

# PUBLIC HEALTH REPORTS.

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No. 47

## THE CHOLERA SITUATION.

The number of cases of cholera being reported in Italy and Russia has markedly decreased, as has also the number of localities from which the cases are reported.

Because of the improvement in the cholera situation abroad the following department circular has been issued making the examination of immigrants to determine the presence of cholera bacillus carriers apply only to immigrants arriving on cholera-infected vessels:

### MODIFICATION OF DEPARTMENT CIRCULAR NO. 47.

TREASURY DEPARTMENT,  
OFFICE OF THE SECRETARY,  
Washington, November 16, 1911.

*To National, State, and local quarantine officers, collectors of customs, shipowners and agents, and others concerned:*

Until further notice, Department Circular No. 47 of July 19, 1911, "Addition to Quarantine Regulations—Cholera Bacillus Carriers," is to apply only to infected vessels.

FRANKLIN MACVEAGH,  
*Secretary.*

## PELLAGRA.

A pellagra clinic was held November 2, at Columbia, S. C., under the auspices of the South Carolina State Board of Health. This makes the fourth annual clinic of this kind held at Columbia.

The following extracts are from a report on the clinic made by Passed Asst. Surg. C. H. Lavinder:

Among the papers presented, Dr. J. W. Babcock in discussing the history of pellagra in South Carolina read an abstract of a clinical report, case-history, taken from the records of the asylum for the year 1834. This case-record was in the handwriting of the superintendent of the asylum, Dr. Davis, and gave copious daily notes. After reading this case-history one could scarcely doubt that the physician was dealing with a case of pellagra. He himself spoke of the case as of scorbutic habit. Dr. Babcock was satisfied that the case could hardly have been anything else but pellagra, and expressed the opinion that a further search would undoubtedly show that pellagra had existed in the South Carolina State asylum since it was first opened in 1828.

Mr. E. J. Watson, the South Carolina commissioner of agriculture, made a most interesting address on the spoiled corn problem in the South, and especially in South Carolina. He has made an extensive study of the situation and he showed how very prevalent spoiled corn is in the markets of the South. He also expressed the opinion that spoiled corn is poisonous, and is unfit for consumption by either human beings or animals. This opinion was based upon careful laboratory work. He took the broad position that whatever be the cause of pellagra it was the duty of the State to protect its people against the sale of spoiled corn within its borders, since the use of such corn was a menace to public health. Under his energetic administration the State of South Carolina now has control of the sale of this product, and is vigorously enforcing the law against spoiled corn. South Carolina, he stated, is the only State in the Union which has such a control of the corn market.

## SECOND ANNUAL CONFERENCE OF CALIFORNIA STATE, COUNTY, AND CITY HEALTH OFFICIALS.

The second annual conference of California State, county, and city health officials was held at Santa Barbara October 23 to 28, 1911.

The following extracts are from a report on the conference made by Passed Asst. Surg. George W. McCoy.

Some of the many subjects of interest discussed were:

*Rabies.*—The prevalence of the disease in the southern part of the State and its occasional appearance further north were discussed. One case has occurred in San Francisco during the past 10 days. In Los Angeles there was difficulty in enforcing a muzzling ordinance, which was later repealed. Interesting facts pointing to the infection of coyotes were mentioned by Dr. George Tucker, health officer of Riverside County.

*Smallpox.*—The discussion centered about the recent changes in the State laws. The old law made vaccination compulsory in the public schools. The last legislature modified the law so as to permit parents or guardians to sign a "conscientious objection" certificate, and thus avoid the necessity of having their children vaccinated. In the event of smallpox appearing in a school all unvaccinated children may be excluded. The general opinion was that the new law is a decidedly backward step.

*Diphtheria.*—The discussion of this disease centered chiefly about the relation of positive cultures to the clinical features, and the difficulty of enforcing control of "carriers" and convalescents until two successive negative cultures are secured. No definite conclusion was reached, but the consensus of opinion was that we should stand by the results of culture examinations.

Dr. Warren, health officer of Coalinga, and Dr. Leroy Powers, health officer of Los Angeles, related several experiences that tended to prove that diphtheria (bacteriologically verified) is at times very prevalent among cats and that the cats may convey the infection to persons.

*Goiter and erythema nodosum.*—Two interesting reports were those of "epidemics" of goiter near Los Angeles and erythema nodosum near Coalinga.

*Quarantine and disinfection.*—These subjects were discussed in a paper by former Acting Asst. Surg. John N. Force, Public Health and Marine-Hospital Service, of Berkeley, Cal. Dr. Force's views were that present methods lack in precision, cause unnecessary detention, and inflict hardships that might be avoided.

*Scarlet fever.*—The discussion was on the period of quarantine that should be enforced; whether the somewhat elastic period "until desquamation is completed" was preferable to an arbitrary period of six weeks. A resolution approving of the former was adopted.

*Plague.*—The service representative discussed the subject of squirrel plague, dealing with the epidemiological and clinical phases of the subject. Much interest was manifested, and the county health officers, it is believed, will cooperate fully. The health officer of Riverside County has induced the supervisors to purchase quantities of poisoned grain, which is being used on a large scale there. The board of supervisors of Los Angeles County is also taking up this work.

*Venereal diseases.*—Dr. W. F. McNutt, the health officer of the city and county of San Francisco, described the operations of the clinic established for the suppression of venereal diseases by the regulation of prostitution. The work is apparently successful and is certainly worthy of a very complete trial. It was gratifying to note that no person raised a voice of protest against the city handling this question in the same manner that it handles other infectious diseases.

*Malta fever.*—Attention was drawn to the discovery of endemic malta fever in Texas, and the suggestion made that in view of the fact that goats are the natural reservoirs of the disease and that as goat raising is such a large industry in California, it would be well for physicians to be on the alert to detect the disease among persons.

The possibility of the conveyance of the ordinary contagious diseases—measles, smallpox, scarlet fever, and diphtheria—by fomites and by a well person was the subject of lively debate. Very interesting experiences in regard to the transference of smallpox by well persons were related by Acting Asst. Surg. Weldon, Public Health and Marine-Hospital Service, of San Pedro, Cal., and by others. The question was brought up especially in relation to the precautions physicians should take when seeing these cases. The writer took the ground that while conveyance from the sick to the well by a third person did occasionally occur, it was so rare that the removal of one's coat, the rolling up of one's sleeves and the thorough disinfection of one's hands constituted the really essential measures. In this connection, Dr. Warren, of Coalinga,

showed a shirt that he had designed where the sleeves were unbuttoned midway between the elbow and shoulder and slipped off with the cuffs. This is a simple and efficient substitute for rolling the sleeves.

*School inspection.*—This matter and the kindred one of school instruction in matters of preventive medicine were extensively discussed. There was not a dissenting voice as to the wisdom and importance of these matters. The only open question seems to be as to whether they should be under the health department or the department of education.

*Water purification.*—Prof. Charles G. Hyde, of the University of California, Berkeley, Cal., discussed the hypochlorite method of purifying water supplies. It would appear that this procedure should find a wider field of application than it now enjoys. The cheapness and the simplicity of application, in conjunction with the excellence of the results obtained, are the essential features in its favor.

*Morbidity reports.*—This subject was thoroughly discussed and its importance dwelt upon. A new form of blank for the reporting of cases of the communicable diseases was presented by Dr. Snow, secretary of the state board of health.

# UNITED STATES.

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

[Adopted since Jan. 1, 1910.]

**BERKELEY, CAL.**

**FOOD STUFFS—PREPARATION, CARE, AND SALE OF.**

**SECTION 1.** It shall be the duty of the health officer, or his assistants, to visit at frequent intervals each public and private market, stall, shop, store, warehouse, cannery, factory, restaurant, and storehouse in the city of Berkeley, and to inspect each and all wagons, carts, and vehicles of vendors or street hawkers in or about which meat, dairy products, vegetables, fruit, bread, or other provisions are kept, made, held, or carried for sale, or other disposition of foods intended for human consumption, and to examine and carefully inspect all such food stuffs and provisions.

**SEC. 2.** Every person keeping, maintaining, or being in charge of any public or private market, stall, shop, store, bakery, ice cream or candy factory, storehouse, warehouse, cold storage, cart, wagon, or other vehicle in, on, or about which any meat, fish, oysters, birds, fowl, vegetables, fruit, milk, bread, candies, cakes, or other provisions are kept, held, or stored, or offered for sale or other disposition, as food intended for human consumption, shall keep such public or private market or stall, shop, store, bakery, candy factory, ice cream factory, storehouse, warehouse, cold storage, cart, wagon, or other vehicle in a clean, pure, and wholesome condition, and if any person shall allow or permit the same to become or remain unclean, impure, or unwholesome he shall be guilty of a violation of this ordinance.

**SEC. 3.** It shall be unlawful to keep meat, game, fish, vegetables, fruit, or other prepared foodstuffs in an open receptacle less than two (2) feet above the floor. It shall also be unlawful to keep meat, fish, dairy products, cooked meats, figs, dates, dried fruit, olives, sauerkraut, mince meat, lard, butter, butterine, candy, crackers, cakes, bread, or any prepared food, exposed for sale on the sidewalk in front of, or at any place outside of, or in front of any shop, store, or place mentioned in section 2 hereof, or in any place where the same is exposed to soot, dust, or flies.

Every manager, owner, or other person in control of any store, market, or other place where any of the food products heretofore mentioned in this section are prepared for sale, stored for sale, offered for sale, or sold, or where food which is prepared for immediate consumption is prepared for sale, stored for sale, offered for sale, or sold, shall cause the same to be screened in such manner as to prevent flies and other insects from obtaining access to such food, and to prevent handling of the same by patrons or prospective purchasers.

All fruit, vegetables, meats, and other food kept, or sold, or offered for sale shall be kept in receptacles free from decayed matter of all kinds.

**SEC. 4.** Every person who shall bring into, hold, keep, offer or expose for sale, or sell or deliver for sale or consumption within the city of Berkeley any milk or milk product, meat, vegetable, fish, or bread in any wagon, cart, or other vehicle shall provide such wagon, cart, or other vehicle with a suitable clean canvas cover, which shall be used at all times.

**SEC. 5.** It shall be unlawful to prepare, keep for sale, or sell any kind of meat, milk product, fish, game, vegetable, fruit, bread, cake, candy, or other food in any room in which a toilet is located, or in any room opening directly into a toilet room, unless there is outside ventilation to such toilet room.

**SEC. 6.** All dealers in meats, fowls, fish, vegetables, fruits, groceries, or other foods intended for human consumption shall maintain in their respective places of business, and in the part of the building occupied by them for business purposes, at least one (1) water faucet connected by pipes with a suitable water supply. Sanitary lavatory conveniences must be provided for the use of employees.

SEC. 7. The baking of bread, cakes, pies, the manufacturing of candy, or the cooking of other food is prohibited from being done in a cellar or basement or other room where there is no direct ventilation to the outer air.

It shall be unlawful for any person to sell, or offer for sale, any bread, cake, pastry, or other baked food products, having attached to it a label or stamp, which is affixed thereto by any foreign adhesive substance.

SEC. 8. Any person or persons owning or managing or in charge of any canning establishment or other place where meats, fish, oysters, fowls, fruits, vegetables, or other foods are canned or preserved for human consumption, who shall keep or conduct said places in an unclean, unwholesome, or insanitary manner; and any person canning, curing, or otherwise preserving any meats, fish, oysters, fowls, fruits, or vegetables for human consumption, who shall utilize in this way any diseased, tainted, or unwholesome meat, fish, oysters, fowls, or any diseased or decayed or unwholesome fruit or vegetables, or any fruit or vegetables from filthy boxes, baskets, or other container, or use any chemicals therein deleterious to health, shall be deemed guilty of violating this ordinance.

SEC. 9. It shall be unlawful for any person in charge of any restaurant, hotel, or boarding house, or other place where food is sold or served in cooked or raw state, to keep such place in an unclean or insanitary condition, and all persons employed in or about such places shall keep themselves and their clothing in a clean and healthful condition.

SEC. 10. It shall be unlawful for any person maintaining or in charge of any restaurant, hotel, boarding house, or other place where meals or lunches are served in a cooked state or otherwise, to serve or cause to be served any tainted or diseased meat, fish, oysters, fowl, or any diseased, decayed, or partially decayed or unwholesome fruit, vegetables, or any unwholesome food whatever, to any person or persons, either at said place or sent to any person or persons to be eaten at any other place.

SEC. 11. It shall be unlawful for any person or persons to keep live chickens, ducks, geese, turkeys, or other live fowl in any cellar or basement underneath any grocery store, market, or other place where foodstuffs are kept for sale. It shall also be unlawful for any person or persons to keep any live chickens, turkeys, ducks, geese, or live fowl of any kind in any room where any kind of foodstuffs, such as are enumerated in section 2 and section 3 hereof, are kept, prepared for sale, or sold. Slaughterhouses and other places where fowl are killed and prepared for sale or storage shall be constructed with water-tight flooring, with properly trapped sewer connections, and these connected with the sewer, and immediately after each killing the floor shall be thoroughly washed and the place at all times kept in a clean and wholesome condition.

SEC. 12. If the health officer, or his assistants, shall find any public or private market, stall, shop, store, bakery, storehouse, cold storage warehouse, stock yard, slaughterhouse, boat, cart, wagon, or other vehicle in an unclean or unwholesome condition, notice shall be given to the person in charge thereof to clean and purify the same, so as to put the same in a clean, wholesome, and proper sanitary condition within 24 hours from the time of such notice, and if any person so in charge shall not put the same in a clean, wholesome, and properly sanitary condition within such time, then such person shall be guilty of violating this ordinance and subject to the punishment provided therefor.

SEC. 13. Any person violating any of the provisions of this ordinance shall be guilty of a misdemeanor and, upon conviction thereof, shall be punished by a fine not to exceed \$300, or by imprisonment not to exceed 60 days, or by both such fine and imprisonment.

SEC. 14. This ordinance shall take effect and be in force 30 days from and after its final passage. [Ordinance in effect May 23, 1910.]

#### KALAMAZOO, MICH.

##### FOODSTUFFS—PREPARATION, CARE, AND SALE.

1. Raw or uncooked meat, poultry, game, fish and sea food, vegetables or fruit shall not be kept or offered for sale in or near an open window or doorway, outside of a building or in any street, private way, or public place in the city of Kalamazoo, unless so covered or screened as to be protected from dust and flies and from contact with animals, and no such article intended to be used as food shall be exposed or displayed in any street, private way, or public place or in front of any place of business, unless the bottom of the box or receptacle containing such articles is raised at least 2 feet above the sidewalk, platform, or landing upon which such receptacle rests. No such articles shall be carried through any street, private way, or public place in said city unless properly protected or screened from dust and flies. Every person

being the occupant as owner, lessee, or otherwise, of any room, stall, building, or place in said city where any meat, poultry, game, fish, sea food, butter, vegetables, fruit, confectionery, bakers' products or other articles intended for human food shall be kept or offered for sale, shall maintain such room, stall, building, or place and its appurtenances in a clean and sanitary condition. Every peddler of foodstuffs from wagons or carts in said city shall keep in his wagon or cart a suitable receptacle for the wastes of his business, such wastes to be disposed of in a manner that shall not create a nuisance.

2. Bread and other bakers' products shall not be transported in any manner through the streets or alleys in the city of Kalamazoo unless wrapped in suitable paper so as to protect it from contamination from contact with flies, dust, the conveyance, lines, or the hands of the driver or other person handling such bakers' product.

All bakers' products shall be suitably wrapped as above specified before leaving the bakery, by persons whose hands have been thoroughly washed and sterilized immediately preceding.

No bread or bakers' products shall be kept or offered for sale in the city of Kalamazoo which has not been handled in conformity to the requirements of this section.

3. Meat cutters or other attendants in meat shops who handle raw or uncooked meat shall be cleanly dressed, and their hands and outer garments shall be kept clean. They shall not wrap any such meat in a newspaper or any part thereof or in wrapping paper that is soiled or has been used for other purposes, but shall wrap the same in fresh, clean wrapping paper. No refuse, scraps, bones, rancid fat, or decaying flesh shall be kept in any ice box in any meat shop with any such fresh meat.

4. Live poultry shall not be kept in the same room or compartment in which meat is kept or offered for sale; nor shall live poultry be kept in any room or compartment adjoining such room or compartment if the conditions are such that the room or compartment in which the live poultry is kept ventilates or is liable to ventilate into said other room or compartment, so that the odors from the fowls and their inclosures may contaminate the meat.

5. Any person violating any provision of these rules shall be fined not less than \$5 or more than \$20 for every violation thereof. [Regulation, board of health, adopted May 24, 1911.]

#### KANSAS CITY, MO.

##### FOODSTUFFS—PROTECTION AND CARE.

SECTION 1. That no person, firm, or corporation shall expose for sale anywhere in Kansas City, Mo., at any time, except during the months of January, February, and December, any fruit or foodstuff which is subject to contamination from contact with flies, without covering such fruit or foodstuff with either glass or wire screening not coarser than No. 12 standard wire mesh, in such a manner as to protect such fruit or foodstuff from contact with flies, and so that said covering shall not touch such fruit or foodstuff: *Provided, however*, That the following fruit or foodstuff shall not be deemed subject to contamination and shall not be required to be covered, to wit: Watermelons and all other kinds of melons, oranges, lemons, bananas, potatoes, cabbages, carrots, turnips, parsnips, onions, squashes and pumpkins, and all fruits and produce brought into the city in the original package or sack so long as such package is unbroken or sack is unopened.

SEC. 2. Any person, firm, or corporation that shall fail to comply with any provisions of this ordinance shall be deemed guilty of a misdemeanor, and, on conviction, shall be fined in an amount not less than \$10 nor more than \$100 for each and every offense.

SEC. 3. All ordinances or parts of ordinances in conflict with this ordinance are, in so far as they so conflict, hereby repealed. [Ordinance adopted Sept. 6, 1910.]

#### NEWTON, MASS.

##### FOODSTUFFS—CARE AND PROTECTION OF.

No person shall expose, sell, or offer for sale for human consumption any meat, poultry, game, fish, breadstuffs, cake, pastry, candy, fruits, dried fruits, or shelled nuts, outside of any building, nor in any open window or doorway, nor upon any alley, street, or sidewalk in the city of Newton, unless such food is so covered with clean material or so placed as to be protected from dust, flies, animals, or any other contaminating influence.

No person shall expose any fruits, vegetables, or other foodstuffs, intended for human consumption, outside of stores, markets, or places of sale, unless the stand or bottom of the container is at least 2 feet above the level of the sidewalk. [Regulation board of health, adopted Apr. 3, 1911.]

**ST. JOSEPH, MO.****FOODSTUFFS—INSPECTION AND SALE.**

**SECTION 1.** The board of health of the city of St. Joseph, through its officers and employees, shall have the power to inspect and examine articles of food and drink, and shall have the power to enter upon any property or premises for the purpose of said inspection and examination.

**SEC. 2.** No person shall sell, expose, or offer for sale in any public market, or in any store, shop, or any other place, within the limits of the city of St. Joseph, any unsound, diseased, stale, rotten, fermented, nauseous, or unwholesome meat, poultry, fish, vegetables, fruits, or other articles of food, provisions, or drink, or any unwholesome bread, cake, or pastry manufactured in whole or in part from unwholesome flour or meal.

**SEC. 3.** Every person who shall violate the provisions of this ordinance shall be deemed guilty of a misdemeanor, and upon conviction shall be fined in any sum not more than \$500. [Ordinance adopted Jan. 4, 1911.]

**ST. LOUIS, MO.****FOODSTUFFS—PROTECTION AND CARE OF.**

**SECTION 1.** No person, firm, or corporation shall, at any time within the period beginning on the first day of April and ending on the first day of December in any year, place, keep, expose, offer, or prepare for sale, or shall sell, or shall store pending sale, any article or substance of human food or drink in any building, premises, or place in the city which is or are not at such times screened so as to prevent flying insects from having access to such article or substance, and no person, firm, or corporation shall, at any time, within such period in any year, place, carry, or convey, or cause to be placed, carried, or conveyed, within, upon, along, or over any street, lane, alley, or other public place or way in the city, any article or substance of human food or drink which is then, or is thereafter to be, placed, kept, offered, or exposed for sale, or stored pending sale, or which at such time is in course of delivery after sale, unless such article or substance at such time be covered, screened, or otherwise protected in such manner as not be accessible to flying insects; provided, however, that no provision hereof shall apply to or affect any article or substance of human food or drink which shall at such time be in unbroken packages or containers tightly closed.

**SEC. 2.** Any person, firm, or corporation violating or neglecting, failing or refusing to comply with, any of the provisions of this ordinance shall be deemed guilty of a misdemeanor, and be fined not less than \$5 nor more than \$25 for each and every offense.

**SEC. 3.** It is expressly declared to be the duty of all officers and members of the police force or department, and of all officers and employees of the health board or department, and they are hereby required to take all needful and proper steps and measures to enforce the provisions of this ordinance. [Ordinance adopted Mar. 27, 1911.]

**ST. PAUL, MINN.****FOODSTUFFS—PROTECTION OF.**

**SECTION 1.** All berries, cherries, dates, and figs exposed for sale in any store, shop, or building shall be protected from flies and all fruits, berries, and candies exposed for sale outside of a building or in any wagon or cart shall be protected from both flies and dust.

**SEC. 2.** Anyone violating any of the provisions of this ordinance shall be guilty of a misdemeanor and upon conviction thereof shall be punished by a fine of not less than \$5 nor more than \$25. [Ordinance adopted May 8, 1911.]

**SAN ANTONIO, TEX.****VEGETABLES—PRODUCTION AND SALE OF.**

**SECTION 1.** That no lettuce, celery, cabbage, parsley, thyme, tomatoes, radishes, onions, or shallots, meaning all vegetables usually eaten raw, raised by sewage irrigation, either within or outside of the city limits, shall be sold, given away, or used within the city limits.

**SEC. 2.** No vegetables dealer shall expose for sale, sell, or give away any vegetables which have not been first inspected and approved as being fresh and wholesome at the market house by an inspector duly appointed by the city, and obtaining from said

inspector a certificate of inspection and approval, which said certificate shall be shown to anyone inquiring therefor: *Provided*, That said dealer must first produce a certificate from the grower of such vegetables, stating whether the same were raised on a sewage-irrigated farm or otherwise.

SEC. 3. If the vegetables prohibited in section 1 hereof are found within the city limits they shall immediately be condemned and destroyed by said inspector; and all vegetables offered for sale not inspected and approved as provided in section 2 hereof shall also immediately be condemned and destroyed by the inspector.

SEC. 4. Any person or persons violating any provision of this ordinance shall be deemed guilty of a misdemeanor, and upon conviction shall be fined not less than \$5 nor more than \$200 for each and every offense. [Ordinance adopted Apr. 19, 1911.]

### TACOMA, WASH.

#### FOODSTUFFS—PREPARATION, CARE, AND SALE.

SECTION 1. Section 2 of ordinance No. 3610 shall read as follows:

"SEC. 2. It shall be unlawful to keep, offer for sale or expose for sale any meat, game, fish, vegetables, fruit, or prepared food products in open receptacles or broken packages less than 2 feet above the floor of any building, storeroom or place in which or where the same may be sold or offered for sale. And it shall be unlawful to keep any cured, cooked or fresh meat, game, fowl, cured, cooked or fresh fish, cheese, figs, dates, dried or fresh fruit, olives, sauerkraut, mincemeat, lard, butter, butterine, candy, crackers, cakes, bread, or any prepared food products for sale or exposed for sale unless the same be protected in such manner as to exclude as far as practicable dust, flies, or other insects from coming in contact therewith. All cut meats and fish shall be kept in cases or receptacles, having glass tops, and shall be properly ventilated. Apples, oranges, lemons, limes, and all other fruits of like kind and character and all fruits which are generally eaten in a raw state and all fresh garden vegetables shall at all times be so protected by screens or netting as to exclude flies or other insects."

SEC. 2. Section 3 of ordinance No. 3610 shall read as follows:

"SEC. 3. That kitchens of all restaurants, hotels, and all candy factories, fish markets, meat markets, and bakeries shall have good and proper screens at all openings in such places where flies or other insects can enter, for the purpose of excluding such insects from the said places."

SEC. 3. Section 14 of ordinance No. 3610 shall read as follows:

"SEC. 14. No meats, fish, oysters, birds, fowls, fruits, vegetables, milk, or other provisions of any kind not being in a healthy, sound, and wholesome condition, and no part of any animal or fish that dies by accident or from disease, shall be brought in to the city of Tacoma for the purpose of sale or gift as human food nor shall the same be offered for sale by any person at or in any public or private market, store, stall, warehouse, cold storage, or other place of business." [Ordinance adopted July 13, 1910.]

### LOS ANGELES, CAL.

#### BAKESHOPS AND BAKERS.

SECTION 1. Section 8 of ordinance No. 17,862 (new series), entitled "An ordinance defining and regulating bakeries and regulating the sale, delivery, and transport of the products thereof," approved March 11, 1909, is hereby amended so as to read as follows:

"SEC. 8. It shall be unlawful for any person, firm, or corporation, after the passage of this ordinance, to establish or to cause or permit to be established, any bakery in any room or place, the floor of any portion of which is more than 4 feet below the level of the adjacent street, sidewalk, or ground.

"After any room or place, the floor of any portion of which is more than 4 feet below the level of the adjacent street, sidewalk, or ground, has, for any cause, ceased to be used as a bakery, it shall be unlawful for any person, firm, or corporation to reopen such room or place or to cause or permit the same to be reopened for use as or for a bakery, or to use the same or to cause or permit the same to be used as or for a bakery.

"It shall be unlawful for any person, firm, or corporation to maintain, or to cause or permit to be maintained, any bakery established in violation of the terms of this section: *Provided, however*, That the provisions of this section shall not apply to any clean, well-drained, and sanitary room used exclusively for the storage of flour, meal, or other articles necessary in the preparation, baking, and cooking of bread, crackers, cakes, pies, or other breadstuffs or products of flour or meal: *And provided further*, That the provisions of this section shall not apply to any bakery established or maintained in any basement that is constructed as follows: Such basement shall be well ven-



tilated and shall be so constructed as to prevent rats and mice from entering such basement; the floor of such basement shall be constructed of cement and the walls thereof shall be constructed of cement or of brick plastered inside."

SEC. 2. That section 17 of the said ordinance No. 17,862 (new series) be, and the same is hereby, amended so as to read as follows:

"SEC. 17. It shall be unlawful for any person, firm, or corporation to keep, or to cause or permit to be kept, any animal or fowl in any bakery or in any storage room connected or used in connection with or belonging to any bakery, or in any building in which any bakery is located, or to keep, or to cause or permit to be kept, any animal within 35 feet of any door or window or airshaft of any bakery, or within 35 feet of any door or window or airshaft of any storage room connected or used in connection with or belonging to any bakery.

"It shall be unlawful for any person, firm, or corporation to keep, or to cause or permit to be kept, any bakery or any storage room connected or used in connection with any bakery, in any building in which any animal or fowl is kept or is permitted to be or remain." [Ordinance adopted May 27, 1910.]

#### ST. PAUL, MINN.

##### BAKESHOPS AND BAKERY PRODUCTS.

SECTION 1. All bread and other bakery goods baked, made, deposited, or offered for sale, or sold, in the city of St. Paul, shall be made of good wholesome substances, and shall be kept in a proper, clean, and sanitary condition, and every bakery, bakeshop, store or other place where bread or other bakery goods are baked, made, deposited, or offered for sale, or sold in the city of St. Paul, and every vehicle or receptacle in which said bread or goods are kept or transported shall be kept in a proper, clean, and sanitary condition.

SEC. 2. The commissioner of health of said city shall examine and inspect such bread and bakery goods and each such bakery, bakeshop, store, place, vehicle, and receptacle from time to time to ascertain if such bread and bakery goods are baked or made of good, wholesome substances, and in a proper, clean, and sanitary manner, and if such bakery, bakeshop, store, or place is kept and maintained in a proper, clean, and sanitary manner, and may enter any such bakery, bakeshop, store, or place and stop any such vehicle or any person carrying or transporting any such bread or goods at all reasonable hours, to make such examination and inspection, and may seize and destroy any and all such bread and bakery goods baked, made, deposited, or offered for sale, or transported contrary to the provisions of this ordinance.

SEC. 3. This ordinance shall not be deemed to amend or repeal any ordinance or law now in force.

SEC. 4. Any person violating the provisions of this ordinance shall be guilty of a misdemeanor, and upon conviction thereof shall be subject to a fine of not less than \$5 nor more than \$25 or by imprisonment for not less than 5 days nor more than 25 days. [Ordinance adopted May 16, 1911.]

#### SAN FRANCISCO, CAL.

##### BAKESHOPS AND BAKERY PRODUCTS.

SECTION 1. It shall be unlawful for any person, firm, or corporation to conduct and maintain or carry on, or cause to be conducted, maintained, or carried on, any bakery, store, shop, or stand where there is to be received or delivered bread or other bakery products, unless the said bakery, store, shop, or stand be provided with proper receptacles for bread or other bakery products, as herein provided.

SEC. 2. Every bakery, store, shop, or stand where bread or other bakery products of any kind are received or delivered shall be provided with a wooden receptacle for the reception and protection of bread or other bakery products, and into which all bread or other bakery products shall be placed when delivered, as herein provided.

SEC. 3. (a) The said receptacle for the reception of bread or other bakery products as aforesaid shall be constructed of clear pine board, dressed on both sides, and shall have not less than two coats of paint on the outside. The outside must present a smooth surface, with no bottom or side moldings thereon. The receptacle shall be furnished with four bent iron legs, each two inches in height, fastened to two cleats which shall extend across the bottom of the receptacle, 1 inch from the ends of the receptacle, and the ends of said cleats shall extend to within 1 inch from the side thereof. The inside corners shall be filled and reinforced with right-angle pine uprights with smooth surfaces to exclude dust accumulating in corners of receptacle.

(b) There shall be no aperture, no openings in the said receptacle, and the top thereof shall be placed in a position slanting toward the front and shall extend 1 inch over the sides and front of said receptacle, and shall be used as a cover therefor, and shall be attached thereto with two hinges at the top and back, and be furnished with appliances for locking the cover on receptacle at the front.

(c) The minimum size of such receptacle shall be 20 inches in length, 15 inches in width, and 18 inches in height, exclusive of legs, and of whatever size said receptacle shall be built, it shall, in the main, adhere to the proportions in the minimum size, as hereinbefore set forth.

SEC. 4. Such a receptacle as aforesaid shall be placed and kept in a convenient place for the reception and delivering of bread or other bakery products outside any bakery, store, shop, or stand, as aforesaid, at any time, and at all times, when the said bakery, store, shop, or stand is closed between the hours of 6 o'clock in the afternoon of any day and 8 o'clock in the forenoon of the following day, and the said receptacle shall be taken into and kept inside said bakery, store, shop, or stand at and during all times when bread or other bakery products may be delivered to and into said bakery, store, shop, or stand.

SEC. 5. Any person, firm, or corporation violating any of the provisions of this ordinance shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be punished by a fine not to exceed \$500, or by imprisonment in the county jail for not more than 6 months, or by both such fine and imprisonment.

SEC. 6. This ordinance shall take effect and be in force 30 days after its passage. [Ordinance adopted May 8, 1911.]

#### ST. PAUL, MINN.

##### HOTELS, RESTAURANTS, ETC.—LICENSING AND REGULATION OF.

SECTION 1. That section 2 of ordinance No. 2829 be amended by adding thereto the following:

*“Provided, however,* That before the filing of any application for a license herein provided for shall be valid for any purpose the applicant shall deposit with the city treasurer the sum of \$5 and the city treasurer shall thereupon deliver to such applicant duplicate receipts therefor, containing a statement of the purpose for which such deposit was made, and one of said receipts shall be attached to and filed with said application; and if the license is granted, said sum shall be the annual license fee of said applicant, but if the application be denied, said sum shall be returned to said applicant and a receipt taken therefor.” [Ordinance adopted Apr. 4, 1911.]

#### SPRINGFIELD, ILL.

##### RESTAURANTS—LICENSING AND REGULATION OF.

SECTION 1. No person, firm, or corporation shall exercise, within the city of Springfield, the business of keeping a restaurant without first procuring a license as herein-after required and paying a fee of \$15 per annum.

SEC. 2. The mayor of the city of Springfield shall, from time to time, issue licenses authorizing the keeping of restaurants within the said city in the manner following and not otherwise. Any person, firm, or corporation desiring a license to keep a restaurant shall make written application for that purpose to the health inspector, in which shall be described the premises wherein such restaurant is proposed to be kept, and the location. Said application shall be accompanied by evidence that the applicant, if an individual, all the members of the firm, if a copartnership, and the person or persons in charge of the business, if a corporation, is or are persons of good character and reputation, and also that the premises where such restaurant is proposed to be kept are proper and suitable for that purpose from a sanitary and hygienic standpoint.

SEC. 3. Every such application, on compliance with the aforesaid requirements, and the payment in advance to the city treasurer at the rate of \$15 per year, shall receive a license under the corporate seal, signed by the mayor, which shall be countersigned by the city clerk, and which shall authorize the person, firm, or corporation therein named to keep a restaurant at the place designated in the license.

SEC. 4. Such license may be issued for the unexpired portion of a year, upon the payment in advance at the rate of \$15 per year and proof furnished by the health inspector to the city treasurer that the applicant was not liable for a license fee and kept no restaurant without a license after the taking effect of this ordinance and prior to the date fixed in his application, but no such license shall in any case extend beyond December 31 in any year.

SEC. 5. Every person, firm, or corporation licensed to keep a restaurant shall immediately post the license or cause it to be posted and at all times keep it posted in a conspicuous place within the premises where such restaurant is thereby authorized to be kept. Any person violating the provisions of this section or who, not being properly licensed, shall cause or permit any papers or documents purporting to be a license to be posted as aforesaid, shall upon conviction be fined not less than \$10 nor more than \$100.

SEC. 6. It shall be the duty of the keeper of every restaurant to at all times keep the premises, wherein such restaurant is located, clean and in a proper hygienic and sanitary condition. All utensils, appliances, vessels, receptacles, refrigerators, pantries, rooms, or any other place or thing whatsoever which is or are used for the purpose of storing, preparing, cooking, or serving foods, must at all times be kept in a clean, wholesome, and sanitary condition. No decayed, decaying, or unwholesome or impure food of any kind whatsoever shall be kept, sold, offered for sale, or served in any such restaurant. Every person violating any of the provisions of this section shall, upon conviction thereof, be fined not less than \$25 nor more than \$100.

SEC. 7. It shall be the duty of the health inspector and he is hereby authorized and empowered from time to time to inspect and examine all premises wherein such restaurants are conducted for the purpose of ascertaining whether or not this ordinance and all ordinances of the city of Springfield and the State of Illinois relative to the keeping of restaurants are being complied with at such place, and it shall be the duty of the health inspector to cause all such ordinances and laws to be strictly enforced. It shall be the duty of every keeper of a restaurant to permit such inspections to be made and when required to furnish samples of any food kept, sold, offered for sale, or served in such restaurant, which samples shall be examined or analyzed by or under the direction of the said health inspector, and a record be made and kept on file in his office.

SEC. 8. Any license so granted may be revoked by the mayor by notice in writing wherein it shall appear to his satisfaction that the party so licensed shall have violated the provisions of any law of the State, of this or any other ordinance of the city of Springfield relating to the keeping of restaurants.

SEC. 9. Any person, firm, or corporation who shall hereinafter keep a restaurant at any place within the city of Springfield without having first procured a license as hereinbefore provided shall be fined not less than \$25 nor more than \$200, and a further sum of \$25 for each and every day such person, firm, or corporation shall persist in such violation after conviction for the first offense.

SEC. 10. All ordinances or parts of ordinances inconsistent herewith are hereby repealed: *Provided, however,* That such repeal shall in no wise affect any suit, prosecution, or court proceeding pending at the time this ordinance shall take effect, or any right which the city of Springfield may have at the time of the taking effect of this ordinance, to claim a license fee or any money due under the provisions of this ordinance or ordinances repealed for which no proceeding has been commenced. [Ordinance adopted Mar. 28, 1910.]

PLAGUE-PREVENTION WORK.

PLAGUE-INFECTED GROUND SQUIRREL FOUND IN CALIFORNIA.

During the week ended November 4, 1911, the finding of 1 plague-infected ground squirrel was reported. The squirrel was found in Merced County, Cal., October 27, at Miller and Lux ranch, 28 miles south of Dos Palos.

DISTRIBUTION OF POISON.

In connection with the making and maintenance of a squirrel-free zone around the cities of California on San Francisco Bay, 6,601 acres of land in Alameda County were covered with poison during the week ended November 4, 1911.

During the same period 7,360 acres of land in San Joaquin County and 5,180 acres in Stanislaus County were covered with poison for the purpose of eradicating plague foci.

Record of Plague Infection.

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

## Rats Collected and Examined for Plague Infection.

Places.	Week ended.	Found dead.	Total collected.	Examined.	Found infected.
California:					
Cities—					
Berkeley.....	Nov. 4, 1911		1 149	86	
Oakland.....	do.	34	* 681	547	
San Francisco.....	do.	12	* 1,241	1,158	
Counties—					
Santa Clara.....	do.		4149	149	
Stanislaus.....	do.		* 59	59	
Washington:					
City—					
Seattle.....	do.		1,122	978	

<sup>1</sup> Identified, *Mus norvegicus*, 90; *Mus musculus*, 59.

<sup>2</sup> Identified, *Mus norvegicus*, 570; *Mus musculus*, 111.

<sup>3</sup> Identified, *Mus norvegicus*, 901; *Mus rattus*, 206; *Mus alexandrinus*, 133.

<sup>4</sup> Identified, *Mus norvegicus*, 119; *Mus musculus*, 9; *Mus rattus*, 1; *Mus alexandrinus*, 20.

<sup>5</sup> Identified, *Mus norvegicus*, 27; *Mus musculus*, 9; *Mus rattus*, 1; *Mus alexandrinus*, 22.

## Squirrels Collected and Examined for Plague Infection.

Places.	Week ended.	Shot or trapped.	Found dead.	Examined.	Found infected.
California:					
Counties—					
Alameda.....	Nov. 4, 1911		169	169	
Kern.....	do.	32		32	
Merced.....	do.	173		173	1
San Benito.....	do.	103		103	
San Joaquin.....	do.	135		135	
Stanislaus.....	do.	83	2	85	
Fresno.....	do.	22		22	
Total.....		548	171	719	1

## Other Animals Collected and Examined.

Places.	Animals collected.	Examined.	Found infected.
California:			
Cities—			
San Francisco.....	1 gopher.....	0	
Counties—			
Fresno.....	2 rabbits.....	2	
San Joaquin.....	22 rabbits.....	22	
Stanislaus.....	1 gopher.....	1	
Merced.....	6 rabbits.....	6	
Merced.....	8 rabbits.....	8	
Total.....		39	

## SMALLPOX IN THE UNITED STATES.

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

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended Nov. 24, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Florida:</b>				
County—				
Citrus.....	Oct. 15-21.....	2		
<b>Iowa:</b>				
Counties—				
Butler.....	Oct 1-31.....	2		
Henry.....	do.....	1		
Linn.....	do.....	2		
Madison.....	do.....	1		
Pottawattamie.....	do.....	17		
Total for State.....		23		
<b>*Louisiana:</b>				
New Orleans.....	Nov. 5-11.....	1		
<b>Minnesota:</b>				
Counties—				
Chisago.....	Oct. 19-23.....	1		
Fillmore.....	do.....	2		
Hennepin.....	Oct. 3-30.....	15		
Isanti.....	Oct. 24-30.....	1		
Ramsey.....	Oct. 7-30.....	71		
St. Louis.....	Oct. 10-23.....	4		
Scott.....	Oct. 9-16.....	5		
Total for State.....		99		
<b>New Jersey.....</b>				Oct. 1-31, no cases.
County—				
Cumberland.....	Sept. 1-30.....		1	
<b>Virginia:</b>				
Counties—				
Augusta.....	Oct. 1-31.....	9		
Brunswick.....	do.....	3		
Fairfax.....	do.....	2		
Lee.....	do.....	4		
Mecklenburg.....	do.....	13		
Norfolk.....	do.....	2		
Total for State.....		33		
<b>Washington:</b>				
Counties—				
Columbia.....	Sept. 1-30.....	1		
Cowlitz.....	do.....	1		
Ferry.....	do.....	1		
King.....	do.....	2		
Pend Oreille.....	do.....	2		
Pierce.....	do.....	2		
Skagit.....	do.....	1		
Spokane.....	do.....	1		
Yakima.....	do.....	9		
Total for State.....		20		

Reports Received from July 1 to Nov. 17, 1911.

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

Places.	Date.	Cases.	Deaths.	Remarks.
<b>*Alabama:</b>				
Mobile.....	June 18-24.....	3		
Montgomery.....	June 25-Aug. 30.....	6		
Total for State.....		9		
<b>Arizona:</b>				
County—				
Cochise.....	July 1-31.....	7		Aug. 1-31, no cases.

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Nov. 17, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
California.....	June 1-30.....		2	
Counties—				
Alameda.....	Aug. 1-31.....	1		
Fresno.....	Aug. 1-Sept. 30.....	10		
Los Angeles.....	May 1-Sept. 30.....	12		
Sacramento.....	Aug. 1-Sept. 30.....	3		
San Bernardino.....	do.....	8		
Santa Cruz.....	May 1-31.....	2		
San Diego.....	May 1-July 31.....	1		
San Francisco.....	May 1-Sept. 30.....	8		
San Joaquin.....	Aug. 1-Sept. 30.....	2		
Siskiyou.....	Aug. 1-31.....	2		
Tulare.....	do.....	1		
Ventura.....	July 1-Aug. 31.....	2		
Total for State.....		52	2	
Colorado:				
Counties—				
Archuleta.....	Aug. 1-31.....	1		
Boulder.....	June 1-July 31.....	3		
Chaffee.....	June 1-30.....	3		
Clear Creek.....	June 1-July 31.....	8		
Conejos.....	do.....	4		
Costilla.....	June 1-30.....	1		
Delta.....	do.....	7		
Denver.....	June 1-Oct. 31.....	50		
El Paso.....	do.....	3		
Fremont.....	Aug. 1-Oct. 31.....	3		
Huerfano.....	June 1-Aug. 31.....	7		
Jefferson.....	Aug. 1-31.....	1		
Kiowa.....	July 1-Oct. 31.....	8		
Lake.....	June 1-Sept. 30.....	10		
La Plata.....	June 1-July 31.....	7		
Larimer.....	June 1-Aug. 31.....	10		
Las Animas.....	Aug. 1-31.....	1		
Lincoln.....	June 1-30.....	2		
Logan.....	Oct. 1-31.....	1		
Mesa.....	June 1-30.....	1		
Morgan.....	Aug. 1-31.....	3		
Montrose.....	July 1-31.....	2		
Otero.....	do.....	1		
Phillips.....	June 1-Oct. 31.....	2		
Pueblo.....	do.....	9		
San Miguel.....	June 1, 30.....	1		
Summit.....	Sept. 1-30.....	4		
Washington.....	June 1, July 31.....	11		
Weld.....	July 1-Sept. 30.....	2		
Total for State.....		166		
Connecticut, entire State.....				
Middlesex County.....	May 1-Oct. 31.....	2		
District of Columbia.....	July 2-8.....	5		
Florida:				
Counties—				
Alachua.....	Aug. 20-26.....	3		
Bradford.....	July 17-Sept. 30.....	8		
Citrus.....	July 9-22.....	2		
Columbia.....	July 2-8.....	1		
De Soto.....	June 16-Aug. 26.....	7		
Duval.....	June 16-Sept. 23.....	44	1	
Escambia.....	June 16-Aug. 26.....	7		
Gadsden.....	July 9-Sept. 23.....	72		
Hillsboro.....	June 16-Aug. 26.....	3		
Jackson.....	July 2-Sept. 30.....	57		
Jefferson.....	Sept. 16-23.....	20		
Leon.....	June 16-July 8.....	11		
Levy.....	July 9-16.....	1		
Madison.....	Sept. 10-16.....	2		
Manatee.....	June 16-July 8.....	8		
Marion.....	July 9-Sept. 16.....	2		
Orange.....	June 16-July 16.....	2		
Pasco.....	July 9-16.....	20		
Folk.....	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.....		291	1	

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Nov. 17, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Indiana:</b>				
<b>Counties—</b>				
Adams.....	Aug. 1-31.....	1		
Allen.....	June 1-30.....	1		
Bartholomew.....	July 1-31.....	1		
Benton.....	June 1-30.....	2		
Blackford.....	do.....	4		
Boone.....	Aug. 1-31.....	1		
Cass.....	do.....	1		
Clarke.....	July 1-31.....	2		
Clinton.....	June 1-30.....	7		
Delaware.....	June 1-Aug. 31.....	14		
Franklin.....	July 1-31.....	1		
Henry.....	June 1-Sept. 30.....	3		
Howard.....	do.....	43		
Jay.....	June 1-30.....	2		
Lake.....	Aug. 1-31.....	3		
Laporte.....	June 1-30.....	2		
Madison.....	June 1-Aug. 31.....	21		
Marion.....	do.....	4		
Orange.....	Aug. 1-31.....	2		
Parke.....	June 1-July 31.....	4		
Posey.....	June 1-30.....	3		
Rush.....	Aug. 1-31.....	1		
Shelby.....	June 1-30.....	1		
Tippecanoe.....	July 1-31.....	2		
Tipton.....	June 1-Sept. 30.....	7		
Vanderburg.....	June 1-Aug. 31.....	1	1	
Vigo.....	July 1-Sept. 30.....	25		
Wabash.....	June 1-30.....	2		
Wayne.....	June 1-July 31.....	13		
Total for State.....		178	1	
<b>Iowa:</b>				
<b>Counties—</b>				
Adams.....	June 1-July 31.....	19		
Appanoose.....	June 1-30.....	1		
Blackhawk.....	do.....	4		
Carroll.....	do.....	1		
Davis.....	do.....	3		
Decatur.....	June 1-July 31.....	2		
Fremont.....	June 1-Sept. 30.....	11		
Henry.....	June 1-30.....	2		
Johnson.....	July 1-31.....	13		
Lee.....	June 1-30.....	1		
Linn.....	July 1-Aug. 31.....	9		
Madison.....	Sept. 1-30.....	1		
Marshall.....	June 1-Aug. 31.....	9		
Mills.....	June 1-30.....	1	1	
Polk.....	June 1-Sept. 30.....	14		
Pottawattamie.....	do.....	42		
Scott.....	do.....	7		
Sloux.....	June 1-July 31.....	8		
Taylor.....	do.....	9		
Wapello.....	June 1-Aug. 31.....	5		
Wright.....	June 1-30.....	1		
Woodbury.....	July 1-31.....	1		
Total for State.....		164	1	
<b>Kansas:</b>				
<b>Counties—</b>				
Allen.....	May 1-31.....	7		
Anderson.....	June 1-30.....	15		
Atholson.....	May 1-June 30.....	2		
Barton.....	do.....	8		
Brown.....	Aug. 1-31.....	5		
Clark.....	July 1-Aug. 31.....	3		
Clay.....	May 1-31.....	1		
Cloud.....	do.....	1		
Crawford.....	May 1-July 31.....	19		
Dickinson.....	May 1-31.....	13		
Doniphan.....	do.....	15		
Douglas.....	May 1-Aug. 31.....	5		
Eik.....	May 1-31.....	15		
Ellsworth.....	June 1-30.....	1		
Franklin.....	May 1-31.....	4		
Graham.....	May 1-June 30.....	3		
Harvey.....	May 1-Aug. 31.....	33		



## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Nov. 17, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Kansas—Continued.</b>				
<b>Counties—Continued.</b>				
Haskell.....	May 1-31.....	19		
Jefferson.....	May 1-July 31.....	9		
Jewell.....	July 1-Aug. 31.....	7		
Johnson.....	May 1-June 30.....	5		
Kearny.....	June 1-July 31.....	2		
Labette.....	May 1-Aug. 31.....	14		
Lane.....	June 1-30.....	11		
Leavenworth.....	May 1-June 30.....	3		
Lyon.....	July 1-Aug. 31.....	3		
Marion.....	May 1-31.....	3		
Marshall.....	do.....	3		
Miami.....	do.....	3		
Mitchell.....	do.....	6		
Montgomery.....	do.....	5		
Norton.....	June 30.....	9		
Osage.....	May 1-31.....	1	3	
Pottawatomie.....	do.....	2		
Reno.....	do.....	3		
Republic.....	May 1-Aug. 31.....	5		
Rice.....	June 30.....	13		
Riley.....	May 1-June 30.....	9		
Rooks.....	May 1-July 31.....	13		
Saline.....	May 1-Aug. 31.....	8		
Sedgwick.....	May 1-July 31.....	12		
Shawnee.....	May 1-Aug. 31.....	73	17	
Sherman.....	June 1-30.....	1		
Smith.....	May 1-31.....	18		
Thomas.....	do.....	2		
Washington.....	do.....	1		
Wyandotte.....	May 1-Aug. 31.....	26		
Total for State.....		439	20	
<b>*Kentucky:</b>				
Covington.....	July 2-22.....	10		
Louisville.....	May 1-31.....	4		
Total for State.....		14		
<b>*Louisiana:</b>				
<b>Parishes—</b>				
Ascension.....	Mar. 1-31.....	21		
Morehouse.....	Apr. 1-30.....	4		
<b>Orleans—</b>				
New Orleans.....	June 25-Oct. 7.....	5		
St. Tammany.....	Mar. 1-31.....	3		
Tangipahoa.....	Mar. 1-Apr. 30.....	21		
Total for State.....		54		
<b>Maine, entire State.....</b>				
<b>Counties—</b>				
Androscoggin.....	Aug. 1-31.....	3		July 1-31, no cases.
Somerset.....	June 1-30.....	3		
Total for State.....		6		
<b>Maryland.....</b>				
<b>Counties—</b>				
Frederick.....	July 1-31.....	3		Oct. 1-31, no cases.
Prince Georges.....	do.....	1		
Washington.....	June 1-30.....	1		
Total for State.....		5		
<b>Massachusetts.....</b>				
<b>Counties—</b>				
Bristol.....	Sept. 1-30.....	1		July 1-31, no cases.
Middlesex.....	June 1-30.....	1		
Total for State.....		2		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Nov. 17, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Michigan:</b>				
Counties—				
Antrim.....	June 1-30.....	2		
Berrien.....	Oct. 1-31.....	1		
Calhoun.....	June 1-July 31.....	12		
Cheboygan.....	July 1-31.....	10		
Grand Traverse.....	June 1-Sept. 30.....	7		
Gratiot.....	Aug. 1-Sept. 30.....	3		
Isabella.....	June 1-30.....	1		
Mackinac.....	June 1-Aug. 31.....	8		
Marquette.....	June 1-30.....	1		
Milford.....	July 1-31.....	1		
Montcalm.....	July 1-Aug. 31.....	8		
Muskegon.....	July 1-31.....	2		
Oakland.....	June 1-30.....	1		
Ottawa.....	do.....	1		
Saginaw.....	Sept. 1-30.....	1		
St. Clair.....	June 1-Sept. 30.....	23		
Shiawassee.....	June 1-30.....	1		
Tuscola.....	Sept. 1-30.....	1		
Washtenaw.....	June 1-July 31.....	6		
Wayne.....	June 1-Oct. 31.....	12		
Total for State.....		102		
<b>Minnesota:</b>				
Counties—				
Ramsey.....	{Mar. 1-31.....		1	
	{May 1-31.....		1	
Brown.....	June 20-26.....	2		
Carver.....	June 1-5.....	1		
Dodge.....	July 4-Sept. 25.....	5		
Faribault.....	June 6-17.....	2		
Fillmore.....	June 6-12.....	1		
Goodhue.....	July 25-31.....	1		
Hennepin.....	June 1-Oct. 2.....	45		
Houston.....	July 25-31.....	1		
Lac qui Parle.....	June 1-19.....	4		
Mille Lacs.....	June 1-5.....	1		
Otter Tail.....	June 1-Sept. 18.....	8		
Ramsey.....	June 1-Oct. 2.....	59		
Redwood.....	Aug. 15-21.....	1		
Rock.....	Aug. 29-Sept. 4.....	1		
St. Louis.....	June 21-Sept. 18.....	13		
Wadena.....	July 11-Aug. 7.....	3		
Yellow Medicine.....	June 1-26.....	35		
Total for State.....		183	2	
<b>*Missouri:</b>				
Kansas City.....	June 1-Aug. 31.....	22	1	
St. Louis.....	June 18-Sept. 2.....	2		
Total for State.....		24	1	
<b>Montana:</b>				
Counties—				
Beaverhead.....	July 1-31.....	1		June 1-30, no cases.
Cascade.....	do.....	1		
Jefferson.....	do.....	4		
Park.....	do.....	1		
Powell.....	do.....	2		
Silver Bow.....	do.....	3		
Teton.....	do.....	3		
Yellowstone.....	do.....	1		
Total for State.....		16		
<b>*Nebraska:</b>				
Lincoln.....	Feb. 1-Sept. 30.....	201		July 1-31, no cases.
Omaha.....	June 19-Aug. 19.....	4		
South Omaha.....	Aug. 20-26.....	1		
Total for State.....		206		
New Hampshire.....	June 9-Sept. 30.....	45		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Nov. 17, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
New Jersey.....				No cases in June and August.
Counties—				
Cumberland.....	Sept. 1-30.....	1		
Middlesex.....	July 1-31.....	1		
Total for State.....		2		
New York.....	June 1-30.....	1		
Counties—				
Albany.....	Sept. 1-30.....	2		
Cattaraugus.....	July 1-Sept. 30.....	9		
Erie.....	June 1-Sept. 30.....	19		
Clinton.....	June 1-30.....	1		
Franklin.....	do.....	1		
Jefferson.....	Aug. 1-31.....	1		
Monroe.....	June 1-30.....	4		
Onondaga.....	June 1-Aug. 31.....	10		
Otsego.....	June 1-30.....	1		
St. Lawrence.....	do.....	4		
Schoharie.....	July 1-31.....	11		
Steuben.....	July 1-Sept. 30.....	9		
Tioga.....	June 1-30.....	1		
Ulster.....	do.....	5		
Wayne.....	July 1-31.....	1		
Wyoming.....	do.....	1		
Total for State.....		81		
North Carolina:				
Counties—				
Alamance.....	June 1-July 31.....	2		
Anson.....	Sept. 1-30.....	16		
Avery.....	June 1-July 31.....	56		
Bertie.....	do.....	2		
Catawba.....	June 1-Sept. 30.....	3		
Chatham.....	June 1-Aug. 31.....	2		
Craven.....	do.....	3		
Cumberland.....	June 1-Sept. 30.....	9		
Currituck.....	July 1-31.....	1		
Duplin.....	do.....	3		
Durham.....	July 1-Aug. 31.....	5		
Edgecombe.....	June 1-30.....	4		
Forsyth.....	Sept. 1-30.....	1		
Granville.....	July 1-Sept. 30.....	29		
Gulford.....	Aug. 1-31.....	3		
Harnett.....	Aug. 1-Sept. 30.....	3		
Haywood.....	June 1-Sept. 30.....	4		
Henderson.....	June 1-30.....	4		
Hoke.....	Sept. 1-30.....	1		
Johnston.....	July 1-31.....	1		
Lincoln.....	Sept. 1-30.....	1		
McDowell.....	Aug. 1-31.....	1		
Mecklenburg.....	July 1-Sept. 30.....	10		
Mitchell.....	Sept. 1-30.....	1		
New Hanover.....	June 1-July 31.....	7		
Pasquotank.....	June 1-30.....	2		
Randolph.....	Sept. 1-30.....	1		
Robeson.....	July 1-Sept. 30.....	16		
Rockingham.....	Sept. 1-30.....	2		
Rowan.....	June 1-July 31.....	2		
Sampson.....	July 1-31.....	1		
Vance.....	Aug. 1-Sept. 30.....	20		
Warren.....	July 1-Aug. 31.....	11		
Watauga.....	June 1-30.....	2		
Wayne.....	July 1-31.....	1		
Wilmington.....	do.....	3		
Yancey.....	Sept. 1-30.....	2		
Total for State.....		235		
North Dakota:				
Counties—				
Billings.....	June 1-July 31.....	8		
Cass.....	Aug. 1-Sept. 30.....	5		
Cavalier.....	Sept. 1-30.....	4		
Grand Forks.....	do.....	2		
Lamoure.....	July 1-Sept. 30.....	7		
McKenzie.....	Aug. 1-31.....	1		
Morton.....	June 1-30.....	1		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Nov. 17, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>North Dakota—Continued.</b>				
<b>Counties—Continued.</b>				
Mountrail.....	June 1-30.....	6		
Nelson.....	Aug. 1-31.....	4		
Ward.....	June 1-30.....	1		
Total for State.....		39		
<b>Ohio:</b>				
<b>Counties—</b>				
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-Aug. 31.....	19		
Licking.....	July 1-31.....	1		
Lorain.....	do.....	5		
Lucas.....	July 1-Aug. 31.....	6		
Pickaway.....	July 1-31.....	3		
Ross.....	Aug. 1-31.....	9		
Sandusky.....	June 1-30.....	4		
Total for State.....		123		
<b>Oklahoma:</b>				
<b>Counties—</b>				
Bryan.....	June 1-30.....	1		
Caddo.....	May 1-31.....	1		
Carter.....	June 1-30.....	1		
Cleveland.....	May 1-June 30.....	49		
Comanche.....	June 1-Aug. 31.....	9		
Craig.....	June 1-30.....	6		
Custer.....	May 1-31.....	5		
Dewey.....	do.....	6		
Ellis.....	June 1-30.....	3		
Garvin.....	May 1-31.....	19		
Haskell.....	May 1-July 31.....	9		
Hughes.....	May 1-Aug. 31.....	9		
Jefferson.....	May 1-June 30.....	7		
Johnson.....	May 1-31.....	3		
Kay.....	do.....	6		
Kingfisher.....	do.....	1		
Kiowa.....	do.....	1		
Le Flore.....	May 1-June 30.....	3		
Logan.....	June 1-30.....	1		
McClain.....	May 1-31.....	18		
McIntosh.....	do.....	1		
Nowata.....	May 1-June 30.....	2		
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		
Rogers.....	July 1-31.....	1		
Seminole.....	May 1-June 30.....	16		
Sequoyah.....	Aug. 1-31.....	3		
Tulsa.....	May 1-Aug. 31.....	11		
Wagoner.....	May 1-31.....	1		
Washington.....	June 1-30.....	1		
Washita.....	May 1-June 30.....	2		
Woodward.....	May 1-31.....	1		
Total for State.....		225		
<b>Oregon:</b>				
<b>Counties—</b>				
Baker.....	June 1-30.....	1		
Benton.....	May 1-31.....	1		
Cass.....	Aug. 1-31.....	1		
Douglas.....	Apr. 1-30.....	1		
Grant.....	Aug. 1-31.....	3		
Josephine.....	do.....	1		
Linn.....	Apr. 1-July 31.....	2		
Morrow.....	May 1-31.....	1		
Multnomah.....	Apr. 1-July 31.....	15		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Nov. 17, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Oregon—Continued.</b>				
<b>Counties—Continued.</b>				
Union.....	June 1-30.....	1		
Wasco.....	do.....	8		
Washington.....	Apr. 1-June 30.....	7		
Yamhill.....	June 1-30.....	1		
Total for State.....		43		
Pennsylvania.....	May 1-June 30.....	79		
*Rhode Island:				
Providence.....	June 15-July 14.....	3		
*South Carolina:				
Port Royal.....	July 22.....	1		
<b>South Dakota:</b>				
<b>Counties—</b>				
Aurora.....	June 1-July 31.....	3		
Beadle.....	May 1-31.....	13		
Brookings.....	Apr. 1-30.....	9		
Brown.....	Apr. 1-June 30.....	10		
Brule.....	Apr. 1-May 21.....	6		
Charles Mix.....	June 1-30.....	1		
Codington.....	June 1-Aug. 31.....	8		
Davison.....	May 1-July 31.....	7		
Day.....	June 1-30.....	1		
Dewey.....	June 1-Aug. 31.....	5		
Fall River.....	Apr. 1-May 31.....	18		
Grant.....	do.....	4		
Hamilton.....	Sept. 1-30.....	1		
Hanson.....	May 1-31.....	1		
Hughes.....	June 1-30.....	1		
Hutchinson.....	Apr. 1-Sept. 30.....	4		
Jerauld.....	May 1-June 30.....	6		
Kingsbury.....	Apr. 1-May 31.....	8		
Lawrence.....	Apr. 1-July 31.....	7		
Lincoln.....	do.....	1		
Lyman.....	Apr. 1-May 31.....	16	1	
McCook.....	do.....	11		
Miner.....	Apr. 1-June 30.....	5		
Minnehaha.....	do.....	15		
Pennington.....	do.....	48		
Roberts.....	Sept. 1-30.....	1		
Sanborn.....	May 1-31.....	3		
Spink.....	Apr. 1-Aug. 31.....	9		
Tripp.....	Apr. 1-Sept. 30.....	12		
Turner.....	July 1-31.....	5		
Total for State.....		239	1	
<b>Tennessee:</b>				
<b>Counties—</b>				
Knox—				
Knoxville.....	June 18-July 22.....	9		
Shelby.....	June 1-Aug. 31.....	10		
Total for State.....		19		
<b>Texas.....</b>				
	May 1-31.....	12		
	July 1-31.....	1	1	
<b>Counties—</b>				
Brazoria.....	Aug. 1-Sept. 30.....	5		
Bell.....	June 1-30.....	2		
Cameron.....	May 1-Aug. 31.....	34		
Childress.....	June 1-30.....	1		
Collin.....	May 1-31.....	5		
Dallas.....	do.....	13		
Denton.....	Apr. 1-May 31.....	5		
Eastland.....	Aug. 1-31.....	5		
El Paso.....	May 1-July 31.....	11		
Floyd.....	May 1-31.....	3		
Galveston.....	May 1-June 30.....	7		
Hale.....	Sept. 1-30.....	1		
Hall.....	May 1-June 30.....	4		
Harris.....	May 1-Aug. 31.....	6		
Hidalgo.....	May 1-31.....	3		
Hunt.....	June 1-July 31.....	5		
Marion.....	May 1-31.....	1		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Nov. 17, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Texas—Continued.</b>				
<b>Counties—Continued.</b>				
McLennan.....	May 1-31.....	1		
Navarro.....	do.....	32		
Nueces.....	do.....	5		
Tarrant.....	May 1-June 30.....	9		
Titus.....	May 1-31.....	5		
Victoria.....	July 1-31.....	1		
Wayne.....	June 1-30.....	5		
Wharton.....	Sept. 1-30.....	1		
Wichita.....	May 1-31.....	6		
Total for State.....		189	1	
<b>Utah:</b>				
<b>Counties—</b>				
Beaver.....	May 1-July 31.....	18		
Boxelder.....	do.....	31		
Cache.....	May 1-June 30.....	14		
Carbon.....	May 1-Sept. 30.....	118	2	
Emery.....	do.....	93	1	
Garfield.....	May 1-Aug. 31.....	20		
Juab.....	July 1-Sept. 30.....	6		
Piute.....	May 1-31.....	9		
Rich.....	July 1-31.....	16		
Salt Lake.....	May 1-Sept. 30.....	41		
Sanpete.....	do.....	65		
Sevier.....	do.....	50		
Tooele.....	May 1-June 30.....	33		
Uinta.....	May 1-Sept. 30.....	18		
Utah.....	May 1-July 31.....	18	1	
Washington.....	do.....	1		
Weber.....	do.....	11		
Total for State.....		562	4	
<b>Virginia:</b>				
<b>Counties—</b>				
Augusta.....	Aug. 1-Sept. 30.....	4		
Brunswick.....	Mar. 1-May 31.....	49		
Campbell.....	May 1-Aug. 31.....	2		
Chesterfield.....	Sept. 1-30.....	1		
Dinwiddie.....	Apr. 1-May 31.....	19		
Essex.....	Aug. 1-31.....	1		
Fairfax.....	Mar. 1-Aug. 31.....	6		
Fauquier.....	Apr. 1-May 30.....	6		
Grayson.....	Sept. 1-30.....	2		
Greenville.....	July 1-31.....	4		
Hallfax.....	Aug. 1-31.....	1		
Hanover.....	Mar. 1-July 31.....	3		
Henrico.....	Mar. 1-Aug. 31.....	17		
Henry.....	do.....	77		
Isle of Wight.....	May 1-31.....	1		
Lancaster.....	do.....	1		
Lee.....	Mar. 1-Aug. 31.....	107		
Loudoun.....	Mar. 1-31.....	1		
Mecklenburg.....	Mar. 1-June 30.....	18		
Nansemond.....	Mar. 1-Sept. 30.....	27		
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-Sept. 30.....	12		
Spottsylvania.....	Sept. 1-30.....	1		
Surry.....	Mar. 1-31.....	2		
Sussex.....	Mar. 1-June 30.....	7		
Wise.....	do.....	15		
Total for State.....		468		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Nov. 17, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Washington:</b>				
Counties—				
Adams.....	June 1-30.....	1		
Benton.....	July 1-31.....	2		
Chehalis.....	May 1-Aug. 31.....	5		
Chelan.....	.....do.....	3		
Clallam.....	June 1-30.....	2		
Columbia.....	May 1-31.....	5		
Cowlitz.....	May 1-July 31.....	4		
Garfield.....	.....do.....	5		
King.....	May 1-June 30.....	92		
Kitsap.....	June 1-30.....	2		
Kittitas.....	July 1-31.....	2		
Lewis.....	June 1-30.....	2		
Mason.....	May 1-June 30.....	33		
Okanogan.....	June 1-30.....	2		
Pierce.....	May 1-July 31.....	11		
San Juan.....	May 1-31.....	1		
Skagit.....	May 1-July 31.....	5		
Skamania.....	June 1-30.....	1		
Spokane.....	May 1-Aug. 31.....	15		
Thurston.....	May 1-31.....	1		
Whatcom.....	.....do.....	5		
Whitman.....	.....do.....	17		
Yakima.....	May 1-Aug. 31.....	90		
Total for State.....		306		
<b>Wisconsin:</b>				
Counties—				
Ashland.....	June 1-30.....	1		July 1-31, no cases.
Barron.....	June 1-Aug. 31.....	4		
Bayfield.....	Oct. 1-31.....	1		
Douglas.....	June 1-Oct. 31.....	50		
Iowa.....	June 1-30.....	8		
Milwaukee.....	.....do.....	1		
Pierce.....	Aug. 1-Sept. 30.....	10		
Vilas.....	June 1-30.....	1		
Winnepago.....	Oct. 1-31.....	1		
Wood.....	June 1-Oct. 31.....	13		
Total for State.....		90		
Grand total for the United States.....		4,674	34	

## PLAGUE IN THE UNITED STATES.

Reports Received from July 25 to Nov. 17, 1911.

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

MORBIDITY AND MORTALITY.

Morbidity and Mortality Table, Cities of the United States, for Week Ended Nov. 4, 1911.

Cities.	Population, United States census 1910.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Small-pox.		Tuberculosis.		Typhoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<i>Cities having over 500,000 inhabitants.</i>														
Baltimore, Md.	558,485	184	29	3	3	27					29	23	20	3
Boston, Mass.	670,585	174	56	2	22	1	28				49	21	19	
Chicago, Ill.	2,185,283		213	25	15		90	4			205	68	31	2
Cleveland, Ohio.	560,663		70	3	4		29	4			25	13	10	1
New York, N. Y.	4,766,883	1,284	222	19	113	2	105	3			391	154	106	15
Philadelphia, Pa.	1,549,008		422	88	7	5	32	1			110	51	20	5
Pittsburgh, Pa.	533,905		169	63	6	5	1	16			16	9	14	8
St. Louis, Mo.	687,029		209	42	2	1		12			37	18	15	2
<i>Cities having from 300,000 to 500,000 inhabitants.</i>														
Buffalo, N. Y.	423,715		115	36	1	2		14	3	1	13	7	5	
Cincinnati, Ohio	364,463		121	24	3			15		2	23	18	3	1
Detroit, Mich.	465,766		131	44	6			11	1	1				
Los Angeles, Cal.	319,198		75	11		2		8			10	10	4	
Milwaukee, Wis.	373,857		97	24	6	7		1	1		13	2	10	1
New Orleans, La.	339,075		122	7	1	3		15		1	30	15	8	1
San Francisco, Cal.	416,912		123	3		69	1	4			28	9	9	3
Washington, D. C.	331,069		100	12	2	4		3			24	11	30	1
<i>Cities having from 200,000 to 300,000 inhabitants.</i>														
Denver, Colo.	213,381		58	23	3	1		11				13		2
Jersey City, N. J.	267,779		64		1		1					7		2
Providence, R. I.	224,326			14	2	1		4			19	5	7	1
Seattle, Wash.	237,194		55	23		2		6			8	8	8	2
<i>Cities having from 100,000 to 200,000 inhabitants.</i>														
Bridgeport, Conn.	102,054		30	4				3			2	2	1	
Cambridge, Mass.	104,839		20	9		1		3			7	3	1	
Dayton, Ohio.	116,577		33	1									1	
Fall River, Mass.	119,295		40	6		1		1			4	3		
Grand Rapids, Mich.	112,571		21	3			4				1		3	
Lowell, Mass.	106,294		30	2		2		7			2	1	2	
Nashville, Tenn.	110,364		5				10				3	5	6	1
Omaha, Nebr.	124,096		25	16			3		1			1		
Spokane, Wash.	104,402		4			1		5			2	1	12	2
Toledo, Ohio.	168,497		56	7		1		6			2	6	6	1
Worcester, Mass.	145,986		34	17		1		6			5	4	1	
<i>Cities having from 50,000 to 100,000 inhabitants.</i>														
Altoona, Pa.	52,127		6	7									1	1
Bayonne, N. J.	55,545		16	5		1					1		1	1
Brockton, Mass.	56,878		15					1			3	4		
Camden, N. J.	94,588		2					1						
Covington, Ky.	53,270		27	4								3	2	
Duluth, Minn.	78,466		16	2				5		7	2	2	4	
Elizabeth, N. J.	73,409		20	4		1		3			2	2	2	
Erie, Pa.	66,525		10	13		1	2	3			1	1	1	
Evansville, Ind.	69,647		25	1		1					1	2	3	
Harrisburg, Pa.	64,186		19	12								2		
Hartford, Conn.	98,915		21	6		1		1			1	2		
Hoboken, N. J.	70,324			4							7		1	
Houston, Tex.	78,900		27	1				7				4		1
Johnstown, Pa.	55,482		24	1				4	1		3	1	1	
Kansas City, Kans.	82,331			5				1			1		2	
Lawrence, Mass.	85,892		30	1		1		3			8	5	1	
Lynn, Mass.	89,336		11	5				2			4	3	1	
Manchester, N. H.	70,063		18	5				1			3	3	1	
New Bedford, Mass.	96,652		32	6		2	1	1			7	6	1	1
Oklahoma City, Okla.	64,205		10	1				1			1	1	3	2
Passaic, N. J.	54,773		15	3							1	1		
Peoria, Ill.	66,950		22	6							3	2		1





MORBIDITY AND MORTALITY—Continued.

Morbidity and mortality table, cities of the United States, for week ended Nov. 4, 1911—Continued.

Cities.	Popula- tion, United States census 1910.	Total deaths from all causes.	Diph- theria.		Measles.		Scarlet fever.		Small pox.		Tuber- culosis.		Ty- phoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<i>Cities having less than 25,000 inhabitants.</i>														
Ann Arbor, Mich. ....	14, 817	9	4				1							
Beaver Falls, Pa. ....	12, 191	2	3							2				
Bennington, Vt. ....	2	2	1		4		3							
Braddock, Pa. ....	19, 597	2	7							2				
Butler, Pa. ....	20, 728	13	5	1									2	
Cambridge, Ohio. ....	11, 327	3					1							
Camden, S. C. ....							3							
Carbondale, Pa. ....	17, 040	3					1							
Clinton, Mass. ....	13, 075										1			
Coffeyville, Kans. ....	12, 687												2	
Columbus, Ga. ....	20, 554	6									1			1
Columbus, Ind. ....		4	10										1	
Concord, N. H. ....	21, 497	11	1									1		
Cumberland, Md. ....	21, 839	7	10		1								13	2
Dunkirk, N. Y. ....		6	2	1			2			1	1	1		
Galesburg, Ill. ....	22, 089	16	7				1			2	1	1		1
Greensboro, N. C. ....	15, 859	5								1	1	1		
Harrison, N. J. ....	14, 498	3									1			
Homestead, Pa. ....	18, 713		7								1			
Hyde Park, Mass. ....	15, 507	2					1							
Kearny, N. J. ....	18, 659	6					1							
La Fayette, Ind. ....	12, 081	5					1			1				
Lebanon, Pa. ....	19, 240	7	7											
Marinette, Wis. ....	14, 610	1			7		1						2	
Marlboro, Mass. ....	14, 479	6	3										1	
Massillon, Ohio. ....	13, 879	1	1											3
Medford, Mass. ....	23, 150	3	1				1				1	2		
Melrose, Mass. ....	15, 715	1					2							
Moline, Ill. ....	24, 199	1	1	1			1							
Montclair, N. J. ....	21, 150	4	3				5					1		
Morristown, N. J. ....	12, 507	6	1											
Nanticoke, Pa. ....	18, 877	3			4									
Newburyport, Mass. ....	19, 940	4												1
North Adams, Mass. ....	22, 019	7										1	1	
Northampton, Mass. ....	19, 431	5					1					1		
Ottumwa, Iowa. ....	22, 012	10										1		2
Palmer, Mass. ....		2												
Palo Alto, Cal. ....		3			1									
Peekskill, N. Y. ....		4					2							1
Plainfield, N. J. ....	20, 550	4									3	2		
Pottstown, Pa. ....		4									1		1	
Saratoga Springs, N. Y. ....		6									1	1	1	
South Bethlehem, Pa. ....	19, 973	8	1		1		1				1	1	1	1
Steelton, Pa. ....	14, 246	5	5	1							2			
Warren, Pa. ....	11, 080	3	1											
Wilkinsburg, Pa. ....	18, 924	6	2				2							1
Woburn, Mass. ....	15, 308	4												1

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

Iowa.—Month of September, 1911. Population 2,224,771. Total number of deaths from all causes 1,515, including diphtheria 12, measles 1, scarlet fever 2, tuberculosis 128, typhoid fever 26.

LOUISIANA.—Three months ended August 31, 1911. Population 1,656,388. Total number of deaths from all causes 2,139, including diphtheria 10, measles 5, scarlet fever 43, smallpox 5, tuberculosis 47, typhoid fever 78.

MARYLAND.—Month of September, 1911. Population 1,295,346. Total number of deaths from all causes 951, including diphtheria 4, tuberculosis 89, typhoid fever 59. Cases reported: Diphtheria 54, measles 9, scarlet fever 40, typhoid fever 436. The typhoid fever cases were distributed as follows: Potomac River watershed 191, Patapsco River watershed 41, Patuxent River watershed 22, Susquehanna River watershed 3, Choptank River watershed 2, Herring Run watershed 7, Baltimore City water system 18.

NEW YORK.—Month of September, 1911. Population 9,113,614. Total number of deaths from all causes 10,544, including diphtheria 103, measles 23, scarlet fever 21, tuberculosis 1,169, typhoid fever 155. Cases reported: Diphtheria 1,147, measles 465, scarlet fever 442, smallpox 9, tuberculosis, pulmonary, 2,231, typhoid fever 1,135.

# FOREIGN AND INSULAR.

## HAWAII.

### Record of Plague Infection.

The last case of human plague at Honolulu occurred July 12, 1910.

The last plague-infected rat was found at Aiea, 9 miles from Honolulu, April 12, 1910.

A case of human plague was reported at Kapulena, Hawaii, October 28, 1911.

At Hilo the last case of human plague occurred March 23, 1910.

A fatal case occurred at Honokaa, 60 miles from Hilo, April 20, 1911.

The last plague-infected rat was found at Honokaa February 2, 1911. A plague-infected rat was found at Hilo during the week ended June 10, 1911.

Chief Quarantine Officer Ramus reports, October 30:

### Honolulu—Plague-Prevention Work.

*Week ended October 28, 1911.*

Total rats and mongoose taken.....	618
Rats trapped.....	596
Mongoose trapped.....	12
Rats killed by sulphur dioxide.....	10
Examined bacteriologically.....	541
Classification of rat trapped:	
<i>Mus alexandrinus</i> .....	72
<i>Mus musculus</i> .....	177
<i>Mus norvegicus</i> .....	39
<i>Mus rattus</i> .....	308
Classification of rats killed by sulphur dioxide:	
<i>Mus rattus</i> .....	10
Average number of traps set daily.....	1,720

## INDIA.

### Calcutta—Cholera and Plague.

Acting Asst. Surg. Allan reports October 19: During the week ended September 30, 12 deaths from cholera and 6 from plague were reported in Calcutta; in all Bengal, 69 cases of plague and 146 deaths; in all India, 10,533 cases with 7,906 deaths.

## ITALY.

### Status of Cholera.

Surg. Geddings at Naples reports, October 25: During the period from October 8 to 14 cholera was reported in Italy as follows: Naples, City, 1 case with 1 death; Naples Province, 5 cases with 4 deaths; Genoa Province, 3 cases with 1 death; Palermo City, 7 cases with 1 death; Palermo Province, 3 cases with 1 death; Catania City, 5 cases; Catania Province, 3 cases; Rome Province, 13 cases with 5 deaths; in 22 other Provinces, 208 cases with 75 deaths.

## Decrease of Cholera in Northern Italy.

Passed Asst. Surg. King at Genoa reports, November 6: The official cholera bulletin for the week ended October 28 shows the occurrence of 3 cases with 2 deaths in the Province of Genoa. These occurred at 2 localities in the vicinity of Genoa and at 1 locality in the vicinity of Spezia. In all other Provinces north of Rome there were reported during the same period 9 cases with 7 deaths, occurring as follows: In Bergamo, 2 cases with 1 death; in Forli, 1 case; in Rovigo, 4 cases; in Venice, 2 cases and 6 deaths.

## Naples—Examination of Emigrants.

Dr. Geddings further reports:

*Vessels inspected at Naples and Palermo, week ended Oct. 21.*

## NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage disinfected.	Pieces of second-cabin baggage disinfected.
Oct. 16	Ancona.....	Philadelphia.....	931	1,570	135
17	Marianne.....	New York.....			
20	Prinzess Irene.....	do.....	524	890	175
20	Principe di Piemonte.....	do.....	339	540	35
21	Madonna.....	do.....	525	680	
21	Duca degli Abruzzi.....	do.....	983	1,660	95
	Total.....		3,302	5,340	440

## PALERMO.

Oct. 21	Prinzess Irene.....	New York.....	242	500	100
21	Principe di Piemonte.....	do.....	255	580	65
	Total.....		497	1,080	165

## PERU.

## Callao—Plague.

Acting Asst. Surg. Castro-Gutierrez reports October 31: Two cases of plague with 1 death were reported at Callao from September 22 to 28, and from October 5 to 29, 2 cases.

## VENEZUELA.

## Plague and Yellow Fever at Caracas.

Information received from the sanitary commission at Caracas shows the occurrence of 3 cases of plague and 9 cases of yellow fever at Caracas during the week ended October 14, and during the week ended October 21, 5 cases of yellow fever.

# CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.

Reports Received During Week Ended Nov. 24, 1911.

[These tables include cases and deaths recorded in reports received by the Acting 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.
Algeria:				
Algiers.....	Sept. 1-30.....	1	1	
Ceylon:				
Colombo.....	Oct. 1-7.....	1	1	
Egypt:				
Alexandria.....	Aug. 1-Sept. 30....	3	3	Of these two cases in Sept. were from s. s. Saidieh from Constantinople.
India:				
Calcutta.....	Sept. 24-30.....		12	
Indo-China:				
Saigon.....	Sept. 18-24.....	3	3	
Italy.....	Oct. 8-14.....			Total: Cases, 249; deaths, 89.
Provinces—				
Catania.....	Oct. 8-14.....	5		
Catania.....	do.....	3		
Genoa.....	do.....	3	1	
Genoa.....	do.....		1	
Naples.....	do.....	6	4	
Naples.....	do.....	1	1	
Palermo.....	do.....	3	1	
Palermo.....	do.....	7	1	
Rome.....	do.....	13	5	
22 other provinces.....	do.....	208	75	
Italy.....	Oct. 15-21.....			Total: Cases, 247; deaths, 105.
Provinces—				
Catania.....	Oct. 15-21.....	11	2	
Catania.....	do.....	9	1	
Genoa.....	do.....	1	1	
Genoa.....	do.....	3	2	
Naples.....	do.....	6	2	
Naples.....	do.....	1		
Palermo.....	do.....	6	1	
Palermo.....	do.....	6	2	
Rome.....	do.....	10	1	
19 other provinces.....	do.....	194	93	
Java:				
Batavia.....	Oct. 1-7.....	12	5	
Siam:				
Bangkok.....	Sept. 5-Oct. 7.....		26	
Turkey in Asia:				
Kharput.....	Oct. 8-14.....	5	2	

## YELLOW FEVER.

Brazil:				
Manaos.....	Oct. 15-21.....		1	
Pernambuco.....	Oct. 16-30.....		2	
Venezuela:				
Caracas.....	Oct. 8-24.....	14		

## PLAGUE.

Brazil:				
Pernambuco.....	Sept. 16-30.....		4	
India:				
Calcutta.....	Sept. 24-30.....		6	
Indo-China:				
Saigon.....	Sept. 18-Oct. 1....	10	2	
Java:				
Pasoeroean Residency.....	Oct. 1-7.....	20	7	
Peru:				
Departments—				
Arequipa.....				Sept. 5, present in Mollendo.
Callao.....	July 23-Sept. 16....	9	6	
Chiclayo.....	do.....	8	5	
Libertad.....	do.....	9	4	
Lima.....	do.....	26	17	
Siam:				
Bangkok.....	Sept. 5-Oct. 7.....		1	
Venezuela:				
Caracas.....	Oct. 8-14.....	3		

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

Reports Received During Week Ended Nov. 24, 1911.

## SMALLPOX.

Places.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers.....	Sept. 1-30.....		2	
Argentina:				
Buenos Aires.....	Aug. 1-31.....		9	
Brazil:				
Para.....	Oct. 22-28.....	1		
Pernambuco.....	Sept. 16-30.....		105	
Canada:				
Quebec.....	Nov. 5-11.....	14		
Chile:				
Antofagasta.....	Sept. 2.....	15	6	
Egypt:				
Alexandria.....	Aug. 1-31.....	1		
	Sept. 1-30.....	2		
Germany.....				Total, Oct. 29-Nov. 4: Cases, 4.
Indo-China:				
Saigon.....	Sept. 18-Oct. 1.....	5	1	
Italy:				
Genoa.....	Oct. 16-31.....	7		
Leghorn.....	Oct. 22-28.....	1		
Naples.....	Oct. 15-28.....	15		
Palermo.....	Oct. 15-21.....	217	210	
Portugal:				
Lisbon.....	Oct. 22-28.....	2		
Mexico:				
Juarez.....	Nov. 5-11.....	2		
Mazatlan.....	Nov. 1-7.....		1	
Porfirio Diaz.....	Oct. 29-Nov. 11.....	6	6	
Tampico.....	Oct. 21-31.....		1	
Russia:				
Riga.....	Oct. 15-28.....	3		
Siam:				
Bangkok.....	Sept. 5-Oct. 7.....		54	
Spain:				
Seville.....	Oct. 1-31.....		6	
Valencia.....	Oct. 22-28.....	8		
Turkey in Europe:				
Constantinople.....	Oct. 23-29.....		1	

## Reports Received from July 1 to Nov. 17, 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-Sept 17, 73 cases, 30 deaths. District of Zara.
Arbe Salle Sampiero.....	Aug 21-Sept 17.....	6	3	
Budafolk.....	Sept. 9-16.....	1		
Budapest.....	Aug. 24-Sept. 30.....	15	4	
Capodistria.....	July 23-Sept. 10.....	9	5	
Cattaro.....	July 6-20.....	4	1	
Cittanuova.....	Aug. 21-27.....	1	1	
Czarp.....	Aug. 24-Sept. 9.....	1		
Draga.....	Sept. 7.....	1		
Fiume.....	Aug. 9-17.....	3		
Krimeja.....	Sept. 7.....	1		
Krizovljan.....	Aug. 28-Sept. 3.....	2		
Muggia.....	Aug. 7-13.....	2	1	
Nagykeszi.....	Sept. 9-16.....	3		
Prellenkirchen.....	Sept. 18-24.....	1	1	
Suly.....	Sept. 2-9.....	3	1	
Susac-Draga.....	Aug. 28-Sept. 7.....	2		
Trieste.....	June 4-Aug. 26.....	42	16	July 8, the second case from s. s. Oceania. Case July 21, from s. s. Bandiera Moro.

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

Reports Received from July 1 to Nov. 17, 1911.

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Austria-Hungary—Continued.</b>				
Torokbecse.....	Oct. 1-7.....	27	15	
Ujpest.....	Aug. 24-Sept. 30....	34	5	
Vienna.....	Aug. 14-Sept. 17....	5	2	
Vukovar.....	Sept. 8-9.....	2	2	
Waltendorf.....	May 31.....	1		Second case. Near Gratz.
<b>Bulgaria:</b>				
Kalondjik.....	June 18-20.....	1	1	Vicinity of Choumen. From the ship Cyrille, bound from the coast of Asia Minor.
Sosopolis.....	Sept. 16-Oct. 7....	20		
Varna.....	July 4-Aug. 5.....	2	2	From Asia Minor via Constanti- nople.
<b>Ceylon:</b>				
Colombo.....	May 21-Sept. 30....	17	12	
<b>China:</b>				
Amoy.....	May 28-July 1.....		4	Aug. 5, present.
Hankow.....	July 22.....			Present.
Hoihow.....	June 2.....			Do.
<b>Manchuria—</b>				
Dalny.....	Aug. 19-Sept. 2....	35	19	Sept. 5, present.
Kinchow.....	Aug. 15-Sept. 2....	10		
Nanking.....	July 22-Aug. 19....			Present.
Swatow.....	July 22-Aug. 26....			Do.
<b>Dutch East Indies.</b>				
<b>Java—</b>				
Batavia.....	May 14-Sept. 30....	284	226	
Beloe.....	June 15-28.....			Present.
Surabaya.....	Apr. 10-May 6.....	44	22	
<b>France:</b>				
Marseille.....	June 26-Sept. 30....		193	Number of cases occurring from Sept. 1 to 20 not reported.
Do.....	Sept. 21-28.....	20		
<b>Greece:</b>				
Laurium.....	July 5-8.....	3	1	Case July 5, from a German ves- sel via Naples.
Piræus, quarantine station.	July 30-Aug. 8.....	3		Case July 30, from s. s. Margarita.
<b>India:</b>				
Bassein.....	May 7-July 8.....	2	2	
Bombay.....	June 25-Sept. 23....	4	5	
Calcutta.....	May 7-Sept. 23....		505	
Madras.....	June 4-Oct. 14.....	47	31	Madras Presidency. May 1-Sept. 30: Cases 29,517; deaths, 17,883.
Moulmine.....	May 7-June 17.....	4	4	
Negapatam.....	June 11-July 15....		35	
Rangoon.....	May 1-June 30.....	31	26	
<b>Indo-China:</b>				
Saigon.....	May 15-Sept. 17....	87	57	And vicinity.
<b>Italy.....</b>				
Total for Italy, June 8-Oct. 21: Cases, 15,317; deaths, 5,690.				
<b>Provinces—</b>				
Alessandria.....	Aug. 1-Oct. 7.....	115	33	
Ancona.....	Sept. 17-Oct. 7....	8	2	
Aquila.....	Aug. 1-Oct. 14.....	124	57	
Ascoli.....	Sept. 23-30.....	1		
Avellino.....	July 12-Oct. 21....	234	87	
Bari.....	Aug. 27-Oct. 21....	502	105	
Benevento.....	July 22-Sept. 16....	96	24	
Bergamo.....	Aug. 27-Oct. 21....	118	20	
Bologna.....	Aug. 27-Sept. 30....	30	7	
Cagliari.....	Aug. 27-Oct. 21....	191	59	
Caltanissetta.....	July 17-Oct. 21....	332	84	
Campobasso.....	July 17-Oct. 21....	765	305	
Carrara.....	Sept. 24-30.....	10	2	
Caserta.....	June 18-Oct. 21....	1,926	731	
Catania.....	July 22-Oct. 21....	860	361	
Catanzaro.....	July 26-Oct. 21....	162	80	
Chieti.....	Aug. 1-Oct. 7.....	117	51	
Casoria.....	Sept. 3-9.....	125	87	
Cosenza.....	Aug. 20-Sept. 25....	107	56	
Ferrara.....	Aug. 27-Oct. 21....	50	30	
Florence.....	Sept. 3-Oct. 21....	6	1	
Foggia.....	Aug. 20-Oct. 21....	203	104	
Forlì.....	Aug. 27-Oct. 21....	47	18	
Genoa.....	July 21-Oct. 21....	400	123	
Genoa city.....	July 13-Oct. 21....	279	133	
Girgenti.....	July 22-Oct. 21....	240	83	



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

Reports Received from July 1 to Nov. 17, 1911.

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Italy—Continued.</b>				
<b>Provinces—Continued.</b>				
Lecce .....	Aug. 27-Oct. 14. ....	121	36	
Leghorn.....	July 13-Sept. 25 .....	768	380	
Lucca.....	Aug. 1-Sept. 16. ....	10	3	
Massa.....	Aug. 13-Oct. 7. ....	87	47	
Messina.....	July 17-Oct. 21. ....	199	59	
Milan.....	Aug. 27-Oct. 14. ....	20	6	
Naples.....				The Province outside of Naples, June 10-Oct. 21, 1,353 cases, 571 deaths.
Naples, city.....	June 11-Oct. 21. ....	951	271	
Novara.....	Sept. 24-30. ....	4	4	
Padua.....	Aug. 27-Sept. 25. ....	9	4	
Palermo.....	June 18-Oct. 21. ....	459	219	
Palermo, city.....	June 15-Oct. 21. ....	1,439	452	
Pesaro.....	Aug. 20-Oct. 14. ....	198	47	
Pisa.....	Aug. 20-Sept. 2. ....	18	8	
Potenza.....	July 31-Sept. 9. ....	55	13	
Reggio di Calabria.....	Aug. 6-Oct. 7. ....	6	2	
Reggio Emilio.....	Sept. 30. ....	1	1	
Rome.....	June 27-Oct. 21. ....	307	133	
Rovigo.....	Aug. 27-Oct. 21. ....	78	11	
Salerno.....	June 17-Oct. 21. ....	1,377	356	
Sassari.....	Sept. 16-Oct. 21. ....	8	3	
Syracuse.....	Aug. 6-Oct. 21. ....	127	44	
Teramo.....	Sept. 3-Oct. 14. ....	14	7	
Trapani.....	July 17-Oct. 7. ....	248	136	
Venice.....	Aug. 6-Oct. 21. ....	302	107	
Vicenza.....	Oct. 14. ....	1		
<b>Japan:</b>				
Kobe.....	Aug. 30-Sept. 16. ....	4	2	
Nagasaki.....	Sept. 11. ....	1		On s. s. Kasuga Maru.
Nishomayo.....	Aug. 28-Sept. 3. ....	2		
Osaka.....	Aug. 30-Sept. 16. ....	6		Do.
Malta.....	Oct. 22-28. ....	2	2	
Montenegro.....	Aug. 14-17. ....	4		Among troops.
Cettinje.....	July 29. ....	2		
<b>Persia:</b>				
Adaban.....	July 29-Sept. 4. ....	19	8	
Ahwaz.....	Aug. 13-Sept. 2. ....	128	115	
Mohammerah.....	July 28-Sept. 9. ....	211	177	Case July 28, from the cruiser Persepolis.
<b>Philippine Islands.....</b>				
Laguna.....	Aug. 6-12. ....	1		
Manila.....	July 23-29. ....	1	1	
Provinces—				
Rizal.....	do. ....	1		
Union.....	July 23-Sept. 30. ....	25	21	
Roumania.....				Total to Sept. 21: Cases, 18; deaths, 13.
Braila.....	Sept. 11. ....	6	4	Sept. 13: 3 cases and 2 deaths in a village in vicinity.
<b>Russia.....</b>				
Astrakhan, government.....	July 12-Sept. 30. ....	459	192	
Baku, government.....	Sept. 3-13. ....	7	2	
Baku, city.....	July 8-26. ....	5	1	
Bessarabia, government.....	Sept. 3-13. ....	2		
Dagestan, province.....	Aug. 13-19. ....	27		
Don Territory.....	Sept. 3-30. ....	10	3	
Jaroslav, government.....	Aug. 20-26. ....	8	3	
Kazan, government.....	Sept. 3-30. ....	10	7	
Kosmodemiansk.....	July 2. ....	1		
Kherson, government.....	May 3-July 22. ....	2		
Odessa.....	Aug. 6-12. ....	2	1	
Khuban, territory.....	Aug. 13-26. ....	1	2	
Moscow, government.....	Aug. 13-19. ....	1		
Moscow.....	Aug. 20-26. ....	1	1	
Nizhni Novgorod, govern- ment.....	Aug. 20-Sept. 2. ....	1		
Novoryssik.....	July 28-Sept. 13. ....	11	3	6 cases July 28-Aug. 6. on British s. s. Wakefield in Black Sea.

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

**Reports Received from July 1 to Nov. 17, 1911.**

**CHOLERA—Continued.**

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Russia—Continued.</b>				
Poltava, government.....	June 24.....	1	1	
Perm, government.....	Sept. 3-13.....	1	1	
Rostov on Don.....	Aug. 6-Sept. 30..	49	18	Aug. 6-12, 1 case from a Turkish ship from Trebizond.
Samara, government.....	June 29-Sept. 13..	747	407	Including Nikolayevsk.
Saratov, government.....	July 18-Sept. 30..	186	83	
Nikolayevsk.....	June 29-July 3...	15	1	
Tsantzyn.....	July 12-15.....	1	1	
<b>Siberia—</b>				
Omsk.....	June 20-26.....	2	2	
Simbirsk, government.....	Aug. 6-Sept. 30..	92	54	
<b>Taurida, government—</b>				
Stavropol.....	July 23-Aug. 19..	7	1	
Tambov, government.....	June 26-Sept. 13..	19	9	
Tver and Kursk, government.	Aug. 6-12.....	1	1	
Ufa, government.....	Sept. 13-30.....			9 cases.
<b>Vilna, government—</b>				
Disma.....	June 13.....	1	1	On the Duna.
Vitebsk, government.....	Sept. 3-13.....	1	1	
Lepel district.....	June 19.....	1	1	
Voronesh, government....	Apr. 28-Aug. 12..	5	4	
Yeketerinislav, government	July 8-19.....	2	1	
<b>Servia:</b>				
Belgrave.....	Sept. 7-21.....	4	1	
Drazevo.....	Oct. 2.....	1	1	
Grditze.....	Oct. 3.....	1	1	
Kagujevatz.....	Oct. 10.....	1	1	
Krushevatz.....	Oct. 14.....	1	1	
Rachka.....	Aug. 23-Sept. 8..	8	2	Case Aug. 23 from Beoca, Studenitz district.
Ravta.....	Aug. 30-Sept. 2..			Present.
Novo Selo.....	Oct. 15-18.....	9	2	
Suvo Selo.....	Oct. 16.....	1	1	
Semendria.....	Oct. 4-20.....	13	6	
Stubline.....	Oct. 4-10.....	4	4	
Urovvtzi.....	Oct. 4-20.....	17	11	
Yabutshye.....	Oct. 12.....	1	1	
<b>Siam:</b>				
Bangkok.....	Apr. 16-Sept. 4..		1,000	
<b>Spain:</b>				
Tarragona.....	Aug. 30.....			In vicinity.
<b>Straits Settlements:</b>				
Began Dotah.....	June 16-20.....	11	3	
Jenderata.....	July 1-8.....	20	13	
Penang.....	May 7-Aug. 12..	8	11	
Perak.....	May 16-June 21..			Present among Malays and Chinese.
Singapore.....	May 7-Sept. 30..	108	123	
<b>Tripoli:</b>				
Tripoli.....	Oct. 13.....	4		
<b>Tunis Regency:</b>				
Bizerta.....	Sept. 17-20.....	25	9	
Tunis.....	Aug. 1-7.....		6	
Do.....	Sept. 20-26.....	153	69	Total Sept. 17-26: Cases, 726. deaths, 491.
<b>Turkey in Asia:</b>				
Adana.....	Nov. 15.....			Present.
Alatsham.....	June 19.....	2		
Amara.....	June 21.....			Do.
Bagdad Vilayet.....	May 21-Oct. 14..	481	334	New outbreak.
Basra.....	July 17-Oct. 21..	361	257	Aug. 9, 1 case, s. s. Budrie.
Beirut.....	Aug. 21.....			Present among pilgrims.
Damascus.....	Aug. 14-Oct. 21..	129	103	
Erzeroum Vilayet.....	Sept. 13-30.....			Present in Erzingham and Unieh.
Ezra's Tomb.....	June 17.....	6		70 miles from Basra.
Foglieri.....	July 26.....	2	1	In the Gulf of Smyrna.
Haifa.....	Oct. 3-22.....	41	31	
Kamaran.....	May 28-July 11..	8	5	Among troops.
Kerassunde.....	Sept. 10-Oct. 7..	22	16	
Kharput.....	Aug. 20-Oct. 7..	27	22	And vicinity.
Medina.....	Sept. 15-Oct. 16..	92	73	
Mekke.....	Sept. 1-Oct. 1..	366	329	
Samsun.....	May 29-July 30..	225	204	And district.
Smyrna.....	Apr. 26-Sept. 24..	974	497	Including 24 cases and 14 deaths, p. 1911, vol. 2.
Trebizond.....	Oct. 16.....	1		
Tripoli.....	Sept. 26-Oct. 18..	43	33	
Zongouldak.....	July 1-Oct. 15..	95	72	And vicinity.

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

Reports Received from July 1 to Nov. 17, 1911.

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Turkey:</b>				
Constantinople.....	May 21-Oct. 23....	2,614	1,493	And vicinity.
Dardanelles.....	Oct. 1-8.....		2	
Kavak.....	June 5-11.....	1		Aug. 8, present.
Medua.....	Aug. 24-Sept. 1....	5	1	
Soloniki.....	Aug. 11-Oct. 18....	549	313	Among troops.
Valona.....	Aug. 27-Sept. 7....	28	8	
<b>At sea.....</b>	June 23.....	1	1	On s. s. Goeben, bound from Southampton for Suez. Case developed 1 day after leaving Naples.
<b>Do.....</b>	July 25.....			2 cases from s. s. Zar Nicolaus from Algiers.

## YELLOW FEVER.

<b>Brazil:</b>				
Ceara.....	July 1-31.....		1	
Manaos.....	June 4-Oct. 14....		24	
Para.....	June 21-Sept. 9....	5	1	
Pernambuco.....	June 15-Sept. 30...		9	Sept. 4, present.
<b>Bissagos Islands:</b>				
Bulama.....	May 27.....			Present.
<b>British Gold Coast:</b>				
Accra.....	May 23-27.....	3		Among natives.
<b>Ecuador:</b>				
Babahoyo.....	July 16-Aug. 15....	2	2	
Bucay.....	Sept. 1-Oct. 15....	2	1	
Calaroma.....	July 16-31.....	1	1	
Changue.....	Sept. 16-30.....	1	1	
Chobo.....	Oct. 1-15.....	1		
Guayaquil.....	June 1-Oct. 15....	40	15	
Milagro.....	June 1-Aug. 15....	17	13	
Naranjito.....	July 1-Sept. 30....	5	1	
Yaguachi.....	June 16-July 15...	1	1	
<b>Gambia:</b>				
Bathurst.....	May 23-27.....	5	2	Among Europeans.
<b>Hawaii:</b>				
Honolulu.....	Oct. 21-28.....		2	1 case arrived convalescent on s. s. Hongkong Maru from Manzanillo, Mexico. 1 case occurred in quarantine, employee detailed as guard on the s. s. Hongkong Maru.
<b>Mexico:</b>				
Merida.....				Total Aug. 1-Nov. 4: Cases, 43; deaths, 20.
<b>Venezuela:</b>				
Caracas.....	July 1-Sept. 23....	26	1	Present.
La Pastora.....	Aug. 5.....			
Maiquetia.....	July 22.....	2		
San Juan.....	Aug. 5.....	1		

## PLAGUE.

<b>Algeria:</b>				
Philippeville.....	Nov. 1.....	5		
<b>Arabia:</b>				
Maskat.....	May 21-June 15....	4	2	
<b>Brazil:</b>				
Para.....	July 2-Sept. 9....	5	4	Sept. 16, 2 cases.
Pernambuco.....	June 15-Sept. 15...		9	
Rio de Janeiro.....	July 16-Oct. 7....	18	5	
<b>British East Africa:</b>				
Kismayu.....	Apr. 24-Sept. 16...	60	45	
Nairobi.....	May 27-Sept. 16...	39	22	
Port Florence.....	Apr. 26.....	1	1	
<b>Canal Zone:</b>				
Panama.....	Oct. 17.....	1	1	Arrived from Guayaquil and detained at quarantine.
<b>Chile:</b>				
Arica.....	June 12-July 28....		3	
Iquique.....	May 14-Oct. 7....	45	28	

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

Reports Received from July 1 to Nov. 17, 1911.

## PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy.....	May 21-July 17.....		20	To May 28: Cases, 61; July 3, present in the district.
Kulangsu.....	June 17-July 22.....		5	
Canton.....	May 18-Sept. 9.....			Present, and in neighboring cantons.
Hongkong.....	May 14-Sept. 2.....	209	156	Jan. 1-Aug. 15: Cases, 259; deaths, 240.
Shanghai.....	Aug. 10-26.....	31	19	May 14-27, 3 cases.
Swatow.....	May 21-July 22.....			May 21-June 2, epidemic in Chaochow-fu. Hweilai, Kit-yang, and in Chao-Yang, Jan. 1-June 30, 6,000 deaths.
Ecuador:				
Guayaquil.....	June 1-Sept. 30....	65	23	
Egypt:				
Alexandria.....	May 31-Sept. 23....	45	20	
Cairo.....	Feb. 12-May 31....	1	1	
Ismailia.....	Oct. 12.....	1		
Port Said.....	May 27-Sept. 22....	39	16	On s. s. Yeddo, bound for Calcutta from New York, via Naples and Torrevieja, Spain.
Provinces—				
Assiout.....	May 31-Oct. 13....	8	6	
Behera.....	May 23-Oct. 13....	3	3	
Beni Souef.....	May 23-Aug. 10....	4	1	
Dakahlieh.....	May 29-June 11....	2	1	
Fayoum.....	May 28-Oct. 15....	9	6	
Galloubeh.....	June 1-Oct. 4.....	5	1	
Girgeh.....	Apr. 19-July 7....	5	4	
Kena.....	May 30-June 12....	5	5	
Menouf.....	May 31-Oct. 13....	2		
Minieh.....	June 1-July 27....	29	11	
Hawaii:				
Kapulena.....	Oct. 28.....	1	1	
India:				
Bahrein Island.....	May 15-July 16....		1,925	In Persian Gulf.
Bombay.....	May 21-Oct. 7.....	658	573	
Calcutta.....	May 7-Sept. 23....		628	
Karachi.....	May 28-Sept. 30....	218	214	
Rangoon.....	May 1-Aug. 31....	9,982	7,233	
Bombay Presidency and Sind.....	May 7-Sept. 30....	51,417	35,564	
Madras Presidency.....	do.....	5,752	4,378	
Bengal.....	do.....	2,767	2,570	
United Provinces.....	do.....	18,285	17,685	
Punjab.....	do.....	60,902	53,374	
Burma.....	do.....	1,899	1,769	
Eastern Bengal and Assam.....	Aug. 6-26.....	2	12	
Central Provinces.....	May 7-Sept. 30....	2,970	1,985	
Coorg.....	Aug. 27-Sept. 30....	11	9	
Mysore State.....	May 7-Sept. 30....	9,089	6,539	
Hyderabad State.....	do.....	1,421	1,080	
Central India.....	do.....	1,303	899	
Rajputana and Ajmere.....	May 20-Sept. 30....	1,758	1,493	
Merwara.....				
Kashmir.....	May 7-July 1.....	624	425	
North West Province.....	do.....	110	79	
Indo-China:				
Saigon.....	May 15-Sept. 17....	342	110	Total for India May 15 to Sept. 30: Cases 158,310; deaths 127,861. And vicinity.
Japan:				
Formosa.....	May 21-July 1.....	115	106	In Kagi Province from Jan. 1 to June 15: Cases, 355, including report, p. 1047, vol. 1.
Java:				
Kediri.....	Mar. 31-July 22....	60	21	
Madioen.....	June 1-Aug. 26....	2		
Paseroean Residency.....	May 14-Sept. 30....	703	201	
Surabaya.....	Apr. 30-May 18....	21	4	
Mauritius.....	Mar. 1-Aug. 31....	11	7	
Morocco:				
Cherouba.....	Sept. 29.....			Present.
Mazagan.....	July 13-Oct. 17....			Present among the Doukala, 5 hours distant.
New Zealand:				
Auckland.....	May 1-8.....	5		Total since Mar. 21: Cases, 8; deaths, 1.

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

Reports Received from July 1 to Nov. 17, 1911.

## PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Paraguay:				
Asuncion.....	Aug. 1-9.....		8	Present.
Persia:				
Buchir.....	May 14-June 25....	94	80	
Lingah.....	May 18-28.....	7		From Debai. 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	Sept. 24, 1 case.
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.....				First quarter, 1911: Manila, no cases; Provinces, no cases.
Mariveles quarantine station.	May 25-26.....	1	1	From s. s. Taisang from Amoy.
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.
Kjubekudik.....	July 15.....	5	4	Do.
Narvma.....	June 24.....	4	4	
Siam:				
Bangkok.....	Apr. 16-Sept. 4....	72	81	
Straits Settlements:				
Singapore.....	May 21-Sept. 30....	7	6	
Turkey in Asia:				
Adalia.....	July 7-Aug. 30....	4		
Basra.....	May 21-31.....	4	2	
Beirut.....	Aug. 21.....			Present among pilgrims, and present in the Lebanon district.
Brusa.....	Aug. 2-15.....	2		
Smyrna.....	Sept. 17-22.....	2	1	
Venezuela:				
Baruta.....	Sept. 3-9.....			
Caracas.....	May 29-Oct. 7....	14		
Santa Rosalia.....	Aug. 5.....	1		
Zanzibar:				
Zanzibar.....	Sept. 7-21.....	3	3	

## SMALLPOX.

Algeria:				
Departments—				
Algiers.....	Mar. 1-Aug. 31....	5	2	July 1-31 5 deaths.
Constantine.....	Mar. 1-May 31....	74		
Arabia:				
Aden.....	Apr. 11-Sept. 11....	207	8	And vicinity.
Argentina:				
Buenos Aires.....	Apr. 1-July 31....		124	
Rosario.....	Apr. 1-June 30....		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-Sept. 16....	9	2	
Pernambuco.....	June 1-Sept. 15....		758	
Rio de Janeiro.....	May 28-Oct. 7....	29	2	
Sao Paulo.....	May 15-21.....		1	
Canada:				
British Columbia—				
Vancouver.....	July 9-Sept. 23....	8		
Victoria.....	May 1-31.....	10		

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

Reports Received from July 1 to Nov. 17, 1911.

## SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Canada—Continued.</b>				
<b>Manitoba—</b>				
Fort Alexander.....	July 8.....	19		Among Indians.
Lac de Bonnet.....	.....do.....	1		
Point du Bois.....	.....do.....			Epidemic.
Selkirk.....	.....do.....	1		From Mapleton.
Winnipeg.....	July 23-29.....	1		
<b>New Brunswick—</b>				
Newcastle.....	July 15-Aug. 5.....			Present in vicinity.
<b>Ontario—</b>				
Ottawa.....	June 11-Nov. 4.....	35		
<b>Nova Scotia—</b>				
Halifax.....	May 23-Sept. 30.....	6		
<b>Prince Edward Island—</b>				
Charlottetown.....	June 14-20.....	1		
<b>Quebec—</b>				
Montreal.....	July 9-Sept. 30.....	7		
Quebec.....	June 18-Nov. 4.....	38	1	
<b>Yukon.....</b>				
Dawson.....	Sept. 17.....	66	1	On the Porcupine.
	June 4-July 11.....	15		
<b>Ceylon:</b>				
Colombo.....	May 21-Sept. 30.....	40	5	
<b>Chile:</b>				
Caldera.....	June 24.....	2	1	
Punta Arenas.....	June 1-July 31.....	3	1	
Talcahuano.....	June 27-Oct. 14.....	135	28	
Valparaiso.....	June 24-Sept. 30.....	367		
<b>China:</b>				
Chunking.....	May 28-Aug. 19.....			Present.
Hongkong.....	May 21-Sept. 30.....	36	29	
Nanking.....	May 28-Oct. 14.....			Do.
Shanghai.....	May 24-July 16.....	2	8	Deaths among natives.
Swatow.....	May 28-July 22.....			Present in the district.
<b>Colombia:</b>				
Cartagena.....	May 22-July 9.....			Present.
<b>Egypt:</b>				
Alexandria.....	Apr. 1-July 31.....	64	32	
Cairo.....	May 22-Sept. 30.....	12	5	
Port Said.....	May 29-Aug. 19.....	14	13	
<b>France:</b>				
Havre.....	July 16-22.....	1	1	
Marseille.....	Aug. 1-31.....		1	
Paris.....	June 18-Oct. 21.....	12		
<b>Germany.....</b>				
				Total for Germany, June 4-Oct.
				28: Cases, 33.
Bremen.....	July 9-15.....	1		
Hamburg.....	Aug. 6-19.....			3 cases on s. s. Prinz Regent.
Gibraltar.....	June 4-Oct. 8.....	3		
<b>Great Britain:</b>				
Birmingham.....	July 2-15.....	1	1	
Dundee.....	June 11-Aug. 12.....	10	3	
Liverpool.....	June 18-Oct. 7.....	8		
London.....	June 4-24.....	13		
Plymouth.....	July 2-8.....		1	
Sheffield.....	June 18-24.....		1	
<b>India:</b>				
Bombay.....	May 21-Oct. 7.....	121	98	
Calcutta.....	May 7-June 24.....		6	
Madras.....	May 21-Oct. 14.....	156	66	
Rangoon.....	May 1-Aug. 31.....	337	165	
<b>Indo-China:</b>				
Saigon.....	May 15-Sept. 17.....	132	53	And vicinity.
<b>Italy:</b>				
Catania.....	July 19-Aug. 12.....		4	
Genoa.....	Aug. 1-Sept. 30.....	3		
Naples.....	June 11-Sept. 30.....	86	10	
Palermo.....	June 4-Oct. 14.....	894	415	
<b>Japan:</b>				
Yokohama.....	June 13-19.....	1		
<b>Java:</b>				
Batavia.....	July 2-Sept. 30.....	41	9	
<b>Malta:</b>				
Valetta.....	June 6-Oct. 14.....	2		
<b>Mexico:</b>				
Aguascalientes.....	Aug. 28-Oct. 15.....		6	
Cananea, mines.....	Sept. 12-22.....	30		Oct. 28, 45 cases present.
Chihuahua.....	June 28-Oct. 9.....	23	12	
Frontera.....	June 19-24.....	1		
Guadalajara.....	June 18-Aug. 19.....		3	
Inuris.....	Sept. 22.....	10		

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

## Reports Received from July 1 to Nov. 17, 1911.

## SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Mexico—Continued.</b>				
Juarez.....	July 9–Nov. 4.....	26	6	
Magdalena.....	Oct. 23.....			Present.
Mazatlan.....	Aug. 6–Oct. 31.....	13	5	
Mexico.....	May 21–Sept. 16.....		159	July 23–Sept. 30, 65 cases.
Porfirio Diaz.....	July 23–Oct. 28.....	10	10	
San Juan Bautista.....	June 17–July 15.....			Present and in vicinity. Aug. 26, increasing.
San Luis Potosi.....	June 4–Oct. 7.....	21	20	
Tampico.....	June 11–Oct. 10.....		9	
Tapachula.....	July 8–Sept. 23.....		19	
<b>Peru:</b>				
Salaverry.....	Aug. 1–7.....			Present.
Trujillo.....	Oct. 23–30.....			Do.
<b>Philippine Islands.</b>				
				First quarter, 1911, Manila: Cases, 93; deaths, 0. Second quarter: Cases, 142; deaths, 0.
<b>Portugal:</b>				
Lisbon.....	June 4–Oct. 15.....	108		May 7–20, deaths, 3.
<b>Porto Rico:</b>				
Ponce.....	Apr. 1–30.....		1	
<b>Portuguese East Africa:</b>				
Lourenco Marquez.....	.....do.....		1	
<b>Russia:</b>				
Batoum.....	May 1–June 30.....	3		
Libau.....	June 5–Oct. 22.....	16	1	July 16, 1 death.
Moscow.....	May 28–Oct. 14.....	171	85	
Odessa.....	May 27–Sept. 16.....	8		
Reval.....	May 1–31.....	5		
Riga.....	May 27–Sept. 30.....	19		Apr. 1–May 31, deaths, 14.
St. Petersburg.....	May 21–Oct. 14.....	171	34	
Warsaw.....	Apr. 2–Aug. 26.....	145	66	
Windau.....	June 25–July 1.....			Present.
<b>Siam:</b>				
Bangkok.....	Apr. 16–Sept. 4.....	100	128	
<b>Siberia:</b>				
Omsk.....	May 29–Oct. 3.....	4		
Vladivostok.....	May 14–Aug. 28.....	18	15	
<b>South Africa:</b>				
Port Elizabeth.....	May 21–27.....	1		
<b>South Australia:</b>				
Adelaide.....	Apr. 15.....			1 case, from Colombo on str. Mooltan.
<b>Spain:</b>				
Barcelona.....	May 6–17.....		4	
Madrid.....	June 1–Sept. 30.....		3	
Malaga.....	.....do.....		35	
Seville.....	.....do.....		8	
Valencia.....	June 4–Oct. 14.....	61	12	
<b>Straits Settlements:</b>				
Penang.....	Apr. 30–Sept. 30.....	8	3	
Singapore.....	May 7–Sept. 30.....	158	44	
<b>Switzerland:</b>				
Aargau, canton.....	Sept. 24–30.....	4		
Ticino, canton.....	May 28–June 3.....	1		
<b>Turkey in Asia:</b>				
Beirut.....	May 27–Oct. 21.....	142	39	
Kharput.....	May 21–June 10.....	34	3	
<b>Turkey in Europe:</b>				
Constantinople.....	June 4–Oct. 22.....		18	
Saloniki.....	Sept. 1–30.....		5	
<b>Uruguay:</b>				
Montevideo.....	Apr. 1–Aug. 31.....	51	17	
<b>Zanzibar:</b>				
Zanzibar.....	May 15–Sept. 30.....	25	15	
At sea.....	May 15.....	1		On s. s. Narrung; vessel quarantined at Adelaide, Melbourne, and Sydney.

MORTALITY.

Weekly Mortality Table, Foreign and Insular Cities.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—													
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.			
Aden.....	Sept. 11	45,859	22	2				1									
Aberdeen.....	Oct. 21	163,084	58								7	1	8	1			
Aguaascalientes.....	Oct. 15	40,000	40	1				2									
Do.....	Oct. 22		50	1						1							1
Do.....	Oct. 29		40	1					1								
Aix-la-Chapelle.....	Oct. 14	156,297	65	3					3			1	1				
Do.....	Oct. 21		55	3							1		5				
Amoy <sup>1</sup> .....	Sept. 30	200,000								1							
Do.....	Oct. 14									1							
Amsterdam.....	Oct. 21	578,775	141	17						1							1
Do.....	Oct. 20		116	17									2	3			1
Antwerp.....	Oct. 21	327,668	75	3							1	1	1				
Assuncion, Paraguay.....	Sept. 30	75,000	11							1							
Do.....	Oct. 7		18	4						2							
Barcelona.....	Nov. 3	591,312	380	34						8			2				
Do.....	Oct. 25		275	22						7			4	1			
Barnen.....	Oct. 7	169,800	26	4													1
Do.....	Oct. 14		37	4													4
Do.....	Oct. 21		45	2							1	1					
Barranquilla.....	Oct. 23	40,000	14	1							1						
Basel.....	Oct. 28	136,000	21														
Basra.....	Oct. 7	20,000					10										
Do.....	Oct. 14						5										
Batavia.....	Sept. 30	217,630					3										
Do.....	Oct. 7						5										
Beirut.....	Oct. 7	80,000	25	2				2		5							
Belfast.....	Oct. 21	385,492	126	23				1									
Do.....	Oct. 28		124	19							1						1
Belgrade.....	Oct. 21	90,050	38								2						
Berlin.....	Oct. 14	2,071,170	538	69						3	11	15	2	1			6
Bergen.....	Oct. 28	87,749	16	1								2					
Birmingham.....	do.....	526,030	142							3	2	3					
Bombay.....	Oct. 7	977,822	549	47	10			3									
Bordeaux.....	Nov. 4	253,000	85	17						1							
Bradford.....	Oct. 21	288,723	71	5						4							
Do.....	Oct. 28		65	5						1							
Bremen.....	Oct. 21	246,850	55	9								4					
Bristol.....	Oct. 28	357,509	90	10						1							
Brussels.....	Oct. 21	739,684	164	19						2		2					
Do.....	Oct. 28		183	18						1	1	3					2
Budapest.....	Oct. 14	950,610				1				7	2	2	2				
Cairo.....	Sept. 30	689,439	494	26				1		3		16					1
Do.....	Oct. 7		457	18						4	3	17					
Do.....	Oct. 14		501	22						4	2	1	23	3			
Calcutta.....	Sept. 16	890,493	415	37	6	11											
Do.....	Sept. 23		432	29	4	13											
Do.....	Sept. 30		435	30	6	12				4	2						
Catania.....	Oct. 21	207,000	56	4		5			1								
Do.....	Oct. 28		52	3		2											
Campbeltown.....	Nov. 6	3,800								1							
Chemnitz.....	Oct. 21	295,600	84	8								2					2
Christiana.....	Oct. 28	245,000	76	9						1			3				1
Coburg.....	Oct. 21	23,737	7														1
Cologne.....	do.....	520,687	144	24							2	3	5	2			
Do.....	Oct. 28		127	11								1	5				2
Colombo.....	Sept. 30	213,794	135	17		1		1		14							
Do.....	Oct. 7		132	13		1		1		11							
Constantinople.....	Oct. 29	1,000,000	233	45		1				10	3	1					
Copenhagen.....	Oct. 14	462,000	118	15								1					2
Dardanelles.....	Oct. 21	11,875	1							1							
Dresden.....	Oct. 14	551,200	114	11								1	2				
Do.....	Oct. 21		139	18							1	4					1
Dublin.....	do.....	403,732	165	32						4	4	1					1
Do.....	Oct. 28		147	24				1		1	1	1	5				5
Dundee.....	do.....	171,006	44	2													
Edinburgh.....	Oct. 21	520,829	86	7													1
Do.....	Oct. 28		91	9							1						
Erfurt.....	Oct. 14	124,228	58	5					1			7					1
Do.....	Oct. 21		57	4							3	1	9				

<sup>1</sup> Foreign settlement.



## 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.						
Frankfort on Main.....	Oct. 12	419,300	83																	3
Georgetown.....	Oct. 14	56,000	56	6							3									
Do.....	Oct. 21		52	7						2										
Ghent.....	do.....	165,965	66	5						1								1		
Glasgow.....	Oct. 27	784,655	255							3		2	2					7		3
Do.....	Nov. 3		279							1		3	5					4		2
Gothenburg.....	Oct. 26	168,000	33	5						1										
Halifax.....	Nov. 11	46,000	9	2																
Hamburg.....	Oct. 21	931,035	282	29								5	12					3		5
Do.....	Oct. 28		246	19							1	2	14					5		2
Haiifa.....	Oct. 15	25,000																		
Do.....	Oct. 22																			
Havre.....	Oct. 28	136,159	45	8								3								
Hongkong.....	Sept. 30	336,488																		
Do.....	Oct. 7																			
Hull.....	Oct. 28	278,968	101									4								2
Iquique.....	Sept. 30	40,000																		
Johannesburg.....	Oct. 7	237,220	188	23								4	2							3
Kharput.....	Sept. 23	21,000																		
Do.....	Sept. 30											1								
Do.....	Oct. 7																			
Do.....	Oct. 14																			
Kingston, Jamaica.....	Oct. 28	59,584										2								
Kobe.....	Oct. 22	404,851	163									2								
Konigsberg.....	Oct. 21	247,300	78	9														1		1
Leeds.....	Oct. 28	445,568	104	10									2	3						1
Leith.....	do.....	80,674	30	2																
Do.....	Oct. 21	80,674	26	2																
Leipzig.....	do.....	595,703	134	22								4	1	1				2		1
Libau.....	Oct. 29	90,000										1								
Liege.....	Oct. 21	174,768										3								
Do.....	Oct. 28		50	4								2								
Liverpool.....	do.....	747,627	225	22																
London.....	Oct. 21	7,269,752	1,819									12	2	22	14					5
Do.....	Oct. 28		1,684									14	7	22	20					7
Lubeck.....	Oct. 21	99,000																		
Do.....	Oct. 28		24	2																
Lyon.....	Sept. 30	523,796	36	5																
Do.....	Oct. 7		159	25								3								2
Do.....	Oct. 14		161	30								14								
Madras.....	Oct. 7	518,660	349									4								
Magdeburg.....	Oct. 14	281,412	89	7																
Manoas.....	Oct. 21	52,000	35	2																
Manchester.....	do.....	631,533	208	25																
Do.....	Oct. 28		200																	
Mannheim.....	Oct. 14	196,759	35	6																
Mazatlan.....	Oct. 31	22,000	32																	
Do.....	Nov. 7		20	1																
Madras.....	Oct. 14	518,660	370																	
Montreal.....	Nov. 11	466,197	124	15																
Moscow.....	Oct. 7	1,500,000	668	80																
Do.....	Oct. 14		647	76																
Montreal.....	Nov. 4	466,197	130	14																
Munich.....	Oct. 21	597,000	161	25																
Nagaya.....	Sept. 30	414,998	138																	
Do.....	Oct. 7		128																	
Do.....	Oct. 14		148																	
Newcastle-on-Tyne.....	Oct. 14	267,261	87	11																
Do.....	Oct. 28		75	9																
Niagara Falls.....	Oct. 31	10,000	4																	
Nottingham.....	Oct. 21	259,942	76																	
Do.....	do.....	546,000	160	17																
Odessa.....	Nov. 4	90,000	33																	
Ottawa.....	Oct. 21	340,000	235	8																
Palermo.....	Oct. 28	185,000	63	7																
Para.....	Oct. 21	2,846,986	848	152																
Paris.....	Sept. 30	101,427	78	12																
Penang.....	Sept. 30	40,000	15	5																
Patras.....	Oct. 29																			



**MORTALITY—FOREIGN AND INSULAR—COUNTRIES AND CITIES**  
(untabulated)

**ARGENTINA—Buenos Aires.**—Month of August, 1911. Population 1,333,532. Total number of deaths from all causes 1,899, including diphtheria 24, measles 5, scarlet fever 7, smallpox 9, tuberculosis 176, typhoid fever 9.

**AUSTRALIA—Fremantle.**—Month of May, 1911. Population 20,000. Total number of deaths from all causes 93, including diphtheria 2, typhoid fever 2.

Month of June, 1911. Total number of deaths from all causes 104, including diphtheria 1, measles 1, typhoid fever 4.

**BRAZIL—Ceara.**—Month of September, 1911. Population 60,000. Total number of deaths from all causes 133, including tuberculosis 18, typhoid fever 9.

**Pernambuco.**—Two weeks ended September 15, 1911. Population 225,000. Total number of deaths from all causes 476, including measles 1, plague 2, smallpox 130, tuberculosis 73, typhoid fever 2, yellow fever 1.

Two weeks ended September 30, 1911. Total number of deaths from all causes 452, including plague 4, smallpox 105, tuberculosis 66, typhoid fever 1, yellow fever 2.

**EGYPT—Alexandria.**—Month of August, 1911. Population 420,000. Total number of deaths from all causes 1,179, including cholera 1, diphtheria 15, measles 2, tuberculosis 80, typhoid fever 21, typhus fever 1.

Month of September, 1911. Population 420,000. Total number of deaths from all causes 1,012, including cholera 2 (on steamship from Constantinople), diphtheria 13, tuberculosis 90, typhoid fever 18.

**FRANCE—St. Etienne.**—Two weeks ended August 31, 1911. Population 150,000. Total number of deaths from all causes 149, including diphtheria 2, measles 3, tuberculosis 18.

**GREAT BRITAIN.**—Week ended September 30, 1911.

**England and Wales.**—The deaths registered in 77 great towns correspond to an annual rate of 15.5 per 1,000 of the population, which is estimated at 16,157,797.

**Ireland.**—The deaths registered in 21 principal town districts correspond to an annual rate of 18 per 1,000 of the population, which is estimated at 1,149,495. The lowest rate was recorded at Lurgan, viz, 4.3, and the highest at Galway, viz, 35.4 per 1,000.

**Scotland.**—The deaths registered in 8 principal towns correspond to an annual rate of 15.2 per 1,000 of the population, which is estimated at 1,170,291. The lowest rate was recorded at Paisley, viz, 13, and the highest at Dundee, viz, 19. The total number of deaths from all causes was 499, including diphtheria 13, measles 1, scarlet fever 3, typhoid fever 1.

ITALY—*Genoa*.—Two weeks ended August 31, 1911. Population 272,077. Total number of deaths from all causes 312, including diphtheria 4, tuberculosis 14, typhoid fever 1.

JAMAICA—*Kingston*.—Month of September, 1911. Population 59,584. Total number of deaths from all causes 111, including tuberculosis 7, typhoid fever 5.

RUSSIA—*Riga*.—Month of June, 1911. Population 355,000. Total number of deaths from all causes 631, including diphtheria 8, measles 5, scarlet fever 12, typhoid fever 4.

SPAIN—*Almeria*.—Month of August, 1911. Population 50,910. Total number of deaths from all causes 155, including diphtheria 1, measles 1, tuberculosis 9, typhoid fever 2.

*Madrid*.—Month of September, 1911. Population, 613,436. Total number of deaths from all causes 897, including diphtheria 13, measles 2, scarlet fever 1, smallpox 1, tuberculosis 147.

*Seville*.—Month of October, 1911. Population 158,235. Total number of deaths from all causes 379, including diphtheria 7, measles 1, smallpox 6, tuberculosis 68.

TAHITI.—Two weeks ended October 27, 1911. Population 4,000. Total number of deaths from all causes 8. No deaths from contagious diseases.

By authority of the Secretary of the Treasury:

A. H. GLENNAN,

*Acting Surgeon General,*

*United States Public Health and Marine-Hospital Service.*