

PUBLIC HEALTH REPORTS.

VOL. XXVI.

DECEMBER 8, 1911.

No. 49.

ADMINISTRATION OF THYMOL IN HOOKWORM DISEASE.

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A case of unusually severe hookworm disease has recently come under our observation, in connection with which it was necessary to safeguard in every possible way all of the strength possessed by the patient. In order to do this and at the same time expel some of the worms, so that the patient could gain strength, the preliminary dose of magnesium sulphate (usually given the evening before the thymol is administered) was omitted, and very small doses of thymol were used. This plan was followed by satisfactory results. The patient gained in strength, and after several courses of treatment without preliminary salts the standard thymol treatment with salts was instituted.

In several other cases, also, thymol was administered without preliminary salts, and hookworms were obtained.

On theoretical grounds and from practical experience in these cases, we feel justified in recommending that in every severe case the preliminary salts be omitted and (as is already the custom) small doses of thymol be used for one or more courses of treatment.

In one case (male, 16 years old) we obtained 347 worms with 10 grains of thymol, followed but not preceded by salts. In one case (male, 5 years old) 13 worms were obtained with 10 grains of thymol, followed but not preceded by salts. In one case (male, 26 years old) 6 worms were obtained with $32\frac{1}{2}$ grains of thymol, followed but not preceded by salts. In one case (male, 24 years old) 24 worms were obtained with 30 grains of thymol, followed but not preceded by salts. In one case (male, 12 years old) 315 worms were obtained with 25 grains of thymol, followed but not preceded by salts. In one case (male, 17 years old) 2,246 worms were obtained with 25 grains of thymol, preceded and followed by salts.

The number of worms obtained in any given case is influenced not only by the size of the dose of thymol, but also by the number and position of the worms present and the amount of food in the intestinal tract. The principle upon which the small dose is used is that if numerous worms are present the thymol will reach at least some of them, and a case of severe infection can thus gradually be reduced to one of lighter infection, and the risks (if any are present) can be reduced to a minimum. In other words, the element of safety for the patient is increased to the maximum by treating along very conservative lines.

Detailed score for sanitary inspection of dairy farms—Continued.

Equipment.	Perfect.	Allowed.	Methods.	Perfect.	Allowed.
STABLES.			MILK ROOM.		
Location of stable.....		2	Cleanliness of milk room.....		3
Well drained.....	1		UTENSILS AND MILKING.		
Free from contaminating surroundings.....	1		Care and cleanliness of utensils.....		8
Construction of stable.....		4	Thoroughly washed and sterilized in live steam for 30 minutes (thoroughly washed and placed over steam jet, 4; thoroughly washed and scalded with boiling water, 3; thoroughly washed, not scalded, 2).	5	
Tight sound floor and proper gutter.....	2		Inverted in pure air.....	3	
Smooth tight walls and ceiling.....	1		Cleanliness of milking.....		9
Proper stall, tie, and manger.....	1		Clean dry hands.....	3	
Light, 4 square feet of glass per cow (3 square feet, 3; 2 square feet, 2; 1 square foot, 1. Deduct for uneven distribution).....		4	Udders washed and dried (udders cleaned with moist cloth, 4; cleaned with dry cloth 12 minutes before milking, 1).....	6	
Ventilation.....		3	HANDLING THE MILK.		
Cubic feet of space per cow, 500 to 1,000 feet (less than 500 feet, 2; less than 400 feet, 1; less than 300 feet, 0).....		3	Cleanliness of attendants.....		1
UTENSILS.			Milk removed immediately from stable.....		2
Construction and condition of utensils.....		1	Prompt cooling (cooled immediately after milking each cow).....		2
Water for cleansing (clean, convenient, and abundant).....	1		Efficient cooling, below 50° F. (50° to 55°, 4; 56° to 60°, 2).....		5
Small-top milking pail.....		3	Storage, below 50° F. (51° to 55°, 2; 56° to 60°, 1).....		3
Facilities for hot water or steam (should be in milk house, not in kitchen).....	1		Transportation, iced (for jacket or wet blanket, 2; dry blanket or covered wagon, 1).....		3
Milk cooler.....	1		Total.....		60
Clean milking suits.....	1				
MILK ROOM.					
Location of milk room.....		2			
Free from contaminating surroundings.....	1				
Convenient.....	1				
Construction of milk room.....		2			
Floor, walls, and ceiling.....	1				
Light, ventilation, screens.....	1				
Total.....		40			

Score for equipment plus score for methods equals final score.

NOTE 1.—If any filthy condition is found, particularly dirty utensils, the total score shall be limited to 49.

NOTE 2.—If the water is exposed to dangerous contamination or if there is evidence of the presence of a dangerous disease in animals or attendants, the score shall be 0.

Detailed score for sanitary inspection of milk plants.

Equipment.	Score.		Methods.	Score.	
	Perfect.	Allowed.		Perfect.	Allowed.
PLANT.			PLANT.		
Location.....		18	Cleanliness.....		15
Convenience.....	6		Floor.....	6	
Surroundings.....	12		Walls.....	4	
Arrangement.....		7	Ceiling.....	1	
Proper rooms.....	3		Doors.....	1	
Convenience.....	4		Windows.....	1	
Construction.....		9	Good order.....	1	
Floor.....	5		Free from odors.....	1	
Walls.....	3		Machinery and utensils, cleanliness.....		26
Ceiling.....	1		Milk, handling (clarifying, pasteurizing, cooling, bottling).....		25
Light.....		1			
Ventilation.....		1			
Screens.....		1			

Detailed score for sanitary inspection of milk plants—Continued.

Equipment.	Score.		Methods.	Score.	
	Perfect.	Allowed.		Perfect.	Allowed.
PLANT—continued.			PLANT—continued.		
Machinery and utensils:			Storage		20
Kind and quality	7	.....	45° F. or below	20	.....
(Steam or hot water, bottle and can washer, bottling machine, drying racks, crates, sinks, pasteurizer, cold storage.)			45° to 50° F.	15	.....
Condition	7	.....	50° to 55° F.	10	.....
Arrangement	6	.....		
Water for cleaning		28			
Wagons, construction, condition		4	Wagons		6
Salesroom		11	Cleanliness	3	.....
Location	4	.....	Protection of product	3	.....
Construction	4	.....	Salesroom, cleanliness		9
Equipment	3	.....		
		100			100

ADDITIONAL DEDUCTIONS.

For exceptionally bad conditions.

Total deductions	.....
Net total	.....
Score for methods	.....
Score for equipment	.....
Total, to be divided by 3	.....
Final score	.....

ADDITIONAL DEDUCTIONS.

For exceptionally bad conditions.

Total deductions	.....
Net total	.....

Detailed score for sanitary inspection of butter-making establishments.

Equipment.	Score.		Methods.	Score.	
	Perfect.	Allowed.		Perfect.	Allowed.
PLANT.			PLANT.		
Location		18	Cleanliness		15
Convenience	6	.....	Floor	6	.....
Surroundings	12	.....	Walls	4	.....
Arrangement		7	Ceilings	1	.....
Proper rooms	3	.....	Doors	1	.....
Convenience	4	.....	Order	1	.....
Construction		9	Odor	1	.....
Floor	5	.....	Windows	1	.....
Walls	3	.....	Machinery, cleanliness		25
Ceiling	1	.....		
Light		1	BUTTER.		
Ventilation		1	Handling		48
Screens		1	Separating	5	.....
Machinery		20	Pasteurizing, continuous		
Kind and quality (steam, ice, cold-storage separator, pasteurizer, ripener, churn, mold cutter, paddles)	7	.....	(160-170° F. for 1 min. Cool to 70° F.)	10	.....
Condition	7	.....	Intermittent	8	.....
Arrangement	6	.....	(140° F. for 20 min.)		
Water supply		28	Ripening	5	.....
Wagons		4	Care of starter—		
Construction	2	.....	Churning	5	.....
Condition	2	.....	Working and salting	5	.....
Salesroom		11	Molding and cutting	5	.....
Location	4	.....	Rapping	5	.....
Construction	4	.....	Storage		5
Equipment	3	.....	Wagons		6
		100	Cleanliness	3	.....
			Protection	3	.....
			Salesroom, cleanliness		9
					100

(Equipment multiplied by 1 equals, plus methods multiplied by 2 equals, divided by 3 equals

SEC. 6. The permits issued under the provisions of section 4 shall be numbered consecutively and recorded in the health department, and said permits shall be valid for one year unless revoked for causes hereinafter stated.

SEC. 7. Each person granted a permit under the provisions of this ordinance shall cause the number of his permit to be legibly placed in figures not less than 2 inches in height on the outer side of all vehicles used by him in the distribution of milk, cream, or butter within the corporate limits of the city of Berkeley, and all persons who sell milk, cream, or butter shall keep their permits posted in a conspicuous place on the wall of the room within which such sale is carried on.

SEC. 8. The milk inspector shall at all times give advice and assistance to dairymen in the matter of improving their scores, and shall maintain in the health department a public list of permit holders and their scores as determined by him from at least four regular annual inspections.

SEC. 9. The milk inspector shall have authority to inspect any wagon or other means used in delivering milk, cream, or butter, or any farm, store, depot, shop, creamery, or any place where milk, cream, or butter is produced, offered for sale, or sold, and to take samples of milk, cream, or butter for the purpose of enforcing the provisions of this ordinance, providing, however, that a properly numbered and sealed, duplicate sample be left in the possession of the vendor, and that the milk inspector shall note the essential facts regarding the source of the sample on duplicate form provided for the purpose, one copy to accompany the sample to the analyst and the other to be retained by the inspector.

SEC. 10. The sample of milk, cream, or butter secured under the provisions of section 9 will be analyzed chemically according to the methods advocated by the Association of Official Agricultural Chemists, and bacteriologically by the methods advocated by the American Public Health Association, and reported on forms provided for that purpose. The products will then be scored in accordance with the following score cards for milk, cream, or butter:

Score card for market milk.

Vendor:..... Address:.....
Date:..... Permit No.....

NUMERICAL SCORE.

Flavor, 40.	Composition, 25.	Bacteria, 20.	Acidity, 5.	Appearance of package and contents, 10.	Perfect score 100. Inspector's score.

DESCRIPTIVE SCORE.

Flavor.	Composition.	Bacteria.	Acidity.	Packages and contents.
Excellent.	Perfect.	Perfect.	Perfect.	Perfect.
Good.	Fat, per cent.	Total, .....	.... per cent.	Foreign matter.
Fair.	Solids not fat,	Liquefiers,		Metal parts.
Bad.	per cent.			Unattractive.
Flat.				
Bitter.				
Weedy.				
Garlic.				
Silage.				
Manure.				
Smothered.				
Other taints.				

Score card for market cream.

Vendor:..... Address:.....

Date:..... Permit No.

NUMERICAL SCORE.

Flavor, 40.	Composition, 25.	Bacteria, 20.	Acidity, 5.	Appearance of package and contents, 10.	Perfect score 100. Inspector's score.
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DESCRIPTIVE SCORE.

Flavor.	Composition.	Bacteria.	Acidity.	Packages and contents.
Excellent. Good. Fair. Bad. Flat. Bitter. Weedy. Garlic. Silage Smothered. Manure. Other taints.	Perfect. Fat, per cent.	Perfect. Total, Liquefiers,	Perfect. per cent.	Perfect. Foreign matter. Metal parts. Unattractive. Lumpy. Frothy.

Score card for market butter.

Vendor:..... Address:.....

Permit No. Date:

QUALITY, 60.

	Perfect.	Allow.	Directions.
Flavor.....	27	.....	Deduct for objectionable flavor or odor.
Grain.....	15	.....	Deduct according to air spaces.
Color.....	9	.....	Deduct according to mottling.
Salt.....	6	.....	Deduct if under or over salted.
Package.....	3	.....	Allow sealed carton 3, wrapper 2, tub 1.

ANALYSIS, 40.

Butter fat.....	15	.....	85 per cent perfect; 1 credit off for every 0.5 per cent less. 82.5 per cent United States standard.
Moisture.....	10	.....	12 per cent perfect; 1 credit off for every 1 per cent more. 16 per cent United States standard.
Certification.....	10	.....	If marked "Certified butter" as defined by milk ordinance of Berkeley, allow 10.
Acidity.....	5	.....	2.00 or less, perfect; 5.00 allow 4, 10.00 allow 3, 15.00 allow 2, 20.00 allow 1.

Total score: Quality (.....) plus analysis (.....) equals

A duplicate copy of the herein mentioned score cards describing his product shall be mailed to the vendor from whom the sample was obtained.

SEC. 11. In addition to the standards of purity proclaimed by the Secretary of Agriculture, for milk products the following standards are hereby adopted in and for the city of Berkeley:

Certified milk (class I).—The use of this term shall be limited to milk certified by medical milk commissions organized according to the laws of the State of California.

Inspected milk (class II).—This term shall be limited to milk produced and sold under the following conditions:

(1) Any person desiring to produce inspected milk for sale in Berkeley shall make application to the board of health on blanks provided for the purpose.

(2) A permit will be granted by the board of health if it appears on the report of the milk inspector that the dairy farm, city milk plant and product of the applicant conform to the following regulations:

(a) A minimum score of 80 on dairy farm and 90 on city milk plant and product as determined by the official score cards described in section 5 of this ordinance shall be maintained.

(b) The herd shall be at all times free from diseases, determined from physical examination and annual tuberculin test by a licensed veterinarian designated by the board of health.

(c) No lower grade of milk than inspected milk shall be produced in any one dairy.

(d) Inspected milk shall be bottled in a room where no lower grade of milk is handled.

(e) Inspected milk shall be cooled to 50° F. and bottled at the dairy farm, or may be shipped in jacketed tanks cooled to 55° F. to the city milk plant and there bottled.

(f) Inspected milk shall be delivered to the consumer in paraffin sealed bottles at a temperature not to exceed 60° F.

(g) Inspected milk must not contain more than 100,000 bacteria per cc. at the time of delivery to consumer.

(h) In addition to the seal described in paragraph "f" the top of each bottle must be covered with a paper certificate bearing the following inscription: "Inspected milk, Berkeley board of health," together with a serial number.

(i) The certificates for use on milk bottles shall be furnished by the board of health at a cost of 50 cents per thousand.

(3) Any violation of these regulations will constitute ground for revocation of the special permit to produce inspected milk for sale in Berkeley.

Pasteurized milk (class III).—The use of this term shall be limited to milk produced and sold under the following regulations:

(1) Any person desiring to produce pasteurized milk for sale in Berkeley shall make application to the board of health on blanks provided for the purpose.

(2) A permit will be granted by the board of health if it appears on the report of the milk inspector that the pasteurizing machine of the applicant, in which he purposes to pasteurize the milk intended for sale in Berkeley, is equipped with a recording thermometer of a type acceptable to the board of health.

(3) Pasteurization of milk is hereby defined as follows:

Heating every portion of the milk to 140° F. and maintaining it at that temperature for 20 minutes.

(4) (a) All milk heated as provided in regulation 3 shall be plainly marked on each bottle or can in which such milk is delivered to the consumer, with a paper label bearing the inscription, "Pasteurized milk, Berkeley board of health," together with a serial number.

(b) These labels shall be printed by the board of health and sold to the dealer at a price of 50 cents a thousand.

(5) Pasteurization of milk shall not exempt any producer or dealer from any other provisions of this ordinance.

(6) The thermometric record of all pasteurization of milk shall become the property of the board of health and shall be collected by its authorized representative.

(7) Any violations of the regulations for the production of pasteurized milk shall result in a revocation of the permit to produce pasteurized milk for sale in Berkeley.

Certified butter (class I).—This term shall be limited to butter certified by a medical commission organized under the laws of the State of California.

SEC. 12. For the enforcement of this ordinance the office of milk inspector of the health department of the city of Berkeley is hereby created. No person shall be appointed milk inspector who has not passed a satisfactory examination conducted by the board of health covering the subjects of veterinary pathology, dairy bacteriology, dairy chemistry, and general hygiene.

SEC. 13. The board of health shall have power to revoke permits granted under the provisions of this ordinance, for the following causes:

(1) A score below 60 on dairy farm, dairy, place of business, or products maintained for three months.

(2) Misbranding products in violation of the standard established by the city of Berkeley for certified, inspected, or pasteurized milk, or certified butter.

(3) Maintaining any nuisance or unsanitary condition in dairy farm, dairy, or place of business.

(4) Persistent disregard of suggestions of the milk inspector, given with a view to improving the score of dairy farm, dairy, place of business, or product.

SEC. 14. 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 of not more than \$500, or by imprisonment for not more than 90 days, or by both such fine and imprisonment.

SEC. 15. Ordinance No. 495-A and all ordinances or parts of ordinances in conflict with this ordinance are hereby repealed.

SEC. 16. This ordinance is hereby declared to be urgent and necessary for the preservation of the public health and safety and to more fully protect and promote the public welfare, and shall take effect immediately upon its passage. [Ordinance adopted Apr. 7, 1911.]

JACKSONVILLE, FLA.

MILK—PRODUCTION, CARE, AND SALE.

SEC. 1. Every person, firm, or corporation desiring to sell or deliver milk or cream in the city of Jacksonville, shall make application annually to the city recorder for a milk license, paying therefor the sum of \$3, and the license therefor shall be issued at the time and in the manner as now provided by ordinance. Such application shall be made on a printed form prescribed by the city board of health, and the applicant, if an individual, shall state his or her full name and residence, and if a firm or corporation, shall state therein the full name and residence of each of its officers, place at which it is proposed to carry on the business, the number of wagons or other vehicles to be used in said business, and such other data as the city board of health shall require. The city recorder, upon receipt of such application, shall hand the same to the city health officer, who shall investigate, or have investigated, the place of business described in such application and the wagons and other vehicles, if any, intended to be used by such applicant. If such places of business, and such wagons or vehicles are found, upon such investigation, to be in a sanitary condition and fit for the use and purpose to which they are intended to be put, the city health officer shall, within 48 hours, report said applicant favorably to the city recorder, and the recorder shall issue a license to carry on, engage in, and conduct the business of vendors of milk in Jacksonville, at the place designated in such application only. All licenses granted pursuant to this ordinance may, at any time, be revoked by the city board of health, for the persistent, repeated or willful violation of any law or ordinance, or of any regulation of the board of health governing the sale of milk in the city: Provided, however, that no such license shall, at any time, be revoked by the city board of health, unless it shall have first given the holder of the same not less than 10 days notice in writing of its intention to revoke such license, and an opportunity to be heard why such should not be done. This proviso shall not be interpreted to apply to cases where the sale of milk or cream may be temporarily prohibited by the city health officer because of disease in the families where the milk is produced or handled, temporary unsanitary conditions or similar cases. Such licenses shall not be transferable and no license issued hereunder shall entitle or authorize the holder thereof to carry on, engage in, or conduct the business of vendor of milk in any place or places other than that described or set out in such license. The location of such place of business can be changed only on approval of the city board of health.

SEC. 2. The license to sell milk hereinbefore referred to shall be posted conspicuously in the applicant's place of business. Each wagon or other vehicle used by any vendor of milk shall have his name or the name of the firm or dairy printed in letters of readable size on each outer side, together with the license number, the latter to be in figures not less than 3 inches in height.

SEC. 3. The city board of health shall have power to adopt such reasonable regulation as it may deem proper and necessary to insure all milk and cream intended for consumption in the city being produced, stored and delivered under conditions rendering them suitable for consumption as human food, such regulations to apply to dairies or creameries from which milk and cream so intended for consumption in the city are produced, whether said creameries or dairies are situated within or outside the limits of the city. Copies of such regulations and ordinances relating to the sale of milk shall be printed and kept for free distribution to the public. The city board of health shall have power to prohibit the sale of milk or cream produced, stored, or delivered contrary to such regulations, and to the end that such regulations may be enforced the city board of health shall through its officers or agents, at least once each month, make an inspection of all dairy farms, stables or other places where milk or cream is produced, stored, or shipped for consumption in the city, and shall have the right at any time to inspect or have inspected milk offered for sale or intended for sale. Where full opportunity to make inspection is denied, or where upon inspection it is found that milk or cream is not produced, stored, or delivered in accordance with such regulations, the city board of health may prohibit the sale thereof in the city until such time as in its opinion the reason for such exclusion shall have ceased.

SEC. 4. The system of inspection employed by the city board of health shall be in accordance with the score card of the dairy division of the Bureau of Animal Industry of the United States Department of Agriculture.

SEC. 5. It shall be unlawful for any person or persons to adulterate milk offered for sale or sold within the limits of the city by mixing therewith water or any other substance, or to sell any milk from which the cream or any part thereof has been removed, except it be sold and labeled as skimmed; and no person shall, within the limits of the city, sell or offer for sale any milk of a diseased cow or of a cow two weeks before or five days after calving.

SEC. 6. All milk bottles or other containers shall be washed and thoroughly cleansed before being returned to any vendor of milk, and no bottles or other containers shall be filled with milk by any dealer or vendor of milk until they have been thoroughly cleansed and sterilized.

SEC. 7. No person selling or distributing milk or cream shall remove any empty milk bottle or container from any dwelling where contagious disease exists, except under such conditions as authorized by the city board of health.

SEC. 8. No vendor of milk or cream within the corporate limits of the city shall sell or deliver any milk or cream that does not come up to such standard of bacterial content as may be determined upon by the city board of health, but such standard shall not be higher than that prescribed by the dairy division of the United States Department of Agriculture.

SEC. 9. Every person engaged in the production, storage, or distribution of milk, immediately upon the occurrence of any case or cases of infectious or contagious disease, either in himself or family, or amongst his employees, or within the buildings or premises where milk is stored, sold, or distributed for use in the city, shall notify the city board of health and, at the same time, suspend the sale and distribution of milk until authorized to resume the same by the city health officer.

SEC. 10. No person shall offer, expose, or hold for sale, or deliver any milk or cream, within the corporate limits of the city, which registers a temperature above 50° Fahrenheit.

SEC. 11. No person shall distribute, sell, or have in his possession with intent to distribute or sell, any milk which contains less than 12 per cent of milk solids, or more than 88 per cent of watery fluids, or less than 3 per cent of milk fats, provided, however, that it shall not be unlawful for any person to distribute, sell, or have in his possession with intent to distribute or sell, in a container having a capacity of not more than 12 fluid ounces, milk especially prepared for infant or invalid feeding by adding thereto pure water, milk sugar, cereal starches, or other substances which shall not differ in purity, quality, or strength from the standard fixed by this ordinance, provided, that such milk shall be labeled "modified milk."

SEC. 12. It shall be unlawful for any vendor or distributor of milk or cream to transfer from one container to another any milk or cream for retail consumption at any point outside of the dairy or milk room of said vendor, where the filling of bottles or other containers may be done in compliance with the provisions of this ordinance.

SEC. 13. It shall be the duty of the city health officer to cause a complete record to be kept of all milk or cream, inspected or condemned, with reasons for condemnation and record of tests, showing the name of the inspector making the report. Such records shall be open for inspection by any owner or manager of any dairy or creamery or of any vendor of milk or cream, also to the general public during reasonable office hours.

SEC. 14. It shall be the duty of the budget committee each year to provide the sum of \$3,200 to be used by the city board of health to defray the expenses incident to the bacteriological examinations and dairy inspection necessary to the enforcement of this ordinance.

SEC. 15. There shall be appropriated \$500 to be expended by the city board of health for the furnishing and equipment of a chemical and bacteriological laboratory for the carrying out of the tests and examinations necessary to the proper enforcement of this ordinance.

SEC. 16. Any person, who shall violate any provision of this ordinance, shall, on conviction in the municipal court, for each offense, be punished by a fine of not less than \$5 nor more than \$100, or by imprisonment of not less than 10 days nor more than 60 days. Upon a second conviction in the municipal court during any license year, the city board of health may, at its discretion, revoke the license of such person, firm, or corporation for the remainder of the license year.

SEC. 17. In all cases where the city health officer is authorized to act under this ordinance his acts shall be final until changed, modified, or reversed by the city board of health.

SEC. 18. This ordinance shall go into effect and become operative on the 1st day of October, 1910. [Ordinance adopted May 17, 1910.]

YOUNGSTOWN, OHIO.

MILK—APPLICATION OF TUBERCULIN TEST TO DAIRY CATTLE.

SECTION 1. *Who may make the tests.*—Tuberculin test made on animals supplying the city of Youngstown with milk or milk products shall be made by persons who are entitled under the laws of the State of Ohio to practice veterinary surgery.

SEC. 2. *Preparing for the test.*—Before beginning to make the tests the animal must be securely tied up by the head either in a stanchion or with a rope or chain. The veterinary shall not proceed to make the test until any abnormal heat caused by exercise, excitement or worry, etc., shall have been reduced and until the animal is thoroughly cooled off. The veterinarian shall, before beginning to inject the tuberculin, see that his hands and all instruments employed are thoroughly disinfected, and the syringe needle must be dipped into an antiseptic solution between injections.

SEC. 3. *Taking the temperature before inoculation.*—The regular injection method of tuberculin tests shall be employed. The temperature shall be taken at least three times on the day preceding or the day of the inoculation at two-hour intervals, and if from any cause the temperature of the animal to be tested should be abnormal or very irregular, the test of that particular animal shall not continue, as the result may be inaccurate, but shall be reduced at a later period.

SEC. 4. *The inoculation and the taking of the temperatures thereafter.*—The tuberculin shall be injected under the skin with an ordinary hypodermic syringe at the conclusion of the temperature tests mentioned in section 3, and beginning between nine and ten hours after such inoculation the temperature of the animal shall be taken four times at two-hour intervals. The temperature tests so reported shall be interpreted as follows:

(a) When a raise of two or more degrees above the highest temperature before inoculation is recorded on the first, second, and third tests of temperature after inoculation, then the animal shall have been considered to have reacted positively.

(b) When a raise of two or more degrees above the highest temperature before inoculation is recorded on the second, third, and fourth tests of temperature after inoculation, then the animal shall have been considered to have reacted positively.

(c) When a raise of two or more degrees above the highest temperature before inoculation is recorded on the third and fourth tests after inoculation then a fifth test of temperature must be taken, and if the fifth test of temperature is two or more degrees above the highest before inoculation then the animal shall have been considered to have reacted positively.

(d) When only two tests are recorded with a raise of two or more degrees above the highest temperature then the animal shall be considered to have reacted negatively, unless other animals in the same herd shall have reacted positively, when such animal shall be considered suspicious to be separated from the rest of the herd and retested six weeks later.

(e) If less than two degrees above the highest temperature before inoculation is recorded after inoculation upon four observations then the animal shall be considered to have reacted negatively, unless other animals in the herd shall have reacted positively, when such animal shall be regarded as suspicious to be separated from the rest of the herd and subsequently retested.

(f) Animals added to a herd must be kept separate and tested at the expiration of six weeks.

SEC. 5. *The tagging of animals.*—All animals supplying the city of Youngstown with milk or milk products shall be tested at least every 12 months and all tested animals which are tubercular free shall have placed upon them at the time of making the test by the veterinary who made said test an indestructible tag, adopted as the official tag by the board of health and which shall be obtained by the veterinary making said test at the office of the board of health.

SEC. 6. *Statement to be submitted.*—A sworn statement must be filed with the Bureau of Milk Inspection signed by the veterinary making such test for every tuberculin-tested animal supplying the city of Youngstown with milk or milk products. This statement must also state the age and color of the animal and any other distinctive marks shown by the animal. In addition, the statement must show the temperature record of the animal at each temperature test taken preceding and following the inoculation, the date and the exact time of taking these temperatures, and the date and time of making the injection, the amount and kind of tuberculin used; the name and address of the owner and the address of the person making such test shall also be placed upon said statement. The statement submitted shall also indicate the date of the last tuberculin test made upon the animal, the length of time the animal has been in the herd, and the name of the previous owner. [Regulation, board of health, adopted Apr. 13, 1910.]

PLAGUE-PREVENTION WORK.

DISTRIBUTION OF POISON.

In connection with the making and maintenance of a squirrel-free zone around the cities of California on San Francisco Bay 9,220 acres of land in Alameda County were covered with poison during the week ended November 18, 1911.

During the same period 10,360 acres of land in San Joaquin County and 7,740 acres in Stanislaus County were covered with poison for the purpose of eradicating plague foci.

RECORD OF PLAGUE INFECTION.

Places.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number of rodents found infected since May, 1907.
California:				
Cities—				
San Francisco.....	Jan. 30, 1908.....	Oct. 23, 1908.....	None.....	398 rats.
Oakland.....	Aug. 9, 1911.....	Dec. 1, 1908.....	do.....	126 rats.
Berkeley.....	Aug. 27, 1907.....	None.....	do.....	None.
Los Angeles.....	Aug. 11, 1908.....	do.....	Aug. 21, 1908.....	1 squirrel.
Counties—				
Alameda (exclusive of Oakland and Berkeley).	Sept. 26, 1909.....	Wood rat, Oct. 17, 1909.	Oct. 9, 1911.....	114 squirrels and 1 wood rat.
Contra Costa.....	July 21, 1911.....	None.....	Sept. 23, 1911.....	364 squirrels.
Merced.....	None.....	do.....	July 13, 1911.....	5 squirrels.
Monterey.....	do.....	do.....	Aug. 6, 1911.....	Do.
San Benito.....	June 5, 1910.....	do.....	June 8, 1911.....	22 squirrels.
San Joaquin.....	Sept. 13, 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.
Washington:				
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—					
San Francisco.....	Nov. 18.....	13	1 1,714	1,262	.....
Oakland.....	do.....	15	2 652	444	.....
Berkeley.....	do.....	.....	3 162	93	.....
Fresno.....	do.....	.....	4 51	51	.....
Counties—					
Fresno.....	do.....	.....	5 15	15	.....
Santa Clara.....	do.....	.....	6 77	77	.....
Stanislaus.....	do.....	.....	7 43	43	.....
Washington:					
City—					
Seattle.....	do.....	.....	1,131	950	.....

¹ Identified: *Mus norvegicus*, 905; *Mus rattus*, 225; *Mus alexandrinus*, 217; *Mus musculus*, 367.

² Identified: *Mus norvegicus*, 554; *Mus rattus*, 97.

³ Identified: *Mus norvegicus*, 199; *Mus musculus*, 63.

⁴ Identified: *Mus alexandrinus*, 51.

⁵ Identified: *Mus musculus*, 15.

⁶ Identified: *Mus norvegicus*, 75; *Mus musculus*, 2.

⁷ Identified: *Mus alexandrinus*, 41; *Mus musculus*, 2.

SQUIRRELS COLLECTED AND EXAMINED FOR PLAGUE INFECTION.

Places.	Week ended—	Shot or trapped.	Found dead.	Examined.	Found infected.
California:					
Counties—					
Alameda.....	Nov. 18, 1911	.....	144	144	.....
Kern.....	do.	10	.....	10	.....
Merced.....	do.	147	.....	147	.....
Fresno.....	do.	15	.....	15	.....
San Benito.....	do.	86	.....	86	.....
San Joaquin.....	do.	82	.....	82	.....
Stanislaus.....	do.	125	.....	125	.....
Total.....		465	144	609	.....

OTHER ANIMALS COLLECTED AND EXAMINED.

Places.	Week ended—	Animals collected.	Examined.	Found infected.
California:				
Counties—				
Fresno.....	Nov. 18, 1911	1 rabbit.....	1	.....
Kern.....	do.	1 weasel.....	1	.....
Do.....	do.	1 gopher.....	1	.....
Merced.....	do.	2 rabbits.....	2	.....
San Joaquin.....	do.	11 rabbits.....	11	.....
Stanislaus.....	do.	4 rabbits.....	4	.....
Total.....			20	.....

SMALLPOX IN THE UNITED STATES.

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

REPORTS RECEIVED DURING WEEK ENDED DEC. 8, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
California:				
Counties—				
Fresno.....	Oct 1-31.....	6	.....
Los Angeles.....	do.....	1	.....
Marin.....	do.....	1	.....
San Bernardino.....	do.....	1	.....
San Luis Obispo.....	do.....	1	.....
Siskiyou.....	do.....	1	.....
Total for State.....		11	.....
*Missouri:				
Kansas City.....	Oct. 1-31.....	1	1	
*Rhode Island:				
Providence.....	Nov. 13-19.....	1	.....
South Dakota:				
Counties—				
Clay.....	Oct. 1-31.....	2	.....
Lawrence.....	do.....	2	.....
Total for State.....		4	.....

SMALLPOX IN THE UNITED STATES—Continued.

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

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

Places.	Date.	Cases.	Deaths.	Remarks.
*Alabama:				
Mobile.....	June 18-24.....	3	.....
Montgomery.....	June 25-Aug. 30....	6	.....
Total for State.....		9	.....
Arizona:				
County—				
Cochise.....	July 1-31.....	7	.....	Aug. 1-31, no cases.
California:				
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:				
Middlesex County.....	July 1-Aug. 31....	2	.....
District of Columbia:				
	July 2-8.....	5	.....
Florida:				
Counties—				
Alachua.....	Aug. 20-Nov. 18....	5	.....
Bradford.....	July 17-Sept. 30....	8	.....
Citrus.....	July 9-Oct. 21....	4	.....
Columbia.....	July 2-Nov. 11....	2	.....
De Soto.....	June 16-Aug. 26....	7	.....
Duval.....	June 16-Sept. 23....	44	1	
Escambia.....	June 16-Aug. 26....	7	.....
Gadsden.....	July 9-Sept. 23....	72	.....
Hillsboro.....	June 16-Aug. 26....	3	.....

SMALLPOX IN THE UNITED STATES—Continued.

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

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

SMALLPOX IN THE UNITED STATES—Continued.

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

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

SMALLPOX IN THE UNITED STATES—Continued.

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

Places.	Date.	Cases.	Deaths.	Remarks.
Maryland				Oct. 1-31, no cases.
Counties—				
Frederick.....	July 1-31.....	3		
Prince Georges.....	do.....	1		
Washington.....	June 1-30.....	1		
Total for State.....		5		
Massachusetts				No cases in July and October.
Counties—				
Bristol.....	Sept. 1-30.....	1		
Middlesex.....	June 1-30.....	1		
Total for State.....		2		
Michigan:				
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		
Millford.....	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		
Minnesota:				
Counties—				
Ramsey.....	Mar. 1-31.....		1	
Brown.....	May 1-31.....		1	
Carver.....	June 20-26.....	2		
Chisago.....	June 1-5.....	1		
Dodge.....	Oct. 19-23.....	1		
Faribault.....	July 4-Sept. 25.....	5		
Fillmore.....	June 6-17.....	2		
Goodhue.....	June 6-Oct. 23.....	3		
Hennepin.....	July 25-31.....	1		
Houston.....	June 1-Oct. 30.....	60		
Isanti.....	July 25-31.....	1		
Lac qui Parle.....	Oct. 24-30.....	1		
Mille Lacs.....	June 1-19.....	4		
Otter Tail.....	June 1-5.....	1		
Ramsey.....	June 1-Sept. 18.....	8		
Redwood.....	June 1-Oct. 30.....	130		
Rock.....	Aug. 15-21.....	1		
St. Louis.....	Aug. 29-Sept. 4.....	1		
Scott.....	June 21-Oct. 23.....	17		
Wadena.....	Oct. 9-16.....	5		
Yellow Medicine.....	July 11-Aug. 7.....	3		
Total for State.....	June 1-26.....	35		
		282	2	
*Missouri:				
Kansas City.....	June 1-Aug. 31.....	22	1	
St. Louis.....	June 18-Sept. 2.....	2		
Total for State.....		24	1	
Montana				June 1-30, no cases.
Counties—				
Beaverhead.....	July 1-31.....	1		
Cascade.....	do.....	1		
Jefferson.....	do.....	4		
Park.....	do.....	1		
Powell.....	do.....	2		

SMALLPOX IN THE UNITED STATES—Continued.

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

Places.	Date.	Cases.	Deaths.	Remarks.
Montana—Continued.				
Counties—Continued.				
Silver Bow.....	July 1-31.....	3		
Teton.....	.....do.....	3		
Yellowstone.....	.....do.....	1		
Total for State.....		16		
*Nebraska:				
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		
New Jersey.....				
Counties—				No cases in June, August, and October.
Cumberland.....	Sept. 1-30.....	1	1	
Middlesex.....	July 1-31.....	1		
Total for State.....		2	1	
New York.....	June 1-30.....	1		
Counties—				
Albany.....	Sept. 1-30.....	2		
Cattaraugus.....	July 1-Oct. 31.....	10		
Erie.....	June 1-Oct. 31.....	29		
Clinton.....	June 1-30.....	1		
Franklin.....	.....do.....	1		
Jefferson.....	Aug. 1-31.....	1		
Monroe.....	June 1-30.....	4		
New York.....	Oct. 1-31.....	1		
Onondaga.....	June 1-Aug. 31.....	10		
Otsego.....	June 1-30.....	1		
St. Lawrence.....	.....do.....	4		
Schoharie.....	July 1-31.....	11		
Steuben.....	July 1-Sept. 30.....	9		
Tioga.....	June 1-30.....	1		
Ulster.....	.....do.....	5		
Wayne.....	July 1-31.....	1		
Wyoming.....	July 1-Oct. 31.....	7		
Total for State.....		90		
North Carolina:				
Counties—				
Alamance.....	June 1-July 31.....	2		
Anson.....	Sept. 1-30.....	16		
Avery.....	June 1-July 31.....	56		
Bertie.....	.....do.....	2		
Catawba.....	June 1-Sept. 30.....	3		
Chatham.....	June 1-Aug. 31.....	2		
Craven.....	.....do.....	3		
Cumberland.....	June 1-Sept. 30.....	9		
Currituck.....	July 1-31.....	1		
Duplin.....	.....do.....	3		
Durham.....	July 1-Aug. 31.....	5		
Edgecombe.....	June 1-30.....	4		
Forsyth.....	Sept. 1-30.....	1		
Granville.....	July 1-Sept. 30.....	29		
Guliford.....	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		

SMALLPOX IN THE UNITED STATES—Continued.

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

Places.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Counties—Continued.				
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	.....
Cavaller.....	Sept. 1-30.....	4	.....
Grand Forks.....	do.....	2	.....
Lamoure.....	July 1-Sept. 30....	7	.....
McKenzie.....	Aug. 1-31.....	1	.....
Morton.....	June 1-30.....	1	.....
Mountrail.....	do.....	6	.....
Nelson.....	Aug. 1-31.....	4	.....
Ward.....	June 1-30.....	1	.....
Total for State.....		39	.....
Ohio:				
Counties—				
Allen.....	Sept. 1-30.....	5	.....
Ashtabula.....	June 1-July 31....	3	.....
Brown.....	June 1-30.....	4	.....
Clark.....	July 1-31.....	19	.....
Clermont.....	June 1-30.....	3	.....
Defiance.....	June 1-Oct. 31....	1	.....
Franklin.....	July 1-31.....	44	.....
Geauga.....	June 1-30.....	2	.....
Hamilton.....	July 1-Sept. 30....	21	.....
Licking.....	July 1-31.....	1	.....
Lorain.....	do.....	5	.....
Lucas.....	July 1-Aug. 31....	6	.....
Pickaway.....	July 1-31.....	3	.....
Ross.....	Aug. 1-31.....	9	.....
Sandusky.....	June 1-30.....	4	.....
Total for State.....		149	.....
Oklahoma:				
Counties—				
Beckham.....	Sept. 1-30.....	1	.....
Bryan.....	June 1-30.....	1	.....
Caddo.....	May 1-31.....	1	.....
Carter.....	June 1-30.....	1	.....
Cleveland.....	May 1-June 30....	49	.....
Comanche.....	June 1-Aug. 31....	9	.....
Craig.....	June 1-30.....	6	.....
Custer.....	May 1-31.....	5	.....
Dewey.....	do.....	6	.....
Ellis.....	June 1-30.....	3	.....
Garvin.....	May 1-31.....	19	.....
Haskell.....	May 1-July 31....	9	.....
Hughes.....	May 1-Aug. 31....	9	.....
Jefferson.....	May 1-June 30....	7	.....
Johnson.....	May 1-31.....	3	.....
Kay.....	do.....	6	.....
Kingfisher.....	do.....	1	.....
Kiowa.....	do.....	1	.....
Le Flore.....	May 1-June 30....	3	.....
Logan.....	June 1-30.....	1	.....
McClain.....	May 1-31.....	18	.....
McIntosh.....	do.....	1	.....
Nowata.....	May 1-June 30....	2	.....
Okfuskee.....	May 1-31.....	1	.....
Oklahoma.....	May 1-Sept. 30....	11	.....
Pittsburg.....	June 1-30.....	1	.....
Pontotoc.....	May 1-Sept. 30....	6	.....
Pottawatomie.....	June 1-30.....	3	.....
Pushmataha.....	May 1-31.....	2	.....
Roger Mills.....	May 1-June 30....	6	.....
Rogers.....	July 1-31.....	1	.....
Seminole.....	May 1-June 30....	16	.....
Sequayah.....	Aug. 1-31.....	3	.....

SMALLPOX IN THE UNITED STATES—Continued.

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

Places.	Date.	Cases	Deaths.	Remarks.
Oklahoma—Continued.				
Counties—Continued.				
Tulsa.....	May 1-Aug. 31....	11	.....
Wagoner.....	May 1-31.....	1	.....
Washington.....	June 1-30.....	1	.....
Washita.....	May 1-June 30....	2	.....
Woodward.....	May 1-31.....	1	.....
Total for State.....		228	.....
Oregon:				
Counties—				
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	.....
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	.....
South Dakota:				
Counties—				
Aurora.....	June 1-July 31....	3	.....
Beadle.....	May 1-31.....	13	.....
Brookings.....	Apr. 1-30.....	9	.....
Brown.....	Apr. 1-June 30....	10	.....
Brule.....	Apr. 1-May 21....	6	.....
Charles Mix.....	June 1-30.....	1	.....
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	
Tennessee:				
Counties—				
Knox—				
Knoxville.....	June 18-July 22...	9	.....
Shelby.....	June 1-Aug. 31....	10	.....
Total for State.....		19	.....

SMALLPOX IN THE UNITED STATES—Continued.

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

Places.	Date.	Cases.	Deaths.	Remarks.
Texas.....	(May 1-31.....	12		
	(July 1-31.....	1	1	
Counties—				
Brazoria.....	Aug. 1-Sept. 30....	5		
Bell.....	June 1-30.....	2		
Cameron.....	May 1-Aug. 31.....	34		
Childress.....	June 1-30.....	1		
Collin.....	May 1-31.....	5		
Dallas.....	do.....	13		
Denton.....	Apr. 1-May 31.....	5		
Eastland.....	Aug. 1-31.....	5		
El Paso.....	May 1-July 31.....	11		
Floyd.....	May 1-31.....	3		
Galveston.....	May 1-June 30.....	7		
Hale.....	Sept. 1-30.....	1		
Hall.....	May 1-June 30.....	4		
Harris.....	May 1-Aug. 31.....	6		
Hidalgo.....	May 1-31.....	3		
Hunt.....	June 1-July 31.....	5		
Marion.....	May 1-31.....	1		
McLennan.....	do.....	1		
Navarro.....	do.....	32		
Nueces.....	do.....	5		
Tarrant.....	May 1-June 30.....	9		
Titus.....	May 1-31.....	5		
Victoria.....	July 1-31.....	1		
Wayne.....	June 1-30.....	5		
Wharton.....	Sept. 1-30.....	1		
Wichita.....	May 1-31.....	6		
Total for State.....		189	1	
Utah:				
Counties—				
Beaver.....	May 1-July 31.....	18		
Boxelder.....	do.....	31		
Cache.....	May 1-June 30.....	14		
Carbon.....	May 1-Sept. 30.....	118	2	
Emery.....	May 1-Oct. 31.....	118	1	
Garfield.....	May 1-Aug. 31.....	20		
Juab.....	July 1-Sept. 30.....	6		
Piute.....	May 1-31.....	9		
Rich.....	July 1-31.....	16		
Salt Lake.....	May 1-Oct. 31.....	45		
Sanpete.....	do.....	67		
Sevier.....	do.....	57		
Tooele.....	May 1-June 30.....	33		
Uinta.....	May 1-Oct. 31.....	28		
Utah.....	May 1-July 31.....	18	1	
Washington.....	do.....	1		
Weber.....	do.....	11		
Wayne.....	Oct. 1-31.....	4		
Total for State.....		615	4	
Virginia:				
Counties—				
Augusta.....	Aug. 1-Oct. 31.....	13		
Brunswick.....	Mar. 1-Oct. 31.....	52		
Campbell.....	May 1-Aug. 31.....	2		
Chesterfield.....	Sept. 1-30.....	1		
Dinwiddie.....	Apr. 1-May 31.....	19		
Essex.....	Aug. 1-31.....	1		
Fairfax.....	Mar. 1-Oct. 31.....	8		
Fauquier.....	Apr. 1-May 30.....	6		
Grayson.....	Sept. 1-30.....	2		
Greenville.....	July 1-31.....	4		
Halifax.....	Aug. 1-31.....	1		
Hanover.....	Mar. 1-July 31.....	3		
Henrico.....	Mar. 1-Aug. 31.....	17		
Henry.....	do.....	77		
Isle of Wight.....	May 1-31.....	1		
Lancaster.....	do.....	1		
Lee.....	Mar. 1-Oct. 31.....	111		
Loudoun.....	Mar. 1-31.....	1		
Mecklenberg.....	Mar. 1-Oct. 31.....	31		
Nansemond.....	Mar. 1-Sept. 30.....	27		
Norfolk.....	Apr. 1-Oct. 31.....	28		
Northampton.....	Apr. 1-30.....	1		
Page.....	do.....	8		
Pittsylvania.....	Mar. 1-July 31.....	46		

SMALLPOX IN THE UNITED STATES—Continued.

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

Places.	Date.	Cases.	Deaths.	Remarks.
Virginia—Continued.				
Counties—Continued.				
Prince William.....	Mar. 1-31.....	1		
Princess Anne.....	do.....	1		
Roanoke.....	May 1-31.....	1		
Southampton.....	Mar. 1-Sept. 30.....	12		
Spotsylvania.....	Sept. 1-30.....	1		
Surry.....	Mar. 1-31.....	2		
Sussex.....	Mar. 1-June 30.....	7		
Wise.....	do.....	15		
Total for State.....		501		
Washington:				
Counties—				
Adams.....	June 1-30.....	1		
Benton.....	July 1-31.....	2		
Chehalis.....	May 1-Aug. 31.....	5		
Chelan.....	do.....	3		
Challam.....	June 1-30.....	2		
Columbia.....	May 1-Sept. 30.....	6		
Cowlitz.....	do.....	5		
Garfield.....	May 1-July 31.....	5		
Ferry.....	Sept. 1-30.....	1		
King.....	May 1-Sept. 30.....	94		
Kitsap.....	June 1-30.....	2		
Kittitas.....	July 1-31.....	2		
Lewis.....	June 1-30.....	2		
Mason.....	May 1-June 30.....	33		
Okanogan.....	June 1-30.....	2		
Pend Oreille.....	Sept. 1-30.....	2		
Pierce.....	May 1-Sept. 30.....	13		
San Juan.....	May 1-31.....	1		
Skagit.....	May 1-Sept. 30.....	6		
Skamania.....	June 1-30.....	1		
Spokane.....	May 1-Sept. 30.....	16		
Thurston.....	May 1-31.....	1		
Whatcom.....	do.....	5		
Whitman.....	do.....	17		
Yakima.....	May 1-Sept. 30.....	99		
Total for State.....		326		
Wisconsin				
Counties—				
Ashland.....	June 1-30.....	1		
Barron.....	June 1-Aug. 31.....	4		
Bayfield.....	Oct. 1-31.....	1		
Douglas.....	June 1-Oct. 31.....	50		
Iowa.....	June 1-30.....	8		
Milwaukee.....	do.....	1		
Pierce.....	Aug. 1-Sept. 30.....	10		
Vilas.....	June 1-30.....	1		
Winnebago.....	Oct. 1-31.....	1		
Wood.....	June 1-Oct. 31.....	13		
Total for State.....		90		
Grand total for the United States.....		4,998	35	

July 1-31, no cases.

PLAGUE IN THE UNITED STATES.

REPORTS RECEIVED FROM JULY 25 TO DEC. 1, 1911.

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

MORBIDITY AND MORTALITY.

MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES, FOR WEEK ENDED NOVEMBER 18, 1911.

Cities.	Popula- tion, United States census 1910.	Total deaths from all causes.	Diph- theria.		Measles.		Scarlet fever.		Small- pox.		Tuber- culosis.		Ty- phoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cities having over 500,000 inhabitants.														
Baltimore, Md.	558,485	191	35	1	24	1	43	23	24	7				
Boston, Mass.	670,585	185	42	3	32	1	22	1	59	15	8	3		
Chicago, Ill.	2,186,283	253	23	18	1	115	3	180	76	33	3			
Cleveland, Ohio.	560,663	149	50	5	4	46	1	15	17	9	3			
New York, N. Y.	4,766,883	1,284	247	28	167	5	95	2	502	160	126	13		
Philadelphia, Pa.	1,549,008	474	98	11	18	28	2	82	47	20	2			
Pittsburgh, Pa.	533,905	138	59	3	18	22	2	21	12	27	8			
St. Louis, Mo.	687,029	199	29	1	14	23		23	16	14	4			
Cities having from 300,000 to 500,000 inhabitants.														
Buffalo, N. Y.	423,715	131	27	2	39	16	1	22	14	15	2			
Cincinnati, Ohio.	364,463	101	26	1	19	8	2	26	11	8				
Detroit, Mich.	465,766	111	34	4	8	19	1	17	13	10				
Los Angeles, Cal.	319,198	80	22	1	13	35	1	6	17	4				
Milwaukee, Wis.	373,857	98	18	8	35	12	1	26	17	4				
Newark, N. J.	347,469	96	31	2	12	17	1	13	14	2				
New Orleans, La.	339,075	134	13	3	1	3	3	26	10	9				
San Francisco, Cal.	416,912	129	5	70	1	9	1	19	15	18				
Washington, D. C.	331,069	121	14	1	3									
Cities having from 200,000 to 300,000 inhabitants.														
Denver, Colo.	213,381	56	35	1	3	7	2	10	5	5				
Providence, R. I.	224,326	54	20	1	2	7	1	1	5	12				
Seattle, Wash.	237,194	39	25	1				5	6					
Cities having from 100,000 to 200,000 inhabitants.														
Bridgeport, Conn.	102,054	23	3			1		4	2					
Cambridge, Mass.	104,839	36	6	2	2	1		3	3					
Columbus, Ohio.	181,548	59	12	4	1	7		16	4	7				
Dayton, Ohio.	116,577	35			3			1	4	1				
Fall River, Mass.	119,295	34	5			4		8	1	1				
Grand Rapids, Mich.	112,571	30	2			1		2	1	7				
Lowell, Mass.	106,294	37	1		3	11		4	3	2				
Nashville, Tenn.	110,364	40	2		2	6	1	3	6	4				
Omaha, Nebr.	124,096	24	9	1	1	2								
Spokane, Wash.	104,402	6	1	1	1	3	9			6				
Toledo, Ohio.	168,497	50	9		1	12		5	3	1				
Worcester, Mass.	145,986	32	9		1	6		7	4					
Cities having from 50,000 to 100,000 inhabitants.														
Altoona, Pa.	52,127	13	6			1		1						
Brookton, Mass.	56,878	12			3	4		2	3					
Camden, N. J.	94,538	6				1				2				
Duluth, Minn.	78,466	14	1			3	4	2		4	2			
Elizabeth, N. J.	73,409	19	2		11	7		2	2	1				
Erie, Pa.	66,525	32	5	2				2	3	1				
Evansville, Ind.	69,647	19	4					5	5					
Harrisburg, Pa.	64,186	26	10					10	4	1				
Hartford, Conn.	98,915	29	13			4		1	1	5				
Hoboken, N. J.	70,324	12	4			2		6						
Houston, Tex.	78,500	24	1			2			1					
Johnstown, Pa.	55,482	14	3	1		4			1	5				
Kansas City, Kans.	82,331	5			1	1		2	1	8				
Lawrence, Mass.	85,892	20	6			3			1					
Lynn, Mass.	89,336	24	11			6		6	4	1				
Manchester, N. H.	70,063	17	4		10	1		2	2	1				
New Bedford, Mass.	96,652	26	1			1		5	1					
Oklahoma City, Okla.	64,205	24	2	1	2	6				1	5			
Peoria, Ill.	66,950	19	7	2				4						

Morbidity and mortality table, cities of the United States, for week ended November 18, 1911—Continued.

Cities.	Popula- tion, United States census 1910.	Total deaths from all causes.	Dipha- 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 from 50,000 to 100,000 inhabitants—Continued.</i>								
Reading, Pa.	96,071	21	5	1	1		2	3
San Antonio, Tex.	96,614	38	3		3		7	4
Schenectady, N. Y.	72,826	17	1				5	3
South Bend, Ind.	53,684	12						2
Springfield, Ill.	51,678	16	4	1			1	3
Springfield, Mass.	88,926	19	1		8	3		1
Trenton, N. J.	96,815	39	5		3		5	15
Wilkes-Barre, Pa.	67,105	22	9	1	18	2	5	1
Wilmington, Del.	87,411	33					4	4
Yonkers, N. Y.	79,803	20	6		11	14	2	1
<i>Cities having from 25,000 to 50,000 inhabitants.</i>								
Atlantic City, N. J.	46,150	14	2	1	2	1		
Auburn, N. Y.	34,668	23					2	4
Aurora, Ill.	29,807	8						1
Berkeley, Cal.	40,434	8					2	
Bloomington, Ill.	25,768	23	3					1
Brookline, Mass.	27,792	2		1		4	1	2
Butte, Mont.	39,165	12	2			5	1	1
Chattanooga, Tenn.	44,604		2			1		3
Chelsea, Mass.	32,452	12	3			2	2	1
Chicopee, Mass.	25,401	3	1					
Danville, Ill.	27,871	7	5	2		1		
Dubuque, Iowa.	38,494	6	2					
East Orange, N. J.	34,371	5	3			1	1	1
Elmira, N. Y.	37,176	7	1					
El Paso, Tex.	39,279	20	2			2	3	4
Everett, Mass.	33,484	10	3			3		1
Haverhill, Mass.	44,115	14	1			2	1	1
Kalamazoo, Mich.	39,437	17					1	3
Knoxville, Tenn.	36,346	18	2			2	2	1
La Crosse, Wis.	30,417		2			1		1
Lancaster, Pa.	47,227	19		1		2	1	1
Lexington, Ky.	35,099	21	6		2			5
Lynchburg, Va.	29,494	11		2		8	3	3
Malden, Mass.	44,404	9	2	2		9		
Montgomery, Ala.	38,136	25	9			1	2	
Mount Vernon, N. Y.	30,919		1		9	1		1
Newcastle, Pa.	36,280		18			2	1	7
Newport, Ky.	30,309	11	2			4	1	
Newton, Mass.	39,606	11		7		1		
Niagara Falls, N. Y.	30,445	11	2				1	
Norristown, Pa.	27,875	14	1		7			2
Orange, N. J.	29,630	9	3		1	3	1	1
Pasadena, Cal.	30,291		1				18	
Pittsfield, Mass.	32,121	10	6			1	1	
Portsmouth, Va.	33,190	10	5			2		1
Racine, Wis.	38,002	13	1					
Roanoke, Va.	34,874	9	11	1	1	5	1	7
Rockford, Ill.	45,401	12	5			3		12
Sacramento, Cal.	44,696	23				1	2	2
Salem, Mass.	43,697	15					1	1
San Diego, Cal.	39,578	12	2			1	2	
South Omaha, Nebr.	26,259	9	5	1		2	1	
Superior, Wis.	40,384	5	1			2		
Taunton, Mass.	34,259	7	1					1
Waltham, Mass.	27,834	8			16	1	1	
West Hoboken, N. J.	35,403		1			1		
Wheeling, W. Va.	41,641	13	7		3		3	1
Williamsport, Pa.	31,860	9	1			2		2
Wilmington, N. C.	25,748	12			1		1	1
York, Pa.	44,750						4	

MORBIDITY AND MORTALITY—Continued.

Morbidity and mortality table, cities of the United States, for week ended November 18, 1911—Continued.

Cities.	Popula- tion, United States census 1910.	Total deaths from all causes.	Diph- theria.		Measles.		Scarlet fever.		Small- pox.		Tuber- culosis.		Ty- phoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cities having less than 25,000 inhabitants.														
Ann Arbor, Mich.	14,817	9	1				1							
Beaver Falls, Pa.	12,191	0	2				1						1	
Bernington, Vt.		2	3				2							
Braddock, Pa.	19,957	6	6	1								1		
Butler, Pa.	20,782	8	2										1	
Cambridge, Ohio.	11,327	2			1							1		
Camden, S. C.		1					1							
Carbondale, Pa.	17,040	6					2							
Clinton, Mass.	13,075	1												
Coffeyville, Kans.	12,987		1	1			1				2	1		
Columbus, Ga.	20,554	11										1		
Columbus, Ind.		5	2	1										1
Concord, N. H.	21,497	7												
Cumberland, Md.	21,839	10	1				1						6	
Dunkirk, N. Y.		1	1				2							
Galesburg, Ill.	22,089	8	8	1							1	1		
Greensboro, N. C.	15,895	5												5
Harrison, N. J.	14,498	4					3							
Hyde Park, Mass.	15,507	3									2	1		
Kearny, N. J.	18,659	8	5											
La Fayette, Ind.	12,081	6										1	1	
Lebanon, Pa.	19,240		7	2										
Marquette, Wis.	14,610	3	1		6		2						3	
Marlboro, Mass.	14,479	1	1											
Massillon, Ohio.	13,879	0	1											
Medford, Mass.	23,150	6	2	1			1					1	1	
Melrose, Mass.	15,715	5	1								1			
Moline, Ill.	24,199	4	1								1			
Montclair, N. J.	21,150	5	1				2				3		2	
Morristown, N. J.	12,507	4												
Nanticoke, Pa.	18,857	4	4	1	8									
Newburyport, Mass.	19,940	8	2									1		
North Adams, Mass.	22,019	8												1
Northampton, Mass.	19,431	8										1		
Ottumwa, Iowa.	22,012	10												1
Palmer, Mass.		4												
Peekskill, N. Y.		4												
Plainfield, N. J.	22,550	2											1	
Pottstown, Pa.		5												
Saratoga Springs, N. Y.		7												
Steelton, Pa.	14,246	2	10	1							5	3	1	
South Bethlehem, Pa.	19,973	3	5	1	2						2	1	3	
Wilkinsburg, Pa.	18,924	3	1				1				1		1	1
Woburn, Mass.	15,608	2										1		

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

KANSAS.—Month of September, 1911. Population, 1,690,949. Total number of deaths from all causes not reported. The deaths include diphtheria 8, scarlet fever 1, tuberculosis 10, typhoid fever 17. Cases reported: Diphtheria 76, measles 19, scarlet fever 45, smallpox 25, tuberculosis 203, typhoid fever 331.

MICHIGAN.—Month of October, 1911. Population, 2,810,173. Cases of communicable diseases reported: Diphtheria 451 in 79

localities, measles 70, scarlet fever 331 in 93 localities, smallpox 4 in 2 localities, tuberculosis 137, typhoid fever 280.

MINNESOTA.—Month of August, 1911. Population, 2,075,708. Total number of deaths from all causes 1,577, including diphtheria 28, measles 1, scarlet fever 8, tuberculosis 179, typhoid fever 22.

OKLAHOMA.—Month of September, 1911. Population, 1,657,155. Total number of deaths from all causes 663, including diphtheria 15, scarlet fever 1, tuberculosis 46, typhoid fever 106. Cases reported: Diphtheria 139, scarlet fever 62, smallpox 3, tuberculosis 85, typhoid fever 562.

UTAH.—Month of October, 1911. Population, 373,351. Total number of deaths from all causes 254, including diphtheria 5, scarlet fever 2, tuberculosis 8, typhoid fever 12. Cases reported: Diphtheria 67, measles 80, scarlet fever 97, smallpox 53, tuberculosis 3 (incomplete), typhoid fever 126.

FOREIGN AND INSULAR.

CANADA.

Examinations for Cholera Carriers at Quarantine.

The following circular in regard to the examination to be made at quarantine to detect the presence of cholera carriers among passengers coming from Italy has been issued by the Director General of Public Health of Canada ¹:

Circular to quarantine officers, the commissioner of customs, ship owners and agents, and others concerned:

OFFICE OF THE DIRECTOR GENERAL OF PUBLIC HEALTH,

Ottawa, November 28, 1911.

SIR OR SIRs: In further reference to the subject of my circular letter of July 27 last, I am directed by the honorable the minister of agriculture to inform you that:

Until further notice, bacteriological examination of passengers from Italy suspected of being possible cholera carriers is to apply only to cholera-infected vessels.

The regulation stands that for all cholera contacts arriving on vessels upon which cholera has occurred, the period of detention under quarantine observation shall be 10 days, unless after 5 days' detention they are found not to be cholera-bacillus carriers.

I am, sir or sirs, your obedient servant,

F. MONTIZAMBERT, M. D.,

Director General of Public Health.

CHINA.

Reappearance of Pneumonic Plague in Manchuria.

Acting Asst. Surg. Moore, at Kobe, Japan, reports November 1: Pneumonic plague has reappeared at Dalny, 2 cases, with 1 death having occurred there October 25. The cases occurred among dealers in fur clothing.

Hongkong—Plague.

Surg. Brown reports October 30: A case of plague was officially reported at Hongkong during the week ended October 28. The case occurred in the person of a Chinese.

CUBA.

Transmissible Diseases.

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

MONTH OF OCTOBER, 1911.

	New cases.	Deaths.	Remaining under treatment.
Tuberculosis.....	136	221	2,016
Leprosy.....	5	1	355
Malaria.....	152	15	138
Typhoid fever.....	109	21	72
Diphtheria.....	77	15	18
Scarlet fever.....	10		5
Measles.....	55		33
Varicella.....	9		2
Epidemic dysentery.....	14	2	11
Tetanus in new born.....	25	25	1
Filariasis.....			2

¹ For circular of July 27 see Public Health Reports, August 4, 1911, p. 1163.

GIBRALTAR.**Restrictions Against Marseille Removed.**

The following notice dated November 7 was received from the secretary of the board of health of Gibraltar:

With reference to the board of health notices of August 14 and September 6 last, it has been decided by the board to remove all restrictions on arrivals from Marseille.

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 November 11, 1911.

Total rats and mongoose taken.....	622
Rats trapped.....	610
Mongoose trapped.....	12
Examined bacteriologically.....	528
Classification of rats trapped:	
<i>Mus alexandrinus</i>	88
<i>Mus musculus</i>	184
<i>Mus norvegicus</i>	61
<i>Mus rattus</i>	277
Average number of traps set daily.....	1,720

INDIA.**Calcutta—Cholera and Plague.**

Acting Asst. Surg. Allan reports, November 2: During the week ended October 14, 15 deaths from cholera and 7 from plague were reported in Calcutta; in all Bengal, 136 cases of plague with 97 deaths; in all India, 10,452 cases of plague with 7,372 deaths.

Madras—Cholera and Plague.

Consul Olivares reports, November 1: During the week ended October 28 a heavy increase in cholera mortality occurred in the city of Madras, 90 cases with 64 deaths having been reported during that period, as compared with 15 cases with 10 deaths occurring during the week ended October 21. A material diminution of the cholera epidemic was reported from the district of Madura, 75 cases with 36 deaths having been reported for the week ended October 29, as compared with 161 cases with 78 deaths during the preceding week.

The total number of cases of plague reported in the Madras presidency, including the cities of Hyderabad and Mysore, during the week under report, was 1,543, as compared with 1,572 during the previous week.

ITALY.

Naples—Examination of Emigrants.

Surg. Geddings reports November 14:

Vessels inspected at Naples and Palermo, week ended Nov. 11.

NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage disinfected.	Pieces of second-cabin baggage disinfected.
Nov. 7	Duca d'Aosta.....	New York.....	518	732	45
8	Romanic.....	Boston.....	439	780	227
10	Calabria.....	New York.....	165	315	.....
10	Berlin.....	do.....	863	1,485	420
	Total.....	.....	1,985	3,312	692

PALERMO.

Nov. 5	Mongibello.....	New York.....	.....	.....	.....
8	Argentina.....	do.....	.....	.....	.....
9	Romanic.....	Boston.....	62	75	225
11	Calabria.....	New York.....	328	710	.....
	Total.....	.....	390	785	225

JAPAN.

Dysentery and Typhoid Fever in Kanagawa Ken.

Surg. Irwin at Yokohama reports: On October 29, 237 cases of dysentery and 484 cases of typhoid fever were reported present in Kanagawa Ken.

MEXICO.

Yellow Fever at Merida.

During the week ended November 18, 2 cases of yellow fever with 1 death were reported at Merida. The total number of cases reported from August 1, the date of the occurrence of the first case, is 47 with 23 deaths.

SENEGAL.

Yellow Fever at Dakar and Rufisque.

The American consul at Sierra Leone reports December 4 the presence of yellow fever at Dakar and Rufisque, in Senegal.

SIBERIA.

Plague in the Transbaikial Province.

Consul Maynard at Harbin, China, reports October 28: In consequence of the appearance of plague in the Transbaikial Province near the Manchurian border, a meeting of the executive committee of the chief sanitary board was held on October 24 in the railway administration building at Harbin, in accordance with paragraph 1 of the regulations confirmed by the supreme committee November 19, 1908, for preventing the spreading of plague along the railway zone.

Gen. Horvath, manager of the railway and chairman of the committee, officially reported the appearance of plague, and chief doctor, Yasenski, stated that a telegram had been received regarding the discovery of the first cases of bubonic plague at a village near Sharasung on the Transbaikal Railway, and stated that orders had been issued by the administration to adopt measures to prevent plague from spreading to the territory along the Chinese Eastern Railway.

In accordance with the above mentioned report, the committee ordered that branch committees be organized at station Manchuria, Hailar, and Harbin, to which points all persons suffering from plague shall be taken.

In view of the fact that reserve and new soldiers will shortly be transported, orders were issued to disinfect all cars before occupation, and to each train must be added an extra car in which sick persons may be isolated, and all trains must have separate cars for military use.

To prevent people afflicted with plague from entering the territory along the line of the railway, mounted outposts will be stationed on all roads, and all travelers desiring to enter the villages will be examined, and all suspected persons will have their temperature taken, and be isolated.

All passengers coming from places where cases of plague are known to exist shall be isolated for 5 days before permission will be granted them to board trains; and people who have come in contact with plague during journeys on the railway will be subject to like isolation.

On October 25 a rumor was received to the effect that one person in the isolation camp near Sharasung had died of plague, and on the following day this rumor was confirmed, the patient having died in great pain from the septic form of plague.

The sanitary committee at Hailar will be under the control of Engineer Skvortsoff, and, at Harbin, under Engineer Zaharoff.

For the inspection of passengers sanitary cars with doctors and assistants will be attached to all trains, except express trains, between station Manchuria and Harbin. On October 28 a telegram was received from the governor of the Transbaikal Province stating that 5 persons had died from plague at the village of Nadaravsk near station Sharasung. The last patient died on October 23, and there have been no new cases since that date.

ZANZIBAR.

Zanzibar—Examination of Rats.

Consul Weddel reports that during the three weeks ended October 21, 3,182 rats were examined for plague infection. No plague-infected rat was found.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.**REPORTS RECEIVED DURING WEEK ENDED DEC. 8, 1911.**

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

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
India:				
Calcutta.....	Oct. 8-14.....	.....	15	
Madras.....	Oct. 22-28.....	90	64	
Indo-China:				
Saigon.....	.....do.....	1	1	
Java:				
Batavia.....	Oct. 15-21.....	8	2	
Persia:				
Mohammerah.....	Sept. 10-Oct. 1....	25	13	
Straits Settlements:				
Singapore.....	Oct. 8-14.....	46	32	

YELLOW FEVER.

Places.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Manaos.....	Oct. 22-Nov. 4....	.....	3	
Senegal:				
Dakar.....	Dec. 4.....	.....	.....	Present.
Rufisque.....	.....do.....	.....	.....	Do
Venezuela:				
Caracas.....	Oct. 21-Nov. 4....	7	.....

PLAGUE.

Places.	Date.	Cases.	Deaths.	Remarks.
China:				
Hongkong.....	Oct. 22-28.....	1	.....
Manchuria—				
Dalny.....	Oct. 25.....	2	1	
India:				
Bombay.....	Oct. 29-Nov. 4....	6	4	
Calcutta.....	Oct. 8-14.....	.....	7	
Kurachi.....	Oct. 22-28.....	2	2	
Indo-China:				
Saigon.....	Oct. 9-22.....	5	.....
Java:				
Paseroean Residency, Ma- lang district.	Oct. 15-21.....	12	5	
Russia in Asia:				
Siberia.....	Oct. 23.....	.....	5	In vicinity of Sharasung on the Transbaikai Railway.
Tunis Regency.....				Total, Oct. 14-22: Cases, 785; deaths, 526.
Tunis.....	Oct. 14-22.....	15	20	

SMALLPOX.

Places.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers.....	Oct. 1-31.....	.....	1	
Argentina:				
Buenos Aires.....	Sept. 1-30.....	.....	11	
Canada:				
Quebec.....	Nov. 19-25.....	15	.....
Chile:				
Valparaiso.....	Oct. 29-Nov. 4....	45	.....
China:				
Canton.....	Oct. 22-28.....	10	2	
Hongkong.....	Oct. 15-21.....	1	.....
Egypt:				
Cairo.....	Oct. 22-28.....	6	.....
India:				
Madras.....	.....do.....	9	.....
Indo-China:				
Saigon.....	Oct. 9-22.....	3	.....
Italy:				
Genoa.....	Nov. 1-15.....	1	.....
Leghorn.....	Nov. 5-11.....	1	.....
Naples.....	Nov. 5-11.....	18	2	
Palermo.....	Oct. 29-Nov. 4....	341	97	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.**Reports Received during week ended Dec. 8, 1911.****SMALLPOX—Continued.**

Places.	Date.	Cases.	Deaths.	Remarks.
Java:				
Batavia.....	Oct. 15-21.....	4	1	
Mexico:				
Juarez.....	Nov. 19-25.....	2	.....
Mexico.....	Oct. 1-21.....	8	8	
Porfirio Diaz.....	Nov. 12-25.....	6	4	
Portugal:				
Lisbon.....	Nov. 5-11.....	3	.....
Roumania.....				Total, Mar. 1-Apr. 30, 1911: Cases 18,319, deaths 774.
Russia:				
Batum.....	Oct. 1-31.....	1	.....
Moscow.....	Oct. 22-Nov. 4.....	4	2	
Riga.....	Oct. 29-Nov. 11.....	6	.....
St. Petersburg.....	Oct. 22-28.....	3	.....
Warsaw.....	Oct. 1-14.....	90	34	
Spain:				
Valencia.....	Nov. 5-11.....	5	.....
Straits Settlements:				
Singapore.....	Oct. 8-14.....	3	.....
Tenerife:				
Santa Cruz.....	Nov. 5-11.....	.....	1	
Turkey in Europe:				
Constantinople.....	Nov. 6-12.....	.....	2	

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

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

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers.....	Sept. 1-30.....	1	1	
Arabia:				
Hodeida.....	June 16-30.....	21	17	Among the civil and the military population. Aug. 5, present among troops.
Austria-Hungary.....				Total Austria-Hungary, exclusive of Hungary, May 24-Oct. 29, 86 cases, 38 deaths; and in Hungary, Aug. 9-Nov. 4: Cases, 196.
Coastland.....				Total May 24-Oct. 29, 1911: Cases, 68; deaths, 30.
Capodistria.....	July 24-Sept. 17.....	12	6	
Cittanova.....	Aug. 21-Sept. 17.....	1	1	
Muggia.....	Aug. 7-13.....	2	1	
Parento.....	May 24-Oct. 29.....	11	6	
Trieste.....	June 4-Aug. 26.....	42	16	
Dalmatia.....				Total, cases 10; deaths, 4.
Arbe.....	Aug. 21-Sept. 17.....	6	3	
Cattaro.....	July 6-20.....	4	1	
Lower Austria.....				Total, cases, 6; deaths, 3.
Prellenkirchen.....	Sept. 18-24.....	1	1	
Vienna.....	Aug. 14-Sept. 17.....	5	2	
Styria—				
Gratz.....	May 24-31.....	2	1	Including case from Waltendorf, p. 1042, vol. 1.
Hungary.....				Total, Aug. 9-Nov. 4, 1911: Cases, 196.
Budapest.....	Aug. 24-Sept. 30.....	15	4	
Czarp.....	Aug. 24-Sept. 9.....	1	.....
Pest Pilis.....	Sept. 9-Oct. 7.....	8	.....	Including Budafoik.
Sorams.....	Sept. 24-30.....	1	.....
Suly.....	Sept. 2-9.....	3	1	
Ujpest.....	Aug. 24-Sept. 30.....	38	5	
Croatia and Slavonia.....				Total, Aug. 9-Sept. 19, 1911: Cases, 37; deaths, 8.
Draga.....	Sept. 7.....	5	.....
Fiume.....	Aug. 9-Sept. 16.....	4	.....
Villages in vicinity.....	Aug. 18-Sept. 9.....	10	6	
Krimeja.....	Sept. 7.....	2	.....

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

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

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Austria-Hungary—Continued.				
Croatia and Slavonia—Con.				
Kiskozeg.....	Oct. 14-22.....	2	.....
Krizovljan.....	Aug. 28-Sept. 13...	2	.....
Krusedal.....	Aug. 9-Sept. 19.....	1	.....
Martinci.....	Oct. 14-22.....	2	.....
Nagykeszi.....	Sept. 9-16.....	3	.....
Semlin.....	Sept. 19.....	1	.....
Susak.....	Aug. 28-Sept. 19...	3	.....
Vukovar.....	Sept. 8-9.....	2	2	
Bulgaria:				
Kalondjik.....	June 18—20.....	1	1	Vicinity of Choumen. From the ship <i>Cyrille</i> , bound from the coast of Asia Minor.
Sosopolis.....	Sept. 16-Oct. 7.....	20	4	
Varna.....	July 4-Aug. 5.....	2	2	From Asia Minor via Constantinople.
Ceylon:				
Colombo.....	May 21-Oct. 7.....	18	13	
China:				
Amoy.....	May 28-July 1.....	.....	4	Aug. 5, present.
Hankow.....	July 22.....	.....	.....	Present.
Hoihow.....	June 2.....	.....	.....	Do.
Manchuria—				
Dalny.....	Aug. 19-Sept. 2.....	35	19	Sept. 5, present.
Kinchow.....	Aug. 15-Sept. 2.....	10	.....
Nanking.....	July 22-Aug. 19.....	.....	.....	Present.
Swatow.....	July 22-Aug. 26.....	.....	.....	Do.
Dutch East Indies.....	.....	.....	.....	May 28-Aug. 20: Cases, 1,808; deaths, 1,430.
Java—				
Batavia.....	May 14-Oct. 14.....	307	295	
Beloe.....	June 15-28.....	.....	.....	Present.
Surabaya.....	Apr. 10-May 6.....	44	22	
Egypt:				
Alexandria.....	Aug. 1-Sept. 30.....	3	3	Of these, 2 cases in September were from s. s. Saidieh from Constantinople.
France:				
Marseille.....	June 26-Sept. 30.....	.....	193	Number of cases occurring from Sept. 1 to 20 not reported.
Do.....	Sept. 21-28.....	20	.....
Greece:				
Laurium.....	July 5-8.....	3	1	Case July 5, from a German vessel via Naples.
Piræus, quarantine station.	July 30-Aug. 8.....	3	.....	Case July 30, from s. s. Margarita.
India:				
Bassein.....	May 7-July 8.....	2	2	
Bombay.....	June 25-Sept. 23.....	4	5	
Calcutta.....	May 7-Oct. 7.....	.....	531	
Madras.....	June 4-Oct. 21.....	62	41	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	
Indo-China:				
Saigon.....	May 15-Oct. 8.....	89	61	And vicinity.
Italy				
Provinces—				
Alessandria.....	Aug. 1-Oct. 7.....	115	33	
Ancona.....	Sept. 17-Oct. 7.....	8	2	
Aquila.....	Aug. 1-Oct. 14.....	124	57	
Ascoli.....	Sept. 23-30.....	1	.....
Avellino.....	July 12-Oct. 21.....	234	87	
Bari.....	Aug. 27-Oct. 21.....	502	105	
Benevento.....	July 22-Sept. 16.....	96	24	
Bergamo.....	Aug. 27-Oct. 21.....	118	20	
Bologna.....	Aug. 27-Sept. 30.....	30	7	
Cagliari.....	Aug. 27-Oct. 21.....	191	39	
Caltanissetta.....	July 17-Oct. 21.....	332	84	
Campobasso.....	do.....	765	306	
Carrara.....	Sept. 24-30.....	10	2	
Caserta.....	June 18-Oct. 21.....	1,926	781	
Catania.....	July 22-Nov. 4.....	881	376	
Catanzaro.....	July 26-Oct. 21.....	162	80	
Chieti.....	Aug. 1-Oct. 7.....	117	51	
Casoria.....	Sept. 3-9.....	125	37	
Cosenza.....	Aug. 20-Sept. 25.....	107	56	
Ferrara.....	Aug. 27-Oct. 21.....	50	30	
Total for Italy, June 8-Nov. 4^a				
Cases, 15,066; deaths, 5,859.				

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

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

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Italy—Continued.				
Provinces—Continued.				
Florence.....	Sept. 3-Oct. 21....	6	1	
Foggia.....	Aug. 20-Oct. 21....	203	104	
Forlì.....	Aug. 27-Oct. 21....	47	18	
Genoa.....	July 21-Nov. 4....	405	126	
Genoa, city.....	July 13-Oct. 21....	279	133	
Girgenti.....	July 22-Oct. 21....	240	83	
Lecco.....	Aug. 27-Oct. 14....	121	36	
Leghorn.....	July 13-Sept. 25....	768	380	
Lucca.....	Aug. 1-Sept. 16....	10	3	
Massa.....	Aug. 13-Oct. 7....	87	47	
Messina.....	July 17-Oct. 21....	199	59	
Milan.....	Aug. 27-Oct. 14....	20	6	
Naples.....				The Province outside of Naples, June 10-Nov. 4, 1,358 cases, 573 deaths.
Naples, city.....	June 11-Oct. 21....	951	271	
Novara.....	Sept. 24-30....	4	4	
Padua.....	Aug. 27-Sept. 25....	9	4	
Palermo.....	June 18-Nov. 4....	465	220	
Palermo, city.....	June 15-Nov. 4....	1,447	452	
Pesaro.....	Aug. 20-Oct. 14....	108	47	
Pisa.....	Aug. 20-Sept. 2....	18	8	
Potenza.....	July 31-Sept. 9....	55	13	
Reggio di Calabria.....	Aug. 6-Oct. 7....	6	2	
Reggio Emilio.....	Sept. 30....	1	1	
Rome.....	June 27-Nov. 4....	316	133	
Rovigo.....	Aug. 27-Oct. 21....	78	11	
Salerno.....	June 17-Oct. 21....	1,377	356	
Sassari.....	Sept. 16-Oct. 21....	8	3	
Syracuse.....	Aug. 6-Oct. 21....	127	44	
Teramo.....	Sept. 3-Oct. 14....	14	7	
Trapani.....	July 17-Oct. 7....	248	136	
Venice.....	Aug. 6-Oct. 21....	302	107	
Vicenza.....	Oct. 14....	1		
Japan:				
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		
Persia:				
Adaban.....	July 29-Sept. 4....	19	8	
Ahwaz.....	Aug. 13-Sept. 2....	128	115	
Mohammerah.....	July 28-Sept. 9....	211	177	
Philippine Islands.				
Laguna.....	Aug. 6-12....	1		
Manila.....	July 23-29....	1	1	
Provinces—				
Rizal.....	do.....	1		
Union.....	July 23-Sept. 30....	25	21	
Roumania.				
Braila.....	Sept. 11....	6	4	
Russia.				
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-Oct. 14....	5		
Dagestan, province.....	Aug. 13-19....	27		
Don Territory.....	Sept. 3-Oct. 14....	12	4	
Jaroslav, government.....	Aug. 20-26....	8	3	
Kazan, government.....	Sept. 3-30....	10	7	
Kosmodemlansk.....	July 2....	1		
Kherson, government.....	May 3-July 22....	2		
Odessa.....	Aug. 6-Oct. 14....	3	1	
Khuban, territory.....	Aug. 13-26....	1	2	
				Total to Sept. 21: Cases, 18; deaths, 13. Sept. 13: 3 cases and 2 deaths in a village in vicinity. New outbreak Apr. 21-Oct. 14: Cases, 2,012; deaths, 1,023; in- cluding 7 cases and 2 deaths, p. 1044, vol. 1.

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

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

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
Moscow, government.....	Aug. 13-19.....	1		
Moscow.....	Aug. 20-26.....	1	1	
Nizhni Novgorod, government.	Aug. 20-Sept. 2.....	1		
Novorossiysk.....	July 28-Oct. 14.....	13	4	6 cases, July 28-Aug. 6, on British s. s. Wakefield in Black Sea.
Poltava, government.....	June 24.....	1		
Perm, government.....	Sept. 3-13.....	1	1	
Rostov on Don.....	Aug. 6-Oct. 14.....	52	18	Aug. 6-12, 1 case from a Turkish ship from Trebizond. Including Nikolayevsk.
Samara, government.....	June 29-Sept. 13.....	747	407	
Sarstov, government.....	July 18-Oct. 14.....	199	90	
Nikolayevsk.....	June 29-July 8.....	15	1	
Tsantzyn.....	July 12-15.....	1	1	
Siberia—				
Omsk.....	June 20-26.....	2		
Simbirsk, government.....	Aug. 6-Sept. 30.....	92	54	
Taurida, government—				
Stavropol.....	July 23-Aug. 19.....	7	1	
Tambov, government.....	June 26-Sept. 13.....	19	9	
Tver and Kursk, government.	Aug. 6-12.....	1	1	
Ufa, government.....	Sept. 13-30.....			9 cases.
Vilna, government—				
Disna.....	June 13.....	1		On the Duna.
Vitebsk, government.....	Sept. 3-13.....	1		
Lepel district.....	June 19.....	1		
Voronezh, government.....	Apr. 28-Aug. 12.....	5		
Yekaterinislav, government	July 8-19.....	2	1	
Servia:				
Belgrade.....	Sept. 7-21.....	4	1	
Drazevze.....	Oct. 2.....	1	1	
Grditze.....	Oct. 3.....	1		
Kagujevatz.....	Oct. 10.....	1	1	
Krushevatz.....	Oct. 14.....	1		
Rachka.....	Aug. 23-Sept. 8.....	8	2	Case Aug. 23 from Beoca, Studenitz district. Present.
Ravta.....	Aug. 30-Sept. 2.....			
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	
Urovitzi.....	Oct. 4-20.....	17	11	
Yabutehye.....	Oct. 12.....	1	1	
Siam:				
Bangkok.....	Apr. 16-Oct. 7.....		1,026	
Spain:				
Tarragona.....	Aug. 30.....			In vicinity.
Straits Settlements:				
Began Dotah.....	June 16-20.....	11		
Jenderata.....	July 1-8.....	20	13	
Penang.....	May 7-Oct. 21.....	10	12	
Perak.....	May 16-June 21.....			Present among Malays and Chinese.
Singapore.....	May 7-Oct. 7.....	138	146	
Tripoli:				
Tripoli.....	Oct. 13.....	4		
Tunis Regency:				
Bizerta.....	Sept. 17-Oct. 22.....	36	15	
Tunis.....	Aug. 1-7.....		6	
Do.....	Sept. 15-Oct. 22.....	384	126	Total Sept. 17-Oct. 22: Cases, 2,718; deaths, 1,864.
Turkey in Asia:				
Adana.....	Nov. 15.....			Present.
Alatsham.....	June 19.....	2		
Amara.....	June 21.....			Do.
Bagdad Vilayet.....	May 29-Oct. 14.....	461	234	New outbreak.
Basra.....	July 17-Oct. 21.....	361	257	Aug. 9, 1 case, s. s. Budria.
Beirut.....	Oct. 18.....	2		Aug. 21, present among pilgrims.
Damascus.....	Aug. 14-Oct. 21.....	129	103	
Erzeroum Vilayet.....	Sept. 13-30.....			Present in Erzingham and Unieh.
Ezra's Tomb.....	June 17.....	6		70 miles from Basra.
Foglieri.....	July 26.....	2	1	In the Gulf of Smyrna.
Haifa.....	Oct. 3-29.....	45	35	
Kamaran.....	May 28-July 11.....	8	6	Among troops.
Kerassunde.....	Sept. 10-Oct. 7.....	22	18	
Kharput.....	Aug. 20-Oct. 14.....	32	24	
Medina.....	Sept. 15-Oct. 16.....	92	73	Do.
Mekka.....	Sept. 1-Oct. 1.....	366	329	

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

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

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Turkey in Asia—Continued.				
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-Nov. 6....	5	1	
Tripoli.....	Sept. 26-Oct. 18...	43	33	
Zongoukdak.....	July 1-Oct. 15.....	95	72	And vicinity.
Turkey in Europe:				
Constantinople.....	May 21-Oct. 23....	2,614	1,483	Do.
Dardanelles.....	Oct. 1-8.....	2	2	
Kavak.....	June 5-11.....	1	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	
At sea.....	June 23.....	1	1	On s. s. Goeben, bound from Southampton for Suez. Case developed 1 day after leaving Naples.
Do.....	July 25.....			2 cases from s. s. Zar Nicolaus from Algiers.

YELLOW FEVER.

Bissagos Islands:				
Bulama.....	May 27.....			Present.
Brazil:				
Ceara.....	July 1-31.....		1	
Manaos.....	June 4-Oct. 21....		25	
Para.....	June 21-Sept. 9....	5	1	
Pernambuco.....	June 15-Sept. 30...		11	
British Gold Coast:				
Accra.....	May 23-27.....	3		Among natives.
Ecuador:				
Babahoyo.....	July 16-Aug. 15....	2	2	
Bucay.....	Sept. 1-Oct. 31....	4	1	
Calaroma.....	July 16-31.....	1	1	
Changué.....	Sept. 16-30.....	1	1	
Chobo.....	Oct. 1-31.....	2		
Guayaquil.....	June 1-Oct. 31....	48	19	
Milagro.....	June 1-Aug. 15....	17	13	
Naranjito.....	July 1-Oct. 31....	8	1	
Yaguachi.....	June 16-July 15...	1	1	
Gambia:				
Bathurst.....	May 23-27.....	5	2	Among Europeans.
Hawaii:				
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.
Mexico:				
Merida.....				Total Aug. 1-Nov. 11: Cases, 45; deaths, 20.
Venezuela:				
Caracas.....	July 1-Oct. 24....	40	1	
La Pastora.....	Aug. 5.....			Present.
Maiquetia.....	July 22.....	2		
San Juan.....	Aug. 5.....	1		

PLAGUE.

Algeria:				
Philippeville.....	Nov. 1.....	5		
Arabia:				
Maskat.....	May 21-June 15...	4	2	
Brazil:				
Para.....	July 2-Sept. 9....	5	4	Sept. 16, 2 cases.
Pernambuco.....	June 15-Sept. 30...		13	
Rio de Janeiro.....	July 16-Oct. 7....	18	5	
British East Africa:				
Kismayu.....	Apr. 24-Sept. 16...	60	45	
Nairobi.....	May 27-Sept. 16...	39	22	
Port Florence.....	Apr. 26.....	1	1	

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

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

PLAGUE—Continued.

Places.	Date.	Class.	Deaths.	Remarks.
Canal Zone: Panama.....	Oct. 17.....	1	1	Arrived from Guayaquil and detained at quarantine.
Chile: Arica.....	June 12-July 28...	4	3	
Iquique.....	May 14-Oct. 14....	46	28	
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. Hweilal, Kit-yang, and in Chao-Yang, Jan. 1-June 30, 6,000 deaths.
Ecuador: Guayaquil.....	June 1-Oct. 31.....	157	54	
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.
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	
Galioubeh.....	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	
Great Britain: Suffolk.....	Oct. 10.....	1		In Admiralty Barracks, parish of Shotley, Samford rural district.
Hawaii: Kapulena.....	Oct. 28.....	1	1	
India: Bahrein Island.....	May 15-July 16....		1,925	In Persian Gulf.
Bombay.....	May 21-Oct. 28....	674	589	
Calcutta.....	May 7-Oct. 7.....		638	
Karachi.....	May 28-Oct. 21....	220	216	
Rangoon.....	May 1-Aug. 31....	9,982	7,233	
Bombay Presidency and Sind.....	May 7-Sept. 30....	51,417	35,564	
Madras Presidency.....	.....do.....	5,752	4,378	
Bengal.....	.....do.....	2,767	2,570	
United Provinces.....	.....do.....	18,285	17,685	
Punjab.....	.....do.....	60,902	53,374	
Burma.....	.....do.....	1,899	1,769	
Eastern Bengal and Assam.....	Aug. 6-26.....	2	12	
Central Provinces.....	May 7-Sept. 30....	2,970	1,985	
Coorg.....	Aug. 27-Sept. 30....	11	9	
Mysore State.....	May 7-Sept. 30....	9,089	6,539	
Hyderabad State.....	.....do.....	1,421	1,080	
Central India.....	.....do.....	1,303	899	
Rajputana and Ajmere.....	May 20-Sept. 30....	1,758	1,493	
Merwara.....				
Kashmir.....	May 7-July 1.....	624	425	
North West Province.....	.....do.....	110	79	Total for India May 15 to Sept 30: Cases, 158,310; deaths, 127,861.
Indo-China: Saigon.....	May 15-Oct. 8.....	353	112	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	
Madison.....	June 1-Aug. 26....	2		
Paseroean Residency, Malang district.....	May 14-Oct. 14....	742	215	
Surabaya.....	Apr. 30-May 18....	21	4	
Mauritius.....	Mar. 1-Aug. 31....	11	7	

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

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

PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
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.
Paraguay:				
Asuncion.....	Aug. 1-Sept. 2.....	23	14	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	Sept. 5, present in Mollendo.
Cajamarca.....	do.....			Aug. 10, present.
Callao.....	Apr. 23-Sept. 30.....	14	8	Sept. 24, 1 case.
Chiclayo.....	Apr. 30-Sept. 30.....	22	10	
Lambayeque.....	Apr. 23-June 3.....	24	12	
Libertad.....	Apr. 23-Sept. 16.....	16	11	Aug. 21, present in Moche.
Lima.....	do.....	73	34	
Pacasmayo.....	Apr. 30-June 3.....	3	2	
Philippine Islands				
Mariveles quarantine station.	May 25-26.....	1	1	First quarter, 1911: Manila, no cases; provinces, no cases. From s. s. Taisang from Amoy.
Russia:				
Odesa.....	June 18-Aug. 8.....	8	2	
Astrakhan Government—				
Ujaly.....	July 3.....			Present.
Saraitshin.....	June 18-24.....	3	3	
Kirghis Steppe—				
Akbulak.....	July 13-Aug. 2.....	5	2	Pneumonic.
Kjube kudik.....	July 15.....	5	4	Do.
Narvma.....	June 24.....	4	4	
Siam:				
Bangkok.....	Apr. 16-Oct. 7.....	73	82	
Straits Settlements:				
Singapore.....	May 21-Oct. 7.....	7	7	
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. 14.....	17		
Santa Rosalia.....	Aug. 5.....	1		
Zanzibar:				
Zanzibar.....	Sept. 7-21.....	3	3	

SMALLPOX.

Algeria:				
Departments—				
Algiers.....	Mar. 1-Sept. 30.....		9	
Constantine.....	Mar. 1-May 31.....	74		
Arabia:				
Aden.....	Apr. 11-Oct. 9.....	208	8	And vicinity.
Argentina:				
Buenos Aires.....	Apr. 1-Aug. 31.....		133	
Rosario.....	Apr. 1-June 30.....		125	
Australia:				
Sydney.....	Sept. 1-25.....	1	1	At North Head quarantine station, from s. s. Van Lichten from Batavia.
Austria-Hungary:				
Bohemia.....	May 28-June 17.....	5		
Galicia.....	May 28-July 15.....	3		
Brazil:				
Bahia.....	Apr. 1-30.....		1	
Ceara.....	June 1-30.....		1	
Para.....	June 25-Oct. 28.....	10	2	
Pernambuco.....	June 1-Sept. 30.....		863	
Rio de Janeiro.....	May 28-Oct. 7.....	29	2	
Sao Paulo.....	May 15-21.....		1	

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

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

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Canada:				
British Columbia—				
Vancouver.....	July 9-Sept. 23....	8	.....
Victoria.....	May 1-31.....	10	.....
Manitoba—				
Fort Alexander.....	July 8.....	19	.....	Among Indians.
Lea de Bonnet.....	do.....	1	.....
Point du Bois.....	do.....	.....	.....	Epidemic.
Saskirk.....	do.....	1	.....	From Mapleton.
Winnipeg.....	July 23-29.....	1	.....
New Brunswick—				
Newcastle.....	July 15-Aug. 5.....	.....	.....	Present in vicinity.
Ontario—				
Ottawa.....	June 11-Nov. 11....	39	.....
Nova Scotia—				
Halifax.....	May 23-Sept. 30....	6	.....
Prince Edward Island—				
Charlottetown.....	June 14-20.....	1	.....
Quebec—				
Montreal.....	July 9-Sept. 30....	7	.....
Quebec.....	June 18-Nov. 11....	52	1	
Yukon.....	Sept. 17.....	66	1	On the Porcupine.
Dawson.....	June 4-July 11....	15	.....
Ceylon:				
Colombo.....	May 21-Oct. 7.....	44	5	
Chile:				
Antofagasta.....	Oct. 17-Sept. 2....	15	6	
Caldera.....	June 24.....	2	1	
Iquique.....	Oct. 1-15.....	1	1	
Punta Arenas.....	June 1-July 31.....	3	1	
Talcahuano.....	June 27-Oct. 14....	135	28	
Valparaiso.....	June 24-Sept. 30....	367	.....
China:				
Chinking.....	May 28-Oct. 14....	.....	.....	Present.
Hongkong.....	May 21-Oct. 14....	39	31	
Nanking.....	May 28-Nov. 4....	.....	.....	Do.
Shanghai.....	May 24-July 16....	2	8	Deaths among natives.
Swatow.....	May 28-July 22....	.....	.....	Present in the district.
Colombia:				
Cartagena.....	May 22-July 9.....	.....	.....	Present.
Egypt:				
Alexandria.....	Apr. 1-July 31....	64	32	
Cairo.....	May 22-Sept. 30....	12	5	
Port Said.....	May 29-Aug. 19....	14	13	
France:				
Havre.....	July 16-22.....	1	1	
Marseille.....	Aug. 1-31.....	.....	1	
Paris.....	June 18-Oct. 29....	17	1	
Germany.....				Total for Germany, June 4-Oct. 28: Cases, 33.
Bremen.....	July 9-15.....	1	.....
Hamburg.....	Aug. 6-19.....	.....	.....	3 cases on s. s. Prinz Regent.
Gibraltar.....	June 4-Nov. 5.....	4	.....
Great Britain:				
Birmingham.....	July 2-15.....	1	1	
Dundee.....	June 11-Aug. 12....	10	3	
Liverpool.....	June 18-Oct. 7.....	8	.....
London.....	June 4-24.....	13	.....
Plymouth.....	July 2-8.....	.....	1	
Sheffield.....	June 18-24.....	.....	1	
India:				
Bombay.....	May 21-Oct. 23....	137	84	
Calcutta.....	May 7-June 24.....	.....	6	
Madras.....	May 21-Oct. 21....	165	72	
Rangoon.....	May 1-Aug. 31.....	337	165	
Indo-China:				
Saigon.....	May 15-Sept. 17....	132	53	And vicinity.
Italy:				
Catania.....	July 19-Aug. 12....	.....	4	
Genoa.....	Aug. 1-Oct. 31....	10	.....
Leghorn.....	Oct. 22-28.....	1	.....
Naples.....	June 11-Nov. 4....	110	16	
Palermo.....	June 4-Oct. 28....	1,387	721	
Japan:				
Yokohama.....	June 13-19.....	1	.....
Java:				
Batavia.....	July 2-Oct. 14....	44	10	
Malta:				
Valetta.....	June 6-Nov. 4.....	23	15	In a camp of refugees from Tripoli.

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

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

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Mexico:				
Agua Calientes.....	Aug. 28-Oct. 15.....		6	
Cananea, mines.....	Sept. 12-22.....	30		Oct. 28, 45 cases present.
Chihuahua.....	June 28-Nov. 17.....	29	14	
Frontera.....	June 19-24.....	1		
Guadalajara.....	June 18-Aug. 19.....		3	
Inuris.....	Sept. 22.....	10		
Juarez.....	July 9-Nov. 18.....	30	6	
Magdalena.....	Oct. 23.....			Present.
Mazatlan.....	Aug. 6-Nov. 7.....	13	6	
Mexico.....	May 21-Sept. 16.....		159	July 23-Sept. 30, 65 cases.
Porfirio Diaz.....	July 23-Nov. 11.....	16	16	
San Juan Bautista.....	June 17-July 15.....			Present and in vicinity. Aug. 28, increasing.
San Luis Potosi.....	June 4-Oct. 28.....	23	23	
Tampico.....	June 11-Oct. 31.....		10	
Tapachula.....	July 8-Sept. 23.....		19	
Peru:				
Salaverry.....	Aug. 1-7.....			Present.
Trujillo.....	Oct. 23-30.....			Do.
Philippine Islands				First quarter, 1911, Manila: Cases, 93; deaths, 0. Second quarter: Cases, 142; deaths, 0.
Portugal:				
Lisbon.....	June 4-Oct. 28.....	110		May 7-20, deaths, 3.
Puerto Rico:				
Ponce.....	Apr. 1-30.....		1	
Portuguese East Africa:				
Lourenco Marquez.....	do.....		1	
Russia:				
Batam.....	May 1-June 30.....	3		
Liban.....	June 5-Oct. 22.....	16	1	July 16, 1 death.
Moscow.....	May 28-Oct. 14.....	171	85	
Odesa.....	May 27-Sept. 16.....	8		
Reval.....	May 1-31.....	8		
Riga.....	May 27-Oct. 28.....	22		Apr. 1-May 31, deaths, 14.
St. Petersburg.....	May 21-Oct. 21.....	173	36	
Warsaw.....	Apr. 2-Sept. 30.....	283	127	
Wladan.....	June 26-July 1.....			Present.
Siam:				
Bangkok.....	Apr. 16-Oct. 7.....		182	
Siberia:				
Omak.....	May 29-Oct. 3.....	4		
Vladivostok.....	May 14-Aug. 28.....	18	15	
South Africa:				
Port Elisabeth.....	May 21-27.....	1		
South Australia:				
Adelaide.....	Apr. 15.....			1 case, from Colombo on str. Mooltan.
Spain:				
Barcelona.....	May 6-17.....		4	
Madrid.....	June 1-Oct. 31.....		6	
Malaga.....	June 1-Sept. 30.....		35	
Seville.....	June 1-Oct. 31.....		14	
Valencia.....	June 4-Oct. 28.....	69	12	
Straits Settlements:				
Penang.....	Apr. 30-Oct. 14.....	9	4	
Singapore.....	May 7-Oct. 7.....	162	42	
Switzerland:				
Aargau, canton.....	Sept. 24-30.....	4		
Ticino, canton.....	May 28-June 3.....	1		
Teneriffe:				
Santa Cruz.....	Oct. 22-Nov. 4.....		2	
Turkey in Asia:				
Beirut.....	May 27-Nov. 4.....	145	40	
Kharpuz.....	May 21-June 10.....	34	3	
Turkey in Europe:				
Constantinople.....	June 4-Nov. 5.....		21	
Saloniki.....	Sept. 1-30.....		5	
Uruguay:				
Montevideo.....	Apr. 1-Aug. 31.....	51	17	
Zanzibar:				
Zanzibar.....	May 15-Oct. 30.....	28	16	
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.
Aix-la-Chapelle.....	Oct. 28	156,402	43	3								1	11
Amoy.....	Oct. 21	200,000								1			
Amsterdam.....	Nov. 18	578,774	105	12						1			
Barcelona.....	Nov. 4-15	591,272	435	36						8		5	
Barmen.....	Nov. 4	169,800	44	7						1		1	
Barranquilla.....	Nov. 4	40,000	17	2						2			
Do.....	Nov. 11		17	2						1			
Basra.....	Oct. 28	20,000											
Batavia.....	Oct. 21	217,630											
Bergen.....	Nov. 11	87,749	16	3		3				2			
Berlin.....	Oct. 28	2,072,208	571	65				1		2		1	
Birmingham.....	Nov. 18	842,512	214							3		1	
Bremen.....	Oct. 28	246,850	69	11						1		1	
Do.....	Nov. 4		63	3						1		7	
Bristol.....	Nov. 18	357,509	84	6								1	
Bombay.....	Nov. 4	977,822	558	39	4								
Brussels.....	Nov. 11	739,684	180	26						4	2	2	1
Budapest.....	Oct. 21	950,610				3				5	4	1	2
Do.....	Nov. 4									8	6	1	7
Cairo.....	Oct. 28	689,439	406	30						3	1	15	
Calcutta.....	Oct. 14	890,493	431	21	7	15							
Canton.....	Oct. 1-25	1,000,000	375	31				2		9		3	
Chemnitz.....	Oct. 14	296,820	90	6									1
Do.....	Oct. 28	295,600	96	3								3	2
Cologne.....	Nov. 7	520,684	128	23						1	1	3	2
Colon.....	Nov. 18	17,369	13	2						2		2	
Constantinople.....	Nov. 12	1,000,000	228	41			2			4	2	2	
Copenhagen.....	Nov. 4	462,000	120	15							1	1	
Cork.....	Nov. 18	8,207										1	
Catania.....	Nov. 17	207,000	59	4				1					
Dresden.....	Oct. 28	551,200	115	13								5	3
Do.....	Nov. 4	555,200	146	14							1	5	2
Erlurt.....	Oct. 28	124,228	37	2							4	4	
Do.....	Nov. 4		41	6						2		7	
Frankfort.....	Oct. 28	419,300	87								1	1	
Do.....	Nov. 4		82									6	
Georgetown.....	Nov. 11	56,000	58	3									
Ghent.....	Nov. 10	165,965	44	4								1	
Gothenberg.....	Nov. 11	163,000	36	8								2	
Hamburg.....	do.....	931,035	262	17							4	16	7
Hongkong.....	Oct. 31	336,488							1				
Juarez.....	Nov. 25	6,500	9										
Karachi.....	Oct. 28	148,000	69		2				1				
Konigsberg.....	do.....	247,300	90	6								2	3
Do.....	Nov. 4		93	12								1	
Hull.....	Nov. 11	278,968	75						2	1			1
Kobe.....	Oct. 29	404,851	155						2				
Do.....	Nov. 5		143									1	
Leeds.....	Nov. 18	445,568	120	4					1			1	2
Leghorn.....	Nov. 11	104,000	19	1									
Lelpzig.....	Nov. 4	595,703	131	23								2	1
Libau.....	Nov. 5	90,000								1			
Do.....	Nov. 12									1			
Liege.....	Nov. 11	167,521	42	1							1		
Liverpool.....	Nov. 18	747,627	269	28							1	1	2
Madras.....	Oct. 28	518,660	590			64		1		2		2	2
Magdeburg.....	do.....	281,111	130	11						3	7		2
Manaos.....	do.....	52,000	33	5			1						
Do.....	Nov. 4		28	2			2						
Mannheim.....	Oct. 21	196,759	28	3					1			1	
Do.....	Oct. 28		34	3								1	
Mexico.....	Oct. 7	719,052	358				2	6					
Do.....	Oct. 14		335				2	11		2			3
Do.....	Oct. 21		322	19			4	7				2	2
Monterey.....	Nov. 19	100,000	70	3									1
Montreal.....	Nov. 25	466,197	121	11					3		5		2
Moscow.....	Oct. 28	1,500,000	647	84					5	18	14	14	6
Do.....	Nov. 4		592	70			2		3	18	19	14	4
Munich.....	do.....	597,000	163	23					1			1	
Nagasaki.....	Nov. 5	178,074	43	5								1	
Nantes.....	Oct. 29	169,000	63	10						4			

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.
Nantes.....	Nov. 5		59	10						2				
Do.....	Nov. 12		75	16						2	1			
Nottingham.....	Nov. 11	259,942	68							1	1			2
Ottawa.....	Nov. 18	57,640	33	3								3		
Palermo.....	Nov. 4	340,000	238	5				97		3				
Patras.....	Nov. 12	40,000	15	4						1		2		
Porfirio Diaz.....	Nov. 18	16,000	11	2				4						
Do.....	Nov. 25		9											
Port Said.....	Oct. 28	52,811	30	2						3				
Prague.....	do.	223,741	80	14							2	3		
Do.....	Nov. 4		73	13						1	1			
Quebec.....	Nov. 25	78,067										2		
Rangoon.....	Oct. 7	289,432	135		7			1						
Salgon.....	Oct. 22	206,000				1								
St. Petersburg.....	Oct. 28	1,907,708	670	105					1	18	12	12	27	13
Do.....	Nov. 4		606	119						14	9	6	24	8
Santa Cruz de Tenerife.....	Nov. 11	46,000	23	3				1	2					
Santiago de Cuba.....	do.	53,614	18									1		
Shanghai.....	Oct. 22		149	22								2		
Do.....	Oct. 29		133	15										
Do.....	Nov. 5	492,000	123	15							1			
Sheffield.....	Nov. 11	500,000	113	12						1			1	
Do.....	Nov. 18		127	12						3			1	
Singapore.....	Oct. 14	303,328	263	35		32				3				
Stettin.....	Nov. 4	234,033	62	7										
Do.....	Nov. 11	240,000	70	6							1			1
Tarragona.....	do.	23,150	7							1				1
Trieste.....	Oct. 21	233,925	99							1	1	1	1	
Do.....	Oct. 28		77							1			1	
Do.....	Nov. 4		80									1	1	
Turin.....	Nov. 10	401,555	193	19						5				1

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

BRITISH BURMA—Rangoon.—Month of August, 1911. Population, 289,432. Total number of deaths from all causes 864, including plague 125, scarlet fever 61, smallpox 4, tuberculosis 49, typhoid fever 4.

GREAT BRITAIN.—Week ended October 28, 1911.

England and Wales.—The deaths registered in 77 great towns correspond to an annual rate of 13.3 per 1,000 of the population, which is estimated at 16,157,797.

Ireland.—The deaths registered in 21 principal town districts correspond to an annual rate of 17.1 per 1,000 of the population, which is estimated at 1,149,495. The lowest rate was recorded at Drogheda, viz, 4.2, and the highest at Tralee, viz, 37.

Scotland.—The deaths registered in 8 principal towns correspond to an annual rate of 16.7 per 1,000 of the population, which is estimated at 1,710,291. The lowest rate was recorded at Greenock, viz, 8.3, and the highest at Leith, viz, 19.4 per 1,000. The total number of deaths from all causes was 548, including diphtheria 8, measles 12, scarlet fever 7, typhoid fever 2.

Week ended November 4, 1911.

England and Wales.—The deaths registered in 77 great towns correspond to an annual rate of 13.5 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 17.1 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 Wexford, viz, 31.9 per 1,000.

Scotland.—The deaths registered in 8 principal towns correspond to an annual rate of 16.4 per 1,000 of the population, which is estimated at 1,710,291. The lowest rate was recorded at Paisley, viz, 9.3, and the highest at Glasgow, viz, 18.3 per 1,000. The total number of deaths from all causes was 538, including diphtheria 11, measles 15, scarlet fever 4.

NEW ZEALAND.—Month of July, 1911.

Auckland.—Population, 102,676. Total number of deaths 85, including diphtheria 3, tuberculosis 6, typhoid fever 1.

Christchurch.—Population, 80,193. Total number of deaths 67, including tuberculosis 7.

Dunedin.—Population, 64,237. Total number of deaths 66, including diphtheria 1, tuberculosis 6.

Wellington.—Population, 70,729. Total number of deaths 69, including diphtheria 2, measles 5, tuberculosis 7, typhoid fever 1.

SOUTH AFRICA—Bloemfontein.—Month of September, 1911. Population, 11,200. Total number of deaths from all causes 8, including diphtheria 1, tuberculosis 2.

SPAIN—Almeria.—Month of October, 1911. Population, 50,910. Total number of deaths from all causes 115, including measles 1, tuberculosis 10, typhoid fever 2.

Huelva.—Month of September, 1911. Population, 29,982. Total number of deaths from all causes 56, including diphtheria 1, tuberculosis 5, typhoid fever 3.

TURKEY IN ASIA—Jaffa.—Month of September, 1911. Population, 50,000. Total number of deaths from all causes 23, including tuberculosis 3, typhoid fever 4.

TURKS ISLANDS.—Four weeks ended September 30, 1911. Population, 1,681. Total number of deaths from all causes 3. No contagious diseases.

VENEZUELA.—Two weeks ended September 30, 1911. Population, 10,000. Total number of deaths from all causes 13, including tuberculosis 2, typhoid fever 2.

By authority of the Secretary of the Treasury:

A. H. GLENNAN,
Acting Surgeon General,

United States Public Health and Marine-Hospital Service.