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THE CHOLERA SITUATION.

The extension of cholera in southern Europe continues. - The presence of the disease has been officially reported in Roumania at Braila on the Danube River, and in Spain in the Province of Tarragona. In Italy cases have recently been reported in Milan city and Province.

No case of cholera has arrived at a port of the United States since the one reported as arriving at New York on the steamship *Re d'Italia* August 18, 1911. The last cholera bacillus carrier detected among immigrants at quarantine also arrived August 18 on the same vessel.

NEW YORK.

Passed Asst. Surg. von Ezdorf reports that bacteriological examination of steerage passengers, for the detection of cholera bacillus carriers proved negative for the steamships *Mendoza*, from Genoa, Naples, and Palermo, which arrived at New York September 8; the *San Giorgio*, from Naples and Palermo, arrived September 12; the *Oceania*, from Trieste, Patras, Almeria, Spain, and Algiers, arrived September 12; and the *Prinzess Irene*, from Naples and Gibraltar, arrived September 13.

PELLAGRA: AN INVESTIGATION OF A LOCAL OUTBREAK IN KENTUCKY.

By R. M. GRIMM, Assistant Surgeon, United States Public Health and Marine-Hospital Service.

The following is a brief report upon an investigation of a "local outbreak" of pellagra, which occurred in southeastern Kentucky during the spring and early summer of 1911. The investigation was brought about by the appearance or by the recognition of a large number of cases of pellagra in this section of the State at this time. It was conducted under orders of the Surgeon General of the Public Health and Marine-Hospital Service and upon the request of the secretary of the State Board of Health of Kentucky and the Representative from the congressional district in which the cases occurred. The time spent upon the investigation was from August 12 to August 30, 1911, and during this time the pellagra situation was looked into in the counties of Whitley, Knox, and Bell.

These three counties are located in the southeastern portion of Kentucky along the Tennessee and Virginia lines, which is the most mountainous section of the State. Each county is traversed by the

Cumberland River, which flows in a tortuous course through and around their many hills. The tributaries of this river and their numerous branches of creeks and runs form an irregular network of streams throughout these counties. A glance at a topographical map of this section will show the extreme irregularity of contour of the country and the scarcity of level land, which explains the presence of the multitude of small streams and the absence of many large ones. In addition to these permanently flowing streams, there are back among the hills many of the "wet-weather" type, which flow only during the winter, spring, and early summer. The country is dotted with numerous springs, some of which flow throughout the year while others become dry during the summer or have only a small flow.

The water supply of the towns and rural districts is of course abundant, and in no instance does the water have to be conducted any great distance for use. Wells have been sunk at various places, but the majority of the people use surface water for general use.

The investigation was conducted with the help of the various county officials and of many local physicians, who rendered invaluable assistance in the collection of the following data:

WHITLEY COUNTY.

It was learned from Dr. E. S. Moss, of Williamsburg, health officer of the county, that pellagra had been present in Whitley at least since 1907, and that at that time a case of pellagra was recognized and diagnosed as such. Since 1907 the number of recognized cases of pellagra in this county has increased each year and the physicians are becoming more and more familiar with the disease and are on the lookout for it.

On account of the fact that the cases of pellagra in Whitley County are widely scattered and that many of them are in persons living in places difficult of access I was unable to visit all of them at their homes and had to depend largely upon the reports of physicians who had seen or treated them. The number of cases which were either seen by me or reported to me by physicians is as follows:

| | |
|---|-----------------|
| A. Cases of pellagra in Whitley County: | |
| (1) Diagnosis positive..... | ¹ 32 |
| (2) Diagnosis probable..... | 5 |
| B. Reported deaths of known pellagrins..... | ² 9 |

KNOX COUNTY.

I was informed by Dr. J. S. Lock, of Barbourville, health officer of the county, that pellagra had been recognized by the physicians in Knox County only since the spring or early summer of 1911. The death of two women at this time from a disease which was not diagnosed brought on a discussion, which, considered with reports of cases of pellagra from other counties, led to the recognition of the disease in Knox County. It is certain, however, that pellagra existed in this county before the date of its recognition, as a number of the cases that I visited in the county gave histories dating back three or

¹ Cases were diagnosed positive only when the three cardinal sets of symptoms were present or when there was a definite history of them.

² It was learned that 12 deaths had previously been reported from this county, but definite information could be obtained of only 9.

four years. Dr. W. Burnside, of Barbourville, stated to me that he is confident that he treated a patient in 1901 for symptoms which he now recognizes to have been those of pellagra.

As far as I have been able to determine the number of cases of pellagra which have been recognized in Knox County up to the present time is as follows:

| | |
|---|----|
| A. Cases of pellagra in Knox County: | |
| (1) Diagnosis positive..... | 30 |
| (2) Diagnosis probable..... | 2 |
| B. Reported deaths of known pellagrins..... | 4 |

BELL COUNTY.

The exact date of the recognition of pellagra in Bell County is indefinite. It seems to have been first recognized there during the spring of 1911, although a number of physicians remember having treated cases before this date which they now know were cases of pellagra. A case was related to me by Dr. O. P. Nuckols, of Straight Creek, which was seen by him in the summer of 1910 and which had shown symptoms during the summer of 1909.

The first public recognition of the presence of pellagra in Bell County was made at the regular July meeting of the Bell County Medical Society, which was held at Cary on July 7, 1911, upon the invitation of the physicians of the Continental Coal Corporation at that place. The meeting was attended by a large number of county physicians and laymen. Five cases of well-defined pellagra were exhibited by Drs. Hendren and Hastings, of Cary, Ky., who had recognized and diagnosed them in their practice. Following this meeting a considerable amount of interest in the disease was shown by the profession of the county, and a number of cases were at once discovered at other places in the county. A pellagra conference was called by the secretary of the State Board of Health of Kentucky, and was held at Corbin, Ky., on August 9, 1911. This meeting was attended by a large number of physicians and laymen from the surrounding counties. A number of cases of pellagra were shown and the disease was generally discussed. Many cases of pellagra have been seen and recognized since these meetings by physicians who were before that time not familiar with the disease.

The majority of the cases of pellagra which have been recognized in Bell County have been in the mining camps around Pineville and around Middlesborough. The number of cases which have been recognized in Bell County up to the present time is as follows:

| | |
|---|-----------------|
| A. Cases of pellagra in Bell County: | |
| (1) Diagnosis positive..... | ¹ 40 |
| (2) Diagnosis probable..... | 13 |
| B. Reported deaths of known pellagrins..... | 5 |

In regard to the number of cases of pellagra in Whitley, Knox, and Bell Counties, Ky., at the present time, my investigation shows the following grand total:

| | |
|-------------------------------|-----|
| (1) Diagnosis positive..... | 102 |
| (2) Diagnosis probable..... | 20 |
| (3) Deaths from pellagra..... | 18 |
| Grand total..... | 140 |

¹ Two of these have recently died.

The report of 8 cases of pellagra and 1 death from Laurel County was made to me by Dr. M. W. Steele, health officer of Corbin, and 5 cases and 1 death were reported to me from the Tennessee line by Dr. J. G. Moss, of Hartranft, Tenn. The cases in these two reports are not included in the reports from Whitley, Knox, and Bell Counties.

In the consideration of the whole series of 140 cases some generalizations can be made which may be of interest. Practically every case occurred in families in poor economic circumstances and living under rather unhygienic conditions. Many of them were in families of coal miners. On account of the topography of the country the most suitable locations for homes are along the streams, consequently a large percentage of the inhabitants live along watercourses. In every instance where I was able to visit the pellagrins at their homes I found them living within 500 or 600 yards from a stream. A number of them were living in houses situated literally on the banks of the streams. The question of diet was not gone into thoroughly, but in every instance where I was able to make inquiry regarding the diet of the pellagrin it was learned that corn products had been one of the main articles of diet. In fact corn products are used extensively by nearly all of the people in this section.

I was able to find only 16 pellagrins who were then living at the homes at which they were living when they first noted the symptoms of the disease. Upon inquiry as to the water supply in these instances it was found, with only one exception, to be either surface water from branches or creeks or water taken directly from neighboring mountain springs.

Regarding the race, sex, and age of the pellagrins in this series, I have constructed the following table from the data pertaining to these points:

| | Number. | Percent- age. | Average age. ¹ |
|----------------------|---------|------------------|------------------------------|
| White females..... | 104 | 74.3 | 25.64 |
| White males..... | 28 | 20.0 | 30.05 |
| Colored females..... | 7 | 5.0 | 33.00 |
| Colored males..... | 1 | .7 | 13.00 |
| Total..... | 140 | 100.0 | ..... |

¹ Reckoned on 93 cases.

Some other observations were made and some other data collected which are not included in the above report, but will probably be used in a subsequent paper on the epidemiology of pellagra.

In conclusion I wish to thank the health officers of Whitley, Knox, and Bell Counties for their valuable assistance and cooperation in this investigation. I am especially indebted to Drs. J. G. Foley, J. Harry Hendren, O. P. Nuckols, L. L. Robinson, and T. H. Curd, of Bell County; to Drs. J. S. Lock, Wilder, and W. Burnside, of Knox County; to Drs. E. S. and C. A. Moss and L. O. Smith, of Whitley County; and to Dr. M. W. Steele, of Corbin. Without their assistance very little could have been done.

UNITED STATES.

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

[Adopted since Jan. 1, 1910.]

CHELSEA, MASS.

ICE CREAM.

RULE 116. No ice cream shall be manufactured or stored in any portion of a building which is used for the stabling of horses or other animals, or in any room used in whole or in part for domestic or sleeping purposes, unless the manufacturing and storage room for ice cream is separated from other parts of the building to the satisfaction of the board of health.

RULE 117. All rooms in which ice cream is manufactured or stored shall be provided with tight walls and floors and kept constantly clean. The walls and floors of said rooms shall be of such construction as to permit rapid and thorough cleansing. The room or rooms aforesaid shall be equipped with appliances for washing or sterilizing all utensils employed in the mixing, freezing, storage, sale, or distribution of ice cream, and all such utensils after use shall be thoroughly washed with boiling water, or sterilized by steam. Vessels used in the manufacture and sale of ice cream shall not be employed as containers for other substances than ice cream.

RULE 118. All establishments in which ice cream is manufactured shall be equipped with facilities for the proper cleansing of the hands of operatives, and all persons immediately before engaging in the mixing of the ingredients entering into the composition of ice cream, or its subsequent freezing and handling, shall thoroughly wash his or her hands and keep them cleanly during such manufacture and handling. All persons shall be dressed in clean outer garments while engaged in the manufacture and handling of ice cream.

RULE 119. No urinal, water-closet, or privy shall be located in the rooms mentioned in the preceding section, or so situated as to pollute the atmosphere of said rooms.

RULE 120. All vehicles used in the conveyance of ice cream for sale or distribution shall be kept in a cleanly condition and free from offensive odors.

RULE 121. Ice cream kept for sale in any shop, restaurant, or other establishment shall be stored in a covered box or refrigerator. Such box or refrigerator shall be properly drained and cared for, and shall be kept tightly closed, except during such intervals as are necessary for the introduction or removal of ice cream or ice, and they shall be kept only in such locations and under such conditions as shall be approved by the board of health.

RULE 122. Every person engaged in the manufacture, storage, transportation, sale, or distribution of ice cream, immediately on the occurrence of any case or cases of infectious disease, either in himself or in his family, or amongst his employees, or within the building or premises where ice cream is manufactured, stored, sold, or distributed, shall notify the board of health and at the same time shall suspend the sale and distribution of ice cream until authorized to resume the same by the said board of health. No vessels which have been handled by persons suffering from such disease shall be used to hold or convey ice cream until they have been thoroughly sterilized.

RULE 123. All cream, milk, or skimmed milk employed in the manufacture of ice cream shall before use be kept at a temperature not higher than 50° F.

RULE 124. No person, by himself or by his servant or agent or as the servant or agent of any other person, firm, or corporation, shall in the city of Chelsea sell, exchange, or deliver any ice cream which contains more than 500,000 bacteria per cubic centimeter.

RULE 125. No old or melted ice cream, or ice cream returned to a manufacturer from whatever cause, shall again be used in the preparation of ice cream. [Regulation board of health, adopted May 10, 1910.]

PROTECTION OF FOODSTUFFS.

RULE 126. Bakers' products sold or offered for sale in stores in which groceries or other articles are sold shall be kept in a cleanly manner in suitable covered cases or receptacles.

RULE 127. Stores in which bakers' products are the principal articles sold shall be kept in a cleanly condition at all times. Bread, cake, cookies, etc., offered for sale shall be kept covered, as far as possible, to prevent contamination by dust and flies.

RULE 128. No foodstuff which is to be offered for sale shall be stored or kept in any living or sleeping room of any house.

RULE 129. Foodstuffs shall not be exposed in open windows or doorways, or in front of stores, unless properly protected from dust, flies, and animals.

RULE 130. Provisions and foodstuffs of any kind shall not be carried through any street, private way, or public place unless properly protected from dust and flies. [Regulation board of health, adopted May 10, 1910.]

MEDICAL CHESTS.

[Acts of 1907.—Chap. 164, sec. 1.]

Every person, firm, or corporation operating a factory or shop in which machinery is used for any manufacturing purpose, or for any other purpose except for elevators, or for heating or hoisting apparatus, shall at all times keep and maintain free of expense to the employees, such a medical and surgical chest as shall be required by the local board of health of any city or town where such machinery is used, containing plasters, bandages, absorbent cotton, gauze, and all other necessary medicines, instruments, and other appliances for the treatment of persons injured or taken ill upon the premises.

RULE 131. In compliance with the foregoing act of the legislature the Chelsea Board of Health requires the following medical and surgical appliances to be kept and maintained by factories and shops in Chelsea:

- 1 pair of scissors, straight (2½-inch blade).
- 1 elastic tourniquet (minimum 24 inches).
- 1 roll 2-inch adhesive plaster.
- 1 dozen 2-inch gauze bandage.
- 1 pound absorbent cotton.
- 1 yard sterile gauze.
- 10 yards canton flannel (used with carron oil for burns).
- 100 tablets 1½-grain corrosive sublimate and citric acid.
- 6 whitewood strips, 40 by 4 by 3.16.
- 2 pillows.
- 1 package pins.
- 3 dozen safety pins.
- 4 ounces spirits of ammonia, aromatic (rubber stopple).
- ½ gallon of carron oil.
- 1 pint of brandy.
- 1 pint of sulphonaphthol.

[R. L.—Chap. 104, sec. 41.]

* * * All factories and workshops shall be well lighted, well ventilated, and kept clean. Suitable receptacles for expectoration shall be provided in all factories and workshops by the proprietors thereof, the same to be of such form and construction and of such number as shall be satisfactory to the board of health of the city or town in which the factory or workshop is situated

RULE 132. In accordance with the foregoing law the board of health requires the following form, construction, and number of receptacles for expectoration in factories and workshops in the city of Chelsea.

Under ordinary conditions 1 cuspidor for every 5 male or every 20 female operatives.

The cuspidor may be of enameled iron or steel or other metal or glazed pottery. It should contain at least 1 inch of water when in use and must be cleaned every day with hot water and the contents flushed into the sewer. [Regulation board of health adopted May 10, 1910.]

COLUMBUS, OHIO.

HOUSING CODE—TITLE 2 (SANITATION).

SEC. 32. Basement and cellar rooms.—In tenement houses and dwelling houses hereafter erected no room in the basement or cellar shall be constructed, altered, converted or occupied for living purposes, other than for cooking or laundry purposes.

SEC. 33. Cellars, and spaces under floors.—When the first floor of any tenement house or dwelling house hereafter erected is occupied, or intended to be occupied,

for living purposes, said floor shall be at least 2 feet above the grade of the adjacent ground, and the space beneath such floor shall be inclosed to prevent the accumulation of rubbish, but provided with ample ventilation and adequate drainage. All cellars and basements in such tenement house or dwelling house shall be properly lighted, ventilated and drained in all their parts.

SEC. 34. Courts, areas, and yards.—In every tenement house and dwelling house hereafter erected all courts, areas, and yards shall be properly graded and drained, so that all water may drain freely into the street or sewer. And when necessary to secure such drainage, or to keep such premises in a sanitary condition, such courts, areas, or yards, or such portion thereof as the health department shall order, shall be properly concreted.

SEC. 35. Water and water-closets in tenement houses.—In every tenement house hereafter erected there shall be in each apartment a proper sink with running water. In every such house there shall be within each apartment a separate water-closet, located in the bathroom or in a separate compartment. Each such water-closet shall be placed in a compartment completely separated from every other water-closet; such compartment shall be not less than 3 feet wide, and shall be inclosed with plastered partitions, which shall extend to the ceiling. Every such compartment shall have a window opening directly upon the street or upon a yard or court of the minimum size prescribed in this ordinance. Every water-closet compartment hereafter placed in any tenement house shall be provided with proper means of lighting the same at night. If fixtures for gas or electricity are not provided in said compartment, then the door of said compartment shall be provided with translucent glass panels, not less in area than 4 square feet. The floor of every such water-closet compartment, unless the same be placed in a bathroom, shall be made waterproof with asphalt, tile, stone, or some other nonabsorbing waterproof material; and such waterproofing shall extend at least 6 inches above the floor, so that the said floor can be washed or flushed out without leaking. No drip trays shall be permitted. No water-closet fixtures shall be inclosed with any woodwork. Where in such tenement house there are apartments consisting of but one room, it shall be sufficient to provide one water-closet for each two such apartments. In such case, such water-closet shall not open into any apartment, but shall be accessible through a public hall, and the door thereof shall be provided with lock and keys; and such compartment and water-closet shall comply in all other respects with the provisions of this ordinance.

SEC. 36. Water and water-closets in dwelling houses.—In every dwelling house hereafter erected where public water mains are reasonably accessible such house shall be provided with a proper sink therein, with running water inside the house; and when such water mains are not accessible such house shall have other water, suitable for all domestic uses, supplied either within the house or within 12 feet thereof; and every such house which is also reasonably accessible to a public or private sewer shall be provided with a water-closet inside the house. Such water-closet shall be in a compartment completely inclosed in plastered walls extending to the ceiling, with a window not less than 6 square feet in area opening directly upon the street or upon a yard or court of the minimum dimensions prescribed in this ordinance, and shall not be located in the cellar or basement; provided, that where such house has two or more water-closets one of them may be located in the basement or cellar, and when so located such water-closet and the compartment containing the same shall, in all other respects, comply with the provisions of this section. Where a sewer is not accessible the closet shall consist of a privy vault, located in the yard and constructed in accordance with the ordinances of the city relating thereto; and the structure containing such privy shall be provided with adequate means of ventilation.

SEC. 37. Sewer connection.—No tenement house shall hereafter be erected on any street unless there is city water accessible thereto, nor unless there is a sewer accessible thereto. No cesspool or privy vault or similar means of sewage disposal shall be used in connection with any such tenement house, but every such house shall have its plumbing system connected with a sewer before such house is occupied.

SEC. 38. Plumbing.—In all tenement houses hereafter erected where plumbing or other pipes pass through floors or partitions, the openings around such pipes shall be sealed or made air-tight with plaster or other incombustible material, so as to prevent the passage of air or the spread of fire from one floor to another or from room to room. All plumbing work, except as otherwise specified in this ordinance, shall be in accordance with the plumbing regulations of said city. [Ordinance, adopted Mar. 6, 1911.]

GRAND RAPIDS, MICH.

MILK—REGULATION OF THE SALE OF.

The common council of the city of Grand Rapids doth ordain:

That sections 2, 3, and 9 of an ordinance entitled as aforesaid, be and the same are hereby amended, and one new section added to be known as section 2½, so as to read as follows:

"Sec. 2. Any person or persons desiring to sell, barter, or traffic in milk or cream within the city of Grand Rapids, upon his, her, or their application to the board of health of the city of Grand Rapids, who shall after investigation make its report on each application to the city clerk, recommending the granting or refusing of a license in each case. No license shall be issued by the city clerk except upon favorable report of the board of health. Following a favorable report from the board of health, a license shall be issued to the applicant upon payment to the city clerk of the following license fee and complying with the provisions of this ordinance.

"For the selling of milk or cream from wagon, for each wagon \$5, from a dairy, creamery, or milk company, \$5; from cart pushed or propelled by hand, \$1; from a can carried by hand and for selling from houses, restaurants, and all other places, \$1. Said license shall be revokable by the board of health upon failure of the licensee to comply with the provisions of this ordinance.

"Said license shall not be transferable by the holder thereof and shall continue and be operative until the first Monday in May next ensuing the issuance of the same, unless sooner revoked, and the license fee above provided shall be for the full year or for any part thereof: *Provided, however,* That no fee shall be charged any farmer or other person for such license, who does not sell any milk or cream whatever, except such as he produces from his own cows on his own farm or premises. All persons selling only milk produced on their own premises shall obtain, on application, from the milk inspector, an order on the city clerk for a permit, and on presentment of the same the city clerk shall issue to such applicant a permit without charge.

"Sec. 2½. All persons engaged in the sale, delivery or distribution of milk in the city of Grand Rapids shall furnish the board of health upon proper blanks provided a list of the names and locations of the dairy farms from which the milk so distributed is obtained, and shall before making any changes in their supply, notify the board of health of such intended changes. Any person neglecting to comply with this regulation, or who dispenses milk from any dairy whose milk has been excluded from the city of Grand Rapids by the board, shall have his license revoked.

"Sec. 3. The board of health shall furnish a blank application for milk license which shall require among other things the following information which the applicant shall state fully and explicitly:

"First. The full name, residence and post-office address of said applicant.

"Second. The exact location or place from which said applicant obtained his milk or cream, and if said applicant is not a producer of milk then the name of the person or persons from whom he obtains his milk or cream.

"Third. If the applicant is a producer of milk or cream, the number of cows in his dairy herd, and if not a producer the number of cows in the dairy herd of the person or persons from whom he obtains the same.

"Fourth. The manner in which said applicant intends to dispose of his milk or cream when licensed according to the provisions of this ordinance.

"Such application shall be signed by the applicant or some person authorized to sign for him, her or them, and when received shall be filed with the board of health.

"Sec. 9. When milk tickets shall have been sold and once used by the customer the use of the same thereafter is hereby prohibited.

"All milk sold in bottles must be bottled at the dairy house, creamery, or milk depot and milk must not be put in bottles while on the road. The hauling of milk cans, bottles or other vessels in which milk shall be delivered, to or from the place of delivery in wagons used for hauling manure, swill or in any other unclean vehicle, is hereby expressly prohibited. The temperature of milk when delivered or offered for sale by wholesale must not be higher than 60° F., nor contain more than 200,000 bacteria to the cubic centimeter. The temperature of milk when delivered or offered for sale by retail from wagons must not be higher than 60° F., nor contain more than 200,000 bacteria to the cubic centimeter. The violation of any of the provisions of this section shall subject the offender to the penalties of this ordinance." [Ordinance adopted June 19, 1911.]

PLAGUE-PREVENTION WORK.

PLAGUE-INFECTED RAT FOUND AT SEATTLE, WASH.

A rat found dead at Seattle, Wash., August 26, has been bacteriologically determined to have been plague-infected.

PLAGUE-INFECTED GROUND SQUIRRELS FOUND IN CALIFORNIA.

During the week ended September 2, 1911, the finding of 14 plague-infected ground squirrels was reported. The squirrels were found as follows: In Contra Costa County, Cal., at Peoples Water Co. land, 3 miles east of Stege (Rancho El Sobrante) 8 squirrels found, 1 each on August 10, August 16, August 17, August 18, August 25, August 26, and 2 on September 1; at Peoples Water Co. land, 2½ miles north of Stege (Rancho San Pablo) on Wildcat Creek, 4 squirrels found, 1 each on August 11 and August 21, and 2 on August 30; at Mazone ranch, August 28, 3 miles east of Stege and one-half mile northeast of Sunset View Cemetery, on Wildcat Creek, 1 squirrel; at M. & F. Butterfield ranch, August 26, 3 miles northeast of Ripon, 1 squirrel.

DISTRIBUTION OF POISON.

In connection with the making and maintenance of a squirrel-free zone around the cities of California on San Francisco Bay, 5,234 acres of land in Alameda County and 1,850 acres in Contra Costa County were covered with poison during the week ended September 2, 1911.

During the same period 880 acres of land in San Joaquin County, 730 acres in San Benito County, and 1,146 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. |
|--|------------------------------------|----------------------------------|---------------------------------------|---|
| California: | | | | |
| Cities— | | | | |
| 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. |
| Counties— | | | | |
| Alameda (exclusive of Oakland and Berkeley). | Sept. 26, 1909.... | Oct. 17, 1909.... | Aug. 9, 1911.... | 108 squirrels, 1 wood rat. |
| Contra Costa..... | July 21, 1911..... | None..... | Sept. 1, 1911.... | 320 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..... | None..... | do..... | Aug. 26, 1911.... | 18 squirrels. |
| San Luis Obispo..... | do..... | 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. |
| Washington: | | | | |
| Cities— | | | | |
| Seattle..... | Oct. 30, 1907.... | Aug. 26, 1911... | None..... | 23 rats. |

Rats Collected and Examined for Plague Infection.

| Places. | Week ended— | Found dead. | Total collected. | Examined. | Found infected. |
|--------------------|--------------|-------------|--------------------|-----------|-----------------|
| California: | | | | | |
| Cities— | | | | | |
| Berkeley..... | Sept. 2..... | | ¹ 129 | 90 | |
| Oakland..... | do..... | 29 | ² 587 | 531 | |
| San Francisco..... | do..... | 22 | ³ 1,694 | 1,200 | |
| Washington: | | | | | |
| Cities— | | | | | |
| Seattle..... | do..... | | 1,035 | 903 | |

¹ Identified, *Mus norvegicus* 98, *Mus musculus* 31.² Identified, *Mus norvegicus* 505, *Mus musculus* 82.³ Identified, *Mus norvegicus* 967, *Mus musculus* 387, *Mus rattus* 184, *Mus alexandrinus* 156.

SQUIRRELS COLLECTED AND EXAMINED FOR PLAGUE INFECTION.

| Places. | Week ended— | Shot or trapped. | Found dead. | Examined. | Found infected. |
|--------------------|--------------|------------------|-------------|-----------|-----------------|
| California: | | | | | |
| Cities— | | | | | |
| San Francisco..... | Sept. 2..... | 1 | | | |
| Counties— | | | | | |
| Alameda..... | do..... | 91 | 61 | 131 | |
| Butte..... | do..... | 44 | | 44 | |
| Colusa..... | do..... | 18 | | 18 | |
| Contra Costa..... | do..... | 115 | 124 | 199 | 13 |
| Fresno..... | do..... | 2 | | 2 | |
| Glenn..... | do..... | 195 | | 186 | |
| Kern..... | do..... | 15 | | 15 | |
| Lake..... | do..... | 121 | | 103 | |
| Mendocino..... | do..... | 194 | 2 | 141 | |
| Merced..... | do..... | 100 | 1 | 101 | |
| San Benito..... | do..... | 1 | | 1 | |
| San Joaquin..... | do..... | 123 | 8 | 87 | 1 |
| Sonoma..... | do..... | 24 | | 24 | |
| Stanislaus..... | do..... | 225 | 3 | 122 | |
| Sutter..... | do..... | 29 | | 29 | |
| Tehama..... | do..... | 36 | | 35 | |
| Yolo..... | do..... | 115 | | 22 | |
| Oregon: | | | | | |
| Counties— | | | | | |
| Jackson..... | do..... | 40 | | 40 | |
| Total..... | | 1,489 | 199 | 1,300 | 14 |

OTHER ANIMALS COLLECTED AND EXAMINED.

| Places. | Week ended— | Animals collected. | Examined. | Found infected. |
|------------------|--------------|--------------------------|-----------|-----------------|
| California: | | | | |
| Counties— | | | | |
| Alameda..... | Sept. 2..... | 2 rabbits..... | 2 | |
| Butte..... | do..... | 1 rabbit..... | 1 | |
| Fresno..... | do..... | 8 chipmunks..... | 1 | |
| Glenn..... | do..... | 3 rabbits..... | 3 | |
| Kern..... | do..... | 1 rabbit..... | 1 | |
| Lake..... | do..... | do..... | 1 | |
| Merced..... | do..... | 8 rabbits, 1 gopher..... | 9 | |
| San Joaquin..... | do..... | 5 rabbits..... | 5 | |
| San Benito..... | do..... | 1 wood rat..... | | |
| Stanislaus..... | do..... | 17 rabbits..... | 17 | |
| Tehama..... | do..... | 1 rabbit..... | 1 | |
| Yolo..... | do..... | 3 rabbits..... | 3 | |
| Total..... | | | 44 | |

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 Sept. 22, 1911.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|----------------------|-----------------|--------|---------|--------------------|
| Colorado: | | | | |
| Counties— | | | | |
| Boulder..... | July 1-31.....* | 2 | | |
| Clear Creek..... | do..... | 3 | | |
| Denver..... | do..... | 4 | | |
| Huerfano..... | do..... | 2 | | |
| Kiowa..... | do..... | 1 | | |
| Lake..... | do..... | 2 | | |
| La Plata..... | do..... | 3 | | |
| Montrose..... | do..... | 2 | | |
| Otero..... | do..... | 1 | | |
| Washington..... | do..... | 5 | | |
| Weld..... | do..... | 1 | | |
| Total for State..... | | 26 | | |
| Archuleta..... | Aug. 1-31..... | 1 | | |
| Denver..... | do..... | 7 | | |
| Fremont..... | do..... | 2 | | |
| Huerfano..... | do..... | 2 | | |
| Jefferson..... | do..... | 1 | | |
| Kiowa..... | do..... | 3 | | |
| Las Animas..... | do..... | 1 | | |
| Larimer..... | do..... | 2 | | |
| Lake..... | do..... | 1 | | |
| Morgan..... | do..... | 3 | | |
| Pueblo..... | do..... | 2 | | |
| Total for State..... | | 25 | | |
| Florida: | | | | |
| Counties— | | | | |
| Bradford..... | Sept. 2-9..... | 1 | | |
| Gadsden..... | do..... | 20 | | |
| Total for State..... | | 21 | | |
| Kansas: | | | | |
| Counties— | | | | |
| Clark..... | July 1-31..... | 1 | | |
| Crawford..... | do..... | 2 | | |
| Douglas..... | do..... | 2 | | |
| Harvey..... | do..... | 10 | | |
| Jefferson..... | do..... | 6 | | |
| Jewell..... | do..... | 5 | | |
| Kearny..... | do..... | 1 | | |
| Labette..... | do..... | 5 | | |
| Lyon..... | do..... | 2 | | |
| Rooks..... | do..... | 9 | | |
| Sedgwick..... | do..... | 4 | | |
| Shawnee..... | do..... | 5 | | |
| Topeka..... | do..... | 22 | 10 | Outside of Topeka. |
| Total for State..... | | 74 | 10 | |
| Ohio: | | | | |
| Counties— | | | | |
| Hamilton..... | Aug. 1-31..... | 3 | | |
| Lucas..... | do..... | 1 | | |
| Ross..... | do..... | 9 | | |
| Total for State..... | | 13 | | |

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended Sept. 22, 1911.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|----------------------|----------------|---------|---------|----------|
| Oklahoma: | | | | |
| Counties— | | | | |
| Haskell..... | July 1-31..... | 7..... | ..... |  |
| Hughes..... | do..... | 1..... | ..... |  |
| Rogers..... | do..... | 1..... | ..... |  |
| Total for State..... | | 9..... | ..... |  |
| Virginia: | | | | |
| Counties— | | | | |
| Augusta..... | Aug. 1-31..... | 1..... | ..... |  |
| Campbell..... | do..... | 1..... | ..... |  |
| Essex..... | do..... | 1..... | ..... |  |
| Fairfax..... | do..... | 2..... | ..... |  |
| Halifax..... | do..... | 1..... | ..... |  |
| Henrico..... | do..... | 3..... | ..... |  |
| Henry..... | do..... | 3..... | ..... |  |
| Lee..... | do..... | 6..... | ..... |  |
| Nansemond..... | do..... | 3..... | ..... |  |
| Total for State..... | | 21..... | ..... |  |

Reports Received from July 1 to Sept. 15, 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. |
|---------------------------------------|--------------------|---------|---------|---------------------|
| *Alabama: | | | | |
| Mobile..... | June 18-24..... | 3..... | ..... |  |
| Montgomery..... | June 25-Aug. 19... | 4..... | ..... |  |
| Total for State..... | | 7..... | ..... |  |
| Arizona: | | | | |
| Counties— | | | | |
| Cochise..... | July 1-31..... | 1..... | ..... |  |
| California: | | | | |
| Counties— | | | | |
| Los Angeles..... | May 1-June 30.... | 7..... | ..... |  |
| Santa Cruz..... | May 1-31..... | 1..... | ..... |  |
| San Diego..... | do..... | 1..... | ..... |  |
| San Francisco..... | May 1-June 30.... | 2..... | ..... |  |
| Total for State..... | | 11..... | ..... |  |
| Colorado: | | | | |
| Counties— | | | | |
| Boulder..... | June 1-30..... | 1..... | ..... |  |
| Chaffee..... | do..... | 3..... | ..... |  |
| Clear Creek..... | do..... | 5..... | ..... |  |
| Conejos..... | do..... | 4..... | ..... |  |
| Costilla..... | do..... | 1..... | ..... |  |
| Delta..... | do..... | 7..... | ..... |  |
| Denver..... | do..... | 20..... | ..... |  |
| El Paso..... | do..... | 2..... | ..... |  |
| Huerfano..... | do..... | 3..... | ..... |  |
| Lake..... | do..... | 6..... | ..... |  |
| La Plata..... | do..... | 4..... | ..... |  |
| Larimer..... | do..... | 8..... | ..... |  |
| Lincoln..... | do..... | 2..... | ..... |  |
| Mesa..... | do..... | 1..... | ..... |  |
| Phillips..... | do..... | 1..... | ..... |  |
| Pueblo..... | do..... | 5..... | ..... |  |
| San Miguel..... | do..... | 1..... | ..... |  |
| Washington..... | do..... | 6..... | ..... |  |
| Total for State..... | | 80..... | ..... |  |
| Connecticut, entire State..... | | | | May 1-31, no cases. |
| Middlesex County..... | July 1-Aug. 31.... | 2..... | ..... |  |
| District of Columbia..... | July 2-8..... | 5..... | ..... |  |

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Sept. 15, 1911.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|----------------------|--------------------|--------|---------|----------|
| Florida: | | | | |
| Counties— | | | | |
| Alachua..... | Aug. 20-26..... | 3 | ..... |  |
| Bradford..... | July 17-Aug. 19... | 5 | ..... |  |
| Citrus..... | July 9-22..... | 2 | ..... |  |
| Columbia..... | July 2-8..... | 1 | ..... |  |
| De Soto..... | June 16-Aug. 26... | 7 | ..... |  |
| Duval..... |do..... | 36 | 1 | |
| Escambia..... |do..... | 7 | ..... |  |
| Gadsden..... | July 9-Aug. 16... | 49 | ..... |  |
| Hillsboro..... | June 16-Aug. 26... | 3 | ..... |  |
| Jackson..... | July 2-8..... | 31 | ..... |  |
| Leon..... | June 16-July 8... | 11 | ..... |  |
| Levy..... | July 9-16..... | 1 | ..... |  |
| Manatee..... | June 16-July 8... | 8 | ..... |  |
| Marion..... | July 9-16..... | 1 | ..... |  |
| Orange..... | June 16-July 16... | 2 | ..... |  |
| Pasco..... | July 9-16..... | 20 | ..... |  |
| Polk..... | June 16-July 16... | 5 | ..... |  |
| Santa Rosa..... | July 9-16..... | 6 | ..... |  |
| Sumter..... | Aug. 1-6..... | 1 | ..... |  |
| Volusia..... | July 9-16..... | 1 | ..... |  |
| Washington..... | Aug. 1-26..... | 8 | ..... |  |
| Total for State..... | | 208 | 1 | |
| Indiana: | | | | |
| Counties— | | | | |
| Allen..... | June 1-30..... | 1 | ..... |  |
| Bartholomew..... | July 1-31..... | 1 | ..... |  |
| Benton..... | June 1-30..... | 2 | ..... |  |
| Blackford..... |do..... | 4 | ..... |  |
| Clarke..... | July 1-31..... | 2 | ..... |  |
| Clinton..... | June 1-30..... | 7 | ..... |  |
| Delaware..... |do..... | 12 | ..... |  |
| Franklin..... | July 1-31..... | 1 | ..... |  |
| Henry..... |do..... | 1 | ..... |  |
| Howard..... | June 1-July 31... | 30 | ..... |  |
| Jay..... | June 1-30..... | 2 | ..... |  |
| Laporte..... |do..... | 2 | ..... |  |
| Madison..... | June 1-July 31... | 18 | ..... |  |
| Marion..... |do..... | 4 | ..... |  |
| Parke..... |do..... | 3 | ..... |  |
| Posey..... | June 1-30..... | 3 | ..... |  |
| Shelby..... |do..... | 3 | ..... |  |
| Tippecanoe..... | July 1-31..... | 2 | ..... |  |
| Tipton..... | June 1-30..... | 5 | ..... |  |
| Vanderburg..... |do..... | 1 | 1 | |
| Vigo..... | July 1-31..... | 7 | ..... |  |
| Wabash..... | June 1-30..... | 2 | ..... |  |
| Wayne..... | June 1-July 31... | 13 | ..... |  |
| Total for State..... | | 126 | 1 | |
| Iowa: | | | | |
| Counties— | | | | |
| Adams..... | June 1-July 31.... | 19 | ..... |  |
| Appanoose..... | June 1-30..... | 1 | ..... |  |
| Blackhawk..... |do..... | 4 | ..... |  |
| Carroll..... |do..... | 1 | ..... |  |
| Davis..... |do..... | 3 | ..... |  |
| Decatur..... | June 1-July 30... | 2 | ..... |  |
| Fremont..... | June 1-30..... | 11 | ..... |  |
| Henry..... |do..... | 1 | ..... |  |
| Johnson..... | July 1-31..... | 13 | ..... |  |
| Lee..... | June 1-30..... | 1 | ..... |  |
| Linn..... | July 1-Aug. 31... | 9 | ..... |  |
| Marshall..... | June 1-Aug. 31... | 9 | ..... |  |
| Mills..... | June 1-30..... | 1 | 1 | |
| Polk..... | June 1-Aug. 31... | 13 | ..... |  |
| Pottawattamie..... |do..... | 19 | ..... |  |
| Scott..... | June 1-July 31... | 6 | ..... |  |
| Sioux..... |do..... | 8 | ..... |  |
| Taylor..... |do..... | 9 | ..... |  |
| Wapello..... | June 1-Aug. 31... | 5 | ..... |  |
| Wright..... | June 1-30..... | 1 | ..... |  |
| Woodbury..... | July 1-31..... | 1 | ..... |  |
| Total for State..... | | 137 | 1 | |

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Sept. 15, 1911.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|--------------------------|--------------------|--------|---------|----------|
| Kansas: | | | | |
| Counties— | | | | |
| Allen..... | May 1-31..... | 7 | | |
| Anderson..... | June 1-30..... | 15 | | |
| Atchison..... | May 1-June 30.... | 2 | | |
| Barton..... | do..... | 8 | | |
| Clay..... | May 1-31..... | 1 | | |
| Cloud..... | do..... | 1 | | |
| Crawford..... | May 1-June 30.... | 17 | | |
| Dickinson..... | May 1-31..... | 13 | | |
| Doniphan..... | do..... | 15 | | |
| Douglas..... | May 1-June 30.... | 2 | | |
| Elk..... | May 1-31..... | 15 | | |
| Ellsworth..... | June 1-30..... | 1 | | |
| Franklin..... | May 1-31..... | 4 | | |
| Graham..... | May 1-June 30.... | 3 | | |
| Harvey..... | do..... | 20 | | |
| Haskell..... | May 1-31..... | 19 | | |
| Jefferson..... | May 1-June 30.... | 3 | | |
| Johnson..... | do..... | 5 | | |
| Kearny..... | June 1-30..... | 1 | | |
| Labette..... | May 1-June 30.... | 8 | | |
| Lane..... | June 1-30..... | 11 | | |
| Leavenworth..... | May 1-June 30.... | 3 | | |
| Marion..... | May 1-31..... | 3 | | |
| Marshall..... | do..... | 3 | | |
| Miami..... | May 1-31..... | 3 | | |
| Mitchell..... | do..... | 6 | | |
| Montgomery..... | do..... | 5 | | |
| Norton..... | June 30..... | 9 | | |
| Osage..... | May 1-31..... | 1 | 3 | |
| Pottawatomie..... | do..... | 2 | | |
| Reno..... | do..... | 3 | | |
| Republic..... | do..... | 1 | | |
| Rice..... | June 30..... | 13 | | |
| Riley..... | May 1-June 30.... | 9 | | |
| Rooks..... | May 1-31..... | 4 | | |
| Saline..... | May 1-June 30.... | 7 | | |
| Sedgwick..... | do..... | 8 | | |
| Shawnee..... | do..... | 22 | 1 | |
| Sherman..... | June 1-30..... | 1 | | |
| Smith..... | May 1-31..... | 18 | | |
| Thomas..... | do..... | 2 | | |
| Washington..... | do..... | 1 | | |
| Wyandotte..... | May 1-June 30.... | 25 | | |
| Total for State..... | | 320 | 4 | |
| *Kentucky: | | | | |
| Covington..... | July 2-22..... | 10 | | |
| Louisville..... | May 1-31..... | 4 | | |
| Total for State..... | | 14 | | |
| *Louisiana: | | | | |
| Parishes— | | | | |
| Ascension..... | Mar. 1-31..... | 21 | | |
| Morehouse..... | Apr. 1-30..... | 4 | | |
| Orleans— | | | | |
| New Orleans..... | June 25-Aug. 13... | 4 | | |
| St. Tammany..... | Mar. 1-31..... | 3 | | |
| Tangipahoa..... | Mar. 1-Apr. 30.... | 21 | | |
| Total for State..... | | 53 | | |
| Maine, entire State..... | | | | |
| County— | | | | |
| Androscoggin..... | Aug. 1-31..... | 3 | | |
| Somerset..... | June 1-30..... | 3 | | |
| Total for State..... | | 6 | | |
| Maryland: | | | | |
| Counties— | | | | |
| Frederick..... | July 1-31..... | 3 | | |
| Prince Georges..... | do..... | 1 | | |
| Washington..... | June 1-30..... | 1 | | |
| Total for State..... | | 5 | | |

July 1-31, no cases.

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Sept. 15, 1911.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|----------------------|----------------------|--------|---------|---|
| Massachusetts: | | | | July 1-31, no cases. |
| County— | | | | |
| Middlesex..... | June 1-30..... | 1 | | |
| Michigan: | | | | |
| Counties— | | | | |
| Antrim..... | June 1-30..... | 2 | | |
| Calhoun..... | June 1-July 31..... | 12 | | |
| Cheboygan..... | July 1-31..... | 10 | | |
| Grand Traverse..... | June 1-30..... | 6 | | |
| Isabella..... | do..... | 1 | | |
| Mackinac..... | June 1-July 31..... | 3 | | |
| Marquette..... | June 1-30..... | 1 | | |
| Milford..... | July 1-31..... | 1 | | |
| Montcalm..... | do..... | 6 | | |
| Muskegon..... | do..... | 2 | | |
| Oakland..... | June 1-30..... | 1 | | |
| Ottawa..... | do..... | 1 | | |
| St. Clair..... | June 1-July 31..... | 9 | | |
| Shiawassee..... | June 1-30..... | 1 | | |
| Washtenaw..... | June 1-July 31..... | 6 | | |
| Wayne..... | June 1-30..... | 5 | | |
| Total for State..... | | 67 | | |
| Minnesota: | | | | |
| Counties— | | | | |
| Ramsey..... | Mar. 1-31..... | | 1 | Cases in March, reported on p. 683, vol. 1. |
| | May 1-31..... | | 1 | |
| Brown..... | June 20-26..... | 2 | | |
| Carver..... | June 1-5..... | 1 | | |
| Dodge..... | July 4-21..... | 4 | | |
| Faribault..... | June 6-17..... | 2 | | |
| Fillmore..... | June 6-12..... | 1 | | |
| Goodhue..... | July 25-31..... | 1 | | |
| Hennepin..... | June 1-July 17..... | 32 | | |
| Houston..... | July 25-31..... | 1 | | |
| Lac qui Parle..... | June 1-19..... | 4 | | |
| Mille Lacs..... | June 1-5..... | 1 | | |
| Otter Tail..... | June 1-July 31..... | 6 | | |
| Ramsey..... | June 1-5..... | 26 | | |
| St. Louis..... | June 21-July 31..... | 7 | | |
| Wadena..... | July 11-17..... | 1 | | |
| Yellow Medicine..... | June 1-26..... | 35 | | |
| Total for State..... | | 124 | 2 | |
| *Missouri: | | | | |
| Kansas City..... | June 1-30..... | 17 | | |
| St. Louis..... | June 18-Sept. 2..... | 2 | | |
| Total for State..... | | 19 | | |
| Montana: | | | | |
| Counties— | | | | June 1-30, no cases. |
| 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 | | |
| *Nebraska: | | | | |
| Lincoln..... | Feb. 1-June 30..... | 200 | | July 1-30, no cases. |
| Omaha..... | June 19-Aug. 19..... | 4 | | |
| South Omaha..... | Aug. 20-26..... | 1 | | |
| Total for State..... | | 205 | | |
| New Jersey: | | | | |
| County— | | | | No cases in June and August. |
| Middlesex..... | July 1-31..... | 1 | | |

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Sept. 15, 1911.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|----------------------|---------------------|--------|---------|----------|
| New York..... | June 1-31..... | 1 | | |
| Counties— | | | | |
| Cattaraugus..... | July 1-31..... | 1 | | |
| Erie..... | June 1-July 31..... | 18 | | |
| Clinton..... | June 1-30..... | 1 | | |
| Franklin..... | do..... | 1 | | |
| Monroe..... | do..... | 4 | | |
| Onondaga..... | June 1-July 31..... | 7 | | |
| Otsego..... | June 1-30..... | 1 | | |
| St. Lawrence..... | do..... | 4 | | |
| Schoharie..... | July 1-31..... | 11 | | |
| Steuben..... | do..... | 1 | | |
| Tioga..... | June 1-30..... | 1 | | |
| Ulster..... | do..... | 5 | | |
| Wayne..... | July 1-31..... | 1 | | |
| Wyoming..... | do..... | 1 | | |
| Total for State..... | | 58 | | |
| North Carolina: | | | | |
| Counties— | | | | |
| Alamance..... | June 1-July 31..... | 2 | | |
| Avery..... | do..... | 56 | | |
| Bertie..... | do..... | 2 | | |
| Catawba..... | June 1-30..... | 1 | | |
| Chatham..... | do..... | 2 | | |
| Craven..... | do..... | 3 | | |
| Cumberland..... | June 1-July 31..... | 5 | | |
| Currituck..... | July 1-31..... | 1 | | |
| Duplin..... | do..... | 3 | | |
| Durham..... | do..... | 4 | | |
| Edgecombe..... | June 1-30..... | 4 | | |
| Granville..... | July 1-31..... | 5 | | |
| Haywood..... | June 1-30..... | 3 | | |
| Henderson..... | do..... | 4 | | |
| Johnston..... | July 1-31..... | 1 | | |
| Mecklenburg..... | do..... | 3 | | |
| New Hanover..... | June 1-July 31..... | 7 | | |
| Pasquotank..... | June 1-30..... | 2 | | |
| Robeson..... | July 1-31..... | 2 | | |
| Rowan..... | June 1-July 31..... | 2 | | |
| Sampson..... | July 1-31..... | 1 | | |
| Warren..... | do..... | 2 | | |
| Watauga..... | June 1-30..... | 2 | | |
| Wayne..... | July 1-31..... | 1 | | |
| Wilmington..... | do..... | 3 | | |
| Total for State..... | | 121 | | |
| North Dakota: | | | | |
| Counties— | | | | |
| Billings..... | June 1-July 31..... | 8 | | |
| Cass..... | Aug. 1-31..... | 1 | | |
| Lamoure..... | July 1-31..... | 1 | | |
| McKenzie..... | Aug. 1-31..... | 1 | | |
| Montraille..... | do..... | 6 | | |
| Morton..... | June 1-30..... | 1 | | |
| Nelson..... | Aug. 1-31..... | 4 | | |
| Ward..... | June 1-30..... | 1 | | |
| Total for State..... | | 23 | | |
| Ohio: | | | | |
| Counties— | | | | |
| Ashtabula..... | June 1-July 31..... | 3 | | |
| Brown..... | June 1-30..... | 4 | | |
| Clark..... | July 1-31..... | 19 | | |
| Clermont..... | June 1-30..... | 3 | | |
| Defiance..... | do..... | 1 | | |
| Franklin..... | July 1-31..... | 44 | | |
| Geauga..... | June 1-30..... | 2 | | |
| Hamilton..... | July 1-31..... | 16 | | |
| Licking..... | do..... | 1 | | |
| Lorain..... | do..... | 5 | | |
| Lucas..... | do..... | 5 | | |
| Pickaway..... | do..... | 3 | | |
| Sandusky..... | June 1-31..... | 4 | | |
| Total for State..... | | 110 | | |

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Sept. 15, 1911.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|--------------------------|---------------------|--------|---------|----------|
| Oklahoma: | | | | |
| Counties— | | | | |
| Bryan..... | June 1-30..... | 1 | | |
| Caddo..... | May 1-31..... | 1 | | |
| Carter..... | June 1-30..... | 1 | | |
| Cleveland..... | May 1-June 30..... | 49 | | |
| Comanche..... | June 1-30..... | 1 | | |
| Craig..... | do..... | 6 | | |
| Custer..... | May 1-31..... | 5 | | |
| Dewey..... | do..... | 6 | | |
| Ellis..... | June 1-30..... | 3 | | |
| Garvin..... | May 1-31..... | 19 | | |
| Haskell..... | May 1-June 30..... | 2 | | |
| Hughes..... | May 1-31..... | 3 | | |
| 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 | | |
| Okfuskee..... | May 1-31..... | 1 | | |
| Oklahoma..... | May 1-June 30..... | 10 | | |
| Pittsburg..... | June 1-30..... | 1 | | |
| Pontotoc..... | May 1-31..... | 5 | | |
| Pottawatomie..... | June 1-30..... | 3 | | |
| Pushmataha..... | May 1-31..... | 2 | | |
| Roger Mills..... | May 1-June 30..... | 6 | | |
| Seminole..... | do..... | 16 | | |
| Tulsa..... | do..... | 10 | | |
| Wagoner..... | May 1-31..... | 1 | | |
| Washington..... | June 1-30..... | 1 | | |
| Washita..... | May 1-June 30..... | 2 | | |
| Woodward..... | May 1-31..... | 1 | | |
| Total for State..... | | 199 | | |
| Oregon: | | | | |
| Counties— | | | | |
| Baker..... | June 1-30..... | 1 | | |
| Benton..... | May 1-31..... | 1 | | |
| Douglas..... | Apr. 1-30..... | 1 | | |
| Linn..... | do..... | 1 | | |
| Morrow..... | May 1-31..... | 1 | | |
| Multnomah..... | Apr. 1-June 30..... | 10 | | |
| Union..... | June 1-30..... | 1 | | |
| Wasco..... | do..... | 1 | | |
| Washington..... | Apr. 1-June 30..... | 7 | | |
| Yamhill..... | June 1-30..... | 1 | | |
| Total for State..... | | 25 | | |
| Pennsylvania..... | May 1-June 30..... | 79 | | |
| Rhode Island: | | | | |
| Providence..... | June 15-July 14... | 3 | | |
| * South Carolina: | | | | |
| Port Royal..... | July 22..... | 1 | | |
| South Dakota: | | | | |
| Counties— | | | | |
| Aurora..... | June 1-July 31.... | 3 | | |
| Beadie..... | 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 | | |
| Codington..... | June 1-July 31..... | 7 | | |
| Davison..... | May 1-July 31..... | 7 | | |
| Day..... | June 1-30..... | 1 | | |
| Dewey..... | do..... | 4 | | |
| Fall River..... | Apr. 1-May 31..... | 18 | | |
| Grant..... | do..... | 4 | | |
| Hanson..... | May 1-31..... | 1 | | |
| Hughes..... | June 1-30..... | 1 | | |
| Hutchinson..... | Apr. 1-30..... | 1 | | |

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Sept. 15, 1911.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|--------------------------------|--------------------|--------|---------|----------------------------|
| South Dakota—Continued. | | | | |
| Counties—Continued. | | | | |
| Jerauld..... | May 1-June 30.... | 6 | ..... |  |
| Kingsbury..... | Apr. 1-May 31.... | 8 | ..... |  |
| Lawrence..... | Apr. 1-July 31.... | 7 | ..... |  |
| Lincoln..... | do..... | 1 | ..... |  |
| Lyman..... | Apr. 1-May 31.... | 16 | 1 | |
| McCook..... | do..... | 11 | ..... |  |
| Miner..... | Apr. 1-June 30.... | 5 | ..... |  |
| Minnehaha..... | do..... | 15 | ..... |  |
| Pennington..... | do..... | 48 | ..... |  |
| Sanborn..... | May 1-31..... | 3 | ..... |  |
| Spink..... | Apr. 1-July 31.... | 7 | ..... |  |
| Tripp..... | Apr. 1-June 30.... | 7 | ..... |  |
| Turner..... | July 1-31..... | 5 | ..... |  |
| Total for State..... | | 225 | 1 | |
| Tennessee: | | | | |
| Counties— | | | | |
| Knox— | | | | |
| Knoxville..... | June 18-July 22... | 9 | ..... |  |
| Shelby..... | June 1-30..... | 9 | ..... |  |
| Total for State..... | | 18 | ..... |  |
| Texas..... | | | | |
| Counties— | | | | |
| Denton..... | May 1-31..... | 12 | ..... | Omitted on p. 813, vol. 1. |
| Denton..... | Apr. 1-30..... | 4 | ..... |  |
| Bell..... | June 1-30..... | 2 | ..... |  |
| Cameron..... | May 1-July 31.... | 26 | ..... |  |
| Childress..... | June 1-30..... | 1 | ..... |  |
| Collin..... | May 1-31..... | 5 | ..... |  |
| Dallas..... | do..... | 13 | ..... |  |
| Denton..... | do..... | 1 | ..... |  |
| El Paso..... | May 1-July 31.... | 11 | ..... |  |
| Floyd..... | May 1-31..... | 3 | ..... |  |
| Galveston..... | May 1-June 30.... | 7 | ..... |  |
| Hall..... | do..... | 4 | ..... |  |
| Harris..... | May 1-July 31.... | 5 | ..... |  |
| 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 | ..... |  |
| Wichita..... | May 1-31..... | 6 | ..... |  |
| Total for State..... | | 167 | ..... |  |
| Utah: | | | | |
| Counties— | | | | |
| Beaver..... | May 1-July 31.... | 18 | ..... |  |
| Boxelder..... | do..... | 31 | ..... |  |
| Cache..... | May 1-June 30.... | 14 | ..... |  |
| Carbon..... | May 1-July 31.... | 99 | 1 | |
| Emery..... | do..... | 82 | 1 | |
| Garfield..... | do..... | 14 | ..... |  |
| Juab..... | July 1-31..... | 4 | ..... |  |
| Piute..... | May 1-31..... | 9 | ..... |  |
| Rich..... | July 1-31..... | 16 | ..... |  |
| Salt Lake..... | May 1-July 31.... | 34 | ..... |  |
| Sanpete..... | May 1-June 30.... | 22 | ..... |  |
| Sevier..... | May 1-July 31.... | 39 | ..... |  |
| Tooele..... | May 1-June 30.... | 33 | ..... |  |
| Uinta..... | do..... | 2 | ..... |  |
| Utah..... | May 1-July 31.... | 18 | 1 | |
| Washington..... | do..... | 1 | ..... |  |
| Weber..... | do..... | 11 | ..... |  |
| Total for State..... | | 447 | 3 | |
| Virginia: | | | | |
| Counties— | | | | |
| Brunswick..... | Mar. 1-May 31.... | 49 | ..... |  |
| Campbell..... | May 1-June 30.... | 1 | ..... |  |
| Dinwiddie..... | Apr. 1-May 31.... | 19 | ..... |  |

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Sept. 15, 1911.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|--|--------------------|--------|---------|----------|
| Virginia—Continued. | | | | |
| Counties—Continued. | | | | |
| Fairfax..... | Mar. 1-Apr. 30.... | 4 | | |
| Fauquier..... | Apr. 1-May 30.... | 6 | | |
| Greenville..... | July 1-31..... | 4 | | |
| Hanover..... | Mar. 1-July 31.... | 3 | | |
| Henrico..... | Mar. 1-June 30.... | 14 | | |
| Henry..... | do..... | 74 | | |
| Isle of Wight..... | May 1-31..... | 1 | | |
| Lancaster..... | do..... | 1 | | |
| Lee..... | Mar. 1-July 31.... | 101 | | |
| Loudoun..... | Mar. 1-31..... | 1 | | |
| Mecklenburg..... | Mar. 1-June 30.... | 18 | | |
| Nansemond..... | Mar. 1-May 31.... | 21 | | |
| Norfolk..... | Apr. 1-May 31.... | 26 | | |
| 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-Apr. 30.... | 9 | | |
| Surry..... | Mar. 1-31..... | 2 | | |
| Sussex..... | Mar. 1-June 30.... | 7 | | |
| Wise..... | do..... | 15 | | |
| Total for State..... | | 434 | | |
| Washington: | | | | |
| Counties— | | | | |
| Chehalis..... | May 1-31..... | 2 | | |
| Chelan..... | do..... | 1 | | |
| Columbia..... | do..... | 5 | | |
| Cowlitz..... | do..... | 1 | | |
| Garfield..... | do..... | 3 | | |
| King..... | do..... | 27 | | |
| Mason..... | do..... | 28 | | |
| Pierce..... | do..... | 7 | | |
| San Juan..... | do..... | 1 | | |
| Skagit..... | do..... | 4 | | |
| Spokane..... | do..... | 5 | | |
| Thurston..... | do..... | 1 | | |
| Whatcom..... | do..... | 5 | | |
| Whitman..... | do..... | 17 | | |
| Yakima..... | do..... | 35 | | |
| Total for State..... | | 142 | | |
| Wisconsin: | | | | |
| Counties— | | | | |
| Ashland..... | June 1-30..... | 1 | | |
| Barron..... | do..... | 3 | | |
| Douglas..... | do..... | 2 | | |
| Iowa..... | do..... | 8 | | |
| Milwaukee..... | do..... | 1 | | |
| Vilas..... | do..... | 1 | | |
| Wood..... | do..... | 2 | | |
| Total for State..... | | 18 | | |
| Grand total for the United States..... | | 3,487 | 13 | |

PLAGUE IN THE UNITED STATES.

Reports Received from July 25 to Sept. 15, 1911.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|--------------------|-----------------|--------|---------|---|
| California: | | | | |
| Counties— | | | | |
| Alameda— | | | | |
| Oakland..... | Aug. 8..... | 1 | | Infection received at Pinol Ca- |
| Contra Costa..... | July 25-26..... | 1 | 1 | nion, Contra Costa County, Cal. 1 mile nw. of Lafayette. |

MORBIDITY AND MORTALITY.

MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES, FOR WEEK ENDED SEPTEMBER 2, 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 | 177 | 14 | ..... | ..... | ..... | 5 | ..... | ..... | ..... | 19 | 20 | 68 | 12 |
| Boston, Mass..... | 670,585 | 204 | 16 | ..... | 19 | ..... | 11 | ..... | ..... | ..... | 65 | 14 | 16 | 3 |
| Chicago, Ill..... | 2,185,283 | ..... | 92 | 17 | 14 | 4 | 61 | 4 | ..... | ..... | 149 | 59 | 26 | 6 |
| Cleveland, Ohio..... | 560,663 | 132 | 23 | 1 | 3 | ..... | 37 | 1 | ..... | ..... | 26 | 14 | 31 | 3 |
| New York, N. Y..... | 4,766,883 | 1,228 | 123 | 15 | 94 | 6 | 49 | 2 | ..... | ..... | 401 | 148 | 123 | 20 |
| Philadelphia, Pa..... | 1,549,008 | 378 | 59 | 4 | 6 | 2 | 37 | 2 | ..... | ..... | 86 | 43 | 56 | 5 |
| St. Louis, Mo..... | 687,029 | 180 | 10 | 2 | 1 | ..... | 8 | 1 | 1 | ..... | 20 | 16 | 31 | 3 |
| Cities having from 300,000 to 500,000 inhabitants. | | | | | | | | | | | | | | |
| Buffalo, N. Y..... | 423,715 | 102 | 17 | 1 | 1 | ..... | 6 | ..... | ..... | ..... | 26 | 10 | 16 | 1 |
| Cincinnati, Ohio..... | 364,463 | 111 | 7 | 2 | ..... | 1 | 27 | 1 | 1 | ..... | 21 | 17 | 11 | 2 |
| Detroit, Mich..... | 465,766 | 135 | 15 | 4 | ..... | ..... | 6 | 2 | ..... | ..... | ..... | ..... | ..... | ..... |
| Los Angeles, Cal..... | 319,198 | 90 | 1 | 1 | ..... | ..... | 4 | ..... | ..... | ..... | 19 | 17 | 5 | 1 |
| Milwaukee, Wis..... | 373,857 | 96 | 10 | 1 | ..... | ..... | 14 | ..... | ..... | ..... | 13 | 9 | 11 | 2 |
| Newark, N. J..... | 347,469 | 87 | 22 | ..... | ..... | ..... | 5 | ..... | ..... | ..... | 21 | 7 | 3 | ..... |
| New Orleans, La..... | 339,075 | 115 | 5 | ..... | 8 | ..... | 3 | ..... | ..... | ..... | 19 | 12 | 11 | 1 |
| San Francisco, Cal..... | 416,912 | 86 | ..... | ..... | 16 | 1 | 2 | ..... | ..... | ..... | 9 | 7 | 4 | ..... |
| Washington, D. C..... | 331,069 | 97 | 4 | ..... | 4 | ..... | 3 | ..... | ..... | ..... | 15 | 11 | 17 | 2 |
| Cities having from 200,000 to 300,000 inhabitants. | | | | | | | | | | | | | | |
| Denver, Colo..... | 213,381 | 42 | 22 | ..... | ..... | ..... | 4 | ..... | 1 | ..... | ..... | 6 | 21 | ..... |
| Jersey City, N. J..... | 267,779 | 70 | ..... | ..... | ..... | ..... | 1 | ..... | ..... | ..... | 7 | ..... | ..... | 1 |
| Kansas City, Mo..... | 248,381 | 65 | 3 | ..... | 1 | ..... | 4 | ..... | 1 | ..... | 9 | ..... | ..... | 2 |
| Providence, R. I..... | 224,326 | 55 | 6 | 1 | ..... | ..... | 2 | ..... | ..... | ..... | 1 | 6 | 9 | ..... |
| Cities having from 100,000 to 200,000 inhabitants. | | | | | | | | | | | | | | |
| Bridgeport, Conn..... | 102,054 | 15 | 1 | ..... | ..... | ..... | 1 | ..... | ..... | ..... | 1 | ..... | 3 | ..... |
| Cambridge, Mass..... | 104,839 | 25 | 13 | 1 | 3 | ..... | 1 | ..... | ..... | ..... | 5 | 4 | ..... | ..... |
| Columbus, Ohio..... | 181,548 | 41 | 4 | ..... | 1 | ..... | 3 | ..... | ..... | ..... | ..... | 4 | 7 | ..... |
| Dayton, Ohio..... | 116,577 | 27 | ..... | ..... | ..... | ..... | 1 | ..... | ..... | ..... | 4 | 1 | 1 | 1 |
| Fall River, Mass..... | 119,295 | ..... | 1 | 1 | ..... | ..... | 1 | ..... | ..... | ..... | ..... | 2 | 2 | 2 |
| Grand Rapids, Mich..... | 112,571 | 27 | 1 | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 1 | 2 | ..... |
| Lowell, Mass..... | 106,294 | 33 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2 | 3 | ..... |
| Memphis, Tenn..... | 131,105 | 43 | 1 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | 2 | 6 | 69 | 8 |
| Nashville, Tenn..... | 110,364 | 34 | 3 | ..... | ..... | ..... | 2 | ..... | ..... | ..... | ..... | 7 | 6 | 1 |
| Omaha, Nebr..... | 124,096 | 5 | 1 | ..... | 1 | ..... | 1 | ..... | ..... | ..... | 4 | ..... | 5 | ..... |
| Spokane, Wash..... | 104,402 | 21 | ..... | ..... | 1 | ..... | 2 | ..... | ..... | ..... | ..... | 2 | 11 | ..... |
| Toledo, Ohio..... | 168,497 | 35 | 8 | 1 | ..... | ..... | 5 | ..... | ..... | ..... | ..... | 6 | 7 | 1 |
| Worcester, Mass..... | 145,986 | 40 | 7 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | 10 | 1 | 5 | ..... |
| Cities having from 50,000 to 100,000 inhabitants. | | | | | | | | | | | | | | |
| Altoona, Pa..... | 52,127 | 9 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2 | ..... |
| Bayonne, N. J..... | 55,545 | 9 | 2 | ..... | 2 | ..... | ..... | ..... | ..... | ..... | 1 | ..... | ..... | ..... |
| Brockton, Mass..... | 56,878 | 11 | ..... | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 2 | ..... | ..... |
| Camden, N. J..... | 94,538 | ..... | 4 | 2 | ..... | ..... | ..... | ..... | ..... | ..... | 1 | ..... | ..... | ..... |
| Covington, Ky..... | 53,270 | 11 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2 | 5 | 1 |
| Duluth, Minn..... | 78,466 | 20 | 2 | ..... | ..... | ..... | 1 | ..... | 1 | ..... | 6 | 3 | 3 | ..... |
| Elizabeth, N. J..... | 73,409 | 24 | 1 | ..... | ..... | ..... | 1 | ..... | ..... | ..... | ..... | 3 | ..... | ..... |
| Erie, Pa..... | 66,525 | 20 | ..... | ..... | ..... | ..... | ..... | ..... | 2 | ..... | ..... | ..... | 2 | 1 |
| Evansville, Ind..... | 69,647 | 11 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1 | 2 | 3 | 2 |
| Harrisburg, Pa..... | 64,186 | 12 | 1 | ..... | 2 | ..... | ..... | ..... | ..... | ..... | 1 | 2 | 1 | ..... |
| Hartford, Conn..... | 98,915 | 20 | 6 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 4 | 3 | 4 | 2 |
| Hoboken, N. J..... | 70,324 | 3 | 2 | ..... | ..... | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Houston, Tex..... | 78,800 | 15 | 3 | ..... | ..... | ..... | ..... | ..... | 1 | ..... | ..... | 1 | ..... | 1 |
| Johnstown, Pa..... | 56,482 | 19 | ..... | ..... | ..... | ..... | 2 | 1 | ..... | ..... | ..... | ..... | 1 | 2 |

Morbidity and mortality table, cities of the United States, for week ended September 2—
Continued.

| Cities. | Population, 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 in- habitants—Continued. | | | | | | | | | | | | | | |
| Lawrence, Mass. | 85,892 | 29 | 2 | | | | 1 | | | | 4 | 3 | 1 | |
| Lynn, Mass. | 89,336 | 22 | 1 | | | | 3 | | | | 3 | 3 | 3 | |
| Manchester, N. H. | 70,063 | 18 | | | | | | | | | 1 | 1 | | |
| New Bedford, Mass. | 96,652 | 43 | 1 | | 2 | | 1 | | | | 7 | 2 | 3 | 1 |
| Passaic, N. J. | 54,773 | 11 | 2 | | | | | | | | | | | |
| Peoria, Ill. | 66,950 | 15 | 2 | | | | | | | | | | | |
| Reading, Pa. | 96,071 | 23 | 7 | | | | | | | | 1 | 6 | 8 | |
| San Antonio, Tex. | 96,614 | 27 | | | | | 1 | | 2 | | | 8 | 8 | 3 |
| Schenectady, N. Y. | 72,826 | 12 | | | | | | | | | 5 | 1 | 4 | |
| Springfield, Ill. | 51,678 | 15 | | 1 | | | 1 | | | | | 2 | | |
| Springfield, Mass. | 88,926 | 21 | 2 | | 1 | | 1 | | | | 6 | 3 | 5 | |
| Trenton, N. J. | 96,815 | 34 | 4 | | | | 1 | | 3 | 1 | | | 3 | |
| Wilkes-Barre, Pa. | 67,105 | 20 | 1 | | 1 | | | | | | 1 | 1 | 1 | |
| Wilmington, Del. | 87,411 | 19 | | | | | | | | | | | | |
| Yonkers, N. Y. | 79,803 | 17 | 5 | | 1 | | 8 | | | | 3 | 1 | 1 | |
| Cities having from 25,000 to 50,000 inhabitants. | | | | | | | | | | | | | | |
| Atlantic City, N. J. | 46,150 | 12 | | | 1 | | | | | | 2 | | 3 | |
| Aurora, Ill. | 29,807 | 16 | 3 | 1 | | | 1 | | | | | 2 | | |
| Binghamton, N. Y. | 48,443 | 18 | | | | | | | | | 1 | | 1 | |
| Brookline, Mass. | 27,792 | 7 | | | 1 | | | | | | 1 | | | |
| Butte, Mont. | 39,165 | 18 | 1 | | | | | | | | | 1 | | |
| Chattanooga, Tenn. | 44,604 | | | | | | 1 | | | | | | 1 | |
| Chelsea, Mass. | 32,452 | 4 | 3 | | 6 | | 5 | | | | 3 | | 3 | |
| Chicopee, Mass. | 25,401 | 6 | | | | | 2 | 1 | | | | | 1 | |
| Danville, Ill. | 27,871 | 8 | | | | | | | | | | | | 1 |
| East Orange, N. J. | 34,371 | 4 | 2 | | | | | | | | | | | |
| Elmira, N. Y. | 37,176 | 10 | 8 | | | | | | | | | | 1 | |
| El Paso, Tex. | 39,279 | 21 | | | | | | | 2 | 1 | 2 | 4 | 6 | |
| Everett, Mass. | 33,484 | 4 | 1 | | | | | | | | | 1 | 1 | |
| Haverhill, Mass. | 44,115 | 6 | | | | | | | | | 1 | | 1 | |
| Kalamazoo, Mich. | 39,437 | 20 | | | | | 1 | | | | 2 | 1 | 1 | |
| Knoxville, Tenn. | 35,346 | 14 | 1 | | | | | | | | | | | |
| La Crosse, Wis. | 30,417 | 4 | | | | | 1 | | | | | | 1 | 3 |
| Lancaster, Pa. | 47,227 | 9 | 3 | | | | | | | | | | 3 | |
| Lima, Ohio. | 30,508 | 5 | 1 | | | | | | | | 2 | 3 | 3 | |
| Lynchburg, Va. | 29,494 | 18 | 5 | | | | 3 | | 1 | | | | | 1 |
| Malden, Mass. | 44,404 | | 4 | | 1 | | 1 | | | | 1 | | 2 | |
| Montgomery, Ala. | 38,136 | 27 | 2 | | | | 6 | | | | | 3 | 1 | |
| Mount Vernon, N. Y. | | | | | 3 | | | | | | 1 | | | |
| Newcastle, Pa. | 36,280 | | 7 | | | | 2 | | | | 6 | | 2 | |
| Newport, Ky. | 30,309 | 12 | | | | | 3 | | | | 1 | 1 | 1 | 1 |
| Newton, Mass. | 39,806 | 4 | | | | | | | | | | | | |
| Niagara Falls, N. Y. | 30,445 | 10 | | | 2 | | | | | | | | 7 | 1 |
| Norristown, Pa. | 27,875 | 9 | 1 | | | | 1 | | | | 2 | | 3 | |
| Orange, N. J. | 29,630 | 8 | 3 | | | | | | | | | 1 | | |
| Pasadena, Cal. | 30,291 | 9 | | | | | | | | | | 3 | 1 | |
| Pittsfield, Mass. | 32,121 | 13 | 1 | | | | 1 | | | | 1 | 3 | | |
| Portsmouth, Va. | 33,190 | 12 | | | | | 2 | | | | | | 2 | |
| Racine, Wis. | 38,002 | 7 | | | | | | | | | | 1 | | |
| Roanoke, Va. | 34,874 | 11 | 3 | | | | 1 | | | | | 1 | 9 | |
| Rockford, Ill. | 45,401 | 15 | 1 | | | | | | | | 2 | 1 | 2 | |
| Salem, Mass. | 43,697 | 10 | 1 | | | | | | | | 1 | | 2 | |
| San Diego, Cal. | 39,578 | 18 | | | | | | | | | 6 | 6 | | |
| Superior, Wis. | 40,384 | 6 | 1 | | | | 1 | | | | | | | |
| Taunton, Mass. | 34,259 | 13 | | | | | | | | | 1 | | 1 | |
| Waltham, Mass. | 27,834 | 10 | | | | | | | | | 1 | 3 | | |
| West Hoboken, N. J. | 35,403 | 6 | | | 1 | | | | | | | 1 | | |
| Williamsport, Pa. | 31,860 | 8 | | | 1 | | | | | | | | 2 | |
| Wilmington, N. C. | 25,748 | 11 | | | | | | | | | | 1 | | |
| York, Pa. | 44,750 | | | | | | | | | | 1 | 1 | 3 | |
| Zanesville, Ohio. | 28,026 | 4 | | | | | | | | | | | | |

MORBIDITY AND MORTALITY—Continued.

Morbidity and mortality table, cities of the United States, for week ended September 2—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 less than 25,000 inhabitants. | | | | | | | | | | | | | | |
| Ann Arbor, Mich..... | | 6 | | | | | | | | | | 1 | | |
| Beaver Falls, Pa..... | | | 1 | | | | | | | | 1 | | | |
| Bennington, Vt..... | | 3 | 1 | | | | | | | | | | | |
| Braddock, Pa..... | 19,957 | 7 | 2 | | | | | | | | 1 | | 1 | |
| Butler, Pa..... | 20,728 | 5 | 2 | | | | 2 | | | | 1 | 1 | | |
| Cambridge, Ohio..... | 11,327 | 0 | | | | | | | | | 1 | | 1 | |
| Camden, S. C..... | | 3 | | | | | | | | | | | | |
| Carbondale, Pa..... | 17,040 | 7 | | | | | 1 | | | | | | | |
| Clinton, Mass..... | 13,075 | 4 | | | | | | | | | | 1 | 1 | |
| Columbus, Ga..... | | 7 | | 1 | | | | | | | | | | |
| Columbus, Ind..... | | 5 | | | | | | | | | | | 1 | |
| Concord, N. H..... | 21,497 | 16 | | | | | | | | | | 2 | | |
| Cumberland, Md..... | 21,839 | 6 | 2 | | | | | | | | | | 12 | 1 |
| Dunkirk, N. Y..... | | 8 | | | | | | | | | 1 | 1 | 1 | 1 |
| Galesburg, Ill..... | 20,089 | 13 | | | | | | | | | | | | |
| Gloucester, Mass..... | 24,398 | 8 | | | | | | | | | | | | |
| Harrison, N. J..... | 14,498 | 4 | 1 | | | | | | | | | | | |
| Homestead, Pa..... | 18,713 | 7 | 14 | | | | 1 | | | | | 2 | | |
| Hyde Park, Mass..... | 15,507 | 5 | | | | | | | | | 2 | 1 | 1 | |
| Kearny, N. J..... | 18,659 | 4 | | | | | | | | | 1 | | | |
| La Fayette, Ind..... | 12,081 | 5 | | | | | | | | | | 1 | | |
| Lebanon, Pa..... | 19,240 | 4 | 4 | | | | | | | | 2 | | | |
| Manistee, Mich..... | | | | | | | 2 | | | | | | | |
| Marinette, Wis..... | 14,610 | 5 | | | | | | | | | 1 | 1 | 2 | |
| Marlboro, Mass..... | 14,579 | 8 | 1 | | | | 1 | | | | 1 | 2 | | |
| Massillon, Ohio..... | 13,879 | 3 | | | | | 1 | | | | | | | |
| Medford, Mass..... | 23,150 | 3 | | | | | | | | | | | | |
| Melrose, Mass..... | 15,715 | 5 | | | | | | | | | | | | |
| Moline, Ill..... | 24,199 | 0 | 2 | | | | | | | | 2 | | 7 | |
| Montclair, N. J..... | 21,150 | 5 | | | | | | | | | | | | |
| Morristown, N. J..... | | 2 | | | | | 1 | | | | | | | |
| Nanticoke, Pa..... | 18,877 | 1 | 2 | | | | | | | | | | 2 | |
| Newburyport, Mass..... | 19,949 | 8 | | | | | | | | | 1 | 1 | | |
| North Adams, Mass..... | 22,019 | 3 | | | | | 1 | | | | | | 1 | |
| Northampton, Mass..... | 19,431 | 4 | | | | | | | | | 2 | | 1 | |
| Palmer, Mass..... | | 2 | | | | | | | | | | | | |
| Peekskill, N. Y..... | | 5 | | | | | | | | | | 1 | | |
| Pottstown, Pa..... | | 5 | | | | | | | | | | | | |
| Rutland, Vt..... | | 4 | | | | | | | | | | | | |
| Saratoga Springs, N. Y..... | | 2 | 1 | | | | | | | | 1 | | | |
| Steelton, Pa..... | 14,246 | 10 | 8 | 2 | 1 | | | | | | 1 | 1 | | |
| South Bethlehem, Pa..... | 19,973 | 6 | | | | | 2 | | | | | 1 | 1 | |
| Wilkinsburg, Pa..... | 11,080 | 9 | | | | | | | | | 4 | | 1 | |
| Woburn, Mass..... | 15,308 | 1 | | | | | | | | | | | | |

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

CONNECTICUT—*Stamford*.—Month of August, 1911. Population, 25,138. Total number of deaths from all causes not reported. No deaths from contagious diseases. Cases reported: Diphtheria 1, tuberculosis 1, typhoid fever 3.

FLORIDA.—Week ended September 2, 1911. Reports from the State board of health show diphtheria present at 4 localities with 9 cases, malaria at 3 localities with 12 cases, tuberculosis at 5 localities with 8 cases, typhoid fever at 7 localities with 12 cases.

Week ended September 9, 1911. Reports from the State board of health show diphtheria present in 3 localities with 4 cases,

malaria in 3 localities with 9 cases, smallpox in 2 counties with 21 cases, tuberculosis in 6 localities with 16 cases, typhoid fever in 11 localities with 21 cases.

ILLINOIS—Alton.—Three months ended August 31, 1911. Population, 20,446. Total number of deaths from all causes 49, including diphtheria 2, tuberculosis 3, typhoid fever 1. Cases reported: Diphtheria 6, scarlet fever 9.

NEW YORK—Rome.—Month of August, 1911. Population, 20,497. Total number of deaths from all causes, 53. No deaths from contagious diseases. Cases reported: Diphtheria 8, measles 23, tuberculosis 2, typhoid fever 2.

OKLAHOMA.—Month of July, 1911. Population, 1,657,155. Total number of deaths from all causes 736, including diphtheria 3, scarlet fever 5, tuberculosis 33, typhoid fever 83. Cases reported: Diphtheria 13, scarlet fever 61, smallpox 9, tuberculosis 63, typhoid fever 525.

OREGON.—Month of April, 1911. Population, 672,765. Total number of deaths from all causes 517, including diphtheria 6, measles 10, scarlet fever 2, tuberculosis 58, typhoid fever 7. Cases reported: Diphtheria 37, measles 354, scarlet fever 103, smallpox 8, tuberculosis 30, typhoid fever 19.

Month of May, 1911. Total number of deaths from all causes 479, including diphtheria 2, measles 2, scarlet fever 1, tuberculosis 55, typhoid fever 7. Cases reported: Diphtheria 17, measles 296, scarlet fever 68, smallpox 10, tuberculosis 23, typhoid fever 12.

Month of June, 1911. Total number of deaths from all causes 431, including diphtheria 3, scarlet fever 1, tuberculosis 36, typhoid fever 4. Cases reported: Diphtheria 27, measles 75, scarlet fever 50, smallpox 7, tuberculosis 24, typhoid fever 11.

FOREIGN AND INSULAR.

AUSTRALIA.

Sydney—Examination of Rats for Plague Infection.

The following information was taken from bulletins issued by the department of public health of New South Wales:

During the three weeks ended July 15, 1,271 rats were examined for plague infection. No plague-infected rat was found. Date of last case of human plague May 29, 1909. Date of last case of rat plague April 25, 1910.

BRAZIL.

Manaos—Yellow fever.

The American consular agent reported September 16 the presence of 5 cases of yellow fever at Manaos.

Para—Plague.

The American consul reported September 16 the occurrence of 2 cases of plague at Para.

Rio de Janeiro—Plague.

The American consul general reported September 16 the occurrence of 2 cases of plague at Rio de Janeiro.

BRITISH EAST AFRICA.

Plague.

Consul Weddell at Zanzibar reports August 9:

Plague continues present in East Africa. To July 29, 34 cases with 19 deaths were reported at Nairobi and 52 cases with 40 deaths at Kismayu.

CHINA.

Railway Transportation of Tarabagan Furs Prohibited.

Surg. Irwin at Yokohama reports August 21:

The carriage of furs of the tarabagan on the Eastern Chinese Railway has been prohibited by the Russian Government owing to the danger of conveyance of plague.

Hongkong—Plague—Plague Rats.

Surg. Brown reports August 8:

During the week ended August 5, 13 cases of plague with 10 deaths occurred at Hongkong. During the same period 1,825 rats were collected and 17 rats found to be plague infected.

CUBA.**Transmissible Diseases.**

The following statement of transmissible diseases was issued by the national department of sanitation:

AUGUST 1-10, 1911.

| | New cases. | Deaths. | Remaining under treatment. |
|------------------------------|------------|---------|----------------------------|
| Tuberculosis..... | 53 | 75 | 2,200 |
| Leprosy..... | 1 | 1 | 344 |
| Malaria..... | 52 | 8 | 136 |
| Typhoid fever..... | 47 | 15 | 120 |
| Diphtheria..... | 17 | 1 | 15 |
| Scarlet fever..... | 6 | ..... | 9 |
| Measles..... | 38 | 2 | 134 |
| Varicella..... | 4 | ..... | 4 |
| Tetanus in the new born..... | 6 | 6 | 1 |
| Filariasis..... | 2 | ..... | 2 |

No quarantinable diseases were reported in the island during the week ended September 2.

ITALY.**Status of Cholera.**

Surg. Geddings at Naples reports September 14:

From August 27 to September 2 cholera was reported in Italy as follows: Naples city, 15 cases with 4 deaths; Naples Province, 63 cases with 29 deaths; Genoa city, 32 cases with 16 deaths; Rome, 16 cases with 10 deaths; Leghorn, 220 cases with 138 deaths; rest of continental Italy, 794 cases with 314 deaths; Palermo city, 60 cases with 19 deaths; Palermo Province, 48 cases with 24 deaths; rest of Sicily, 111 cases with 53 deaths; Milan city and Province, 18 cases with 6 deaths.

Naples—Examination of Emigrants.

Dr. Geddings further reported:

WEEK ENDED AUGUST 19, 1911.

Vessels inspected at Naples.

| Date. | Name of ship. | Destination. | Steerage passengers inspected and passed. | Pieces of baggage inspected and passed. | Pieces of baggage disinfected. |
|---------|-------------------|---------------|---|---|--------------------------------|
| Aug. 18 | Sant' Anna..... | New York..... | 294 | 55 | 370 |
| 18 | Duca d'Aosta..... | do..... | 301 | 70 | 490 |
| | Total..... | | 595 | 125 | 860 |

Rejections recommended.

| Date. | Name of ship. | Trachoma. | Suspected trachoma. | Favus. | Other causes. | Total. |
|---------|-------------------|-----------|---------------------|--------|---------------|--------|
| Aug. 18 | Sant' Anna..... | 5 | ..... | 1 | ..... | 6 |
| 18 | Duca d'Aosta..... | 1 | 1 | ..... | ..... | 2 |
| | Total..... | 6 | 1 | 1 | ..... | 8 |

Second-class baggage inspected and disinfected at Naples.

| Date. | Name of ship. | Pieces of baggage inspected and passed. | Pieces of baggage disinfected. |
|---------|-------------------|---|--------------------------------|
| Aug. 18 | Sant' Anna..... | 30 | 95 |
| 18 | Duca d'Aosta..... | 25 | 45 |
| | Total..... | 55 | 140 |

WEEK ENDED AUGUST 26, 1911.

Vessels inspected at Naples.

| Date. | Name of ship. | Destination. | Steerage passengers inspected and passed. | Pieces of baggage disinfected. |
|---------|---------------|-------------------|---|--------------------------------|
| Aug. 23 | Italia..... | New York..... | 143 | 355 |
| 25 | Verona..... | Philadelphia..... | 86 | 310 |
| 25 | America..... | New York..... | 113 | 335 |
| 26 | Romanic..... | Boston..... | 315 | 640 |
| 26 | Roma..... | New York..... | 91 | 195 |
| 26 | Mendoza..... | do..... | 104 | 325 |
| | Total..... | | 852 | 2,160 |

Rejections recommended.

| Date. | Name of ship. | Trachoma. | Favus. | Suspected trachoma. | Other causes. | Total. |
|---------|---------------|-----------|--------|---------------------|---------------|--------|
| Aug. 23 | Italia..... | 1 | 1 | | 1 | 3 |
| 25 | Verona..... | 2 | | | | 2 |
| 25 | America..... | | | | 1 | 1 |
| 26 | Romanic..... | 2 | | | 1 | 3 |
| 26 | Roma..... | | | | 2 | 2 |
| 26 | Mendoza..... | 2 | | | | 2 |
| | Total..... | 7 | 1 | | 5 | 13 |

Second-class baggage disinfected at Naples.

| Date. | Name of ship. | Pieces of baggage disinfected. |
|---------|---------------|--------------------------------|
| Aug. 25 | Verona..... | 250 |
| 25 | America..... | 73 |
| 26 | Romanic..... | 210 |
| 26 | Mendoza..... | 85 |
| | Total..... | 618 |

JAPAN.**Kobe—Dysentery.**

Acting Asst. Surg. Moore reports:

During the week ended August 6, 8 cases of dysentery with 2 deaths, and during the week ended August 12, 17 cases with 5 deaths, were reported at Kobe.

MEXICO.**Yellow Fever at Merida.**

During the week ended September 9, 2 cases of yellow fever were officially reported at Merida. From August 10, the date on which the first case occurred, to September 9, the total number of cases was 13 with 5 deaths.

PERU.**Callao—Plague.**

Acting Asst. Surg. Castro-Gutierrez reports August 25:
A case of plague occurred at Callao August 24.

ROUMANIA.**Cholera.**

The American consul at Bucharest reports September 14 the occurrence of 3 cases of cholera at Braila.

TURKEY.**Saloniki—Cholera.**

The American vice consul reports September 11 the presence of cholera at Saloniki.

Smyrna—Cholera.

The American vice consul general reports August 22:
From August 14 to 20, 90 new cases of cholera with 55 deaths were reported.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.**Reports Received During Week Ended Sept. 22, 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. |
|----------------------|---------------------|--------|---------|---|
| Austria-Hungary: | | | | |
| Arbe..... | Aug. 21-27..... | 2 | 2 | |
| Cittanuova..... | do..... | 1 | 1 | |
| Trieste..... | do..... | 1 | 1 | |
| France: | | | | |
| Pyrenees Department— | | | | |
| Perpignan..... | Aug. 25..... | 1 | 1 | On a railway train. |
| Italy..... | | | | Total for Italy, Aug. 27-Sept. 2: Cases, 1,377; deaths, 613. |
| Leghorn..... | Aug. 27-Sept. 2.... | 220 | 138 | Continental Italy, outside of Naples Province: Cases, 794; deaths, 314. |
| Provinces— | | | | |
| Genoa..... | do..... | | | |
| Genoa..... | do..... | 32 | 16 | |
| Milan..... | do..... | 18 | 6 | |
| Naples..... | do..... | 63 | 29 | |
| Naples..... | do..... | 15 | 4 | |
| Sicily..... | | | | |
| Palermo..... | Aug. 27-Sept. 2.... | 48 | 24 | Outside of Palermo Province: Cases, 111; deaths, 53. |
| Palermo..... | do..... | 60 | 19 | |
| Rome— | | | | |
| Rome..... | do..... | 16 | 10 | |
| India: | | | | |
| Madras..... | Aug. 6-12..... | 4 | 2 | |
| Negapatam..... | July 9-15..... | 4 | 2 | |

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

Reports Received During Week Ended Sept. 22, 1911.

CHOLERA—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|---------------------|--------------------|--------|---------|----------|
| Java: | | | | |
| Batavia..... | July 31-Aug. 5.... | 10 | 4 | |
| Roumania: | | | | |
| Braila..... | Sept. 14..... | 3 | | |
| Russia: | | | | |
| Governments— | | | | |
| Astrakhan..... | Aug. 13-19..... | 61 | 27 | |
| Daghestan..... | do..... | 27 | | |
| Kuban..... | do..... | 1 | 1 | |
| Rostov on Don..... | do..... | 4 | 3 | |
| Saratov..... | do..... | 15 | 17 | |
| Yekaterinislav..... | do..... | 1 | 1 | |
| Turkey: | | | | |
| Constantinople..... | Aug. 15-20..... | 269 | 170 | |
| Turkey in Asia: | | | | |
| Smyrna..... | Aug. 14-20..... | 90 | 55 | |

YELLOW FEVER.

| | | | | |
|-------------|---------------|---|--|--|
| Brazil: | | | | |
| Manaos..... | Sept. 16..... | 5 | | |
| Mexico: | | | | |
| Merida..... | Sept. 8..... | 2 | | |

PLAGUE.

| | | | | |
|---------------------------|---------------------|----|----|--|
| Brazil: | | | | |
| Para..... | Sept. 16..... | 2 | | |
| Rio de Janeiro..... | Sept. 16..... | 2 | | |
| Egypt: | | | | |
| Alexandria..... | July 27-Aug. 12.... | 1 | | |
| Port Said..... | Aug. 2-19..... | 8 | 4 | |
| Provinces— | | | | |
| Beni Souef..... | July 21-Aug. 10.... | 1 | | |
| Galloubeeh..... | July 29-Aug. 22.... | 1 | 1 | |
| Indo-China: | | | | |
| Saigon..... | Aug. 1-6..... | 12 | 3 | |
| Java: | | | | |
| Paserocean Residency..... | July 31-Aug. 5.... | 36 | 11 | |
| Peru: | | | | |
| Callao..... | Sept. 24..... | 1 | | |

SMALLPOX.

| | | | | |
|---------------------|---------------------|-----|----|--|
| Chile: | | | | |
| Punta Arenas..... | July 1-31..... | 1 | | |
| China: | | | | |
| Hongkong..... | July 23-31..... | 1 | 1 | |
| France: | | | | |
| Paris..... | Aug. 20-26..... | 1 | | |
| India: | | | | |
| Madras..... | Aug. 6-12..... | 12 | 5 | |
| Indo-China: | | | | |
| Saigon..... | Aug. 1-6..... | 4 | 2 | |
| Italy: | | | | |
| Naples..... | Aug. 13-26..... | 16 | 2 | |
| Palermo..... | do..... | 114 | 59 | |
| Mexico: | | | | |
| Aguascalientes..... | Aug. 28-Sept. 3.... | | 1 | |
| Chihuahua..... | Aug. 14-20..... | 6 | 1 | |
| Mazatlan..... | Aug. 27-Sept. 2.... | 1 | | |
| Mexico..... | July 31-Aug. 6.... | 10 | 7 | |
| Tampico..... | Aug. 1-30..... | 1 | 2 | |
| Portugal: | | | | |
| Lisbon..... | Aug. 20-26..... | 1 | | |
| Russia: | | | | |
| Moscow..... | Aug. 6-22..... | 12 | 7 | |
| Spain: | | | | |
| Valencia..... | Aug. 22-28..... | | | |
| Turkey: | | | | |
| Constantinople..... | Aug. 21-27..... | | 3 | |

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

Reports Received from July 1 to Sept. 15, 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. |
|-----------------------------|---------------------|--------|---------|---|
| Arabia: | | | | |
| Hodeida..... | June 16-30..... | 21 | 17 | Among the civil and the military population. Aug. 5, present among troops. |
| Austria-Hungary..... | | | | Total Austria-Hungary, May 24-Aug. 26, 56 cases, 26 deaths. |
| Campodistria..... | July 23-Aug. 13.... | 7 | 4 | |
| Flume..... | Aug. 9-17..... | 3 | | |
| Trieste..... | June 4-Aug. 26.... | 42 | 16 | July 8, the second case from s. s. Oceania. Case July 21, from s. s. Bandiera Moro. |
| Cattaro..... | July 6-20..... | 4 | 1 | |
| Muggia..... | Aug. 7-13..... | 2 | 1 | |
| Vienna..... | Aug. 14-20..... | 1 | 1 | |
| Waltendorf..... | May 31..... | 1 | | Second case. Near Gratz. |
| Bulgaria: | | | | |
| Kalondjik..... | June 18-20..... | 1 | 1 | Vicinity of Choumen. From the ship Cyrille, bound from the coast of Asia Minor. |
| Varna..... | July 4-Aug. 5..... | 2 | 2 | From Asia Minor via Constantinople. |
| Ceylon: | | | | |
| Colombo..... | May 21-July 29.... | 16 | 11 | |
| China: | | | | |
| Amoy..... | May 28-July 1.... | | 4 | Aug. 5, present. |
| Hankow..... | July 22..... | | | Present. |
| Hoihow..... | June 2..... | | | Do. |
| Manchuria— | | | | |
| Dalny..... | Sept. 5..... | | | Do. |
| Nanking..... | July 22-Aug. 19.... | | | Do. |
| Swatow..... | do..... | | | Do. |
| Dutch East Indies: | | | | |
| Java: | | | | |
| Batavia..... | May 14-July 29.... | 373 | 179 | June 15-28: Present in Borneo at Pamank and Singkawang; Sumatra at Telopakedal, and in Lombok at Geroeng. |
| Beloe..... | June 15-28..... | | | Present. |
| Surabaya..... | Apr. 10-May 6.... | 44 | 22 | |
| France: | | | | |
| Marseille..... | June 26-Aug. 31.... | 38 | 15 | Asylum to Aug. 23: Cases, 95; deaths, 35. |
| Greece: | | | | |
| 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. |
| India: | | | | |
| Bassein..... | May 7-July 8..... | 2 | 2 | |
| Bombay..... | June 25-July 1.... | 3 | 3 | |
| Calcutta..... | May 7-July 29.... | | 460 | |
| Madras..... | June 4-July 22.... | 7 | 4 | May 1-July 31. Cases, 17,559; deaths, 9,514. |
| Moulmine..... | May 7-June 17.... | 4 | 4 | |
| Negapatam..... | June 11-July 1.... | | 32 | |
| Rangoon..... | May 1-June 30.... | 31 | 26 | |
| Indo-China: | | | | |
| Saigon..... | May 15-Aug. 6.... | 59 | 41 | |
| Italy..... | | | | Total for Italy, June 8-Sept. 2; Cases, 10,397; deaths, 4,123. |
| Provinces— | | | | |
| Avellino..... | July 12-Aug. 5.... | 61 | 22 | |
| Benevento..... | July 22-31..... | 6 | 2 | |
| Caserta..... | June 18-Aug. 5.... | 511 | 238 | |
| Catania..... | July 22-31..... | 21 | 10 | |
| Caltanissetta..... | July 17-31..... | 30 | 11 | |
| Catanzaro..... | July 26-31..... | 2 | 2 | |
| Campobasso..... | July 17-31..... | 27 | 8 | |
| Genoa..... | July 21-Aug. 5.... | 51 | 23 | Aug. 13-26, 169 cases, 54 deaths. |
| Genoa, city..... | July 13-Aug. 5.... | 19 | 8 | Aug. 13-Sept. 2, 141 cases, 67 deaths. |
| Girgenti..... | July 22-31..... | 5 | 1 | |
| Leghorn..... | July 13-Aug. 5.... | 42 | 22 | |
| Messina..... | July 17-31..... | 9 | 2 | |
| Naples..... | | | | The Province outside of Naples, June 10-Sept. 2: 1,254 cases; 538 deaths. |
| Naples, city..... | June 11-Sept. 2.... | 893 | 262 | |

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

Reports Received from July 1 to Sept. 15, 1911.

CHOLERA—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|-----------------------------|---------------------|--------|---------|---|
| Italy—Continued. | | | | |
| Provinces—Continued. | | | | |
| Salerno..... | June 17-Aug. 5.... | 602 | 184 | |
| Palermo..... | June 18-Sept. 2.... | 376 | 172 | |
| Palermo, city..... | June 15-Sept. 2.... | 1,264 | 404 | |
| Potenza..... | July 31..... | 2 | 2 | |
| Rome..... | June 27-July 26.... | 6 | | Aug. 20-Sept. 2, 35 cases, 22 deaths. |
| Trapani..... | July 17-31..... | 24 | 11 | |
| Montenegro..... | Aug. 14-17..... | 4 | | Among troops. |
| Cettinje..... | July 29..... | 2 | | |
| Persia: | | | | |
| Mohammerah..... | July 28-Aug. 12.... | 9 | 8 | Case July 28, from the cruiser Persepolis. |
| Philippine Islands..... | | | | First quarter, 1911: Manila, no cases. Provinces, 199 cases and 160 deaths. |
| Russia..... | | | | New outbreak Apr. 21-Aug. 19: Cases, 871; deaths, 499, including 7 cases and 3 deaths, p. 1044, vol. 1. Sept. 5-11: Cases, 174; deaths, 80. |
| Governments— | | | | |
| Astrakhan..... | July 12-Aug. 12.... | 56 | 25 | |
| Baku— | | | | |
| Baku, city..... | July 8-15..... | 2 | | |
| Khasan— | | | | |
| Kosmodemiansk..... | July 2..... | 1 | | |
| Kherson..... | May 3-July 22.... | 2 | | |
| Kostroma..... | Aug. 12-19..... | 1 | 1 | |
| Nikolaiev..... | July 9-10..... | 3 | | Aug. 9, 8 cases from a German steamer via Constantinople. |
| Novorossisk..... | July 28-Aug. 3.... | 6 | | On British steamer Wakefield in Black Sea. |
| Odessa..... | Aug. 6-12..... | 2 | 1 | |
| Rostov on Don..... | Aug. 6-12..... | 1 | | From a Turkish ship from Trebizond. |
| Poltava..... | June 24..... | 1 | | |
| Samara..... | June 29-Aug. 12.... | 672 | 315 | Including Nikolayevsk. |
| Saratov..... | July 18-29..... | 2 | 1 | |
| Nikolayevsk..... | June 29-July 3.... | 15 | 1 | |
| Siberia— | | | | |
| Simbirsk..... | Aug. 6-19..... | 46 | 21 | |
| Omsk..... | June 20-26..... | 2 | | |
| Tambov..... | June 26-Aug. 19.... | 12 | 5 | |
| Stavropol..... | July 23-Aug. 19.... | 7 | 1 | |
| Vilna— | | | | |
| Disna..... | June 13..... | 1 | | On the Duna. |
| Vitebsk— | | | | |
| Lepel district..... | June 19..... | 1 | 1 | |
| Tver and Kursk..... | Aug. 6-12..... | 1 | | |
| Voronesh..... | Apr. 28..... | 2 | 1 | |
| Yekaterinislav..... | July 8..... | 1 | | |
| Zarizyn..... | July 12-15..... | 1 | 1 | |
| Servia: | | | | |
| Belgrade..... | Sept. 9..... | | | Present. |
| Siam: | | | | |
| Bangkok..... | Apr. 16-July 8.... | 892 | 892 | |
| Spain: | | | | |
| Tarragona..... | Aug. 30..... | | | In vicinity. |
| Straits Settlements: | | | | |
| Began Dotah..... | June 16-20..... | 11 | | |
| Jenderata..... | July 1-8..... | 20 | 13 | |
| Penang..... | May 7-July 15.... | 7 | 10 | |
| Perak..... | May 16-June 21.... | | | Present among Malays and Chinese. |
| Singapore..... | May 7-July 22.... | 66 | 69 | |
| Tunis: | | | | |
| Tunis..... | Aug. 1-7..... | | 6 | |
| Turkey: | | | | |
| Constantinople..... | May 21-Aug. 14.... | 624 | 332 | And vicinity. |
| Saloniki..... | Aug. 12..... | 2 | | Among troops. |
| Turkey in Asia: | | | | |
| Alatsham..... | June 19..... | 2 | | |
| Amara..... | June 21..... | | | Present. |
| Bagdad Vilayet..... | May 29-Aug. 11.... | 176 | 139 | New outbreak. |
| Basra..... | July 17-Aug. 9.... | 132 | 91 | Aug. 9, 1 case, s. s. Budrie. |
| Beirut..... | Aug. 21..... | | | Present among pilgrims. |

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

Reports Received from July 1 to Sept. 15, 1911.

CHOLERA—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|----------------------------------|----------------------|--------|---------|--|
| Turkey in Asia—Continued. | | | | |
| Ezra's Tomb..... | June 17..... | 6 | ..... | 70 miles from Basra. |
| Fogleri..... | July 26..... | 2 | 1 | In the Gulf of Smyrna. |
| Kamaran..... | May 28-July 11..... | 8 | 5 | Among troops. |
| Kavak..... | June 5-11..... | 1 | ..... | Aug. 8, present. |
| Samsun..... | May 29-July 30..... | 225 | 204 | And district. |
| Smyrna..... | Apr. 26-Aug. 20..... | 411 | 257 | Including 24 cases and 14 deaths, p. 1911, vol. 2. |
| Zongouldak..... | July 1-Aug. 13..... | 29 | 17 | And vicinity. |
| At sea..... | June 23..... | 1 | 1 | On s. s. Goeben, bound from Southampton for Suez. Case developed one day after leaving Naples. |
| Do..... | July 25..... | ..... | ..... | Two cases from s. s. Zar Nicolaus from Algiers. |

YELLOW FEVER.

| | | | | |
|----------------------------|----------------------|-------|-------|-------------------|
| Brazil: | | | | |
| Manaos..... | June 4-July 29..... | ..... | 8 | Aug. 31, 2 cases. |
| Para..... | June 21-July 15..... | 3 | ..... | Sept. 5, 1 case. |
| Pernambuco..... | June 15-July 15..... | ..... | 3 | Sept. 4, present. |
| Bissago Islands: | | | | |
| Bulama..... | May 27..... | ..... | ..... | Present. |
| British Gold Coast: | | | | |
| Accra..... | May 23-27..... | 3 | ..... | Among natives. |
| Ecuador: | | | | |
| Babahoyo..... | July 16-Aug. 15..... | 2 | 2 | |
| Calaroma..... | July 16-31..... | 1 | 1 | |
| Guayaquil..... | June 1-Aug. 15..... | 27 | 9 | |
| Milagro..... |do..... | 17 | 13 | |
| Naranjito..... | July 1-15..... | 2 | ..... |  |
| Yaguachi..... | June 16-July 15..... | 1 | 1 | |
| Gambia: | | | | |
| Bathurst..... | May 23-27..... | 5 | 2 | Among Europeans. |
| Mexico: | | | | |
| Merida..... | Aug. 8-31..... | 11 | 5 | |
| Venezuela: | | | | |
| Caracas..... | July 1-Aug. 5..... | 8 | 1 | |
| La Pastora..... | Aug. 5..... | ..... | ..... | Present. |
| Malquetia..... | July 22..... | 2 | ..... |  |
| San Juan..... | Aug. 5..... | 1 | ..... |  |

PLAGUE.

| | | | | |
|-----------------------------|----------------------|-------|-------|--|
| Arabia: | | | | |
| Maskat..... | May 21-June 15..... | 4 | 2 | |
| Brazil: | | | | |
| Para..... | July 2-29..... | 2 | 1 | Aug. 4, 1 fatal case. |
| Pernambuco..... | June 15-30..... | ..... | 1 | Sept. 4, present. |
| Rio de Janeiro..... | July 16-29..... | 2 | ..... | Aug. 28, 4 cases. |
| British East Africa: | | | | |
| Kismayu..... | Apr. 24-July 29..... | 52 | 40 | |
| Nairobi..... | May 27-July 29..... | 34 | 19 | |
| Port Florence..... | Apr. 26..... | 1 | 1 | |
| Chile: | | | | |
| Arica..... | June 12-July 28..... | 4 | 3 | |
| Iquique..... | May 14-July 29..... | 20 | 10 | |
| China: | | | | |
| Amoy..... | May 21-July 17..... | ..... | 20 | To May 28: Cases, 61; July 8, present in the district. |
| Kulangsu..... | June 17-July 22..... | ..... | 5 | Present May 31 and to July 15. |
| Canton..... | May 14-July 22..... | 194 | 145 | |
| Hongkong..... | Aug. 10-12..... | 5 | 1 | In vicinity. May 14-27, 3 cases, and Aug. 12, 3 cases. |
| Shanghai..... | ..... | ..... | ..... | Still present in the district. May 21-June 2, epidemic in Chao-chow-fu, Hwella, Kit-yang, and in Chao-Yang Jan. 1-June 30, 6,000 deaths. |
| Swatow..... | May 21-July 22..... | ..... | ..... |  |
| Ecuador: | | | | |
| Guayaquil..... | June 1-Aug. 15..... | 19 | 5 | |

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

Reports Received from July 1 to Sept. 15, 1911.

PLAGUE—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|-----------------------------------|---------------------|---------------|---------------|---|
| Egypt: | | | | |
| Alexandria..... | May 31-July 26.... | 38 | 18 | |
| Cairo..... | Feb. 12-May 31.... | 1 | 1 | |
| Port Said..... | May 27-Aug. 1.... | 23 | 9 | On s. s. Yeddo, bound for Calcutta from New York, via Naples and Torre Vieja, Spain. |
| Provinces— | | | | |
| Assiout..... | May 31-July 9.... | 7 | 5 | |
| Beni Souef..... | May 23-July 20.... | 3 | 1 | |
| Dakahlieh..... | May 29-June 11.... | 2 | 1 | |
| Fayoum..... | May 28-June 17.... | 8 | 5 | |
| Galloubeh..... | June 1-28..... | 1 | — | |
| Girgeh..... | Apr. 19-July 7.... | 5 | 4 | |
| Kena..... | May 30-June 12.... | 5 | 5 | |
| Minieh..... | June 1-July 27.... | 29 | 11 | |
| India: | | | | |
| Bahrein Island..... | May 15-July 16.... | — | 1,720 | In Persian Gulf. |
| Bombay..... | May 21-Aug. 12.... | 535 | 469 | |
| Calcutta..... | May 7-July 15.... | — | 524 | |
| Kurrachee..... | May 28-Aug. 12.... | 197 | 196 | |
| Rangoon..... | May 1-June 30.... | 587 | 558 | |
| Bombay Presidency and Sind..... | May 7-July 29.... | 9,494 | 6,777 | |
| Madras Presidency..... | do..... | 1,262 | 845 | |
| Bengal..... | do..... | 2,470 | 2,233 | |
| United Provinces..... | do..... | 18,025 | 17,470 | |
| Punjab..... | do..... | 60,819 | 53,307 | |
| Burma..... | do..... | 1,481 | 1,384 | |
| Central Provinces..... | do..... | 127 | 97 | |
| Mysore State..... | do..... | 2,580 | 1,782 | |
| Hyderabad State..... | do..... | 105 | 87 | |
| Central India..... | do..... | 84 | 66 | |
| Rajputana and Ajmere..... | do..... | 1,614 | 1,414 | |
| Merwara..... | do..... | — | — | |
| Kashmir..... | do..... | 624 | 425 | |
| North West Province..... | do..... | 130 | 79 | |
| Grand total..... | | 98,795 | 85,906 | |
| Indo-China: | | | | |
| Saloon..... | May 15-July 30.... | 294 | 89 | |
| Japan: | | | | |
| Formosa..... | May 21-July 1.... | 115 | 106 | In Kagi Province from Jan. 1-June 15: Cases 856, including report, p. 1047, vol. 1. |
| Java: | | | | |
| Kediri..... | Mar. 31-May 10.... | 42 | 3 | |
| Madison..... | June 1..... | 1 | — | |
| Paseroean Residency..... | May 14-July 29.... | 449 | 188 | |
| Surabaya..... | Apr. 30-May 18.... | 21 | 4 | |
| Mauritius..... | Mar. 1-July 10.... | 10 | 6 | |
| Morocco: | | | | |
| Mazagan..... | July 13..... | — | — | Present among the Doukala, 5 hours distant. |
| New Zealand: | | | | |
| Auckland..... | May 1-8..... | 5 | — | Total since Mar. 21: Cases 8, deaths 1. |
| Paraguay: | | | | |
| Asuncion..... | Aug. 1-9..... | — | 8 | Present. |
| Persia: | | | | |
| Buchir..... | May 14-June 25.... | 94 | 80 | |
| Lingah..... | May 18-28..... | 7 | — | From Debal, on opposite Arabian coast. |
| Peru: | | | | |
| Departments— | | | | |
| Ancachs..... | Apr. 30-June 17.... | 9 | 2 | |
| Arequipa..... | Apr. 23-June 17.... | 20 | 4 | |
| Cajamarca..... | do..... | — | — | Aug. 10, present. |
| Callao..... | do..... | 5 | 2 | |
| Chiclayo..... | Apr. 30-July 22.... | 14 | 5 | |
| Lambayeque..... | Apr. 23-June 3.... | 24 | 12 | |
| Libertad..... | Apr. 23-July 22.... | 17 | 7 | Aug. 21, present in Moche. |
| Lima..... | do..... | 47 | 17 | |
| Pacasmayo..... | Apr. 30-June 3.... | 3 | 2 | |
| Philippine Islands..... | | | | |
| Mariveles quarantine station..... | May 25-26..... | 1 | 1 | First quarter, 1911: Manila, no cases; Provinces, no cases. From s. s. Talsang from Amoy. |

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

Reports Received from July 1 to Sept. 15, 1911.

PLAGUE—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|-----------------------------|--------------------|--------|---------|-------------------------|
| Russia: | | | | |
| Odessa..... | June 18-Aug. 8.... | 8 | 2 | |
| Astrakhan Government— | | | | |
| Ujaly..... | July 3..... | | | Present. |
| Saraltschin..... | June 18-24..... | 3 | 3 | |
| Kirghis Steppe— | | | | |
| Akbulak..... | July 13-Aug. 2.... | 5 | 2 | Pneumonic. |
| Kjube kudik..... | July 15..... | 5 | 4 | Do. |
| Naryma..... | June 24..... | 4 | 4 | |
| Siam: | | | | |
| Bangkok..... | Apr. 16-July 8.... | 51 | 51 | |
| Straits Settlements: | | | | |
| Singapore..... | May 21-June 17.... | 2 | 2 | |
| Turkey in Asia: | | | | |
| Adalia..... | July 7-30..... | 3 | | |
| Basra..... | May 21-31..... | 4 | 2 | |
| Beirut..... | Aug. 21..... | | | Present among pilgrims. |
| Brusa..... | Aug. 2-15..... | 2 | | |
| Venezuela: | | | | |
| Caracas..... | May 29-Aug. 5.... | 4 | | |
| Santa Rosalia..... | Aug. 5..... | 1 | | |

SMALLPOX.

| | | | | |
|------------------------------|---------------------|-----|-----|----------------------|
| Algeria: | | | | |
| Departments— | | | | |
| Algiers..... | Mar. 1-May 31.... | 5 | | July 1-31, 5 deaths. |
| Constantine..... | Mar. 1-May 31.... | 74 | | |
| Arabia: | | | | |
| Aden..... | Apr. 11-July 18.... | 205 | 7 | And vicinity. |
| Argentina: | | | | |
| Buenos Aires..... | Apr. 1-June 30.... | | 89 | |
| Rosario..... | do..... | | 125 | |
| 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-Aug. 5.... | 7 | 2 | |
| Pernambuco..... | June 1-July 15.... | | 331 | |
| Rio de Janeiro..... | May 28-Aug. 5.... | 12 | 1 | |
| São Paulo..... | May 15-21..... | | 1 | |
| Canada: | | | | |
| British Columbia— | | | | |
| Vancouver..... | July 9-Aug. 19.... | 4 | | |
| Victoria..... | May 1-31..... | 10 | | |
| Manitoba— | | | | |
| Fort Alexander..... | July 8..... | 19 | | Among Indians. |
| Lac du Bonnet..... | do..... | 1 | | |
| Point du Bois..... | do..... | | | Epidemic. |
| Selkirk..... | do..... | 1 | | From Mapleton. |
| Winnipeg..... | July 23-29..... | 1 | | |
| New Brunswick— | | | | |
| Newcastle..... | July 15-Aug. 5.... | | | Present in vicinity. |
| Ontario— | | | | |
| Ottawa..... | June 11-Aug. 12.... | 23 | | |
| Nova Scotia— | | | | |
| Halifax..... | May 23-Sept. 9.... | 3 | | |
| Prince Edward Island— | | | | |
| Charlottetown..... | June 14-20..... | 1 | | |
| Quebec— | | | | |
| Montreal..... | July 9-29..... | 2 | | |
| Quebec..... | June 18-Aug. 12.... | 8 | | |
| Yukon— | | | | |
| Dawson..... | June 4-July 1..... | 15 | | |
| Ceylon: | | | | |
| Colombo..... | May 21-Aug. 5.... | 28 | 2 | |
| Chile: | | | | |
| Caldera..... | June 24..... | 2 | 1 | |
| Punta Arenas..... | June 1-30..... | 2 | 1 | |
| Talcahuano..... | June 27-Aug. 11.... | 51 | 13 | |
| Valparaiso..... | June 24-July 8.... | 118 | | |

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

Reports Received from July 1 to Sept. 15, 1911.

SMALLPOX—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|--------------------------------|----------------------|--------|---------|--|
| China: | | | | |
| Chungking..... | May 28-July 8..... | ..... | ..... | Present. |
| Hongkong..... | May 21-July 22..... | 20 | 14 | |
| Nanking..... | May 28-Aug. 19..... | ..... | ..... | 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-Aug. 12..... | 11 | 3 | |
| Port Said..... | May 29-July 15..... | 14 | 12 | |
| France: | | | | |
| Havre..... | July 16-22..... | 1 | 1 | |
| Paris..... | June 18-Aug. 12..... | 8 | ..... |  |
| Germany: | | | | |
| Bremen..... | July 9-15..... | 1 | ..... | Total for Germany, June 4-Aug. 19: Cases, 22. |
| Hamburg..... | Aug. 6-19..... | ..... | ..... | 3 cases on s. s. Prinz Regent. |
| Gibraltar..... | June 4-11..... | 1 | ..... |  |
| Great Britain: | | | | |
| Birmingham..... | July 2-15..... | 1 | 1 | |
| Dundee..... | June 11-Aug. 12..... | 10 | 3 | |
| Liverpool..... | June 18-July 8..... | 2 | ..... |  |
| London..... | June 4-24..... | 13 | ..... |  |
| Plymouth..... | July 2-8..... | ..... | 1 | |
| Sheffield..... | June 18-24..... | ..... | 1 | |
| India: | | | | |
| Bombay..... | May 21-Aug. 12..... | 106 | 80 | |
| Calcutta..... | May 7-June 24..... | ..... | 6 | |
| Madras..... | May 21-Aug. 5..... | 89 | 35 | |
| Rangoon..... | May 1-June 30..... | 301 | 152 | |
| Indo-China: | | | | |
| Haiphong..... | May 15-July 30..... | 102 | 39 | |
| Italy: | | | | |
| Catania..... | July 19-Aug. 12..... | ..... | 4 | |
| Genoa..... | Aug. 1-15..... | 2 | ..... |  |
| Naples..... | June 11-Aug. 12..... | 47 | 8 | |
| Palermo..... | June 4-Aug. 5..... | 201 | 111 | |
| Rome..... | Mar. 1-31..... | 1 | 1 | |
| Japan: | | | | |
| Yokohama..... | June 13-19..... | 1 | ..... |  |
| Java: | | | | |
| Batavia..... | July 2-22..... | 12 | 4 | |
| Malta: | | | | |
| Valetta..... | June 6-12..... | 1 | ..... |  |
| Mexico: | | | | |
| Cananea, mines..... | Sept. 12..... | 20 | ..... |  |
| Chihuahua..... | June 28-Aug. 13..... | 15 | 6 | |
| Frontera..... | June 19-24..... | 1 | ..... |  |
| Guadalajara..... | June 18-Aug. 19..... | ..... | 3 | |
| Juarez..... | July 9-Sept. 9..... | 9 | 3 | |
| Mazatlan..... | Aug. 6-19..... | 12 | 3 | |
| Mexico..... | May 21-Aug. 5..... | ..... | 132 | July 23-Aug. 5, 22 cases. |
| Porfirio Diaz..... | July 23-Sept. 9..... | 7 | 7 | |
| San Juan Bautista..... | June 17-July 15..... | ..... | ..... | Present and in vicinity. Aug. 26 increasing. |
| San Luis Potosi..... | June 4-Aug. 19..... | 14 | 15 | |
| Tampico..... | June 11-Aug. 20..... | ..... | 5 | |
| Peru: | | | | |
| Salaverry..... | Aug. 1-7..... | ..... | ..... | Present. |
| Philippine Islands | | | | First quarter, 1911, Manila: Cases 93, deaths 0. |
| Portugal: | | | | |
| Lisbon..... | June 4-Aug. 18..... | 79 | ..... | May 7-20, deaths 3. |
| Porto Rico: | | | | |
| Ponce..... | Apr. 1-30..... | ..... | 1 | |
| Portuguese East Africa: | | | | |
| Lourenço Marquez..... |do..... | ..... | 1 | |
| Russia: | | | | |
| Batoum..... | May 1-June 30..... | 3 | ..... |  |
| Lihau..... | June 5-July 2..... | 11 | 1 | July 16, 1 death. |
| Moscow..... | May 28-July 30..... | 133 | 62 | |
| Odessa..... | May 27-Aug. 19..... | 6 | ..... |  |
| Reval..... | May 1-31..... | 5 | ..... |  |
| Riga..... | May 27-July 8..... | 14 | ..... | Apr. 1-May 31, deaths 14. |
| St. Petersburg..... | May 21-Aug. 5..... | 139 | 26 | |
| Warsaw..... | Apr. 2-July 15..... | 64 | 35 | |
| Windau..... | June 25-July 1..... | ..... | ..... | Present. |

Reports Received from July 1 to Sept. 15, 1911.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|-----------------------------|---------------------|--------|---------|--|
| Siam: | | | | |
| Bangkok..... | Apr. 16-July 8.... | 82 | 76 | |
| Siberia: | | | | |
| Omsk..... | May 29-July 14.... | 3 | | |
| Vladivostok..... | May 14-June 30.... | 12 | 5 | |
| South Africa: | | | | |
| Port Elizabeth..... | May 21-27..... | 1 | | |
| South Australia: | | | | |
| Adelaide..... | Apr. 15..... | | | 1 case from Colombo on s. s. Mooltan. |
| Spain: | | | | |
| Barcelona..... | May 6-17..... | | 4 | |
| Madrid..... | June 1-July 31..... | | 2 | |
| Malaga..... | June 1-30..... | | 18 | |
| Seville..... | June 1-July 31..... | | 3 | |
| Valencia..... | June 4-Aug. 19..... | 41 | 9 | |
| Straits Settlements: | | | | |
| Penang..... | Apr. 30-May 27..... | 2 | | |
| Singapore..... | May 7-July 22..... | 118 | 35 | |
| Switzerland: | | | | |
| Ticino, canton..... | May 28-June 3..... | 1 | | |
| Turkey: | | | | |
| Constantinople..... | June 4-Aug. 6..... | | 6 | |
| Turkey in Asia: | | | | |
| Beirut..... | May 27-Aug. 19..... | 49 | 2 | |
| Kharput..... | May 21-June 10..... | 34 | 3 | |
| Uruguay: | | | | |
| Montevideo..... | Apr. 1-June 30..... | 38 | 10 | |
| Zanzibar: | | | | |
| Zanzibar..... | May 15-Aug. 6..... | 22 | 13 | |
| At sea..... | May 15..... | 1 | | On s. s. Narrung; vessel quarantined at Adelaide, Melbourne, and Sydney. |

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. | Whooping cough. |
| Aberdeen..... | Aug. 19 | 136,084 | 31 | — | — | — | — | — | — | — | — | 1 | 1 | — |
| Do..... | Aug. 26 | — | 46 | — | — | — | — | — | — | — | — | 1 | 1 | 1 |
| Aguascalientes..... | Aug. 20 | 40,000 | 41 | 2 | — | — | — | — | 2 | — | — | 1 | — | — |
| Do..... | Sept. 3 | — | 52 | — | — | — | — | 1 | — | — | — | — | — | — |
| Aix-la-Chapelle..... | Aug. 12 | 156,405 | 107 | 8 | — | — | — | — | — | 1 | — | — | — | — |
| Do..... | Aug. 19 | — | 103 | 1 | — | — | — | — | 1 | — | — | — | — | — |
| Amsterdam..... | Aug. 26 | 577,346 | 161 | 26 | — | — | — | — | — | 1 | — | — | 2 | 1 |
| Do..... | Sept. 2 | — | 112 | 5 | — | — | — | — | — | — | — | 1 | — | 1 |
| Antwerp..... | Aug. 12 | 327,668 | 116 | 5 | — | — | — | — | — | — | — | 1 | — | 3 |
| Do..... | Aug. 19 | — | 127 | 4 | — | — | — | — | — | — | — | 1 | — | 2 |
| Do..... | Aug. 26 | — | 104 | 1 | — | — | — | — | — | 2 | 2 | — | — | 2 |
| Athens..... | Aug. 5 | 250,010 | 95 | 18 | — | — | — | — | — | 2 | — | — | — | — |
| Barcelona..... | Sept. 1 | 591,272 | 290 | 43 | — | — | — | — | — | 5 | — | 1 | — | 2 |
| Barranquilla..... | Aug. 26 | 40,000 | 22 | — | — | — | — | — | — | 1 | — | — | — | — |
| Batavia..... | Aug. 5 | 217,630 | 22 | — | — | 4 | — | 2 | — | — | — | — | — | — |
| Belfast..... | Aug. 19 | 386,449 | 139 | 13 | — | — | — | — | — | — | 1 | — | — | — |
| Do..... | Aug. 26 | — | 132 | 24 | — | — | — | — | — | 2 | — | — | — | 1 |
| Bergen..... | do..... | 87,749 | 16 | 1 | — | — | — | — | — | — | — | — | — | — |
| Berlin..... | Aug. 5 | 2,065,418 | 702 | 63 | — | — | — | — | — | 2 | 3 | 14 | 8 | 12 |
| Do..... | Aug. 12 | 2,066,418 | 722 | 59 | — | — | — | — | — | 1 | 5 | 11 | 1 | 14 |
| Do..... | Aug. 19 | 2,067,118 | 741 | 69 | — | — | — | — | — | 2 | 5 | 11 | 2 | 16 |
| Birmingham..... | Aug. 26 | 526,030 | 238 | — | — | — | — | — | — | — | 2 | — | — | — |
| Do..... | Sept. 2 | — | 189 | — | — | — | — | — | — | — | — | 1 | — | 2 |

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. | Typhoid fever. | Typhus fever. | Scarlet fever. | Diphtheria. | Measles. |
| Bradford..... | Aug. 19 | 288,723 | 96 | 5 | | | | | | | | | |
| Do..... | Aug. 26 | | 122 | 3 | | | | | | | 1 | | 1 |
| Do..... | Sept. 2 | | 94 | 3 | | | | | | 1 | | | 1 |
| Bremen..... | Aug. 19 | 246,850 | 65 | 7 | | | | | | | | | 1 |
| Do..... | Aug. 26 | | 82 | 11 | | | | | | | | | 1 |
| Bristol..... | do | 357,509 | 146 | 11 | | | | | | 1 | 1 | | |
| Do..... | Sept. 2 | | 138 | 4 | | | | | | | | 4 | 1 |
| Brunswick..... | Aug. 19 | 443,534 | | 6 | | | | | | 2 | 1 | 15 | |
| Brussels..... | Aug. 26 | | | | | | | | | 2 | | | |
| Budapest..... | Aug. 26 | 739,684 | 208 | 22 | | | | | | 1 | | | 1 |
| Do..... | Aug. 12 | 950,610 | | | | | | | | 1 | 9 | | 9 |
| Do..... | Aug. 26 | | | | | | | | | 2 | 6 | | 6 |
| Catania..... | do | 220,000 | 113 | 11 | | 32 | | | 2 | | | | |
| Cardiff..... | July 29 | 182,729 | 43 | 3 | | | | | | | 1 | | |
| Do..... | Aug. 5 | | 60 | 3 | | | | | | | | | |
| Do..... | Aug. 12 | | 67 | 4 | | | | | | | | | |
| Do..... | Aug. 19 | | 98 | 6 | | | | | | | | | 1 |
| Chemnitz..... | do | 287,340 | 235 | 1 | | | | | | | | 1 | 7 |
| Chihuahua..... | Aug. 20 | 39,000 | 35 | 1 | | | | | | | | | |
| Do..... | Aug. 27 | | 30 | 2 | | | | | | 2 | | | |
| Coburg..... | Aug. 26 | 23,889 | 4 | | | | | 1 | | 1 | | | |
| Cologne..... | Aug. 19 | 520,428 | 325 | 22 | | | | | | | 2 | 2 | 3 |
| Do..... | Aug. 26 | 520,529 | 271 | 16 | | | | | | | 1 | 4 | 6 |
| Constantinople..... | Aug. 27 | 1,000,000 | 450 | 42 | | 160 | | 3 | | 15 | 4 | | 3 |
| Copenhagen..... | Aug. 12 | 462,000 | 105 | 8 | | | | | | 2 | | | |
| Do..... | Aug. 19 | | 159 | 21 | | | | | | | | 1 | 1 |
| Dresden..... | Aug. 12 | 549,700 | 231 | 24 | | | | | | 2 | | 1 | |
| Do..... | Aug. 19 | | 201 | 23 | | | | | | 1 | | | |
| Do..... | Aug. 26 | | 198 | 19 | | | | | | 2 | 1 | 3 | |
| Dublin..... | Aug. 19 | 403,732 | 199 | 28 | | | | | | 2 | | | |
| Do..... | Aug. 26 | | 162 | 19 | | | | | | 1 | 1 | 5 | 1 |
| Dundee..... | Aug. 26 | 171,006 | 53 | 5 | | | | | | | | | 1 |
| Do..... | Sept. 2 | | 62 | 3 | | | | | | | | | |
| Edinburgh..... | Aug. 19 | 320,829 | 67 | 7 | | | | | | | | 1 | |
| Do..... | Aug. 26 | | 76 | 4 | | | | | | | | | 2 |
| Erfurt..... | Aug. 19 | 124,084 | 60 | 4 | | | | | | | | | |
| Do..... | Aug. 26 | | 49 | 5 | | | | | | | | | |
| Fort William..... | Sept. 4 | 22,000 | 4 | | | | | | | 1 | | | |
| Frankfort-on-Main..... | Aug. 12 | 414,800 | 136 | | | | | | | | | 1 | |
| Georgetown..... | Aug. 19 | 56,000 | 60 | 4 | | | | | | 4 | | | |
| Ghent..... | do | 165,965 | 95 | 5 | | | | | | | | | 1 |
| Do..... | Aug. 26 | | 106 | 5 | | | | | | 1 | 1 | | |
| Gibraltar..... | Aug. 27 | 35,367 | 9 | | | | | | | | | | |
| Glasgow..... | Sept. 1 | 784,655 | 251 | | | | | | | 2 | | 5 | 3 |
| Halifax..... | Sept. 9 | 50,000 | | | | | | | | | | | 6 |
| Hamburg..... | Aug. 26 | 932,166 | 303 | 20 | | | | | | 2 | 3 | 9 | 1 |
| Havre..... | do | 136,159 | 90 | 9 | | | | | | 2 | | | |
| Hongkong..... | July 29 | 336,488 | | 9 | | | | | | | | | |
| Do..... | Aug. 5 | | | 10 | | | | 1 | | 1 | | | |
| Hull..... | Aug. 26 | 278,968 | 157 | | | | | | | 1 | | 1 | |
| Juarez..... | Sept. 9 | 6,500 | 9 | 1 | | | | 1 | | | | | 3 |
| Kingston..... | Sept. 2 | 20,000 | 10 | | | | | | | 1 | | | |
| Do..... | Sept. 9 | | 10 | | | | | | | 2 | | | |
| Kobe..... | Aug. 20 | 464,851 | 193 | | | | | | | 1 | | 1 | |
| Konigsberg..... | Aug. 19 | 246,500 | 74 | 7 | | | | | | | | | 2 |
| Do..... | Aug. 26 | | 95 | 8 | | | | | | 1 | 1 | | 1 |
| Leeds..... | Aug. 26 | 445,568 | 193 | 8 | | | | | | 1 | 1 | 1 | 2 |
| Do..... | Sept. 2 | | 184 | 7 | | | | | | 1 | | 2 | 1 |
| Leipzig..... | Aug. 19 | 589,844 | 414 | 22 | | | | | | | 1 | | 6 |
| Do..... | Aug. 26 | 595,703 | 388 | 17 | | | | 1 | | | | 5 | 11 |
| Leith..... | Aug. 19 | 80,674 | 25 | | | | | | | | | 1 | 2 |
| Libau..... | Aug. 27 | 90,000 | | | | | | | | 1 | | | |
| Liege..... | Aug. 26 | 174,768 | 50 | 3 | | | | | | 2 | | | |
| Do..... | do | 80,674 | 20 | 2 | | | | | | 1 | | 1 | |
| Liverpool..... | do | 747,627 | 344 | 20 | | | | | | 1 | 1 | 3 | 9 |
| Do..... | Sept. 2 | | 383 | | | | | | | 1 | 1 | 4 | 2 |
| London..... | Aug. 9 | 7,269,752 | 2,581 | | | | | | | 2 | 3 | 20 | 24 |
| Do..... | Aug. 26 | | 2,606 | | | | | | | 5 | 3 | 18 | 20 |

Imported on a ship from Alexandria.

* Imported.

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. | Measles. | Whooping cough. |
| Lyon..... | Aug. 5 | 523,796 | 242 | 28 | — | — | — | — | — | 1 | 1 | — | — | — |
| Do..... | Aug. 12 | — | 226 | 31 | — | — | — | — | — | 2 | — | 2 | — | — |
| Do..... | Aug. 19 | — | 199 | 23 | — | — | — | — | — | 3 | — | 3 | — | — |
| Do..... | Aug. 26 | — | 180 | 28 | — | — | — | — | — | 1 | — | — | — | 1 |
| Madras..... | Aug. 12 | 550,000 | 361 | — | — | 2 | — | 5 | — | 2 | — | — | 2 | — |
| Manchester..... | Aug. 19 | 331,533 | 322 | 36 | — | — | — | — | — | — | 1 | 1 | 5 | 1 |
| Mexico..... | Aug. 6 | 719,062 | 240 | 15 | — | — | — | 7 | 10 | — | — | 3 | — | — |
| Montreal..... | Sept. 2 | 450,000 | 179 | 16 | — | — | — | — | — | 1 | — | 2 | — | 4 |
| Do..... | Sept. 9 | — | 170 | 20 | — | — | — | — | — | 1 | — | 2 | — | 1 |
| Moscow..... | Aug. 12 | 1,500,000 | 813 | 59 | — | — | — | 2 | 3 | 9 | 4 | 11 | 9 | 4 |
| Munich..... | Aug. 19 | 597,000 | 173 | 30 | — | — | — | — | — | — | — | 1 | — | 2 |
| Newcastle-on-the-Tyne..... | do. | 267,261 | 88 | 4 | — | — | — | — | — | 1 | — | 1 | — | 1 |
| Do..... | Aug. 26 | — | 84 | 9 | — | — | — | — | — | — | — | 2 | — | 2 |
| Niagara Falls..... | Aug. 21 | 11,000 | 3 | — | — | — | — | — | — | 1 | — | — | — | — |
| Do..... | Aug. 31 | — | 6 | 1 | — | — | — | — | — | 1 | — | — | — | — |
| Nottingham..... | Aug. 19 | 259,942 | 107 | — | — | — | — | — | — | — | — | 1 | 5 | — |
| Do..... | Aug. 26 | — | 122 | — | — | — | — | — | — | — | — | 1 | — | 1 |
| Odessa..... | Aug. 19 | 546,000 | 186 | 18 | — | — | — | — | — | 2 | 2 | 1 | 1 | 4 |
| Do..... | Aug. 26 | — | 205 | 16 | — | — | — | — | — | 11 | 4 | 4 | 5 | 1 |
| Palermo..... | Aug. 19 | 340,000 | 222 | 13 | — | 45 | — | 31 | — | 4 | 4 | — | — | — |
| Do..... | Aug. 26 | — | 235 | 8 | — | 39 | — | 28 | — | 3 | 2 | — | — | — |
| Paris..... | do. | 2,846,986 | 825 | 146 | — | — | — | — | — | 10 | 3 | 6 | 10 | 6 |
| Porfirio Diaz..... | Sept. 2 | 16,000 | 5 | — | — | — | — | 3 | — | — | — | — | — | — |
| Do..... | Sept. 9 | — | 9 | — | — | — | — | 3 | — | — | — | — | — | — |
| Prague..... | Aug. 26 | 223,747 | 78 | 19 | — | — | — | — | — | — | 1 | — | — | — |
| Port Elizabeth..... | Aug. 5 | 30,692 | 9 | 1 | — | — | — | — | — | — | — | 1 | — | — |
| Rotterdam..... | Aug. 26 | 432,003 | 114 | — | — | — | — | — | — | 1 | — | 1 | — | — |
| Saigon..... | Aug. 6 | 206,000 | 11 | — | 3 | 6 | — | 2 | — | — | — | — | — | — |
| Santa Cruz de Teneriffe..... | Aug. 26 | 46,000 | 15 | 1 | — | — | — | — | — | 1 | — | — | — | — |
| Santiago de Cuba..... | Sept. 25 | 53,614 | 25 | 2 | — | — | — | — | — | — | — | 1 | — | — |
| Sarnia..... | Sept. 2 | 9,810 | 3 | — | — | — | — | — | — | 1 | — | — | — | — |
| Do..... | Sept. 9 | — | — | — | — | — | — | — | — | 1 | — | — | — | — |
| Shanghai..... | July 13 | 492,000 | 121 | 17 | — | — | — | — | — | — | 1 | — | — | — |
| Sheffield..... | Aug. 19 | 454,653 | 183 | 14 | — | — | — | — | — | — | — | — | 1 | 2 |
| Do..... | Aug. 26 | — | 171 | 13 | — | — | — | — | — | — | — | — | — | 1 |
| Southampton..... | Sept. 2 | 119,394 | 57 | 3 | — | — | — | — | — | — | — | 1 | — | — |
| Stettin..... | Aug. 19 | 234,033 | 175 | 7 | — | — | — | — | — | — | — | 2 | 1 | — |
| Stockholm..... | (Aug. 19) | 343,832 | 156 | 13 | — | — | — | — | — | — | — | 2 | — | — |
| Do..... | (Aug. 26) | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Tampico..... | Aug. 30 | 24,532 | 48 | — | — | — | — | — | — | — | — | — | — | — |
| Do..... | Sept. 10 | — | 37 | — | — | — | — | — | — | — | — | — | — | — |
| Tarragona..... | Aug. 26 | 23,150 | 8 | — | — | — | — | — | — | 2 | — | — | — | — |
| Toronto..... | Aug. 19 | 392,000 | 95 | 5 | — | — | — | — | — | — | 1 | 2 | — | 1 |
| Do..... | Sept. 9 | — | 127 | 1 | — | — | — | — | — | 4 | — | 3 | — | — |
| Do..... | Aug. 26 | — | 107 | 5 | — | — | — | — | — | 5 | — | 1 | — | — |
| Do..... | Sept. 2 | — | 80 | 2 | — | — | — | — | — | 1 | — | 3 | 1 | 2 |
| Trieste..... | Aug. 19 | 230,820 | 102 | — | — | 2 | — | — | — | 2 | — | — | — | 1 |
| Do..... | Aug. 26 | — | 95 | — | — | — | — | — | — | 1 | — | — | 1 | — |
| Turin..... | Aug. 27 | 401,555 | 114 | 17 | — | — | — | — | — | 3 | — | — | — | — |
| Vancouver..... | Aug. 26 | 100,000 | 19 | — | — | — | — | — | — | 1 | — | — | — | — |
| Vienna..... | Aug. 12 | 2,047,968 | 628 | 92 | — | — | — | — | — | 1 | 1 | 3 | 1 | 1 |
| Do..... | Aug. 19 | — | 564 | 93 | — | — | — | — | — | 1 | 2 | 5 | 3 | 4 |
| West Hartlepool..... | Aug. 26 | 639,321 | 29 | — | — | — | — | — | — | — | — | — | — | — |
| Windsor..... | Sept. 9 | 17,875 | 9 | — | — | — | — | — | — | 1 | — | — | — | — |
| Valencia..... | Aug. 26 | 240,000 | 96 | 6 | — | — | — | — | — | — | 1 | 1 | — | — |
| Winnipeg..... | Sept. 2 | 151,958 | 34 | — | — | — | — | — | — | — | — | 3 | — | — |
| Do..... | Sept. 9 | — | 46 | — | — | — | — | — | — | 1 | 1 | — | — | — |
| Yokahama..... | Aug. 21 | 419,630 | — | — | — | — | — | — | — | — | 2 | — | — | — |
| Zanzibar..... | Aug. 7 | 75,000 | 24 | 1 | — | — | — | 1 | — | — | — | — | — | — |

MORTALITY—FOREIGN AND INSULAR—COUNTRIES AND CITIES
(Un tabulated).

CHILE—*Punta Arenas*.—Month of July, 1911. Population, 12,000. Total number of deaths from all causes 28, including tuberculosis 1.

FRANCE—*Calais*.—Month of August, 1911. Population, 75,000. Total number of deaths from all causes 202, including diphtheria 1, measles 2, scarlet fever 1, tuberculosis 28.

JAPAN—*Formosa*.—Two weeks ended July 29, 1911. Population, 3,290,186. Total number of deaths from all causes not reported. The deaths include diphtheria 1, typhoid fever 10.

By authority of the Secretary of the Treasury:

WALTER WYMAN,

Surgeon General,

United States Public Health and Marine-Hospital Service.