, 1911.....	364 squirrels.
Merced.....	None.....	do.....	July 13, 1911.....	5 squirrels.
Monterey.....	do.....	do.....	Aug. 6, 1911.....	Do.
San Benito.....	June 5, 1910.....	do.....	June 8, 1911.....	22 squirrels.
San Joaquin.....	Sept. 18, 1911.....	do.....	Aug. 26, 1911.....	18 squirrels.
San Luis Obispo.....	None.....	do.....	Jan. 29, 1910.....	1 squirrel.
Santa Clara.....	Aug. 23, 1910.....	do.....	Oct. 5, 1910.....	23 squirrels.
Santa Cruz.....	None.....	do.....	May 17, 1910.....	3 squirrels.
Stanislaus.....	do.....	do.....	June 2, 1911.....	13 squirrels.
<b>Washington:</b>				
<b>City—</b>				
Seattle.....	Oct. 30, 1907.....	Sept. 21, 1911.....	None.....	25 rats.

### RATS COLLECTED AND EXAMINED FOR PLAGUE INFECTION.

Places.	Week ended—	Found dead.	Total collected.	Examined.	Found infected.
<b>California:</b>					
<b>Cities—</b>					
Berkeley.....	Nov. 25, 1911		1 165	83	
Oakland.....	do.....	28	2 681	569	
San Francisco.....	do.....	14	1 575	1, 173	
Fresno.....	do.....		1 96	96	
<b>Counties—</b>					
Santa Clara.....	do.....		2 70	70	
Stanislaus.....	do.....		2 49	49	
<b>Washington:</b>					
<b>City—</b>					
Seattle.....	do.....		1, 170	1, 004	

<sup>1</sup> Identified: *Mus norvegicus*, 83; *Mus musculus*, 82.

<sup>2</sup> Identified: *Mus norvegicus*, 569; *Mus alexandrinus*, 1; *Mus rattus*, 6; *Mus musculus*, 96.

<sup>3</sup> Identified: *Mus norvegicus*, 834; *Mus rattus*, 205; *Mus musculus*, 335; *Mus alexandrinus*, 201.

<sup>4</sup> Identified: *Mus alexandrinus*, 89; *Mus rattus*, 3; *Mus musculus*, 4.

<sup>5</sup> Identified: *Mus norvegicus*, 66; *Mus musculus*, 5.

<sup>6</sup> Identified: *Mus alexandrinus*, 43; *Mus alexandrinus*, 2; *Mus rattus*, 4.

**SQUIRRELS COLLECTED AND EXAMINED FOR PLAGUE INFECTION.**

Places.	Week ended—	Shot or trapped.	Found dead.	Examined.	Found infected.
<b>California:</b>					
Counties—					
Alameda.....	Nov. 25, 1911		447	447	
Fresno.....	do.	37		37	
Merced.....	do.	109		109	
San Benito.....	do.	37		37	
San Joaquin.....	do.	102		102	
Stanislaus.....	do.	133		133	
Total.....		418	447	865	

**OTHER ANIMALS COLLECTED AND EXAMINED.**

Places.	Week ended—	Animals collected.	Examined.	Found infected.
<b>California:</b>				
San Francisco.....	Nov. 25, 1911	1 chipmunk.....		
Counties—				
Fresno.....	do.	2 rabbits.....	2	
Merced.....	do.	4 rabbits.....	4	
San Benito.....	do.	2 rabbits.....	2	
		1 chipmunk.....	1	
San Joaquin.....	do.	19 rabbits.....	19	
Stanislaus.....	do.	11 rabbits.....	11	
Total.....			39	

**SMALLPOX IN THE UNITED STATES.**

In the following tables the States indicated by an asterisk are those from which reports of smallpox are received only from certain city, and in some cases county, boards of health. In these States, therefore, the recorded cases and deaths should not be taken as showing the general prevalence of the disease. In the States not marked by an asterisk the reports are received monthly from the State boards of health and include all cases reported throughout the State:

**REPORTS RECEIVED DURING WEEK ENDED DEC. 15, 1911.**

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Colorado:</b>				
Counties—				
Chaffee.....	Nov. 1-30.....	1		
Denver.....	do.	6		
Jefferson.....	do.	1		
Las Animas.....	do.	3		
Summit.....	do.	3		
Weld.....	do.	1		
Total for State.....		15		
Connecticut.....	Nov. 1-30.....			No cases.
<b>Iowa:</b>				
Counties—				
Buchanan.....	do.	2		
Butler.....	do.	13		
Calhoun.....	do.	13		
Carroll.....	do.	3		
Clayton.....	do.	4		
Henry.....	do.	1		
Jefferson.....	do.	7		
Linn.....	do.	1		
Madison.....	do.	2		
Pottawattamie.....	do.	5		
Scott.....	do.	1		
Sioux.....	do.	4		
Total for State.....		56		



## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received during week ended Dec. 15, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>*Kentucky:</b>				
Louisville.....	Oct. 1-31.....	4		
<b>*Louisiana:</b>				
New Orleans.....	Nov. 26-Dec. 2....	2		
<b>Massachusetts:</b>				
Counties—				
Middlesex.....	Nov. 1-30.....	1		
Suffolk.....	do.....	1		
Total for State.....		2		
<b>Michigan:</b>				
Counties—				
Crawford.....	Nov. 1-30.....	1		
Grand Traverse.....	do.....	1		
Leelanau.....	do.....	1		
Montcalm.....	do.....	2		
Ontonagon.....	do.....	2		
Shiawassee.....	do.....	4		
Wayne.....	do.....	2		
Total for State.....		13		
<b>*Nebraska:</b>				
Omaha.....	Nov. 26-Dec. 2....	1		
<b>North Carolina:</b>				
Counties—				
Anson.....	Oct. 1-31.....	39		
Beaufort.....	do.....	1		
Cleveland.....	do.....	2		
Durham.....	do.....	3		
Granville.....	do.....	12		
Haywood.....	do.....	4		
Hoke.....	do.....	7		
Iredell.....	do.....	7		
Lincoln.....	do.....	2		
Martin.....	do.....	1		
New Hanover.....	do.....	1		
Northampton.....	do.....	1		
Pender.....	do.....	4		
Rockingham.....	do.....	1		
Union.....	do.....	1		
Vance.....	do.....	2		
Yancey.....	do.....	2		
Total for State.....		90		
<b>Oregon:</b>				
Counties—				
Baker.....	Sept. 1-30.....	4		
Grant.....	do.....	12		
Multnomah.....	do.....	2		
Yamhill.....	do.....	1		
Total for State.....		19		
Benton.....	Oct. 1-31.....	1		
Grant.....	do.....	1		
Lincoln.....	do.....	2		
Linn.....	do.....	1		
Total for State.....		5		
<b>Texas.....</b>	Sept. 1-30.....		6	
<b>Wisconsin.....</b>	July 1-Sept. 30....			2 cases in Rock County.
Counties—				
Adams.....	Nov. 1-30.....	1		
Bayfield.....	do.....	4		
Dane.....	do.....	36		
Douglas.....	do.....	60		
La Crosse.....	do.....	1		
Outagamie.....	do.....	2		
Rock.....	do.....	1		
Wood.....	do.....	8		
Total for State.....		113		

## SMALLPOX IN THE UNITED STATES—Continued.

## REPORTS RECEIVED FROM JULY 1 TO DEC. 8, 1911.

[For reports received from Dec. 31, 1910, to June 30, 1911, see Public Health Reports for June 30, 1911. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Places.	Date.	Cases.	Deaths.	Remarks.
<b>*Alabama:</b>				
Mobile.....	June 18-24.....	3.....	.....	
Montgomery.....	June 25-Aug. 30....	6.....	.....	
Total for State.....		9.....	.....	
<b>Arizona:</b>				
County—				
Cochise.....	July 1-31.....	7.....	.....	Aug. 1-31, no cases.
<b>California:</b>				
County—				
Alameda.....	Aug. 1-31.....	1.....	.....	
Fresno.....	Aug. 1-Oct. 31.....	16.....	.....	
Los Angeles.....	May 1-Oct. 31.....	13.....	.....	
Marin.....	Oct. 1-31.....	1.....	.....	
Sacramento.....	Aug. 1-Sept. 30....	3.....	.....	
San Bernardino.....	Aug. 1-Oct. 31.....	9.....	.....	
Santa Cruz.....	May 1-31.....	2.....	.....	
San Diego.....	May 1-July 31.....	1.....	.....	
San Francisco.....	May 1-Sept. 30....	8.....	.....	
San Luis Obispo.....	Oct. 1-31.....	1.....	.....	
San Joaquin.....	Aug. 1-Sept. 30....	2.....	.....	
Siskiyou.....	Aug. 1-Oct. 31.....	3.....	.....	
Tulare.....	Aug. 1-31.....	1.....	.....	
Ventura.....	July 1-Aug. 31.....	2.....	.....	
Total for State.....		63.....	2.....	
<b>Colorado:</b>				
County—				
Archuleta.....	Aug. 1-31.....	1.....	.....	
Boulder.....	June 1-July 31.....	3.....	.....	
Chaffee.....	June 1-30.....	3.....	.....	
Clear Creek.....	June 1-July 31.....	8.....	.....	
Conejos.....	do.....	4.....	.....	
Costilla.....	June 1-30.....	1.....	.....	
Delta.....	do.....	7.....	.....	
Denver.....	June 1-Oct. 31.....	50.....	.....	
El Paso.....	do.....	3.....	.....	
Fremont.....	Aug. 1-Oct. 31.....	3.....	.....	
Huerfano.....	June 1-Aug. 31.....	7.....	.....	
Jefferson.....	Aug. 1-31.....	1.....	.....	
Kiowa.....	July 1-Oct. 31.....	8.....	.....	
Lake.....	June 1-Sept. 30....	10.....	.....	
La Plata.....	June 1-July 31.....	7.....	.....	
Larimer.....	June 1-Aug. 31.....	10.....	.....	
Las Animas.....	Aug. 1-31.....	1.....	.....	
Lincoln.....	June 1-30.....	2.....	.....	
Logan.....	Oct. 1-31.....	1.....	.....	
Mesa.....	June 1-30.....	1.....	.....	
Morgan.....	Aug. 1-31.....	3.....	.....	
Montrose.....	July 1-31.....	2.....	.....	
Otero.....	do.....	1.....	.....	
Phillips.....	June 1-Oct. 31.....	2.....	.....	
Pueblo.....	do.....	9.....	.....	
San Miguel.....	June 1-30.....	1.....	.....	
Summit.....	Sept. 1-30.....	4.....	.....	
Washington.....	June 1-July 31.....	11.....	.....	
Weld.....	July 1-Sept. 30....	2.....	.....	
Total for State.....		166.....	.....	
<b>Connecticut:</b>				
Middlesex County.....	July 1-Aug. 31.....	2.....	.....	
<b>District of Columbia:</b>				
.....	July 2-8.....	5.....	.....	
<b>Florida:</b>				
County—				
Alachua.....	Aug. 20-Nov. 18....	5.....	.....	
Bradford.....	July 17-Sept. 30....	8.....	.....	
Citrus.....	July 9-Oct. 21.....	4.....	.....	
Columbia.....	July 2-Nov. 11.....	2.....	.....	
De Soto.....	June 16-Aug. 26....	7.....	.....	
Duval.....	June 16-Sept. 23....	44.....	1.....	
Escambia.....	June 16-Aug. 26....	7.....	.....	
Gadsden.....	July 9-Sept. 23.....	72.....	.....	

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Dec. 8, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Florida—Continued.</b>				
<b>Counties—Continued.</b>				
Hillsboro.....	June 16–Aug. 26...	3	.....	
Jackson.....	July 2–Sept. 30...	57	.....	
Jefferson.....	Sept. 16–Nov. 11...	40	.....	
Leon.....	June 16–Nov. 11...	12	.....	
Levy.....	July 9–16.....	1	.....	
Madison.....	Sept. 10–16.....	2	.....	
Manatee.....	June 16–July 8.....	8	.....	
Marion.....	July 9–Sept. 16.....	2	.....	
Orange.....	June 16–July 16.....	2	.....	
Pasco.....	July 9–16.....	20	.....	
Polk.....	June 16–July 16.....	5	.....	
Putnam.....	Nov. 5–11.....	2	.....	
Santa Rosa.....	July 9–16.....	6	.....	
Sumter.....	Aug. 1–6.....	1	.....	
Volusia.....	July 9–16.....	1	.....	
Washington.....	Aug. 1–Nov. 11.....	12	.....	
Total for State.....		323	1	
<b>Indiana:</b>				
<b>Counties—</b>				
Adams.....	Aug. 1–31.....	1	.....	
Allen.....	June 1–30.....	1	.....	
Bartholomew.....	July 1–31.....	1	.....	
Benton.....	June 1–30.....	2	.....	
Blackford.....	do.....	4	.....	
Boone.....	Aug. 1–31.....	1	.....	
Cass.....	do.....	1	.....	
Clarke.....	July 1–31.....	2	.....	
Clinton.....	June 1–30.....	7	.....	
Delaware.....	June 1–Aug. 31.....	14	.....	
Franklin.....	July 1–31.....	1	.....	
Henry.....	June 1–Sept. 30.....	3	.....	
Howard.....	do.....	43	.....	
Jay.....	June 1–30.....	2	.....	
Lake.....	Aug. 1–31.....	3	.....	
Laporte.....	June 1–30.....	2	.....	
Madison.....	June 1–Aug. 31.....	21	.....	
Marion.....	do.....	4	.....	
Orange.....	Aug. 1–31.....	2	.....	
Parke.....	June 1–July 31.....	4	.....	
Posey.....	June 1–30.....	3	.....	
Rush.....	Aug. 1–31.....	3	.....	
Shelby.....	June 1–30.....	3	.....	
Tippecanoe.....	July 1–31.....	2	.....	
Tipton.....	June 1–Sept. 30.....	7	.....	
Vanderburg.....	June 1–Aug. 31.....	1	1	
Vigo.....	July 1–Sept. 30.....	25	.....	
Wabash.....	June 1–30.....	2	.....	
Wayne.....	June 1–July 31.....	13	.....	
Total for State.....		178	1	
<b>Iowa:</b>				
<b>Counties—</b>				
Adams.....	June 1–July 31.....	19	.....	
Appanoose.....	June 1–30.....	1	.....	
Blackhawk.....	do.....	4	.....	
Butler.....	Oct. 1–31.....	2	.....	
Carroll.....	June 1–30.....	1	.....	
Davis.....	do.....	3	.....	
Decatur.....	June 1–July 31.....	2	.....	
Fremont.....	June 1–Sept. 30.....	11	.....	
Henry.....	June 1–Oct. 31.....	3	.....	
Johnson.....	July 1–31.....	13	.....	
Lee.....	June 1–30.....	1	.....	
Linn.....	July 1–Oct. 31.....	11	.....	
Madison.....	Sept. 1–Oct. 31.....	2	.....	
Marshall.....	June 1–Aug. 31.....	9	.....	
Mills.....	June 1–30.....	1	1	
Polk.....	June 1–Sept. 30.....	14	.....	
Pottawattamie.....	June 1–Oct. 31.....	59	.....	
Scott.....	June 1–Sept. 30.....	7	.....	
Sioux.....	June 1–July 31.....	8	.....	
Taylor.....	do.....	9	.....	
Wapello.....	June 1–Aug. 31.....	5	.....	
Wright.....	June 1–30.....	1	.....	
Woodbury.....	July 1–31.....	1	.....	
Total for State.....		187	1	

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Dec. 8, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Kansas:</b>				
Counties—				
Allen.....	May 1-31.....	7		
Anderson.....	June 1-30.....	15		
Atchison.....	May 1-June 30.....	2		
Barton.....	do.....	8		
Brown.....	Aug. 1-31.....	5		
Clark.....	July 1-Sept. 30.....	6		
Clay.....	May 1-31.....	1		
Cloud.....	do.....	1		
Cowley.....	Sept. 1-30.....	3		
Crawford.....	May 1-July 31.....	19		
Dickinson.....	May 1-31.....	13		
Doniphan.....	do.....	15		
Douglas.....	May 1-Aug. 31.....	5		
Elk.....	May 1-31.....	15		
Ellsworth.....	June 1-30.....	1		
Franklin.....	May 1-31.....	4		
Graham.....	May 1-June 30.....	3		
Harvey.....	May 1-Aug. 31.....	33		
Haskell.....	May 1-31.....	19		
Jefferson.....	May 1-July 31.....	9		
Jewell.....	July 1-Aug. 31.....	7		
Johnson.....	May 1-June 30.....	5		
Kearny.....	June 1-July 31.....	2		
Labette.....	May 1-Aug. 31.....	14		
Lane.....	June 1-30.....	11		
Leavenworth.....	May 1-June 30.....	3		
Lyon.....	July 1-Aug. 30.....	3		
Marion.....	May 1-31.....	3		
Marshall.....	do.....	3		
Miami.....	do.....	3		
Mitchell.....	do.....	6		
Montgomery.....	do.....	5		
Norton.....	June 30.....	9		
Osage.....	May 1-31.....	1	3	
Pottawatomie.....	do.....	2		
Reno.....	do.....	3		
Republic.....	May 1-Aug. 31.....	5		
Rice.....	June 30.....	13		
Riley.....	May 1-June 30.....	9		
Rooks.....	May 1-July 31.....	13		
Saline.....	May 1-Aug. 31.....	8		
Sedgwick.....	May 1-Sept. 30.....	23		
Shawnee.....	May 1-Aug. 31.....	73	17	
Sherman.....	June 1-30.....	1		
Smith.....	May 1-31.....	18		
Thomas.....	do.....	2		
Washington.....	do.....	1		
Wyandotte.....	May 1-Sept. 30.....	29		
Total for State.....		464	20	
<b>Kentucky:</b>				
Counties—				
Covington.....	July 2-22.....	10		
Louisville.....	May 1-31.....	4		
Total for State.....		14		
<b>*Louisiana:</b>				
Parishes—				
Ascension.....	Mar. 1-31.....	21		
Morehouse.....	Apr. 1-30.....	4		
Orleans—				
New Orleans.....	June 25-Oct. 11.....	6		
St. Tammany.....	Mar. 1-31.....	3		
Tangipahoa.....	Mar. 1-Apr. 30.....	21		
Total for State.....		55		
<b>Maine, entire State.....</b>				
Counties—				
Androscoggin.....	Aug. 1-31.....	3		July 1-31, no cases.
Somerset.....	June 1-30.....	3		
Total for State.....		6		
<b>Maryland.....</b>				
Counties—				
Frederick.....	June 1-July 31.....	3		No case in August, September, or October.
Prince Georges.....	July 1-31.....	1		
Washington.....	June 1-30.....	1		
Total for State.....		5		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Dec. 8, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Massachusetts.</b>				No case in July, August, and October.
Counties—				
Bristol.....	Sept. 1-30.....	1		
Middlesex.....	June 1-30.....	1		
Total for State.....		2		
<b>Michigan:</b>				
Counties—				
Antrim.....	June 1-30.....	2		
Berrien.....	Oct. 1-31.....	1		
Calhoun.....	June 1-July 31.....	12		
Cheboygan.....	July 1-31.....	10		
Grand Traverse.....	June 1-Sept. 30.....	7		
Gratiot.....	Aug. 1-Sept. 30.....	3		
Isabella.....	June 1-30.....	1		
Mackinac.....	June 1-Aug. 31.....	8		
Marquette.....	June 1-30.....	1		
Milford.....	July 1-31.....	1		
Montcalm.....	July 1-Aug. 31.....	8		
Muskegon.....	July 1-31.....	2		
Oakland.....	June 1-30.....	1		
Ottawa.....	do.....	1		
Saginaw.....	Sept. 1-30.....	1		
St. Clair.....	June 1-Sept. 30.....	23		
Shiawassee.....	June 1-30.....	1		
Tuscola.....	Sept. 1-30.....	1		
Washtenaw.....	June 1-July 31.....	6		
Wayne.....	June 1-Oct. 31.....	12		
Total for State.....		102		
<b>Minnesota:</b>				
Counties—				
Ramsey.....	Mar. 1-31.....		1	
	May 1-31.....		1	
Brown.....	June 20-26.....	2		
Carver.....	June 1-5.....	1		
Chisago.....	Oct. 19-23.....	1		
Dodge.....	July 4-Sept. 25.....	5		
Faribault.....	June 6-17.....	2		
Fillmore.....	June 6-Oct. 23.....	3		
Goodhue.....	July 25-31.....	1		
Hennepin.....	June 1-Oct. 30.....	60		
Houston.....	July 25-31.....	1		
Isanti.....	Oct. 24-30.....	1		
Lac qui Parle.....	June 1-19.....	4		
Mille Lacs.....	June 1-5.....	1		
Otter Tail.....	June 1-Sept. 18.....	8		
Ramsey.....	June 1-Oct. 30.....	130		
Redwood.....	Aug. 15-21.....	1		
Rock.....	Aug. 29-Sept. 4.....	1		
St. Louis.....	June 21-Oct. 23.....	17		
Scott.....	Oct. 9-16.....	5		
Wadena.....	July 11-Aug. 7.....	3		
Yellow Medicine.....	June 1-26.....	35		
Total for State.....		282	2	
<b>*Missouri:</b>				
Kansas City.....	June 1-Oct. 31.....	23	2	
St. Louis.....	June 18-Sept. 2.....	2		
Total for State.....		25	2	
<b>Montana.</b>				June 1-30, no case.
Counties—				
Beaverhead.....	July 1-31.....	1		
Cascade.....	do.....	1		
Jefferson.....	do.....	4		
Park.....	do.....	1		
Powell.....	do.....	2		
Silver Bow.....	do.....	3		
Teton.....	do.....	3		
Yellowstone.....	do.....	1		
Total for State.....		16		
<b>*Nebraska:</b>				
Lincoln.....	Feb. 1-Sept. 30.....	201		July 1-31, no case.
Omaha.....	June 19-Aug. 19.....	4		
South Omaha.....	Aug. 20-26.....	1		
Total for State.....		206		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Dec. 8, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
New Hampshire.....	June 9-Sept. 30....	45		No cases in June, August, and October.
New Jersey.....				
Counties—				
Cumberland.....	Sept. 1-30.....	1		
Middlesex.....	July 1-31.....	1		
Total for State.....		2	1	
New York.....	June 1-30.....	1		
Counties—				
Albany.....	Sept. 1-30.....	2		
Cattaraugus.....	July 1-Oct. 31.....	10		
Erie.....	June 1-Oct. 31.....	20		
Clinton.....	June 1-30.....	1		
Franklin.....	do.....	1		
Jefferson.....	Aug. 1-31.....	1		
Monroe.....	June 1-30.....	4		
New York.....	Oct. 1-31.....	1		
Onondaga.....	June 1-Aug. 31.....	10		
Otsego.....	June 1-30.....	1		
St. Lawrence.....	do.....	4		
Schoharie.....	July 1-31.....	11		
Steuben.....	July 1-Sept. 30.....	9		
Tioga.....	June 1-30.....	1		
Ulster.....	do.....	5		
Wayne.....	July 1-31.....	1		
Wyoming.....	July 1-Oct. 31.....	7		
Total for State.....		90		
North Carolina:				
Counties—				
Alamance.....	June 1-July 31.....	2		
Anson.....	Sept. 1-30.....	16		
Avery.....	June 1-July 31.....	56		
Bertie.....	do.....	2		
Catawba.....	June 1-Sept. 30.....	3		
Chatham.....	June 1-Aug. 31.....	2		
Craven.....	do.....	3		
Cumberland.....	June 1-Sept. 30.....	9		
Currituck.....	July 1-31.....	1		
Duplin.....	do.....	3		
Durham.....	July 1-Aug. 31.....	5		
Edgecombe.....	June 1-30.....	4		
Forsyth.....	Sept. 1-30.....	1		
Granville.....	July 1-Sept. 30.....	29		
Gulford.....	Aug. 1-31.....	3		
Harnett.....	Aug. 1-Sept. 30.....	3		
Haywood.....	June 1-Sept. 30.....	4		
Henderson.....	June 1-30.....	4		
Hoke.....	Sept. 1-30.....	1		
Johnston.....	July 1-31.....	1		
Lincoln.....	Sept. 1-30.....	1		
McDowell.....	Aug. 1-31.....	1		
Mecklenburg.....	July 1-Sept. 30.....	10		
Mitchell.....	Sept. 1-30.....	1		
New Hanover.....	June 1-July 31.....	7		
Pasquotank.....	June 1-30.....	2		
Randolph.....	Sept. 1-30.....	1		
Robeson.....	July 1-Sept. 30.....	16		
Rockingham.....	Sept. 1-30.....	2		
Rowan.....	June 1-July 31.....	2		
Sampson.....	July 1-31.....	1		
Vance.....	Aug. 1-Sept. 30.....	20		
Warren.....	July 1-Aug. 31.....	11		
Watauga.....	June 1-30.....	2		
Wayne.....	July 1-31.....	1		
Wilmington.....	do.....	3		
Yancey.....	Sept. 1-30.....	2		
Total for State.....		235		
North Dakota:				
Counties—				
Billings.....	June 1-July 31.....	8		
Cass.....	Aug. 1-Sept. 30.....	5		
Cavalier.....	Sept. 1-30.....	4		
Grand Forks.....	do.....	2		
Lamoure.....	July 1-Sept. 30.....	7		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Dec. 8, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>North Dakota—Continued.</b>				
<b>Counties—Continued.</b>				
McKenzie.....	Aug. 1-31.....	1.....		
Morton.....	June 1-30.....	1.....		
Mountrail.....	do.....	6.....		
Nelson.....	Aug. 1-31.....	4.....		
Ward.....	June 1-30.....	1.....		
Total for State.....		39.....		
<b>Ohio:</b>				
<b>Counties—</b>				
Allen.....	Sept. 1-30.....	5.....		
Ashtabula.....	June 1-July 31.....	3.....		
Brown.....	June 1-30.....	4.....		
Clark.....	July 1-31.....	19.....		
Clermont.....	June 1-30.....	3.....		
Defiance.....	June 1-Oct. 31.....	1.....		
Franklin.....	July 1-31.....	44.....		
Geauga.....	June 1-30.....	2.....		
Hamilton.....	July 1-Sept. 30.....	21.....		
Licking.....	July 1-31.....	1.....		
Lorain.....	do.....	5.....		
Lucas.....	July 1-Aug. 31.....	6.....		
Pickaway.....	July 1-31.....	3.....		
Ross.....	Aug. 1-31.....	9.....		
Sandusky.....	June 1-30.....	4.....		
Total for State.....		149.....		
<b>Oklahoma:</b>				
<b>Counties—</b>				
Beckham.....	Sept. 1-30.....	1.....		
Bryan.....	June 1-30.....	1.....		
Caddo.....	May 1-31.....	1.....		
Carter.....	June 1-30.....	1.....		
Cleveland.....	May 1-June 30.....	49.....		
Comanche.....	June 1-Aug. 31.....	9.....		
Craig.....	June 1-30.....	6.....		
Custer.....	May 1-31.....	5.....		
Dewey.....	do.....	6.....		
Ellis.....	June 1-30.....	3.....		
Garvin.....	May 1-31.....	19.....		
Haskell.....	May 1-July 31.....	9.....		
Hughes.....	May 1-Aug. 31.....	9.....		
Jefferson.....	May 1-June 30.....	7.....		
Johnson.....	May 1-31.....	3.....		
Kay.....	do.....	6.....		
Kingfisher.....	do.....	1.....		
Kiowa.....	do.....	1.....		
Le Flore.....	May 1-June 30.....	3.....		
Logan.....	June 1-30.....	1.....		
McClain.....	May 1-31.....	18.....		
McIntosh.....	do.....	1.....		
Nowata.....	May 1-June 30.....	2.....		
Okluskee.....	May 1-31.....	1.....		
Oklahoma.....	May 1-Sept. 30.....	11.....		
Pittsburg.....	June 1-30.....	1.....		
Pontotoc.....	May 1-Sept. 30.....	6.....		
Pottawatomie.....	June 1-30.....	3.....		
Pushmataha.....	May 1-31.....	2.....		
Roger Mills.....	May 1-June 30.....	6.....		
Rogers.....	July 1-31.....	1.....		
Seminole.....	May 1-June 30.....	16.....		
Sequayah.....	Aug. 1-31.....	3.....		
Tulsa.....	May 1-Aug. 31.....	11.....		
Wagoner.....	May 1-31.....	1.....		
Washington.....	June 1-30.....	1.....		
Washita.....	May 1-June 30.....	2.....		
Woodward.....	May 1-31.....	1.....		
Total for State.....		228.....		
<b>Oregon:</b>				
<b>Counties—</b>				
Baker.....	June 1-30.....	1.....		
Benton.....	May 1-31.....	1.....		
Coos.....	Aug. 1-31.....	1.....		
Douglas.....	Apr. 1-30.....	1.....		
Grant.....	Aug. 1-31.....	3.....		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Dec. 8, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Oregon—Continued.</b>				
Counties—Continued.				
Josephine.....	Aug. 1-31.....	1		
Linn.....	Apr. 1-July 31.....	2		
Morrow.....	May 1-31.....	1		
Multnomah.....	Apr. 1-July 31.....	15		
Union.....	June 1-30.....	1		
Wasco.....	do.....	8		
Washington.....	Apr. 1-June 30.....	7		
Yamhill.....	June 1-30.....	1		
Total for State.....		43		
Pennsylvania.....	May 1-June 30.....	79		
*Rhode Island:				
Providence.....	June 15-Nov. 19..	4		
*South Carolina:				
Port Royal.....	July 22.....	1		
South Dakota:				
Counties—				
Aurora.....	June 1-July 31.....	3		
Beadle.....	May 1-31.....	13		
Brookings.....	Apr. 1-30.....	9		
Brown.....	Apr. 1-June 30.....	10		
Brule.....	Apr. 1-May 21.....	6		
Charles Mix.....	June 1-30.....	1		
Clay.....	Oct. 1-31.....	2		
Codington.....	June 1-Aug. 31.....	8		
Davison.....	May 1-July 31.....	7		
Day.....	June 1-30.....	1		
Dewey.....	June 1-Aug. 31.....	5		
Fall River.....	Apr. 1-May 31.....	18		
Grant.....	do.....	4		
Hamilton.....	Sept. 1-30.....	1		
Hanson.....	May 1-31.....	1		
Hughes.....	June 1-30.....	1		
Hutchinson.....	Apr. 1-Sept. 30.....	4		
Jerauld.....	May 1-June 30.....	6		
Kingsbury.....	Apr. 1-May 31.....	8		
Lawrence.....	Apr. 1-July 31.....	7		
Lincoln.....	do.....	3		
Lyman.....	Apr. 1-May 31.....	16	1	
McCook.....	do.....	11		
Miner.....	Apr. 1-June 30.....	5		
Minnehaha.....	do.....	15		
Pennington.....	do.....	48		
Roberts.....	Sept. 1-30.....	1		
Sanborn.....	May 1-31.....	3		
Spink.....	Apr. 1-Aug. 31.....	9		
Tripp.....	Apr. 1-Sept. 30.....	12		
Turner.....	July 1-31.....	5		
Total for State.....		243	1	
Tennessee:				
Counties—				
Knox.....				
Knoxville.....	June 18-July 22.....	9		
Shelby.....	June 1-Aug. 31.....	10		
Total for State.....		19		
Texas.....				
	May 1-31.....	12		
	July 1-31.....	1	1	
Counties—				
Brazoria.....	Aug. 1-Sept. 30.....	5		
Bell.....	June 1-30.....	2		
Cameron.....	May 1-Aug. 31.....	34		
Childress.....	June 1-30.....	1		
Collin.....	May 1-31.....	5		
Dallas.....	do.....	13		
Denton.....	Apr. 1-May 31.....	5		
Eastland.....	Aug. 1-31.....	5		
El Paso.....	May 1-July 31.....	11		
Floyd.....	May 1-31.....	3		
Galveston.....	May 1-June 30.....	7		
Hale.....	Sept. 1-30.....	1		



## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Dec. 8, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Texas—Continued.</b>				
<b>Counties—Continued.</b>				
Hall.....	May 1-June 30.....	4	.....	
Harris.....	May 1-Aug. 31.....	6	.....	
Hidalgo.....	May 1-31.....	3	.....	
Hunt.....	June 1-July 31.....	5	.....	
Marion.....	May 1-31.....	1	.....	
McLennan.....	do.....	1	.....	
Navarro.....	do.....	32	.....	
Nueces.....	do.....	5	.....	
Tarrant.....	May 1-June 30.....	9	.....	
Titus.....	May 1-31.....	5	.....	
Victoria.....	July 1-31.....	1	.....	
Wayne.....	June 1-30.....	5	.....	
Wharton.....	Sept. 1-30.....	1	.....	
Wichita.....	May 1-31.....	6	.....	
Total for State.....		189	1	
<b>Utah:</b>				
<b>Counties—</b>				
Beaver.....	May 1-July 31.....	18	.....	
Boxelder.....	do.....	31	.....	
Cache.....	May 1-June 30.....	14	.....	
Carbon.....	May 1-Sept. 30.....	118	2	
Emery.....	May 1-Oct. 31.....	118	1	
Garfield.....	May 1-Aug. 31.....	20	.....	
Juab.....	July 1-Sept. 30.....	6	.....	
Piute.....	May 1-31.....	9	.....	
Rich.....	July 1-31.....	16	.....	
Salt Lake.....	May 1-Oct. 31.....	45	.....	
Sanpete.....	do.....	67	.....	
Sevier.....	do.....	57	.....	
Tooele.....	May 1-June 30.....	33	.....	
Uinta.....	May 1-Oct. 31.....	28	.....	
Utah.....	May 1-July 31.....	18	1	
Washington.....	do.....	1	.....	
Weber.....	do.....	11	.....	
Wayne.....	Oct. 1-31.....	4	.....	
Total for State.....		615	4	
<b>Virginia:</b>				
<b>Counties—</b>				
Augusta.....	Aug. 1-Oct. 31.....	13	.....	
Brunswick.....	Mar. 1-Oct. 31.....	52	.....	
Campbell.....	May 1-Aug. 31.....	2	.....	
Chesterfield.....	Sept. 1-30.....	1	.....	
Dinwiddie.....	Apr. 1-May 31.....	19	.....	
Essex.....	Aug. 1-31.....	1	.....	
Fairfax.....	Mar. 1-Oct. 31.....	8	.....	
Fauquier.....	Apr. 1-May 30.....	6	.....	
Grayson.....	Sept. 1-30.....	2	.....	
Greenville.....	July 1-31.....	4	.....	
Halifax.....	Aug. 1-31.....	1	.....	
Hanover.....	Mar. 1-July 31.....	3	.....	
Henrico.....	Mar. 1-Aug. 31.....	17	.....	
Henry.....	do.....	77	.....	
Isle of Wight.....	May 1-31.....	1	.....	
Lancaster.....	do.....	1	.....	
Lee.....	Mar. 1-Oct. 31.....	111	.....	
Loudoun.....	Mar. 1-31.....	1	.....	
Mecklenberg.....	Mar. 1-Oct. 31.....	31	.....	
Nansemond.....	Mar. 1-Sept. 30.....	27	.....	
Norfolk.....	Apr. 1-Oct. 31.....	28	.....	
Northampton.....	Apr. 1-30.....	1	.....	
Page.....	do.....	8	.....	
Pittsylvania.....	Mar. 1-July 31.....	46	.....	
Prince William.....	Mar. 1-31.....	1	.....	
Princess Anne.....	do.....	1	.....	
Roanoke.....	May 1-31.....	1	.....	
Southampton.....	Mar. 1-Sept. 30.....	12	.....	
Spotsylvania.....	Sept. 1-30.....	1	.....	
Surry.....	Mar. 1-31.....	2	.....	
Sussex.....	Mar. 1-June 30.....	7	.....	
Wise.....	do.....	15	.....	
Total for State.....		501		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Dec. 8, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Washington:</b>				
<b>Counties—</b>				
Adams.....	June 1-30.....	1	.....	
Benton.....	July 1-31.....	2	.....	
Chehalis.....	May 1-Aug. 31.....	5	.....	
Chelan.....	.....do.....	3	.....	
Challam.....	June 1-30.....	2	.....	
Columbia.....	May 1-Sept. 30.....	6	.....	
Cowlitz.....	.....do.....	5	.....	
Ferry.....	Sept. 1-30.....	1	.....	
Garfield.....	May 1-July 31.....	5	.....	
King.....	May 1-Sept. 30.....	94	.....	
Kitsap.....	June 1-30.....	2	.....	
Kittitas.....	July 1-31.....	2	.....	
Lewis.....	June 1-30.....	2	.....	
Mason.....	May 1-June 30.....	33	.....	
Okanogan.....	June 1-30.....	2	.....	
Pend Oreille.....	Sept. 1-30.....	2	.....	
Pierce.....	May 1-Sept. 30.....	13	.....	
San Juan.....	May 1-31.....	1	.....	
Skagit.....	May 1-Sept. 30.....	6	.....	
Skamania.....	June 1-30.....	1	.....	
Spokane.....	May 1-Sept. 30.....	16	.....	
Thurston.....	May 1-31.....	1	.....	
Whatcom.....	.....do.....	5	.....	
Whitman.....	.....do.....	17	.....	
Yakima.....	May 1-Sept. 30.....	99	.....	
Total for State.....		326	.....	
<b>Wisconsin:</b>				
<b>Counties—</b>				
Ashland.....	June 1-30.....	1	.....	July 1-31, no cases.
Barron.....	June 1-Aug. 31.....	4	.....	
Bayfield.....	Oct. 1-31.....	1	.....	
Douglas.....	June 1-Oct. 31.....	50	.....	
Iowa.....	June 1-30.....	8	.....	
Milwaukee.....	.....do.....	1	.....	
Pierce.....	Aug. 1-Sept. 30.....	10	.....	
Vilas.....	June 1-30.....	1	.....	
Winnebago.....	Oct. 1-31.....	1	.....	
Wood.....	June 1-Oct. 31.....	13	.....	
Total for State.....		90	.....	
Grand total for the United States.....		5,015	36	

## PLAGUE IN THE UNITED STATES.

REPORTS RECEIVED FROM JULY 25 TO DEC. 8, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>California:</b>				
<b>Counties—</b>				
Alameda—				
Oakland.....	Aug. 9.....	1	.....	Infection received at Pinole Canyon, Contra Costa County, Cal. 1 mile nw. of Lafayette. 2 miles ne. of Ripon.
Contra Costa.....	July 25-26.....	1	1	
San Joaquin.....	Sept. 18.....	1	.....	

## MORBIDITY AND MORTALITY.

## MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES, FOR WEEK ENDED NOV. 25, 1911.

Cities.	Popula- tion, United States census 1910.	Total deaths from all causes.	Diph- theria.		Measles.		Scarlet fever.		Small- pox.		Tuber- culosis.		Ty- phoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cities having over 500,000 inhabitants.														
Baltimore, Md.	558,485	50	25	2	1	1	21	1			31	21	21	5
Boston, Mass.	670,585	168	35	1	36		28		11		42	15	14	2
Chicago, Ill.	2,185,283	643	213	20	21		126	12			171	81	35	2
New York, N. Y.	4,766,883	1,378	251	15	153	2	178	2			388	170	87	14
Philadelphia, Pa.	1,549,008	436	77	15	6	1	27				91	52	23	4
Pittsburgh, Pa.	533,905	159	38	3	6		31	1				13	17	3
St. Louis, Mo.	687,029	226	26	3	8		20	4			36	14	14	5
Cities having from 300,000 to 500,000 inhabitants.														
Buffalo, N. Y.	423,715	121	29	3	48		22	1				9	3	5
Cincinnati, Ohio.	364,463	132	10		2		33	1	1		25	22	3	3
Detroit, Mich.	465,766	116	43	3			19		2					
Los Angeles, Cal.	319,198		28	3	2		26		5	1		12	5	2
Milwaukee, Wis.	373,857	89	34	3	18		33				14	7	14	2
Newark, N. J.	347,469	93	38	2			15				26	10	2	1
New Orleans, La.	339,075	130	8	1		1	19		1		43	12	7	1
San Francisco, Cal.	416,912	143	9		60	1	6				23	15	7	1
Washington, D. C.	331,069	110	14		7		8	1			17	8	17	2
Cities having from 200,000 to 300,000 inhabitants.														
Jersey City, N. J.	267,779	73		1				1				4		
Kansas City, Mo.	248,381						1				2		5	
Providence, R. I.	224,326	58	22	2	4	1	5	1			13	11	7	1
Seattle, Wash.	237,194	28	14		6		3		2		4	1	3	
Cities having from 100,000 to 200,000 inhabitants.														
Bridgeport, Conn.	102,054	20	3	2			5				2	1	2	
Cambridge, Mass.	104,839	36	11	3			2				4	3	2	
Columbus, Ohio.	181,548	64	16		1		10	2	1		2	4	2	1
Dayton, Ohio.	116,577	39	1									7	5	4
Fall River, Mass.	119,295	29					1				2			
Grand Rapids, Mich.	112,571	29	1				2					1	3	1
Lowell, Mass.	106,294	32	5	1	11		11				4	5		
Nashville, Tenn.	110,364	38	1		1		1				3	4	7	1
Omaha, Nebr.	124,096	39	10	1			3	1				2	1	
Spokane, Wash.	104,402		2		2		2		6			1		
Toledo, Ohio.	168,497	48	8		3		19	1				5	6	3
Worcester, Mass.	145,986	46	6				7				9	6		
Cities having from 50,000 to 100,000 inhabitants.														
Altoona, Pa.	52,127	14	4								1	3		
Bayonne, N. J.	55,545	17					3				1	1		
Brockton, Mass.	56,878	6			2		1				3	2		
Camden, N. J.	94,538	4	3				3				2		1	
Covington, Ky.	53,270	12	1				4				1	3	1	
Evansville, Ind.	69,647	16	5				2					2	4	
Harrisburg, Pa.	64,186	15	8	2			2	1			3	1	1	
Hartford, Conn.	98,915	34	17	1			5				1	2	5	
Hoboken, N. J.	70,324		6	1			2				1			
Houston, Tex.	78,800	40	1									3		1
Johnstown, Pa.	55,482	14	1				2	1			5	1		
Lawrence, Mass.	85,892	23	2				2				1	2	3	
Lynn, Mass.	89,336	13	3				5				1	1	1	
Manchester, N. H.	70,063	21	5	1	2		1		1					
New Bedford, Mass.	96,652	22	3		1		2				7	1	2	
Oklahoma City, Okla.	64,205	17	2	1	1		5					1	4	1
Passaic, N. J.	54,773	16	1		1		2							
Peoria, Ill.	66,950	25	3	1							1	3		
Reading, Pa.	96,071	34	5				4				2	2	5	1
San Antonio, Tex.	96,614	40	3				1					4	3	
Schenectadv, N. Y.	72,826	17	1		4						4	3		

¹ At quarantine.

## MORBIDITY AND MORTALITY—Continued.

*Morbidity and mortality table, cities of the United States, for week ended Nov. 25, 1911—Continued.*

Cities.	Popula- tion, United States census 1910.	Total deaths from all causes.	Diph- theria.		Measles.		Scarlet fever.		Small- pox.		Tuber- culosis.		Ty- phoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cities having from 50,000 to 100,000 inhabitants—Continued.														
South Bend, Ind.	53,684	10	1				1				1		2	1
Springfield, Mass.	88,926	20	4		13		6				1			
Trenton, N. J.	96,815	48	6	3			1				9	7	17	
Wilkes-Barre, Pa.	67,105	23	5		7		1				3	2		1
Wilmington, Del.	87,411	18		1										
Yonkers, N. Y.	79,803	27	4	1	4		6					4	1	1
Cities having from 25,000 to 50,000 inhabitants.														
Atlantic City, N. J.	46,150	11	3				1							
Aurora, Ill.	29,807	7												
Binghamton, N. Y.	48,443	18									6	2		
Brookline, Mass.	27,792	8	2				2				1			
Butte, Mont.	39,165	17	1				8		1			3		
Chattanooga, Tenn.	44,604		1				3						3	
Chelsea, Mass.	32,452	6	2				3				1		1	
Chicopee, Mass.	25,401	7					2				2		1	
Danville, Ill.	27,871	8			1		2							
Dubuque, Iowa.	38,494	7										1		
East Orange, N. J.	34,371	3	2										1	
Elmira, N. Y.	37,176	6	2		1		1				5		2	
El Paso, Tex.	39,279	21							1			7		
Everett, Mass.	33,484	5	3	1			1							1
Haverhill, Mass.	44,115		1		15		1							
Kalamazoo, Mich.	39,437	13									1		1	
Knoxville, Tenn.	36,346	15					2					3		
La Crosse, Wis.	30,417	8	6	1			1					1		
Lancaster, Pa.	47,227		5				1				1		1	
Lexington, Ky.	35,089	13	3		3						1	1		
Lynchburg, Va.	29,404	4	3				9				3		5	
Malden, Mass.	44,404	11	4				2							
Montgomery, Ala.	38,136	18	8				5					2		
Mount Vernon, N. Y.	30,919				18								4	
Newcastle, Pa.	36,280		8				1						4	
Newport, Ky.	30,309	11	5				3				1	1		
Newton, Mass.	39,906	8	1		5		1						2	
Niagara Falls, N. Y.	30,445	8	3				1					1		
Norristown, Pa.	27,875	12	1		2	1								
Orange, N. J.	29,630	9	4		1		2				2	1		
Pasadena, Cal.	30,291	5					2					1		
Pittsfield, Mass.	32,121	10	1				1				2			
Portsmouth, Va.	33,190	8	4											
Racine, Wis.	38,002	8	2				1							
Roanoke, Va.	34,874	17	12	1	1		3				3	3	1	3
Rockford, Ill.	45,401	7					3					2	9	
Salem, Mass.	43,697	13	1	1			2							
San Diego, Cal.	39,578	17					1				1	1		
South Omaha, Nebr.	26,259	4												
Superior, Wis.	40,384	11	4						21			2		
Taunton, Mass.	34,259	10	1				1						1	
Waltham, Mass.	27,834	9	2		9	1	4				2	1	2	
West Hoboken, N. J.	35,403		5								2		1	
Wheeling, W. Va.	41,641	13	3	1	2		2				1	3	2	1
Williamsport, Pa.	31,860	7			1		3				1		2	
Wilmington, N. C.	25,748	11												
York, Pa.	44,750		1		1				3		4	1		
Zanesville, Ohio.	28,026	13	6	2										2
Cities having less than 25,000 inhabitants.														
Ann Arbor, Mich.	14,817	2			1									
Beaver Falls, Pa.	12,191		2				1							
Bennington, Vt.		2			1									
Braddock, Pa.	19,957	4		2			2					1		
Butler, Pa.	20,782	7	1								1			
Cambridge, Ohio.	11,327	3					1							
Camden, S. C.		3					2							

## MORBIDITY AND MORTALITY—Continued.

*Morbidity and mortality table, cities of the United States, for week ended Nov. 25, 1911—Continued.*

Cities.	Popula- United States census 1910.	Total from all causes.	Diph- theria.		Measles.		Scarlet fever.		Small- pox.		Tuber- culosis.		Ty- phoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<i>Cities having less than 25,000 inhabitants—Continued.</i>														
Carbondale, Pa.	17,040	4	1				1							
Clinton, Mass.	13,075	3	1											
Coffeyville, Kans.	12,687		1				1							
Columbus, Ga.	20,554	5												1
Columbus, Ind.		1												
Concord, N. H.	21,497	10												
Cumberland, Md.	21,839	8	1				1				1		15	
Dunkirk, N. Y.		7	3				2						1	
Galesburg, Ill.	22,089	8	6	1										
Harrison, N. J.	14,498	2												
Homestead, Pa.	18,713	3	5									1		
Hyde Park, Mass.	15,507	3												
Kearny, N. J.	18,659	2	3											
La Fayette, Ind.	12,081	4												
Lebanon, Pa.	19,240	7	7											
Marinette, Wis.	14,610	7			7		3						11	3
Marlboro, Mass.	14,579	5	2								1	2		
Massillon, Ohio	13,879		2				2							
Medford, Mass.	23,150	6					3							
Melrose, Mass.	15,715	2					1				1	1		
Moline, Ill.	24,199	9	2	1										1
Montclair, N. J.	21,150	5	1				1							
Morristown, N. J.	12,507	5	1											
Nanticoke, Pa.	18,857	3	1		12								1	
Newburyport, Mass.	19,240	4									2	1		
North Adams, Mass.	22,012	8	2								2	1		
Northampton, Mass.	19,431	5	2	1							1			
Ottumwa, Iowa	22,012	9	1									1		
Palmer, Mass.		2												
Palo Alto, Cal.		1												
Peekskill, N. Y.		1	1										1	
Plainfield, N. J.	22,550	10					1				1	2		
Pottstown, Pa.		2												
Saratoga Springs, N. Y.		3												
South Bethlehem, Pa.	19,973	6	1		1		1				1	1	2	
Steelton, Pa.	14,246	1	3								2			
Warren, Pa.	11,080	1					4							
Wilkinsburg, Pa.	18,924	7					12					1		
Woburn, Mass.	15,308	5					1							

**STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES OF THE UNITED STATES (Untabulated).**

**FLORIDA.**—Week ended November 25, 1911. Reports from the State board of health show diphtheria present in 6 localities with 12 cases, malaria in 2 localities with 15 cases, tuberculosis in 4 localities with 4 cases, typhoid fever in 10 localities with 10 cases.

**NEW JERSEY.**—Month ended November 10, 1911. Population, 2,537,167. Total number of deaths from all causes, 2,914, including diphtheria 54, measles 3, scarlet fever 5, tuberculosis 358, typhoid fever 36.

**TEXAS.**—Month of September, 1911. Population, 3,896,542. Total number of deaths from all causes 2,102, including diphtheria 25, measles 4, scarlet fever 1, smallpox 6, tuberculosis 222, typhoid fever 106, typhus fever 7.

# FOREIGN AND INSULAR.

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## AUSTRIA-HUNGARY.

### Status of Cholera.

The following information was received from Ambassador Kerens at Vienna:

During the period from October 16 to 22, 7 new cases of cholera with 3 deaths were reported in Austria. The cases occurred at Torre, in the district of Parenzo, Coastlands. During the period from October 23 to 29, 3 new cases with 2 deaths occurred in the same locality. The total number of cases of cholera in Austria from May 24 to October 29 was 86 with 38 deaths.

In Hungary 38 new cases of cholera with 14 deaths were reported during the period from October 15 to 21. The cases occurred in 12 localities. Five new cases with 1 death were reported during the period from October 22 to 28. The city of Ujpest and the towns of Torokbecse, Alsolupko, and Kuman have been declared free from cholera.

From October 29 to November 4 no new case was reported in Austria, while in Hungary 15 cases with 8 deaths were reported in 8 localities.

## BULGARIA.

### Cholera on Steamship Boris at Varna.

Consul General Harvey, at Bucharest, reports November 15:

On October 18 the steamship *Boris* arrived at Varna with a case of cholera on board in the person of a passenger from Asia Minor. The patient died October 21. The case was bacteriologically verified.

## HAWAII.

### Smallpox on Steamship Willesden.

Dr. Ramus reports, December 4, the arrival at Honolulu of the steamship *Willesden* from European ports with 18 cases of smallpox on board and a history of 27 deaths at sea.

The *Willesden* left Oporto October 3, Madeira October 6, Gibraltar October 12, for Honolulu and ports in China and Japan, and passed Punta Arenas, Chile, November 7.

Dr. Ramus further reported, December 9, that a death from smallpox in the hemorrhagic form had occurred December 8 and that the total number of cases to December 8 was 24 with 2 deaths.

## INDIA.

### Calcutta—Cholera and Plague.

Acting Asst. Surg. Allan reports November 9:

During the week ended October 21, 32 deaths from cholera and 5 from plague were reported in Calcutta; in all Bengal, 99 cases of plague with 77 deaths; in all India, 9,588 cases of plague with 7,185 deaths.

**Madras—Cholera.**

Consul Olivares reports November 7:

During the week ended November 4, 90 cases of cholera with 70 deaths occurred in the city of Madras, as compared with 90 cases with 64 deaths, as reported during the preceding week. Cholera has also increased in the district of Madura, 116 cases with 49 deaths having occurred during the week under report, as compared with 75 cases with 35 deaths reported during the previous week.

**ITALY.****Naples—Examination of Emigrants.**

Passed Asst. Surg. Robinson reports, November 21:

*Vessel inspected at Naples week ended Nov. 18.*

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Nov. 14	Sant' Anna.....	New York.....	878	255	1,120

**MALTA.****Cholera.**

Consul Laing reports, November 14:

From October 15 to November 11, 22 cases of cholera with 10 deaths were bacteriologically verified in the island of Malta.

**MONTENEGRO.****Cholera.**

Information was received December 6 from the American legation at Athens, Greece, of the occurrence of 9 cases of cholera with 6 deaths at Antivari, the seaport of Montenegro.

**MOROCCO.****Tangier Declared Free From Plague.**

According to information received from the American minister to Morocco December 4, the city of Tangier has been declared free from plague.

**SERVIA.****Examinations for Cholera Infection.**

The following information was received from the ministry for foreign affairs at Belgrade:

During the period from August 1 to October 14, 48 persons were removed to the detention barracks for examination as cholera suspects or contacts. Among these, 4 cases of cholera, 2 of which ended fatally, September 10 and 30, were bacteriologically verified. Two persons who were in contact with one of the fatal cases were bacteriologically proved to be cholera carriers.

## SWEDEN.

## Poliomyelitis.

Consul Fuller reports November 17:

Poliomyelitis has been prevalent in Sweden during the present year. The total number of cases reported from May 1 to October 15 was 2,390, of which 339 cases occurred in towns. The greatest number of cases occurred in Jonkoping County, in the consular district of Gothenburg. The first case in the city of Gothenburg occurred in August and, to November 17, 5 cases were reported, the last case in the city being reported November 12. Five cases were brought to Gothenburg for treatment. The disease has not been confined to children but has attacked many adults. The origin of the outbreak has not been determined.

## TUNIS.

## Status of Cholera.

The following information was received from the ministry of foreign affairs at Paris:

During the period from October 23 to 31, 779 cases of cholera were reported in the Regency of Tunis and during the period from November 1 to 8, 520 cases. The cities of Tunis and Beja were officially declared free from cholera November 3 and the city of Bizerta November 4.

From November 9 to 15, 291 deaths from cholera were reported in the civil jurisdiction of Tunis.

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.

## REPORTS RECEIVED DURING WEEK ENDED DEC. 15, 1911.

[These tables include cases and deaths recorded in reports received by the Surgeon General, Public Health and Marine-Hospital Service, from American consuls through the Department of State, and from other sources.]

## CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Bulgaria:				
Varna.....	Oct. 18.....	1		On s. s. Boris from Asia Minor.
Dutch East Indies.....	July 17-Aug. 22....	127	90	
Java.....	Oct. 22-28.....	9	2	
France:				
Marseille.....	Oct. 1-31.....		13	
India:				
Calcutta.....	Oct. 15-21.....		32	
Madras.....	Oct. 29-Nov. 4....	90	70	
Italy.....				Total, Nov. 5 to 11: Cases 112, deaths 59.
Provinces—				
Calatabriano.....	Nov. 5-11.....	2	2	
Palermo.....	.....do.....	3		
Palermo.....	.....do.....	4		
Rome.....	.....do.....	3	1	
Nine other provinces.....	.....do.....	102	57	
Malta.....	Oct. 15-Nov. 11....	22	10	
Montenegro:				
Antivari.....	Dec. 6.....	9	6	
Russia.....	Oct. 15-Nov. 4....			Total cases 16, deaths 6.
Bessarabia, government.....	.....do.....	1		
Don territory.....	.....do.....	4	3	
Novorossisk.....	.....do.....	1		
Rostov on Don.....	.....do.....	5		
Saratov, government.....	.....do.....	3	3	
Taganrog district.....	.....do.....	1	1	
Taganrog.....	.....do.....	1		



**CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.****Reports Received during week ended Dec. 15, 1911.****CHOLERA—Continued.**

Places.	Date.	Cases.	Deaths.	Remarks.
Servia:				
Belgrade .....	Oct. 22-28 .....	2	1	
Straits Settlements:				
Singapore .....	Oct. 15-21 .....	21	24	
Tunis Regency .....				Total Oct. 23-30: Cases 780,
Bizerta .....	Oct. 23-30 .....	219	195	deaths 713.
Tunis .....	do. ....	5	1	
Turkey in Asia:				
Damascus .....	Oct. 22-Nov. 5 .....	14	8	
Haifa .....	Nov. 6-12 .....	2	1	
Medina .....	Nov. 4-11 .....	14	13	
Mersina .....	Nov. 15-21 .....	1		
Turkey in Europe:				
Dardanelles .....	Nov. 5-11 .....		1	
Saloniki .....	Oct. 20-Nov. 6 .....	232	169	

**YELLOW FEVER.**

Brazil:				
Manaos .....	Nov. 5-11 .....		2	
Colombia:				
Sabanilla .....	Nov. 18 .....		1	On the schooner Margarita Sophia
Ecuador:				from Rio Hacha.
Bucay .....	Nov. 1-15 .....	3	3	
Chobo .....	do. ....	1		
Guayaquil .....	do. ....	7	2	
Milagro .....	do. ....	1	1	
Naranjito .....	do. ....	1	1	

**PLAGUE.**

Brazil:				
Para .....	Nov. 12-18 .....	1		
China:				
Hongkong .....	Oct. 22-28 .....	1	1	
Ecuador:				
Guayaquil .....	Nov. 1-15 .....	57	22	
Egypt:				
Port Said .....	Sept. 23-Nov. 14 .....	3	2	
Province of Gizeh .....	Oct. 29 .....	1		
India:				
Bombay .....	Oct. 29-Nov. 4 .....	6	6	
Calcutta .....	Oct. 15-22 .....		5	
Karachi .....	Oct. 29-Nov. 4 .....	1	1	
Rangoon .....	Sept. 1-30 .....	72	69	
Java:				
Paseroean Residency, Ma-				
lang district .....	Oct. 22-28 .....	10	5	
Straits Settlements:				
Singapore .....	Oct. 15-21 .....	1	1	
Turkey in Asia:				
Mersina .....	Nov. 1-15 .....	1	1	

**SMALLPOX.**

Austria-Hungary:				
Trieste .....	Nov. 5-11 .....	1		From s. s. Amphitrite from Bel-
Brazil:				rut.
Rio de Janeiro .....	Oct. 8-11 .....	9	1	
Canada:				
Montreal .....	Nov. 26-Dec. 2 .....	1		
Ottawa .....	do. ....	3		
Quebec .....	do. ....	19		
Ceylon:				
Colombo .....	Oct. 22-28 .....	1		
Chile:				
Talcahuano .....	Oct. 29-Nov. 11 .....	11	3	

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received during week ended Dec. 15, 1911.

## SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
China:				
Hongkong.....	Oct. 22-28.....	3	1	
Egypt:				
Cairo.....	Oct. 29-Nov. 4....	1		
Hawaii:				
Honolulu.....	Dec. 4-9.....	22	8	From s. s. Willesden. -
India:				
Rangoon.....	Sept. 1-30.....	10	6	
Italy:				
Naples.....	Nov. 12-18.....	11	1	
Palermo.....	Nov. 5-11.....	208	108	
Java:				
Batavia.....	Oct. 22-28.....	3		
Spain:				
Cadiz.....	Oct. 1-31.....		5	
Straits Settlements:				
Singapore.....	Oct. 15-21.....	4	3	
Turkey in Europe:				
Constantinople.....	Nov. 13-19.....		6	
Uruguay:				
Montevideo.....	Sept. 1-30.....	6	2	

## REPORTS RECEIVED FROM JULY 1 TO DEC. 8, 1911.

[For reports received from Dec. 31, 1910, to June 30, 1911, see Public Health Reports for June 30, 1911. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

## CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers.....	Sept. 1-30.....	1	1	
Arabia:				
Hodeida.....	June 16-30.....	21	17	Among the civil and the military population. Aug. 5, present among troops.
Austria-Hungary.....				Total Austria-Hungary, exclusive of Hungary, May 24-Oct. 29, 86 cases, 38 deaths; and in Hungary, Aug. 9-Nov. 4: Cases, 195.
Coastland.....				Total May 24-Oct. 29, 1911: Cases, 68; deaths, 30.
Capodistria.....	July 24-Sept. 17...	12	6	
Cittanova.....	Aug. 21-Sept. 17..	1	1	
Muggia.....	Aug. 7-13.....	2	1	
Parento.....	May 24-Oct. 29....	11	6	
Trieste.....	June 4-Aug. 26....	42	16	
Croatia and Slavonia.....				Total, Aug. 9-Oct. 22, 1911: Cases, 37; deaths, 8.
Draga.....	Sept. 7.....	5		
Fiume.....	Aug. 9-Sept. 16....	4		
Villages in vicinity.....	Aug. 18-Sept. 9....	10	6	
Krimeja.....	Sept. 7.....	2		
Kiskozeg.....	Oct. 14-22.....	2		
Krizovljan.....	Aug. 28-Sept. 13...	2		
Krusedal.....	Aug. 9-Sept. 19....	1		
Martinci.....	Oct. 14-22.....	2		
Nagykeszi.....	Sept. 9-16.....	3		
Semlin.....	Sept. 19.....	1		
Susak.....	Aug. 28-Sept. 19...	3		
Vukovar.....	Sept. 8-9.....	2	2	
Dalmatia.....				Total, cases 10; deaths, 4.
Arbe.....	Aug. 21-Sept. 17..	6	3	
Cattaro.....	July 6-20.....	4	1	
Hungary.....				Total, Aug. 9-Nov. 4, 1911: Cases, 195.
Budapest.....	Aug. 24-Sept. 30...	15	4	
Csarp.....	Aug. 24-Sept. 9....	1		
Pest Pilis.....	Sept. 9-Oct. 7.....	8		Including Budafoik.
Soramis.....	Sept. 24-30.....	1		
Suly.....	Sept. 2-9.....	3	1	
Ujpest.....	Aug. 24-Sept. 30...	38	5	

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from July 1 to Dec. 8, 1911.

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Austria-Hungary—Continued.</b>				
Lower Austria.....				Total, cases, 6; deaths, 3.
Prelenkirchen.....	Sept. 18-24.....	1	1	
Vienna.....	Aug. 14-Sept. 17.....	5	2	
Styria—				
Gratz.....	May 24-31.....	2	1	Including case from Waltendorf, p. 1042, vol. 1.
<b>Bulgaria:</b>				
Kalondjik.....	June 18-20.....	1	1	Vicinity of Choumen. From the ship Cyrille, bound from the coast of Asia Minor.
Sosopolis.....	Sept. 16-Oct. 7.....	20	4	
Varna.....	July 4-Aug. 5.....	2	2	From Asia Minor via Constantinople.
<b>Ceylon:</b>				
Colombo.....	May 21-Oct. 7.....	18	13	
<b>China:</b>				
Amoy.....	May 28-July 1.....		4	Aug. 5, present.
Hankow.....	July 22.....			Present.
Hoihow.....	June 2.....			Do.
Manchuria—				
Dalny.....	Aug. 19-Sept. 2.....	35	19	Sept. 5, present.
Kinchow.....	Aug. 15-Sept. 2.....	10		
Nanking.....	July 22-Aug. 19.....			Present.
Swatow.....	July 22-Aug. 26.....			Do.
<b>Dutch East Indies.</b>				May 28-Aug. 20: Cases, 1,808; deaths, 1,430.
Java—				
Batavia.....	May 14-Oct. 21.....	315	297	
Beloe.....	June 15-28.....			Present.
Surabaya.....	Apr. 10-May 6.....	44	22	
<b>Egypt:</b>				
Alexandria.....	Aug. 1-Sept. 30.....	3	3	Of these, 2 cases in September were from s. s. Saldieh from Constantinople.
<b>France:</b>				
Marseille.....	June 26-Sept. 30.....		193	Number of cases occurring from Sept. 1 to 20 not reported. Present to Oct. 18.
Do.....	Sept. 21-28.....	20		
<b>Greece:</b>				
Laurium.....	July 5-8.....	3	1	Case July 5, from a German vessel via Naples.
Piræus, quarantine station.	July 30-Aug. 8.....	3		Case July 30, from s. s. Margarita.
<b>India:</b>				
Bassein.....	May 7-July 8.....	2	2	
Bombay.....	June 25-Sept. 23.....	4	5	
Calcutta.....	May 7-Oct. 14.....		546	
Madras.....	June 4-Oct. 28.....	152	105	Madras Presidency, May 1-Sept. 30: Cases, 29,517; deaths, 17,883.
Moulmine.....	May 7-June 17.....	4	4	
Negapatam.....	June 11-July 15.....		35	
Rangoon.....	May 1-June 30.....	31	26	
<b>Indo-China:</b>				
Saigon.....	May 15-Oct. 28.....	90	62	And vicinity.
<b>Italy.</b>				Total for Italy, June 8-Nov. 11: Cases, 15,682; deaths, 5,859.
Provinces—				
Alessandria.....	Aug. 1-Oct. 7.....	115	33	
Ancona.....	Sept. 17-Oct. 7.....	8	2	
Aquila.....	Aug. 1-Oct. 14.....	124	57	
Ascoli.....	Sept. 23-30.....	1		
Avellino.....	July 12-Oct. 21.....	234	87	
Bari.....	Aug. 27-Oct. 21.....	502	105	
Benevento.....	July 22-Sept. 16.....	96	24	
Bergamo.....	Aug. 27-Oct. 21.....	118	20	
Bologna.....	Aug. 27-Sept. 30.....	30	7	
Cagliari.....	Aug. 27-Oct. 21.....	191	59	
Caltanissetta.....	July 17-Oct. 21.....	332	84	
Campobasso.....	.....do.....	765	305	
Carrara.....	Sept. 24-30.....	10	2	
Caserta.....	June 18-Oct. 21.....	1,926	731	
Catania.....	July 22-Nov. 4.....	881	378	
Catanzaro.....	July 26-Oct. 21.....	162	80	
Chieti.....	Aug. 1-Oct. 7.....	117	51	
Casoria.....	Sept. 3-9.....	125	37	
Cosenza.....	Aug. 20-Sept. 25.....	107	56	
Ferrara.....	Aug. 27-Oct. 21.....	50	30	

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from July 1 to Dec. 8, 1911.

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Italy—Continued.</b>				
<b>Provinces—Continued.</b>				
Florence.....	Sept. 3–Oct. 21....	6	1	
Foggia.....	Aug. 20–Oct. 21....	203	104	
Forlì.....	Aug. 27–Oct. 21....	47	18	
Genoa.....	July 21–Nov. 4....	405	126	
Genoa, city.....	July 13–Oct. 21....	279	133	
Girgenti.....	July 22–Oct. 21....	240	83	
Lecce.....	Aug. 27–Oct. 14....	121	36	
Leghorn.....	July 13–Sept. 25....	768	380	
Lucca.....	Aug. 1–Sept. 16....	10	3	
Massa.....	Aug. 13–Oct. 7....	87	47	
Messina.....	July 17–Oct. 21....	199	59	
Milan.....	Aug. 27–Oct. 14....	20	6	
Naples.....				The Province outside of Naples, June 10–Nov. 4, 1,368 cases, 573 deaths.
Naples, city.....	June 11–Oct. 21....	951	271	
Novara.....	Sept. 24–30.....	4	4	
Padua.....	Aug. 27–Sept. 25....	9	4	
Palermo.....	June 18–Nov. 4....	465	220	
Palermo, city.....	June 15–Nov. 4....	1,447	452	
Pesaro.....	Aug. 20–Oct. 14....	108	47	
Pisa.....	Aug. 20–Sept. 2....	18	8	
Potenza.....	July 31–Sept. 9....	55	13	
Reggio di Calabria.....	Aug. 6–Oct. 7....	6	2	
Reggio Emilio.....	Sept. 30.....	1	1	
Rome.....	June 27–Nov. 4....	316	133	
Rovigo.....	Aug. 27–Oct. 21....	78	11	
Salerno.....	June 17–Oct. 21....	1,377	356	
Sassari.....	Sept. 16–Oct. 21....	8	3	
Syracuse.....	Aug. 6–Oct. 21....	127	44	
Teramo.....	Sept. 3–Oct. 14....	14	7	
Trapani.....	July 17–Oct. 7....	248	136	
Venice.....	Aug. 6–Oct. 21....	302	107	
Vicenza.....	Oct. 14.....	1		
<b>Japan:</b>				
Kobe.....	Aug. 30–Sept. 16....	4	2	
Nagasaki.....	Sept. 11.....	1		On s. s. Kasuga Maru.
Nishomayo.....	Aug. 28–Sept. 3....	2		
Osaka.....	Aug. 30–Sept. 16....	6		Do.
Malta.....	Oct. 15–Nov. 11....	22	10	
Montenegro.....	Aug. 14–17.....	4		Among troops.
Cettinje.....	July 29.....	2		
<b>Persia:</b>				
Adaban.....	July 29–Sept. 4....	19	8	
Ahwaz.....	Aug. 13–Sept. 2....	128	115	
Mohammerah.....	July 28–Oct. 1....	286	190	Case July 28, from the cruiser Persepolis.
Nasseri.....	Aug. 12.....	10	5	
<b>Philippine Islands.</b>				
Laguna.....	Aug. 6–12.....	1		First quarter, 1911: Manila, no cases. Provinces, 190 cases and 160 deaths. Second quarter: Manila, no cases, no deaths. Provinces, no cases, no deaths.
Manila.....	July 23–29.....	1	1	
Provinces—				
Rizal.....	do.....	1		
Union.....	July 23–Sept. 30....	25	21	
Roumania.....				Total to Sept. 11–Oct. 9: Cases, 98. Sept. 13: 3 cases and 2 deaths in a village in vicinity.
Braila.....	Sept. 11.....	6	4	New outbreak Apr. 21–Nov. 4: Cases, 2,028; deaths, 1,031; in- cluding 7 cases and 2 deaths, p. 1044, vol. 1.
<b>Russia.</b>				
Astrakhan, government.....	July 12–Sept. 30....	469	192	
Baku, government.....	Sept. 3–13.....	7	2	
Baku, city.....	July 8–26.....	5	1	
Bessarabia, government.....	Sept. 3–Oct. 14....	5		
Dagestan, province.....	Aug. 13–19.....	27		
Don Territory.....	Sept. 3–Oct. 14....	12	4	
Jaroslav, government.....	Aug. 20–26.....	8	3	
Kazan, government.....	Sept. 3–30.....	10	7	
Kosmodemiansk.....	July 2.....	1		
Kherson, government.....	May 3–July 22.....	2		
Odessa.....	Aug. 6–Oct. 14....	3	1	
Khuban, territory.....	Aug. 13–26.....	1	2	

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from July 1 to Dec. 8, 1911.

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Russia—Continued.</b>				
Moscow, government.....	Aug. 13-19.....	1	.....	
Moscow.....	Aug. 20-26.....	1	1	
Nizhni Novgorod, govern- ment.....	Aug. 20-Sept. 2.....	1	.....	
Novorossiisk.....	July 28-Oct. 14.....	13	4	6 cases, July 28-Aug. 6, on British s. s. Wakefield in Black Sea.
Poltava, government.....	June 24.....	1	.....	
Perm, government.....	Sept. 3-13.....	1	.....	
Rostov on Don.....	Aug. 6-Oct. 14.....	52	18	Aug. 6-12. 1 case from a Turkish ship from Trebizond. Including Nikolayevsk.
Samara, government.....	June 29-Sept. 13.....	747	407	
Saratov, government.....	July 18-Oct. 14.....	199	90	
Nikolayevsk.....	June 29-July 3.....	15	1	
Tsantzyn.....	July 12-15.....	1	1	
Siberia.....				
Omsk.....	June 20-26.....	2	.....	
Simbrisk, government.....	Aug. 6-Sept. 30.....	92	54	
Taurida, government— Stavropol.....	July 23-Aug. 19.....	7	1	
Tambov, government.....	June 26-Sept. 13.....	19	9	
Tver and Kursk, govern- ment.....	Aug. 6-12.....	1	1	
Ufa, government.....	Sept. 13-30.....	.....	.....	9 cases.
Vilna, government— Disna.....	June 13.....	1	.....	On the Duna.
Vitebsk, government.....	Sept. 3-13.....	1	.....	
Lepel district.....	June 19.....	1	.....	
Voronesh, government.....	Apr. 28-Aug. 12.....	5	.....	
Yekaterinislav, government.....	July 8-19.....	2	1	
				Total Aug. 23-Oct. 28: Cases, 73 deaths, 42.
<b>Servia</b>				
Belgrade.....	Sept. 7-21.....	4	1	
Drazevze.....	Oct. 2.....	1	1	
Grditze.....	Oct. 3.....	1	.....	
Kagulevatz.....	Oct. 10.....	1	1	
Krushevatz.....	Oct. 14.....	1	.....	
Rachka.....	Aug. 23-Sept. 8.....	8	2	Case Aug. 23 from Beoca, Stude- nitz district. Present.
Ravta.....	Aug. 30-Sept. 2.....	.....	.....	
Novo Selo.....	Oct. 15-18.....	9	2	
Suvo Selo.....	Oct. 16.....	1	1	
Semendria.....	Oct. 4-28.....	13	7	
Stubline.....	Oct. 4-10.....	4	4	
Urovrtzi.....	Oct. 4-20.....	17	11	
Yabutchye.....	Oct. 12.....	1	1	
<b>Siam:</b>				
Bangkok.....	Apr. 16-Oct. 7.....	.....	1,026	
<b>Spain:</b>				
Tarragona.....	Aug. 30.....	.....	.....	In vicinity.
<b>Straits Settlements:</b>				
Began Dotah.....	June 16-20.....	11	.....	
Jenderata.....	July 1-8.....	20	13	
Penang.....	May 7-Oct. 21.....	10	12	
Perak.....	May 16-June 21.....	.....	.....	Present among Malays and Chi- nese.
Singapore.....	May 7-Oct. 14.....	184	178	
<b>Tripoli:</b>				
Tripoli.....	Oct. 13.....	4	.....	
<b>Tunis Regency:</b>				
Bizerta.....	Sept. 17-Oct. 22.....	36	15	
Tunis.....	July 1-Oct. 31.....	433	272	Total Sept. 17-Oct. 22: Cases, 2,718; deaths, 1,864.
<b>Turkey in Asia:</b>				
Adana.....	Nov. 1-15.....	.....	3	7 cases daily.
Alatsham.....	June 19.....	2	.....	
Amara.....	June 21.....	.....	.....	Present
Bagdad Vilayet.....	May 29-Oct. 28.....	492	345	New outbreak.
Basra.....	July 17-Oct. 21.....	361	257	Aug. 9, 1 case, s. s. Budrie.
Beirut.....	Oct. 18.....	2	.....	Aug. 21, present among pilgrims.
Damascus.....	Aug. 14-Oct. 21.....	129	103	
Erzeroum Vilayet.....	Sept. 13-30.....	.....	.....	Present in Erzingham and Unieh. 70 miles from Basra.
Ezra's Tomb.....	June 17.....	6	.....	In the Gulf of Smyrna.
Foglieri.....	July 26.....	2	1	
Haifa.....	Oct. 3-29.....	45	35	
Kamran.....	May 28-July 11.....	8	5	Among troops.
Kerassunde.....	Sept. 10-Oct. 7.....	22	16	
Kharput.....	Aug. 20-Oct. 14.....	32	24	
Medina.....	Sept. 15-Nov. 3.....	164	33	Do.

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from July 1 to Dec. 8, 1911.

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Turkey in Asia—Continued.				
Mekka.....	Sept 1-Oct. 1.....	366	329	And district. Including 24 cases and 14 deaths, p. 1911, vol. 2.
Samsun.....	May 29-July 30.....	225	204	
Smyrna.....	Apr. 26-Sept. 24.....	974	497	
Trebizond.....	Oct. 16-Nov. 6.....	5	1	And vicinity.
Tripoli.....	Sept. 26-Oct. 18.....	43	33	
Zonguldak.....	July 1-Oct. 15.....	95	72	
Turkey in Europe:				
Constantinople.....	May 21-Oct. 23.....	2,614	1,483	Do.
Dardanelles.....	Oct. 1-8.....		2	Aug. 8, present.
Kavak.....	June 5-11.....	1		
Medua.....	Aug. 24-Sept. 1.....	5	1	
Soloniki.....	Aug. 11-Oct. 18.....	549	313	Among troops.
Valona.....	Aug. 27-Sept. 7.....	28	8	
At sea.....	June 23.....	1	1	On s. s. Goeben, bound from Southampton for Suez. Case developed 1 day after leaving Naples.
Do.....	July 25.....			
				2 cases from s. s. Zar Nicolaus from Algiers.

## YELLOW FEVER.

<b>Bissagos Islands:</b>					
Bulama.....	May 27.....				Present.
<b>Brazil:</b>					
Ceara.....	July 1-31.....		1		
Manaos.....	June 4-Nov. 4.....		28		
Para.....	June 21-Sept. 9.....	5	1		
Pernambuco.....	June 15-Sept. 30.....		11		
<b>British Gold Coast:</b>					
Accra.....	May 23-27.....	3			Among natives.
<b>Ecuador:</b>					
Babahoyo.....	July 16-Aug. 15.....	2	2		
Bucay.....	Sept. 1-Oct. 31.....	4	1		
Calaroma.....	July 16-31.....	1	1		
Changue.....	Sept. 16-30.....	1	1		
Chobo.....	Oct. 1-31.....	2			
Guayaquil.....	June 1-Oct. 31.....	48	19		
Milagro.....	June 1-Aug. 15.....	17	13		
Naranjito.....	July 1-Oct. 31.....	8	1		
Yaguachi.....	June 16-July 15.....	1	1		
<b>Gambia:</b>					
Bathurst.....	May 23-27.....	5	2		Among Europeans.
<b>Hawaii:</b>					
Honolulu.....	Oct. 21-28.....	2			1 case arrived convalescent on the s. s. Hongkong Maru from Manzanillo, Mexico. 1 case occurred in quarantine, employee detailed as guard on the s. s. Hongkong Maru.
<b>Mexico:</b>					
Merida.....					Total Aug. 1-Nov. 11: Cases, 45; deaths, 20.
<b>Senegal:</b>					
Dakar.....	Dec. 4.....				Present.
Rufisque.....	do.....				Do.
<b>Venezuela:</b>					
Caracas.....	July 1-Nov. 4.....	47	1		
La Pastora.....	Aug. 5.....				Do.
Maquetia.....	July 22.....	2			
San Juan.....	Aug. 5.....	1			

## PLAGUE.

<b>Algeria:</b>					
Philippeville.....	Nov. 1.....	5		Sept. 16, 2 cases.	
<b>Arabia:</b>					
Maskat.....	May 21-June 15...	4	2		
<b>Brazil:</b>					
Para.....	July 2-Sept. 9.....	5	4		
Pernambuco.....	June 15-Sept. 30.....		13		
Rio de Janeiro.....	July 16-Oct. 7.....	18	5		

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from July 1 to Dec. 8, 1911.

## PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>British East Africa:</b>				
Kismayu.....	Apr. 24-Sept. 16....	60	45	
Nairobi.....	May 27-Sept. 16....	39	22	
Port Florence.....	Apr. 26.....	1	1	
<b>Canal Zone:</b>				
Panama.....	Oct. 13-17.....	1	1	At Ancon Hospital from Guayaquil.
<b>Chile:</b>				
Arica.....	June 12-July 28....	4	3	
Iquique.....	May 14-Oct. 14....	46	28	
<b>China:</b>				
Amoy.....	May 21-July 17....		20	To May 28: Cases, 61; July 3, present in the district.
Kulangsu.....	June 17-July 22....		5	
Canton.....	May 18-Sept. 9....			Present, and in neighboring cantons.
Hongkong.....	May 14-Oct. 23....	210	156	Jan. 1-Sept. 16: Cases, 261; deaths, 244.
Dalny.....	Oct. 25.....	2	1	
Shanghai.....	Aug. 10-26.....	31	19	May 14-27, 3 cases.
Swatow.....	May 21-July 22....			May 21-June 2, epidemic in Chaochow-fu. Hweilai, Kit-yang, and in Chao-yang, Jan. 1-June 30, 6,000 deaths.
<b>Ecuador:</b>				
Guayaquil.....	June 1-Oct. 31....	157	54	
<b>Egypt:</b>				
Alexandria.....	May 31-Sept. 23....	45	20	
Cairo.....	Feb. 12-May 31....	1	1	
Ismailia.....	Oct. 12.....	1		
Port Said.....	May 27-Sept. 22....	39	16	Total, Jan. 1-Nov. 14: Cases 1,606; deaths, 998.
Assiout.....	May 31-Oct. 13....	8	6	
Behera.....	May 23-Oct. 13....	3	3	
Beni Souef.....	May 23-Aug. 10....	4	1	
Dakahlieh.....	May 29-June 11....	2	1	
Fayoum.....	May 28-Oct. 15....	9	6	
Galloubeh.....	June 1-Oct. 4.....	5	1	
Girgeh.....	Apr. 19-July 7....	5	4	
Kena.....	May 30-June 12....	5	5	
Menouf.....	May 31-Oct. 13....	2		
Minieh.....	June 1-July 27....	29	11	
<b>Great Britain:</b>				
Suffolk.....	Oct. 10.....	1		In Admiralty Barracks, parish of Shotley, Samford rural district.
<b>Hawaii:</b>				
Kapulena.....	Oct. 28.....	1	1	
<b>India:</b>				
Bahrein Island.....	May 15-July 16....		1,925	In Persian Gulf.
Bombay.....	May 21-Nov. 4....	680	593	
Calcutta.....	May 7-Oct. 14....		745	
Karachi.....	May 28-Oct. 28....	220	218	
Rangoon.....	May 1-Aug. 31....	9,982	7,233	
Bombay Presidency and Sind.....	May 7-Sept. 30....	51,417	35,564	
Madras Presidency.....	do.....	5,752	4,378	
Bengal.....	do.....	2,767	2,570	
United Provinces.....	do.....	18,285	17,685	
Punjab.....	do.....	60,902	53,374	
Burma.....	do.....	1,899	1,769	
Eastern Bengal and Assam.....	Aug. 6-26.....	2	12	
Central Provinces.....	May 7-Sept. 30....	2,970	1,985	
Coorg.....	Aug. 27-Sept. 30....	11	9	
Mysore State.....	May 7-Sept. 30....	9,089	6,539	
Hyderabad State.....	do.....	1,421	1,080	
Central India.....	do.....	1,303	899	
Rajputana and Ajmere.....	May 20-Sept. 30....	1,758	1,493	
Merwara.....				
Kashmir.....	May 7-July 1.....	624	425	
North West Province.....	do.....	110	79	Total for India May 15 to Sept. 30: Cases, 158,310; deaths, 127,861.
<b>Indo-China:</b>				
Salgon.....	May 15-Oct. 22....	358	112	And vicinity.
<b>Japan:</b>				
Formosa.....	May 21-July 1.....	115	106	In Kagi Province from Jan. 1 to June 15: Cases, 355, including report, p. 1047, vol. 1.

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from July 1 to Dec. 8, 1911.

## PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Java:</b>				
Kediri.....	Mar. 31-July 22....	60	21	
Madloen.....	June 1-Aug. 26....	2		
Paseroean Residency, Ma- lang district.....	May 14-Oct. 21....	754	220	
Surabaya.....	Apr. 30-May 18....	21	4	
Mauritius.....	Mar. 1-Aug. 31....	11	7	
<b>Morocco:</b>				
Cherouba.....	Sept. 29.....			Present.
Mazagan.....	July 13-Oct. 17....			Present among the Doukala, 5 hours distant.
<b>New Zealand:</b>				
Auckland.....	May 1-8.....	5		Total since Mar. 21: Cases, 8; deaths, 1.
<b>Paraguay:</b>				
Asuncion.....	Aug. 1-Sept. 2....	23	14	Present.
<b>Persia:</b>				
Buchir.....	May 14-June 25....	94	80	
Lingah.....	May 18-23.....	7		From Debai. on opposite Arabian coast.
<b>Peru:</b>				
<b>Departments—</b>				
Ancachs.....	Apr. 30-June 17....	9	2	
Arequipa.....	Apr. 23-June 17....	20	4	Sept. 5, present in Mollendo.
Cajamarca.....	do.....			Aug. 10, present.
Callao.....	Apr. 23-Sept. 30....	14	8	
Chiclayo.....	Apr. 30-Sept. 30....	22	10	
Lambayeque.....	Apr. 23-June 3....	24	12	
Libertad.....	Apr. 23-Sept. 16....	16	11	Aug. 21, present in Moche.
Lima.....	do.....	73	34	
Pacasmayo.....	Apr. 30-June 3....	3	2	
<b>Philippine Islands</b>				
Mariveles quarantine sta- tion.....	May 25-26.....	1	1	First quarter, 1911: Manila, no cases; provinces. no cases. From s. s. Taisang from Amoy.
<b>Russian Empire:</b>				
Odessa.....	June 18-Aug. 8....	8	2	
<b>Astrakhan Government—</b>				
Ujaly.....	July 3.....			Present.
Saraltschin.....	June 18-24.....	3	3	
<b>Kirghis Steppe—</b>				
Akbulak.....	July 13-Aug. 2....	5	2	Pneumonic.
Kjnbekudik.....	July 15.....	5	4	Do.
Narvma.....	June 24.....	4		
Nadarov.....	Sept. 14-Oct. 23....		5	In vicinity of Sharasang on the Transbaikial railway.
<b>Siam:</b>				
Bangkok.....	Apr. 16-Oct. 7....	73	82	
<b>Straits Settlements:</b>				
Singapore.....	May 21-Oct. 7....	7	7	
<b>Turkey in Asia:</b>				
Adalia.....	July 7-Aug. 30....	4		
Basra.....	May 21-31.....	4	2	
Beirut.....	Aug. 21.....			Present among pilgrims, and present in the Lebanon district.
Brusa.....	Aug. 2-15.....	2		
Smyrna.....	Sept. 17-22.....	2	1	
<b>Venezuela:</b>				
Baruta.....	Sept. 3-9.....			
Caracas.....	May 29-Oct. 14....	17		
Santa Rosalia.....	Aug. 5.....	1		
<b>Zanzibar:</b>				
Zanzibar.....	Sept. 7-21.....	3	3	

## SMALLPOX.

<b>Algeria:</b>				
<b>Departments—</b>				
Algiers.....	Mar. 1-Oct. 31....		10	
Constantine.....	Mar. 1-May 31....	74		
<b>Arabia:</b>				
Aden.....	Apr. 11-Oct. 9....	208	8	And vicinity.
<b>Argentina:</b>				
Buenos Aires.....	Apr. 1-Sept. 30....		144	
Rosario.....	Apr. 1-June 30....		125	



## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from July 1 to Dec. 8, 1911.

## SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Australia: Sydney.....	Sept. 1-25.....	1	1	At North Head quarantine station, from s. s. Van Lichten from Batavia.
Austria-Hungary: Bohemia.....	May 28-June 17....	5		
Galicia.....	May 28-July 15....	3		
Brazil: Bahia.....	Apr. 1-30.....		1	
Ceara.....	June 1-30.....		1	
Para.....	June 25-Oct. 28....	10	2	
Pernambuco.....	June 1-Sept. 30....		863	
Rio de Janeiro.....	May 28-Oct. 7....	29	2	
Sao Paulo.....	May 15-21.....		1	
Canada: British Columbia— Vancouver.....	July 9-Sept. 23....	8		
Victoria.....	May 1-31.....	10		
Manitoba— Fort Alexander.....	July 8.....	19		Among Indians.
Lac de Bonnet.....	do.....	1		
Point du Bois.....	do.....			Epidemic.
Saskatoon.....	do.....	1		From Mapleton.
Winnipeg.....	July 23-29.....	1		
New Brunswick— Newcastle.....	July 15-Aug. 5....			Present in vicinity.
Ontario— Ottawa.....	June 11-Nov. 11....	39		
Nova Scotia— Halifax.....	May 23-Sept. 30....	6		
Prince Edward Island— Charlottetown.....	June 14-20.....	1		
Quebec— Montreal.....	July 9-Sept. 30....	7		
Quebec.....	June 18-Nov. 25....	67	1	
Yukon.....	Sept. 17.....	66	1	On the Porcupine.
Dawson.....	June 4-July 11....	15		
Ceylon: Colombo.....	May 21-Oct. 7....	44	5	
Chile: Antofagasta.....	Oct. 17-Sept. 2....	15	6	
Caldera.....	June 24.....	2	1	
Iquique.....	Oct. 1-15.....	1	1	
Punta Arenas.....	June 1-July 31....	3	1	
Talcahuano.....	June 27-Oct. 14....	135	28	
Valparaiso.....	June 24-Nov. 4....	412		Deaths not reported.
China: Canton.....	Oct. 1-28.....	10	2	
Chungking.....	May 28-Oct. 21....			Present.
Hongkong.....	May 21-Oct. 21....	40	31	
Nanking.....	May 28-Nov. 4....			Do.
Shanghai.....	May 24-July 16....	2	8	Deaths among natives.
Swatow.....	May 28-July 22....			Present in the district.
Colombia: Cartagena.....	May 22-July 9....			Present.
Egypt: Alexandria.....	Apr. 1-July 31....	64	32	
Cairo.....	May 22-Oct. 28....	18	5	
Port Said.....	May 29-Aug. 19....	14	13	
France: Havre.....	July 16-22.....	1	1	
Marseille.....	Aug. 1-31.....		1	
Paris.....	June 18-Oct. 29....	17	1	
Germany.....				Total for Germany, June 4-Oct. 28: Cases, 33.
Bremen.....	July 9-15.....	1		
Hamburg.....	Aug. 6-19.....			3 cases on s. s. Prinz Regent.
Gibraltar.....	June 4-Nov. 5....	4		
Great Britain: Birmingham.....	July 2-15.....	1	1	
Dundee.....	June 11-Aug. 12....	10	3	
Liverpool.....	June 18-Oct. 7....	8		
London.....	June 4-24.....	13		
Plymouth.....	July 2-8.....		1	
Sheffield.....	June 18-24.....		1	
India: Bombay.....	May 21-Oct. 28....	137	84	
Calcutta.....	May 7-June 24....		6	
Madras.....	May 21-Oct. 28....	174	72	
Rangoon.....	May 1-Aug. 31....	337	165	

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from July 1 to Dec. 8, 1911.

## SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Indo-China:				
Saigon.....	May 15-Oct. 22....	138	54	And vicinity.
Italy:				
Catania.....	July 19-Aug. 12....	.....	4	
Genoa.....	Aug. 1-Nov. 15....	11	.....	
Leghorn.....	Oct. 22-Nov. 11....	2	.....	
Naples.....	June 11-Nov. 11....	128	18	
Palermo.....	June 4-Nov. 4....	1,728	818	
Japan:				
Yokohama.....	June 13-19.....	1	.....	
Java:				
Batavia.....	July 2-Oct. 21....	48	11	
Mexico:				
Aguascalientes.....	Aug. 28-Oct. 15....	.....	6	
Cananea, mines.....	Sept. 12-22.....	30	.....	Oct. 28, 45 cases present.
Chihuahua.....	June 28-Nov. 17....	29	14	
Frontera.....	June 19-24.....	1	.....	
Guadalajara.....	June 18-Aug. 19....	.....	3	
Inuris.....	Sept. 22.....	10	.....	
Juarez.....	July 9-Nov. 25....	32	6	
Magdalena.....	Oct. 23.....	.....	.....	Present.
Mazatlan.....	Aug. 6-Nov. 7....	13	6	
Mexico.....	May 21-Oct. 21....	167	.....	July 23-Oct. 21, 79 cases.
Porfirio Diaz.....	July 23-Nov. 25....	22	20	
San Juan Bautista.....	June 17-July 15....	.....	.....	Present and in vicinity. Aug. 26, increasing.
San Luis Potosi.....	June 4-Nov. 4....	24	24	
Tampico.....	June 11-Oct. 31....	.....	10	
Tapachula.....	July 8-Sept. 23....	.....	19	
Peru:				
Salaverry.....	Aug. 1-7.....	.....	.....	Present.
Trujillo.....	Oct. 23-30.....	.....	.....	Do.
Philippine Islands.....				First quarter, 1911, Manila: Cases, 93; deaths, 0. Second quarter: Cases, 142; deaths, 0.
Portugal:				
Lisbon.....	June 4-Nov. 18....	115	.....	May 7-20, deaths, 3.
Porto Rico:				
Ponce.....	Apr. 1-30.....	.....	1	
Portuguese East Africa:				
Lourenco Marquez.....	.....do.....	.....	1	
Roumania:				
				Total, Mar. 1-Apr. 30, 1911: Cases 18,319; deaths, 774.
Russia:				
Batum.....	May 1-Oct. 31....	6	.....	
Libau.....	June 5-Oct. 22....	16	1	
Moscow.....	May 28-Nov. 11....	174	87	July 16, 1 death.
Odesa.....	May 27-Sept. 16....	8	.....	
Reval.....	May 1-31.....	5	.....	
Riga.....	May 27-Nov. 11....	28	.....	Apr. 1-May 31, deaths, 14.
St. Petersburg.....	May 21-Oct. 28....	176	36	
Warsaw.....	Apr. 2-Oct. 14....	436	200	
Windau.....	June 25-July 1....	.....	.....	Present.
Siam:				
Bangkok.....	Apr. 16-Oct. 7....	.....	182	
Siberia:				
Omsk.....	May 29-Oct. 3....	4	.....	
Vladivostok.....	May 14-Aug. 28....	18	15	
South Africa:				
Port Elizabeth.....	May 21-27.....	1	.....	
South Australia:				
Adelaide.....	Apr. 15.....	.....	.....	1 case, from Colombo on str. Mooltan.
Spain:				
Barcelona.....	May 6-17.....	.....	4	
Madrid.....	June 1-Oct. 31....	.....	6	
Malaga.....	June 1-Sept. 30....	.....	35	
Seville.....	June 1-Oct. 31....	.....	14	
Valencia.....	June 4-Nov. 18....	79	12	
Straits Settlements:				
Penang.....	Apr. 30-Oct. 14....	9	4	
Singapore.....	May 7-Oct. 14....	167	42	
Switzerland:				
Aargau, canton.....	Sept. 24-30.....	4	.....	
Ticino, canton.....	May 28-June 3....	1	.....	
Teneriffe:				
Santa Cruz.....	Oct. 22-Nov. 11....	.....	3	
Turkey in Asia:				
Beirut.....	May 27-Nov. 18....	165	48	
Kharput.....	May 21-June 10....	34	3	

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from July 1 to Dec. 8, 1911.

## SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Turkey in Europe:				
Constantinople.....	June 4-Nov. 12.....		23	
Saloniki.....	Sept. 1-30.....		5	
Uruguay:				
Montevideo.....	Apr. 1-Aug. 31.....	51	17	
Zanzibar:				
Zanzibar.....	May 15-Oct. 27.....	29	17	
At sea.....	May 15.....	1		On s. s. Narrung; vessel quarantined at Adelaide, Melbourne, and Sydney.

## MORTALITY.

## 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.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.
Aberdeen.....	Nov. 11	163,084	54								2		9
Do.....	Nov. 18		58								2		1
Aguscalientes.....	Nov. 12	40,000	40	1					1				
Do.....	Nov. 19		41	2					1				1
Do.....	Nov. 26		31	1					2			1	1
Amsterdam.....	Nov. 28	579,705	142	21									1
Barcelona.....	Oct. 22	591,272	320	38						8		3	
Barranquilla.....	Nov. 18	40,000	29	2			1			2			
Batavia.....	Oct. 28	217,630				2			1				
Beirut.....	Nov. 11	80,000	20	2				5		5			
Do.....	Nov. 18		20	2				3		4			
Belfast.....	do.....	385,492	131	24							1	4	1
Belgrade.....	Nov. 11	69,097								1	1		
Bergen.....	Nov. 19	87,749	22	3								2	
Berlin.....	Nov. 4	2,073,222	527	71						10	29	1	2
Do.....	Nov. 11		578	84						8	37		4
Birmingham.....	Nov. 28	842,512	229							3		2	6
Bombay.....	Nov. 4	977,822	618	41	6								
Bordeaux.....	Nov. 18	253,000	97	8						2		1	
Bradford.....	Nov. 16	288,723	74	3								3	
Bristol.....	Nov. 25	357,509	94	10								1	
Cairo.....	Nov. 4	689,439	419	21					4	4		27	1
Calcutta.....	Oct. 21	890,493	436	24	5	32							
Catania.....	Nov. 18	207,000	73	4		1			1				
Glasgow.....	Nov. 24	784,655	300							2	1	4	9
Leipzig.....	Nov. 11	595,703	132	8						1	3	5	1
Libau.....	Nov. 19	90,000								3	1		3
Nottingham.....	Nov. 18	259,942	77							2		1	2
Palermo.....	Nov. 11	340,000	245	6		1		108		2	2		
Para.....	Nov. 18	185,000	67	11									
Paris.....	Nov. 11	2,846,986	787	173						8	1	5	2
Do.....	Nov. 18		839	194						8	2	9	1
Santiago de Cuba.....	Nov. 25	53,614	10	3						2		1	
Sarnia.....	Dec. 2	9,936	3							1			
Singapore.....	Oct. 21	303,328	240	23	1	24		3					
Stoke on Trent.....	Nov. 18	235,049	82	4							3	4	2
Do.....	Nov. 25		78	2							4	3	1
Swansea.....	Oct. 27	115,100	37								1	9	1
Do.....	Nov. 5												
Stockholm.....	Oct. 28	343,832	61	11								1	1
Do.....	Nov. 4		69	10								1	
Do.....	Nov. 11		64									1	
Talcahuano.....	Nov. 4	28,000						2					1
Do.....	Nov. 11		2					1				1	1

¹ At Sabanilla, the port.

## MORTALITY—Continued.

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.	Typhoid fever.	Scarlet fever.	Diphtheria.
Valencia.....	Nov. 11	240,000	88	9						1		
Do.....	Nov. 18		85	8				2				
Vienna.....	Oct. 28	2,064,583	583	92						1	3	3
Vancouver.....	Nov. 18	100,333	21	2								1
Vigo.....	Nov. 11	41,500	27	5								
Winnipeg.....	Nov. 5	151,958	23	1						1	1	
Yokohama.....	Nov. 13	419,630								3		1

## MORTALITY—FOREIGN AND INSULAR—COUNTRIES AND CITIES (untabulated).

CANADA—*Hamilton*.—Month of October, 1911. Population, 82,000. Total number of deaths from all causes 99, including diphtheria 3, tuberculosis 3, typhoid fever 2.

CHILE—*Punta Arenas*.—Month of September, 1911. Population, 13,000. Total number of deaths from all causes 27, including tuberculosis 1.

DUTCH GUIANA—*Paramaribo*.—Month of October, 1911. Population, 37,475. Total number of deaths from all causes 87. No contagious diseases.

FORMOSA.—Two weeks ended October 28, 1911. Population, 3,290,186. Total number of deaths from all causes not reported. The deaths include diphtheria 1, typhoid fever 8.

FRANCE—*Marseille*.—Month of October, 1911. Population, 550,619. Total number of deaths from all causes 813, including cholera 13, diphtheria 4, tuberculosis 134.

*Nice*.—Month of July, 1911. Population, 168,185. Total number of deaths from all causes 233, including diphtheria 4, tuberculosis 37, typhoid fever 5.

Month of August, 1911. Total number of deaths from all causes 237, including tuberculosis 24, typhoid fever 20.

*Roubaix*.—Month of October, 1911. Population, 122,154. Total number of deaths from all causes 149, including tuberculosis 24.

*St. Etienne*.—Two weeks ended October 31, 1911. Population, 150,000. Total number of deaths from all causes 150, including tuberculosis 15, typhoid fever 1.

GREAT BRITAIN.—Week ended November 11, 1911.

*England and Wales*.—The deaths registered in 77 great towns correspond to an annual rate of 13.1 per 1,000 of the population, which is estimated at 16,157,797.

*Ireland.*—The deaths registered in 21 principal town districts correspond to an annual rate of 17.6 per 1,000 of the population, which is estimated at 1,149,495. The lowest rate was recorded at Galway, viz, 3.9, and the highest at Newry, viz, 48 per 1,000.

*Scotland.*—The deaths registered in 8 principal towns correspond to an annual rate of 16.3 per 1,000 of the population, which is estimated at 1,710,291. The lowest rate was recorded at Paisley, viz, 12.3, and the highest at Perth, viz, 18.9 per 1,000. The total number of deaths from all causes was 533, including diphtheria 14, measles 13, scarlet fever 2, typhoid fever 1.

*MALTA.*—Two weeks ended November 11, 1911. Population, 213,395. Total number of deaths from all causes (week ended November 4) 128, including cholera 17, measles 7, tuberculosis 6, typhoid fever 5.

*PORTUGUESE EAST AFRICA—Lourenço Marquez.*—Month of August, 1911. Population, 10,000. Total number of deaths from all causes 44, including tuberculosis 5.

*RUSSIA—Riga.*—Month of August, 1911. Population, 355,000. Total number of deaths from all causes 709, including diphtheria 4, measles 5, scarlet fever 10, typhoid fever 5.

*SOUTH AFRICA—Johannesburg.*—Two weeks ended October 21, 1911. Population, 237,220. Total number of deaths from all causes 195, including diphtheria 1, measles 6, scarlet fever 2, tuberculosis 28, typhoid fever 6.

*SIAM—Bangkok.*—Four weeks ended August 5, 1911. Population, 600,000. Total number of deaths from all causes not reported. The deaths include cholera 47, plague 21, smallpox 18.

*SPAIN—Huelva.*—Month of October, 1911. Population 28,982. Total number of deaths from all causes 55, including tuberculosis 5.

*Madrid.*—Month of October, 1911. Population 613,436. Total number of deaths from all causes 1,003, including diphtheria 12, measles 4, smallpox 3, tuberculosis 148, typhoid fever 24.

*TURKS ISLANDS.*—Two weeks ended November 18, 1911. Population 1,681. Total number of deaths from all causes 2. No contagious diseases.

*VENEZUELA—La Guaira.*—Two weeks ended October 30, 1911. Population 10,000. Total number of deaths from all causes 19, including tuberculosis 6, typhoid fever 1.

Two weeks ended November 15, 1911. Total number of deaths from all causes 16, including tuberculosis 4, typhoid fever 1.

By authority of the Secretary of the Treasury:

A. H. GLENNAN,  
Acting Surgeon General,  
United States Public Health and Marine-Hospital Service.