

# PUBLIC HEALTH REPORTS.

VOL. XXV.

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No. 9.

## MILK AND ITS RELATION TO THE PUBLIC HEALTH.

In 1908 the Public Health and Marine-Hospital Service issued a 758-page bulletin entitled, "Milk and Its Relation to the Public Health," containing chapters on the following subjects:

1. Introduction.
2. Milk as a cause of epidemics of typhoid fever, scarlet fever, and diphtheria.
3. The milk supply of cities in relation to the epidemiology of typhoid fever.
4. Frequency of tubercle bacilli in the market milk of Washington, D. C.
5. The relation of goat's milk to the spread of Malta fever.
6. Milk sickness.
7. Relation of cow's milk to the zoo-parasitic diseases of man.
8. Morbidity and mortality statistics as influenced by milk.
9. Ice cream.
10. The chemistry of milk.
11. The number of bacteria in milk and the value of bacterial counts.
12. The germicidal properties of milk.
13. The significance of leucocytes and streptococci in milk.
14. Conditions and diseases of the cow injuriously affecting the milk.
15. Sanitary inspection and its bearing on clean milk.
16. Sanitary water supplies for dairy farms.
17. Methods and results of the examination of water supplies of dairies supplying the District of Columbia.
18. The classification of market milk.
19. Certified milk and infants' milk depots.
20. Pasteurization.
21. Infant feeding.
22. The municipal regulation of the milk supply of the District of Columbia.

The demand for the publication was so great that the edition was quickly exhausted and a second edition was made necessary. In the later edition some slight revision was made in order to include certain work which had been done after the original publication came out, and in addition, chapters with the following titles were added:

- The Relation of the Tuberculous Cow to Public Health.
- The Thermal Death Points of Pathogenic Micro-organisms in Milk.
- The Relative Proportion of Bacteria in Top Milk (Cream Layer) and Bottom Milk (Skim Milk), and its Bearing on Infant Feeding.
- National Inspection of Milk.

The new edition is now available and health officers who did not receive copies of the first can secure copies of the second edition by writing to the *Surgeon-General, Public Health and Marine-Hospital Service, Washington, D. C.*; others desiring the bulletin can obtain it from the *Superintendent of Documents, Government Printing Office, Washington, D. C.*, at the cost of \$1 a copy.

# UNITED STATES.

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REPORTS TO THE SURGEON-GENERAL, PUBLIC HEALTH AND MARINE-HOSPITAL SERVICE.

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## PLAGUE-PREVENTION WORK.

### Infected Ground Squirrels.

An infected squirrel was found in San Luis Obispo County, Cal., January 29. In Alameda County, Cal., 2 infected squirrels were found February 5.

Passed Asst. Surg. G. W. McCoy reports:

The only development of special importance during the past week is the discovery of an infected ground squirrel from San Luis Obispo County, Cal. The place where this squirrel was found is about 150 miles south of San Francisco. The county is one of the coast counties of the State.

The infected rodent was found in the northern end of the county at a point about midway between Los Angeles and San Francisco. It is important to note that about 2,000 squirrels from this county had been examined before an infected one was found. This illustrates why the determination of the extent of the epizootic is a matter requiring much time and work.

### Cattle as Possible Intermediary Hosts for Squirrel Fleas.

Asst. Surg. Frieuch Simpson reports:

In a consideration of the facts of plague transmission from rat to man or from squirrel to man, through the intermediation of the flea, the opportunity for the passage of the infected flea from rat to man is easily perceived. Practically, rats and man make their homes together; both are migratory and both subsist on food of the same character. Further, the rat in foraging, visits a territory which is periodically, and with more or less frequency, occupied by man. This actual, though not necessarily perceived, contact, affords opportunity for the passage of the infected flea from one host to another, and plague arising under such circumstances is reasonably explained.

The close association of squirrels in their villages offers an easy means for the passage of fleas from one animal to another, and that infected fleas can transmit plague from squirrel to squirrel has been demonstrated beyond doubt, but the method of conveyance and the opportunity for the passage of infected fleas from squirrel to man is not so readily demonstrated. By preference the squirrel lives in the open and probably by election would build his home far from human habitations, but because of a more abundant food supply he is frequently found practically at one's door. In common with the rat, he obtains

at least a part of his food supply from man, and in numerous instances lives in a territory periodically, although more rarely, traversed by man. Plague occurring where this relationship can be shown to exist, and where infected squirrels can be found, might be reasonably explained as an infection resulting from contact with squirrels. In fact, plague in man has occurred with sufficient frequency where this close association could be shown to warrant the statement that the infection came from the squirrel. But the occurrence of two cases of plague, without exposure to rat infection, and where the route of infection could not be satisfactorily traced to the squirrel, has led to the belief that there exists some unrecognized means of conveyance for infected fleas. A possible solution is contained in the theory that cattle on the range are the unrecognized factors, in that they offer a means for the conveyance of infected fleas from squirrels to man. In support of this theory attention is called to the following facts: Fleas abound in and about squirrel villages, the number present depending on the season of the year, and cattle as they range over this territory stray through and lie down to rest in and around these villages. Under such circumstances they might acquire fleas, and since it has been established that fleas quickly desert an animal after death and seek another host, they would the more readily acquire fleas in those villages containing infected squirrels. Where fed daily at some common point, as is the case with dairy cattle, they might readily convey these fleas from the homes of the squirrel to the homes of man, and plague occurring under such circumstances, where this intermediate host was not recognized, would not be satisfactorily traced to its source.

On visiting certain squirrel villages known to be plague infected, I have been impressed with their isolation and with the lack of evidence of more than occasional contact with man; but at the same time cattle were seen grazing in and around such villages. That they may act as the connecting link in transmission seems plausible.

Doctor McCoy further reports:

#### SAN FRANCISCO, CAL.

Last case of human plague sickened January 30, 1908. Last case of rodent plague trapped October 23, 1908. Total number of rats found infected to date 398.

Week ended February 12, 1910. Premises inspected, 1,185. Houses destroyed, 8. Nuisances abated, 145. Poisons placed, 7,420. Rats trapped, 1,939. Rats found dead, 28. Gophers trapped, 2. Rats identified, 1,967, as follows: *Mus norvegicus*, 1,424; *Mus rattus*, 98; *Mus musculus*, 330; *Mus alexandrinus*, 115. Examined bacteriologically, 1,639 rats and 2 gophers. No plague infection found.

#### OAKLAND, CAL.

Last case of human plague sickened October 26, 1909. Last case of rodent plague trapped December 1, 1908.

Week ended February 12, 1910. Rats found dead, 16. Rats trapped, 600. Rats identified, 616, as follows: *Mus norvegicus*, 524; *Mus alexandrinus*, 2; *Mus musculus*, 90. Rats examined bacteriologically, 611. No plague-infected rats found.

**ALAMEDA COUNTY, CAL. (Exclusive of Oakland).**

Last case of human plague sickened 2 miles southwest of Sunol September 26, 1909. Last plague-infected rodent was found February 5, 1910. To the present time 64 ground squirrels and 1 wood rat have been found infected.

Week ended February 12. Ranches inspected, 5. Ground squirrels shot, 27; found dead, 2. Acres covered with poison, 160. Ground squirrels examined bacteriologically, 29. Plague-infected squirrels found, 2.

The infected squirrels were found February 5, 1 at Berkeley Heights and 1 at North Cragmont.

**CONTRA COSTA COUNTY, CAL.**

The last case of human plague sickened July 21, 1908. The last plague-infected rodent was found January 15, 1910. Total number of ground squirrels found infected to date, 242.

Week ended February 12. Ranches inspected, 5. Ground squirrels shot, 70; trapped, 5. Rabbits trapped, 2. Examined bacteriologically, 72 ground squirrels and 2 rabbits. No plague infection found.

**FRESNO COUNTY, CAL.**

There is no record of human or rodent plague in Fresno County.

Week ended February 12. Ranches inspected, 35. Ground squirrels shot, 594. Ground squirrels found dead, 3. Ground squirrels examined bacteriologically, 596. No plague-infected squirrels found.

**MARIPOSA COUNTY, CAL.**

There is no record of human or rodent plague in Mariposa County.

Week ended February 12. Ranches inspected, 11. Ground squirrels shot, 109; found dead, 1; trapped, 3. Ground squirrels examined bacteriologically, 110. No plague-infected squirrels found.

**MERCED COUNTY, CAL.**

There is no record of human or rodent plague in Merced County.

Week ended February 12. Ranches inspected, 9. Ground squirrels shot, 211. Rabbits shot, 19. Examined bacteriologically 211 squirrels and 19 rabbits. No plague infection found.

**MONTEREY COUNTY, CAL.**

There is no record of human or rodent plague in Monterey County.

Week ended February 12. Ranches inspected, 34. Ground squirrels shot, 305; trapped, 3. Ground squirrels examined bacteriologically, 303. No plague-infected squirrels found.

**SAN JOAQUIN COUNTY, CAL.**

There is no record of human or rodent plague in San Joaquin County.

Week ended February 12. Ranches inspected, 15. Ground squirrels shot, 81. Ground squirrels examined bacteriologically, 81. No plague-infected squirrels found.

**SAN LUIS OBISPO COUNTY, CAL.**

There is no record of human plague in San Luis Obispo County. A plague-infected rodent was found January 29, 1910.

Week ended February 12. Ranches inspected, 29. Ground squirrels shot, 409. Kangaroo rats found dead, 1. Examined bacteriologically 409 squirrels and 1 kangaroo rat. One plague-infected squirrel was found.

The plague-infected ground squirrel was found January 29 in the vicinity of San Miguel.

**SAN MATEO COUNTY, CAL.**

There is no record of human or rodent plague in San Mateo County.

Week ended February 12. Ranches inspected, 9. Ground squirrels shot, 90. Ground squirrels examined bacteriologically, 90. No plague-infected squirrels found.

**SANTA BARBARA COUNTY, CAL.**

There is no record of human or rodent plague in Santa Barbara County.

Week ended February 12. Ranches inspected, 19. Ground squirrels shot, 200; found dead, 8; trapped, 4. Ground squirrels examined bacteriologically, 208. No plague-infected squirrels found.

**SANTA CLARA COUNTY, CAL.**

There is no record of human plague in Santa Clara County. The last plague-infected rodent was found November 3, 1909. Total number of ground squirrels found infected to date, 9.

Week ended February 12, 1910. Ranches inspected, 4. Ground squirrels shot, 85. Ground squirrels examined bacteriologically, 81. No plague-infected squirrels found.

**SANTA CRUZ COUNTY, CAL.**

There is no record of human plague in Santa Cruz County. A plague-infected ground squirrel was found November 6, 1909.

Week ended February 12. Ranches inspected, 22. Ground squirrels shot, 52; trapped, 7. Rabbits shot, 1. Examined bacteriologically 55 squirrels and 1 rabbit. No plague infection found.

**SOLANO COUNTY, CAL.**

There is no record of human or rodent plague in Solano County.

Week ended February 12. Ranches inspected, 1. Ground squirrels shot, 4. Ground squirrels examined bacteriologically, 4. No plague-infected squirrels found.

**TULARE COUNTY, CAL.**

There is no record of human or rodent plague in Tulare County.

Week ended February 12. Ranches inspected, 79. Ground squirrels shot, 400. Rabbits shot, 3. Ground squirrels found dead, 6; trapped, 11. Ground squirrels examined bacteriologically, 415. No plague-infected squirrels found.

VENTURA COUNTY, CAL.

There is no record of human or rodent plague in Ventura County. Week ended February 12. Ranches inspected, 8. Ground squirrels shot, 213. Ground squirrels examined bacteriologically, 210. No plague-infected squirrels found.

SEATTLE, WASH.

Passed Assistant Surgeon Glover reports:  
No case of human plague since October 30, 1907. The last plague-infected rat was found February 8, 1910. Total plague-infected rats found to date, 22.

Week ended February 12. Rats received, 738. Rats necropsied, 548. No plague-infected rats found.

SMALLPOX IN THE UNITED STATES.

Reports Received During Week Ended March 4, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Montgomery.....	Feb. 13-19.....	24		
Arkansas:				
Argenta.....	Feb. 6-12.....	6		
Little Rock.....	Jan. 1-Feb. 19.....	56		This includes 20 cases previously reported occurring between Jan. 25 and 31.
California:				
Los Angeles.....	Feb. 6-12.....	1		
Sacramento.....	Jan. 1-31.....	48		
San Francisco.....	Feb. 6-12.....	1		
District of Columbia.....	Feb. 13-19.....	3		
Florida:				
Columbia County.....	Feb. 13-19.....	2		
Escambia County.....	Feb. 13-19.....	10		
Kansas:				
Allen County.....	Jan. 1-31.....	1		
Barton County.....	Jan. 1-31.....	1		
Bourbon County.....	Jan. 1-31.....	3		
Cherokee County.....	Jan. 1-31.....	8		
Crawford County.....	Jan. 1-31.....	3		
Pittsburg.....	Jan. 1-31.....	1		
Decatur County.....	Jan. 1-31.....	11		
Dickinson County.....	Jan. 1-31.....	4		
Ellsworth County.....	Jan. 1-31.....	14		
Finney County.....	Jan. 1-31.....	1		
Ford County.....	Jan. 1-31.....	6		
Graham County.....	Jan. 1-31.....	20		
Gray County.....	Jan. 1-31.....	18		
Hamilton County.....	Jan. 1-31.....	2		
Jewell County.....	Jan. 1-31.....	37		
Kearney County.....	Jan. 1-31.....	1		
Kingman County.....	Jan. 1-31.....	2		
Labette County.....	Jan. 1-31.....	5		
Logan County.....	Jan. 1-31.....	2		
McPherson County.....	Jan. 1-31.....	2		
Miami County.....	Jan. 1-31.....	3		
Montgomery County.....	Jan. 1-31.....	86		
Coffeyville.....	Jan. 1-31.....	11		
Nemaha County.....	Jan. 1-31.....	1		
Neosha County.....	Jan. 1-31.....	1		
Norton County.....	Jan. 1-31.....	8		
Osage County.....	Jan. 1-31.....	11		
Phillips County.....	Jan. 1-31.....	3		
Rawlins County.....	Jan. 1-31.....	5		
Reno County.....	Jan. 1-31.....	50		
Rice County.....	Jan. 1-31.....	1		
Riley County.....	Jan. 1-31.....	8		
Rush County.....	Jan. 1-31.....	5		
Russell County.....	Jan. 1-31.....	1		
Sedgwick County.....	Jan. 1-31.....	1		
Wichita.....	Jan. 1-31.....	1		
Shawnee County—				
Topeka.....	Jan. 1-31.....	8		
Sheridan County.....	Jan. 1-31.....	1		
Smith County.....	Jan. 1-31.....	2		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended March 4, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Kansas—Continued.</b>				
Sumner County.....	Jan. 1-31.....	2		
Thomas County.....	Jan. 1-31.....	1		
Wilson County.....	Jan. 1-31.....	1		
Woodson County.....	Jan. 1-31.....	25		
Wyandotte County.....	Jan. 1-31.....	22		
Kansas City.....	Jan. 1-31.....	39		
<b>Louisiana:</b>				
New Orleans.....	Feb. 13-19.....	7		
Parishes—				
Acadia.....	Jan. 1-Dec. 31.....	50		
Ascension.....	Jan. 1-Dec. 31.....	8		
Avoyelles.....	Jan. 1-Dec. 31.....	15		
Bienville.....	Jan. 1-Dec. 31.....	500		
Caldwell.....	Jan. 1-Dec. 31.....	4		
Catahoula.....	Jan. 1-Dec. 31.....	25		
Claiborne.....	Jan. 1-Dec. 31.....	200		
Concordia.....	Jan. 1-Dec. 31.....	30		
East Carroll.....	Jan. 1-Dec. 31.....	50		
Grant.....	Jan. 1-Dec. 31.....	15		Report of cases in Louisiana for the year 1909.
Iberville.....	Jan. 1-Dec. 31.....	4		
La Salle.....	Jan. 1-Dec. 31.....	6		
Lafayette.....	Jan. 1-Dec. 31.....	48		
Lincoln.....	Jan. 1-Dec. 31.....	30		
Madison.....	Jan. 1-Dec. 31.....	25		
Morehouse.....	Jan. 1-Dec. 31.....	6		
Rapides.....	Jan. 1-Dec. 31.....	10		
Red River.....	Jan. 1-Dec. 31.....	100		
Richland.....	Jan. 1-Dec. 31.....	5		
Sabine.....	Jan. 1-Dec. 31.....	50		
St. Charles.....	Jan. 1-Dec. 31.....	1		
St. Helena.....	Jan. 1-Dec. 31.....	8		
St. Martin.....	Jan. 1-Dec. 31.....	9		
St. Tammany.....	Jan. 1-Dec. 31.....	5		
Tangipahoa.....	Jan. 1-Dec. 31.....	4		
Tensas.....	Jan. 1-Dec. 31.....	31		
Terrebonne.....	Jan. 1-Dec. 31.....	12		
Webster.....	Jan. 1-Dec. 31.....	40		
West Carroll.....	Jan. 1-Dec. 31.....	30		
<b>Missouri:</b>				
St. Joseph.....	Jan. 31-Feb. 5.....	2		
St. Louis.....	Feb. 13-19.....	2		
<b>Montana:</b>				
Beaverhead County.....	Dec. 1-31.....	1		
Dawson County.....	Dec. 1-31.....	4		
Gallatin County.....	Dec. 1-31.....	1		Cases reported in Montana during January were published last week.
Missoula County.....	Dec. 1-31.....	30		
Park County.....	Dec. 1-31.....	9		
Ravalli County.....	Dec. 1-31.....	1		
Silver Bow County.....	Dec. 1-31.....	43		
<b>New Jersey:</b>				
Passaic County.....	Jan. 1-31.....	1		
<b>North Carolina:</b>				
Alamance County.....	Dec. 1-31.....	23		
Bladen County.....	Dec. 1-31.....	6		
Burke County.....	Dec. 1-31.....	1		Few cases.
Caldwell County.....	Dec. 1-31.....	1		
Catawba County.....	Dec. 1-31.....	10		
Chatham County.....	Dec. 1-31.....	1		
Chowan County.....	Dec. 1-31.....	1		
Craven County.....	Dec. 1-31.....	2		
Davidson County.....	Dec. 1-31.....	8		
Duplin County.....	Dec. 1-31.....	2		
Edgecombe County.....	Dec. 1-31.....	1		
Forsyth County.....	Dec. 1-31.....	21		
Franklin County.....	Dec. 1-31.....	20		
Gaston County.....	Dec. 1-31.....	3		
Greene County.....	Dec. 1-31.....	25		
Guilford County.....	Dec. 1-31.....	8		
Johnston County.....	Dec. 1-31.....	6		
Jones County.....	Dec. 1-31.....	3		
Lenoir County.....	Dec. 1-31.....	1		
McDowell County.....	Dec. 1-31.....	9		
Mecklenburg County.....	Dec. 1-31.....	20		
Nash County.....	Dec. 1-31.....	40		Approximate.
Onslow County.....	Dec. 1-31.....	1		
Pitt County.....	Dec. 1-31.....	20		
Randolph County.....	Dec. 1-31.....	1		
Robeson County.....	Dec. 1-31.....	6		
Rutherford County.....	Dec. 1-31.....	9		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended March 4, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>North Carolina—Continued.</b>				
Surry County.....	Dec. 1-31.....	4		
Union County.....	Dec. 1-31.....	10		
Wilson County.....	Dec. 1-31.....	84		
Yadkin County.....	Dec. 1-31.....	1		
Pennsylvania (entire State).....	Jan. 1-31.....	14		
<b>Tennessee:</b>				
Chattanooga.....	Feb. 13-19.....	5		
Knoxville.....	Feb. 13-19.....	5		
Memphis.....	Feb. 13-19.....	7		
<b>Texas:</b>				
Rockdale.....	Feb. 13-19.....	3		
<b>Utah:</b>				
Box Elder County.....	Jan. 1-31.....	9		
Cache County.....	Jan. 1-31.....	1		
Carbon County.....	Jan. 1-31.....	4		
Davis County.....	Jan. 1-31.....	20		
Juab County.....	Jan. 1-31.....	16		
Rich County.....	Jan. 1-31.....	1		
Salt Lake County.....	Jan. 1-31.....	46		
San Pete County.....	Jan. 1-31.....	8		
Sevier County.....	Jan. 1-31.....	1		
Summit County.....	Jan. 1-31.....	12		
Uintah County.....	Jan. 1-31.....	5		
Utah County.....	Jan. 1-31.....	38		
Wasatch County.....	Jan. 1-31.....	6	1	
Weber County.....	Jan. 1-31.....	14		
<b>Virginia:</b>				
Lynchburg.....	Feb. 13-19.....	9		

Reports Received from January 1 to February 25, 1910.

For reports received from June 25, 1909, to December 31, 1909, see PUBLIC HEALTH REPORTS for December 31, 1909. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.)

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Alabama:</b>				
Birmingham.....	Jan. 9-Feb. 12.....	19		
Mobile.....	Jan. 16-Feb. 5.....	4		
Montgomery.....	Dec. 19-Feb. 12.....	316		
Total for State.....		339		
<b>Arkansas:</b>				
Little Rock.....	Jan. 25-31.....	20		
Argenta.....	Jan. 22-28.....	5		
Lonoke.....	Jan. 6-20.....	2		
Total for State.....		27		
<b>California:</b>				
Berkeley.....	Dec. 26-Jan. 1.....	1		
Los Angeles.....	Jan. 12-Feb. 5.....	3		
Oakland.....	Dec. 26-Jan. 1.....	1		
Sacramento County.....	Jan. 1-31.....		1	
Sacramento.....	Dec. 12-18.....	2		
San Francisco.....	Dec. 19-Feb. 5.....	9		
Total for State.....		16	1	
<b>Colorado:</b>				
Boulder.....	Dec. 19-25.....	1		
Chaffee County.....	Jan. 1-31.....	6		
Conejos County.....	Jan. 1-31.....	10		
Denver County.....	Jan. 1-31.....	10		
Garfield County.....	Jan. 1-31.....	1		
Huerfano County.....	Jan. 1-31.....	3		
Larimer County.....	Jan. 1-31.....	4		
Las Animas County.....	Jan. 1-31.....	5		
Logan County.....	Jan. 1-31.....	3		
Mesa County.....	Jan. 1-31.....	4		
Fruita District.....	Dec. 26-Jan. 1.....	3		
Montrose County.....	Jan. 1-31.....	6		
Morgan County.....	Jan. 1-31.....	1		



## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to February 25, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Colorado—Continued.</b>				
Otero County.....	Jan. 1-31.....	1		
Ouray County.....	Jan. 1-31.....	11		
San Miguel County.....	Jan. 1-31.....	1		
Summit County.....	Jan. 1-31.....	1		
Weld County.....	Jan. 1-31.....	15		
Total for State.....		86		
<b>District of Columbia.</b>				
District of Columbia.....	Dec. 19-Feb. 12.....	12		
Total for District.....		12		
<b>Florida:</b>				
Escambia County.....	Feb. 6-12.....	15		
Jacksonville.....	Jan. 30-Feb. 5.....	1		
Total for State.....		16		
<b>Georgia:</b>				
Macon.....	Jan. 1-31.....	51		
Total for State.....		51		
<b>Illinois:</b>				
Alexander County.....	Jan. 1-31.....	6		
Coles County.....	Jan. 1-31.....	4		
Cook County—				
Chicago.....	Dec. 19-25.....	2		
Edwards County.....	Jan. 1-31.....	19		
Efingham County.....	Jan. 1-31.....	81		
Fayette County.....	Jan. 1-31.....	1		
Franklin County.....	Jan. 1-31.....	6		
Jackson County.....	Jan. 1-31.....	2		
Kane County.....	Jan. 1-31.....	1		
Macon County.....	Jan. 1-31.....	1		
McLean County.....	Jan. 1-31.....	1		
Montgomery County.....	Jan. 1-31.....	7		
Pulaski County.....	Jan. 1-31.....	2		
Sangamon County.....	Jan. 1-31.....	4		
Shelby County.....	Jan. 1-31.....	9		
Wabash County.....	Jan. 1-31.....			Present.
Wayne County.....	Jan. 1-31.....	5		
Williamson County.....	Jan. 1-31.....	21		
Total for State.....		172		
<b>Indiana:</b>				
Adams County.....	Oct. 1-31.....	4		
Allen County.....	Oct. 1-Jan. 31.....	180	1	
Carroll County.....	Nov. 1-Jan. 21.....	2		
Clark County.....	Dec. 1-Jan. 31.....	20		
Clinton County.....	Dec. 1-Jan. 31.....	28		
Crawford County.....	Jan. 1-31.....	1		
Daviess County.....	Nov. 1-Jan. 31.....	28		
Decatur County.....	Jan. 1-31.....	3		
DeKalb County.....	Dec. 1-Jan. 31.....	3		
Delaware County.....	Oct. 1-Nov. 30.....	20		
Fountain County.....	Jan. 1-31.....	1		
Fulton County.....	Jan. 1-31.....	4		
Grant County.....	Oct. 1-Jan. 31.....	35		
Greene County.....	Oct. 1-31.....	6		
Hamilton County.....	Jan. 1-31.....	4		
Henry County.....	Jan. 1-31.....	2		
Huntington County.....	Jan. 1-31.....	1		
Jefferson County.....	Nov. 1-30.....	1		
Jennings County.....	Jan. 1-31.....	6		
Knox County.....	Oct. 1-31.....	7		
Laporte County.....	Dec. 1-31.....	1		
Madison County.....	Jan. 1-31.....	3		
Marion County.....	Dec. 1-Jan. 31.....	3		
Marshall County.....	Oct. 1-Jan. 31.....	80		
Martin County.....	Jan. 1-31.....	1		
Miami County.....	Jan. 1-31.....	3		
Montgomery County.....	Jan. 1-31.....	2		
Noble County.....	Nov. 1-Jan. 31.....	2		
Randolph County.....	Oct. 1-31.....	1		
St. Joseph County.....	Oct. 1-Jan. 31.....	21		
Shelby County.....	Dec. 1-Jan. 31.....	33		
Stauben County.....	Nov. 1-30.....	3		
Tippecanoe County.....	Dec. 1-Jan. 31.....	3		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to February 25, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Indiana—Continued.</b>				
Vanderburg County.....	Oct. 1-31.....	8		
Warren County.....	Nov. 1-30.....	1		
Washington County.....	Jan. 1-31.....	1		
Wayne County.....	Nov. 1-Jan. 31.....	1		
Total for State.....		523	1	
<b>Iowa:</b>				
Buena Vista County.....	Jan. 1-31.....	1		
Calhoun County.....	Jan. 1-31.....	10		
Cass County.....	Jan. 1-31.....	1		
Cedar County.....	Jan. 1-31.....	3		
Cherokee County.....	Jan. 1-31.....	24		
Clayton County.....	Jan. 1-31.....	1		
Dallas County.....	Jan. 1-31.....	1		
Dubuque County.....	Jan. 1-31.....	5		
Jones County.....	Jan. 1-31.....	1		
Linn County.....	Jan. 1-31.....	7		
Cedar Rapids.....	Dec. 1-31.....	7		
Madison County.....	Jan. 1-31.....	1		
Marion County.....	Jan. 1-31.....	2		
Marshall County.....	Jan. 1-31.....	4		
Monroe County.....	Jan. 1-31.....	2		
Polk County.....	Jan. 1-31.....	27		
Pottawattamie County.....	Jan. 1-31.....	1		
Poweshiek County.....	Jan. 1-31.....	6		
Sioux County.....	Jan. 1-31.....	6		
Woodbury County— Sioux City.....	Dec. 1-31.....	2		
Total for State.....		112		
<b>Kansas:</b>				
Clay County.....	Nov. 1-30.....	1		
Cloud County.....	Nov. 1-30.....	1		
Cowley County.....	Nov. 1-30.....	3		
Crawford County.....	Dec. 1-31.....	1		
Decatur County.....	Nov. 1-Dec. 31.....	10		
Douglas County.....	Dec. 1-31.....	1		
Gove County.....	Dec. 1-31.....	3		
Graham County.....	Nov. 1-30.....	20		
Jackson County.....	Dec. 1-31.....	5		
Jewell County.....	Dec. 1-31.....	7		
Lane County.....	Nov. 1-30.....	1		
Leavenworth County.....	Dec. 1-31.....	1		
Lyon County.....	Dec. 1-31.....	1		
Marshall County.....	Dec. 1-31.....	20		
McPherson County.....	Dec. 1-31.....	1		
Montgomery County.....	Nov. 1-Dec. 31.....	23		
Ness County.....	Dec. 1-31.....	8		
Norton County.....	Nov. 1-30.....	30		
Pottawatomie County.....	Dec. 1-31.....	6		
Reno County.....	Nov. 1-Dec. 31.....	73		
Riley County.....	Dec. 1-31.....	9		
Saline County.....	Dec. 1-31.....	1		
Scott County.....	Nov. 1-Dec. 31.....	11		
Sedgwick County.....	Dec. 1-31.....	1	1	
Shawnee County.....	Dec. 1-31.....	12		
Topeka.....	Nov. 1-30.....	1		
Sheridan County.....	Nov. 1-Dec. 31.....	7		
Sumner County.....	Nov. 1-30.....	9		
Waubanee County.....	Nov. 1-30.....	3		
Wilson County.....	Nov. 1-30.....	2		
Wyandotte County.....	Dec. 1-31.....	69		
Total for State.....		341	1	
<b>Kentucky:</b>				
Hartford.....	Dec. 12-18.....	2		
Lexington.....	Dec. 12-Jan. 29.....	4		
Paducah.....	Jan. 5-11.....	1		
Total for State.....		7		
<b>Louisiana:</b>				
New Orleans.....	Dec. 26-Feb. 11.....	46		
Shreveport.....	Jan. 23-29.....	5		
Total for State.....		51		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to February 25, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Maryland:</b>				
Baltimore .....	Dec. 26-Jan. 1 .....	1		
Dorchester County .....	Dec. 3-31 .....	4		
Garrett County .....	Jan. 8-31 .....	1		
Total for State .....		6		
<b>Massachusetts:</b>				
Essex County .....	Jan. 1-31 .....	1		
Middlesex County .....	Jan. 1-31 .....	65		
Lynn County .....	Jan. 1-31 .....	4		
Suffolk County .....	Jan. 1-31 .....	2		
Worcester County .....	Jan. 1-31 .....	18		
Total for State .....		90		
<b>Michigan:</b>				
Alcona County .....	Nov. 1-Jan. 31 .....	26		
Antrim County .....	Nov. 1-Jan. 31 .....	22		
Arenac County .....	Nov. 1-Jan. 31 .....	134		
Bay County .....	Nov. 1-Jan. 31 .....	72		
Berrien County .....	Jan. 1-31 .....	6		
Delta County .....	Dec. 1-31 .....	1		
Emmet County .....	Nov. 1-Dec. 31 .....	2		
Genesee County .....	Nov. 1-Jan. 31 .....	189		
Gladwin County .....	Nov. 1-Jan. 31 .....	8		
Gratiot County .....	Nov. 1-30 .....	1		
Houghton County .....	Nov. 1-Jan. 31 .....	46		
Ingham County .....	Dec. 1-Jan. 31 .....	8		
Ionia County .....	Nov. 1-Jan. 31 .....	39		
Iscos County .....	Dec. 1-31 .....		1	
Kent County .....	Dec. 1-Jan. 31 .....	4		
Keweenaw County .....	Jan. 1-31 .....	1		
Lapeer County .....	Nov. 1-30 .....	2		
Livingston County .....	Nov. 1-Jan. 31 .....	18		
Marquette County .....	Nov. 1-30 .....	1		
Mason County .....	Nov. 1-30 .....	1		
Mecosta County .....	Jan. 1-31 .....	4		
Midland County .....	Dec. 1-Jan. 31 .....	6		
Missaukee County .....	Jan. 1-31 .....	15		
Montcalm County .....	Nov. 1-30 .....	3		
Montgomery County .....	Dec. 1-31 .....	32		
Oakland County .....	Jan. 1-31 .....	1		
Oceana County .....	Jan. 1-31 .....	1		
Ogemaw County .....	Jan. 1-31 .....	5		
Ontonagon County .....	Nov. 1-30 .....	2		
Osceola County .....	Dec. 1-Jan. 31 .....	7		
Oscoda County .....	Jan. 1-31 .....	2		
Otsego County .....	Dec. 1-31 .....	1		
Presque Isle County .....	Dec. 1-Jan. 31 .....	2		
Roscommon County .....	Jan. 1-31 .....	6		
Saginaw County .....	Dec. 1-Jan. 1 .....	29		
St. Clair County .....	Jan. 1-31 .....	2		
Sanilac County .....	Nov. 1-30 .....	2		
Shiawassee County .....	Dec. 1-Jan. 31 .....	6		
Wayne County .....	Dec. 1-Jan. 31 .....	6		
Total for State .....		713	1	
<b>Minnesota:</b>				
Becker County .....	Jan. 4-10 .....	3		
Beltrami County .....	Dec. 21-Jan. 10 .....	2		
Benton County .....	Dec. 14-20 .....	7		
Blue Earth County .....	Dec. 21-27 .....	1		
Carver County .....	Dec. 7-Jan. 3 .....	4		
Chippewa County .....	Jan. 11-17 .....	1		
Cook County .....	Jan. 25-31 .....	2		
Dodge County .....	Jan. 25-31 .....	1		
Freeborn County .....	Jan. 18-31 .....	3		
Goodhue County .....	Dec. 28-Jan. 31 .....	1		
Hennepin County .....	Dec. 28-Jan. 31 .....	7		
Itasca County .....	Dec. 14-20 .....	1		
Kandiyohi County .....	Dec. 7-13 .....	1		
Lake County .....	Jan. 18-31 .....	6		
Mower County .....	Dec. 28-Jan. 10 .....	16		
Nobles County .....	Jan. 18-25 .....	1		
Norman County .....	Jan. 18-25 .....	2		
Ottertail County .....	Dec. 21-Jan. 25 .....	14		
Polk County .....	Dec. 7-13 .....	1		
Ramsey County .....	Jan. 11-17 .....	2		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to February 25, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Minnesota—Continued.</b>				
Red Lake County.....	Dec. 7-13.....	1		
Renville County.....	Dec. 7-13.....	1		
Rice County.....	Jan. 11-17.....	1		
Rock County.....	Dec. 7-Jan. 17.....	17		
Roseau County.....	Dec. 7-Jan. 31.....	14		
St. Louis County.....	Dec. 7-Jan. 31.....	15		
Sherburne County.....	Jan. 11-17.....	1		
Sibley County.....	Dec. 28-Jan. 25.....	6		
Todd County.....	Dec. 28-Jan. 31.....	1		
Wabasha County.....	Dec. 13-Jan. 31.....	16		
Watonwan County.....	Dec. 28-Jan. 31.....	1		
Wright County.....	Dec. 7-Jan. 31.....	36		
Total for State.....		186		
<b>Mississippi:</b>				
Bloxi.....	Jan. 2-Feb. 3.....	5		
Gulfport.....	Jan. 26-Feb. 3.....	8		
Holly Springs.....	Jan. 2-29.....	6		
Marshall County.....	Jan. 30-Feb. 5.....	3		
Natchez.....	Dec. 26-Feb. 5.....	58	1	
Claiborne County— Port Gibson.....	Dec. 19-25.....	1		
Total for State.....		81	1	
<b>Missouri:</b>				
Andrew County.....	Jan. 23-29.....	3		
Joplin.....	Jan. 16-22.....	1		
Kansas City.....	Jan. 2-Feb. 12.....	15	1	
St. Joseph.....	Jan. 2-15.....	5		
St. Louis.....	Dec. 26-Feb. 12.....	8		
Springfield.....	Jan. 1-31.....	4		
Total for State.....		42	1	
<b>Montana:</b>				
Beaverhead County.....	Dec. 1-Jan. 31.....	2		
Carbon County.....	Jan. 1-31.....	1		
Chouteau County.....	Jan. 1-31.....	6		
Dawson County.....	Nov. 1-Jan. 31.....	6		
Flathead County.....	Oct. 1-Nov. 30.....	6		
Gallatin County.....	Dec. 1-Jan. 31.....	2		
Jefferson County.....	Nov. 1-30.....	1		
Lewis and Clark County.....	Oct. 1-Jan. 31.....	6		
Madison County.....	Jan. 1-31.....	1		
Missoula County.....	Oct. 1-Jan. 31.....	70		
Park County.....	Nov. 1-Jan. 31.....	14		
Powell County.....	Nov. 1-30.....	1		
Ravalli County.....	Nov. 1-Dec. 31.....	3		
Sanders County.....	Jan. 1-31.....	3		
Silver Bow County.....	Oct. 1-Jan. 31.....	135		
Butte.....	Dec. 19-31.....	14		
Yellowstone County.....	Jan. 1-31.....	2		
Total for State.....		273		
<b>Nebraska:</b>				
South Omaha.....	Dec. 5-11.....	3		
Total for State.....		3		
<b>New Hampshire (entire State).</b>				
	Jan. 1-Feb. 16.....	4		
<b>New Jersey:</b>				
Trenton.....	Jan. 30-Feb. 5.....	1		
Total for State.....		1		
<b>New York (entire State).</b>				
	Sept. 1-Nov. 30.....	33	1	
Cattaraugus County.....	Dec. 1-31.....	1		
Cayuga County.....	Dec. 1-31.....	1		
Erie County.....	Dec. 1-31.....	17		
Jefferson County.....	Dec. 1-31.....	1		
Lewis County.....	Dec. 1-Jan. 31.....	2		
Niagara County.....	Dec. 1-Jan. 31.....	40		
Oneida County.....	Dec. 1-Jan. 31.....	2		
St. Lawrence County.....	Jan. 1-31.....	9		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to February 25, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>New York (entire State)—Con.</b>				
Ulster County.....	Jan. 1-31.....	2		
Westchester County.....	Jan. 1-31.....	1		
<b>Total for State.....</b>		<b>109</b>	<b>1</b>	
<b>North Carolina:</b>				
Alamance County.....	Jan. 1-31.....	39		
Beaufort County.....	Jan. 1-31.....	7		
Bertie County.....	Jan. 1-31.....	6		
Bladen County.....	Nov. 1-Jan. 31.....	15		
Burke County.....	Jan. 1-31.....	20		
Cabarrus County.....	Jan. 1-31.....	13		
Caldwell County.....	Jan. 1-31.....	8		
Carteret County.....	Jan. 1-31.....	1		
Catawba County.....	Oct. 1-Jan. 31.....	25		
Chatham County.....	Jan. 1-31.....	1		
Chowan County.....	Oct. 1-Jan. 31.....	13		
Cleveland County.....	Oct. 1-Jan. 31.....	1		
Craven County.....	Nov. 1-Jan. 31.....	4		
Currituck County.....	Oct. 1-Nov. 30.....	4		
Davidson County.....	Oct. 1-Jan. 31.....	22		
Davie County.....	Jan. 1-31.....	18		
Duplin County.....	Nov. 1-Jan. 31.....	2		
Durham County.....	Jan. 1-31.....	3		
Edgecombe County.....	Jan. 1-31.....	22		
Forsyth County.....	Oct. 1-Jan. 31.....	68		
Franklin County.....	Oct. 1-31.....	15		
Gaston County.....	Nov. 1-30.....	1		
Greene County.....	Nov. 1-30.....	15		
Gulford County.....	Nov. 1-Jan. 31.....	63		
Iredell County.....	Jan. 1-31.....	4		
Johnston County.....	Nov. 1-Jan. 31.....	17		
Jones County.....	Oct. 1-Nov. 30.....	9		
Lenoir County.....	Jan. 1-31.....	30		
Lincoln County.....	Jan. 1-31.....	1		
McDowell County.....	Nov. 1-Jan. 31.....	58		
Mecklenburg County.....	Nov. 1-31.....	53	1	Nov. 1-30, many cases.
Nash County.....	Jan. 1-31.....	50		
Onslow County.....	Jan. 1-31.....	4		
Pamlico County.....	Jan. 1-31.....	4		Several.
Perquimans County.....	Jan. 1-31.....	4		
Pitt County.....	Jan. 1-31.....	42		
Randolph County.....	Jan. 1-31.....	1		
Robeson County.....	Oct. 1-31.....	1		
Rockingham County.....	Nov. 1-31.....	26		
Rowan County.....	Nov. 1-Jan. 31.....	7		
Rutherford County.....	Nov. 1-Jan. 31.....	29		
Sampson County.....	Jan. 1-31.....	1		
Stokes County.....	Jan. 1-31.....	140		
Surry County.....	Oct. 1-Nov. 30.....	5		
Union County.....	Oct. 1-Jan. 31.....	52		
Wake County.....	Nov. 1-Jan. 31.....	33		
Wayne County.....	Nov. 1-30.....	8		
Wilkes County.....	Jan. 1-31.....	9		
Wilson County.....	Nov. 1-Jan. 31.....	115		
Yadkin County.....	Oct. 1-Jan. 31.....	6		
Yancey County.....	Oct. 1-Jan. 31.....	14		
<b>Total for State.....</b>		<b>1,105</b>	<b>1</b>	
<b>North Dakota:</b>				
Billings County.....	Jan. 1-31.....	4		
Bottineau County.....	Oct. 1-31.....	1		
Cass County.....	Dec. 1-31.....	1		
Grand Forks County.....	Jan. 1-31.....	1		
McLean County.....	Dec. 1-Jan. 31.....	4		
Walsh County.....	Jan. 1-31.....	39		
<b>Total for State.....</b>		<b>50</b>		
<b>Ohio:</b>				
Allen County.....	Jan. 1-31.....	15		
Adams County.....	Jan. 1-31.....	1		
Belmont County.....	Jan. 1-31.....	4		
Brown County.....	Jan. 1-31.....	18		
Clermont County.....	Jan. 1-31.....	1		
Cuyahoga County—				
Cleveland.....	Dec. 19-26.....	1		
Darke County.....	Jan. 1-31.....	3		
Franklin County.....	Jan. 1-31.....	1		
Hamilton County.....	Jan. 1-31.....	1		
Jackson County.....	Jan. 1-31.....	29		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to February 25, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Ohio—Continued.</b>				
Miami County.....	Jan. 1-31.....	1		
Montgomery County.....	Jan. 1-31.....	2		
Ross County.....	Jan. 1-31.....	16		
Shelby County.....	Jan. 1-31.....	6		
Van Wert County.....	Jan. 1-31.....	5		
Wayne County.....	Jan. 1-31.....	1		
Williams County— Stryker.....	Dec. 19-25.....	1		
<b>Total for State.....</b>		<b>106</b>		
<b>Oklahoma:</b>				
Beckham County.....	Nov. 1-30.....	1		
Blaine County.....	Dec. 1-31.....	7		
Coal County.....	Aug. 1-Sept. 30.....	10		
Comanche County.....	Nov. 1-30.....	1		
Creek County.....	Oct. 1-Nov. 30.....	3		
Garfield County.....	Nov. 1-30.....	1		
Grant County.....	Aug. 1-31.....	1		
Harmon County.....	Aug. 1-31.....	2		
Hughes County.....	Aug. 1-31.....	3		
Jackson County.....	Aug. 1-Nov. 30.....	19		
Kingfisher County.....	Oct. 1-31.....	2		
Le Flore County.....	Oct. 1-31.....	1		
Lincoln County.....	Aug. 1-31.....	3		
McIntosh County.....	Sept. 1-30.....	2		
Marshall County.....	Oct. 1-31.....	1		
Muskogee County.....	Oct. 1-31.....	1		
Okfuskee County.....	Oct. 1-31.....	1		
Oklahoma County.....	Aug., Sept., and Nov.....	14	1	
Osage County.....	Sept. 1-Oct. 31.....	9		
Pawnee County.....	Aug. 1-31.....	1		
Pottawatomie County.....	Sept. 1-Nov. 30.....	41		
Pushmataha County.....	Sept. 1-30.....	1		
Seminole County.....	Oct. 1-Nov. 30.....	7		
Sequoyah County.....	Aug. 1-Sept. 30.....	2		
Tulsa County.....	Nov. 1-30.....	3		
Washington County.....	Nov. 1-30.....	1		
Woodward County.....	Nov. 1-30.....	1		
<b>Total for State.....</b>		<b>139</b>	<b>1</b>	
<b>Oregon (entire State).....</b>				
Portland.....	Dec. 1-31.....	28		
	Nov. 1-30.....	2		
<b>Total for State.....</b>		<b>30</b>		
<b>Pennsylvania (entire State).....</b>				
	Dec. 1-31.....	2		
<b>South Carolina:</b>				
Clover.....	Jan. 23-29.....	3		
<b>Total for State.....</b>		<b>3</b>		
<b>Tennessee:</b>				
Chattanooga.....	Dec. 26-Feb. 12.....	30		
Knoxville.....	Jan. 2-Feb. 12.....	24		
Memphis.....	Nov. 1-Feb. 12.....	122		
Dekalb County.....	Dec. 12-Jan. 1.....	9		
Washington County.....	Dec. 26-Feb. 5.....	11		
<b>Total for State.....</b>		<b>196</b>		
<b>Texas:</b>				
Amarillo.....	Jan. 16-22.....	16		
Atacosta County.....	Jan. 31-Feb. 6.....	4		
Denton County.....	Dec. 26-Feb. 5.....	77	10	
El Paso.....	Nov. 1-Jan. 22.....	5	1	
Fort Worth.....	Nov. 1-Jan. 31.....	32	2	
Galveston.....	Feb. 6-12.....	2		
Hale County.....	Jan. 9-15.....	7		
San Antonio.....	Dec. 5-Feb. 12.....	16	1	
Waco.....	Jan. 1-31.....	1		
Walnut Springs.....	Jan. 12-18.....	2		
Wills Point.....	Jan. 1-31.....	2	1	
<b>Total for State.....</b>		<b>164</b>	<b>15</b>	

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from January 1 to February 25, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Utah:</b>				
Boxelder County.....	Dec. 1-31.....	37		
Cache County.....	Dec. 1-31.....	20		
Carbon County.....	Dec. 1-31.....	2		
Davis County.....	Dec. 1-31.....	8		
Flute County.....	Dec. 1-31.....	1		
Salt Lake County.....	Dec. 1-31.....	22		
San Pete County.....	Dec. 1-31.....	1		
Sevier County.....	Dec. 1-31.....	2		
Tooele County.....	Dec. 1-31.....	1		
Uintah County.....	Dec. 1-31.....	16		
Utah County.....	Dec. 1-31.....	31		
Wasatch County.....	Dec. 1-31.....	1		
Weber County.....	Dec. 1-31.....	14		
Total for State.....		156		
<b>Virginia:</b>				
Lynchburg.....	Jan. 30-Feb. 5.....	10		
Petersburg.....	Dec. 26-Jan. 26.....	2		
Portsmouth.....	Jan. 16-29.....	2		
Richmond.....	Dec. 1-31.....	1		
Total for State.....		15		
<b>Washington:</b>				
Kitsap County.....	Jan. 1-31.....	1		
Seattle.....	Jan. 2-22.....	6		
Spokane.....	Dec. 19-Jan. 29.....	22		
Tacoma.....	Jan. 2-8.....	1		
Wahkeakum County.....	Dec. 1-31.....	8		
Total for State.....		38		
<b>West Virginia:</b>				
Wheeling.....	Jan. 30-Feb. 5.....	1		
Total for State.....		1		
<b>Wisconsin:</b>				
Chippewa County.....	Jan. 1-31.....	3		
Clark County.....	Jan. 1-31.....	10		
Douglas County.....	Jan. 1-31.....	4		
Superior.....	Dec. 19-Jan. 1.....	6		
Jefferson County.....	Jan. 1-31.....	6		
Juneau County.....	Jan. 1-31.....	1		
La Crosse County.....	Jan. 1-31.....	9		
La Crosse.....	Dec. 19-Jan. 1.....	2		
Langlade County.....	Jan. 1-31.....	2		
Milwaukee County.....	Jan. 1-31.....	2		
Milwaukee.....	Dec. 19-Jan. 1.....	2		
Winnebago County.....	Jan. 1-31.....	2		
Total for State.....		49		
Grand total for the United States.....		5,315	24	

MORBIDITY AND MORTALITY.

WEEKLY MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES.

[For smallpox see special tables.]

Cities.	Week ended—	Estimated population, 1909.	Total deaths from all causes.	Tuberculosis.		Typhoid fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa.	Feb. 19	50,814	13	1	1			1				2			
Ann Arbor, Mich.	Feb. 5	14,711	7					1							
Do.	Feb. 12		6												
Ashtabula, Ohio.	Feb. 19	16,648	7												1
Auburn, N. Y.	Jan. 29	34,272	12	2		2		4				1	1	3	
Do.	Feb. 5		9	3		1		5						5	
Do.	Feb. 12		13	2				6						1	
Baltimore, Md.	Feb. 19	576,023	266	188	30	6	2	32	1	13	1	30	2	10	4
Bayonne, N. J.	Feb. 19	49,894						9	6	3	1			4	
Beaver Falls, Pa.	do.	10,341										2			
Berkeley, Cal.	Feb. 12	19,700	7					2				24		3	
Biddeford, Me.	Feb. 19	17,676	11									1	1		
Binghamton, N. Y.	do.	45,855	20		5					1		6		2	1
Birmingham, Ala.	Feb. 12	49,553	42	3	4	5		3				13		1	
Braddock, Pa.	do.	21,000	14	1				1				3			
Brockton, Mass.	Feb. 19	53,978	23		3			2	2					2	
Bridgport, Conn.	Feb. 12	90,913	31	5	7			25	2	7		2	1	5	
Butler, Pa.	do.	12,760	4	2	1			1		1					
Do.	Feb. 19		9					1							
Cambridge, Ohio.	do.	11,733										32			
Canton, Ohio.	do.	40,037	16		1					1					
Do.	Feb. 12		13	2	1										
Camden, N. J.	Feb. 19	89,305	50	1	4	1		1		6					
Cambridge, Mass.	do.	101,872	38	7	12	2		2		4		4			
Carbondale, Pa.	do.	15,698	9		1	1		3				5			
Charlotte, N. C.	Feb. 12	35,101	8	1	1	1						23			
Chattanooga, Tenn.	do.	34,654	2							1					
Chelsea, Mass.	Feb. 19	39,862	10	1	1			2							
Chicago, Ill.	Feb. 12	2,224,491	631	137	107	24	2	170	6	105	15	232	4	68	2
Do.	Feb. 19		648	137	83	13	7	169	7	110	15	270	3	61	4
Chicopee, Mass.	do.	20,010	9	1	3							16			
Cleveland, Ohio.	Feb. 18	506,938	156	23	20	4	1	19		13	3	187	4	8	
Clinton, Mass.	Feb. 19	12,656	3	1						2		1			
Coffeyville, Kans.	Feb. 12		5	1								6			
Columbus, Ga.	Feb. 19	17,893	11												
Columbus, Ohio.	Feb. 12	155,340	62	4	9	1				9	1	41		1	
Do.	Feb. 19		43	5	3	2		5		1		55		3	
Concord, N. H.	Feb. 12	21,997	7			1		1				19			
Covington, Ky.	Feb. 19	51,715	35		8	1				3	2	3		1	
Danville, Ill.	do.	27,387		1								30			
Dayton, Ohio.	Feb. 12	108,688	43	1	4	1		3				1			
Do.	Feb. 19		37	1	3	1		2				1		1	
Detroit, Mich.	Feb. 12	384,855	128				1	32		22					
Duluth, Minn.	do.	74,520	20	3	2		2	27		3		4			
Dunkirk, N. Y.	Feb. 19	18,061	4		1			4				20			
East Weymouth, Mass.	do.	11,793	5		1					1					
Elmira, N. Y.	do.	35,765	18	1	2			3		3	1	1		6	
Elyria, Ohio.	Feb. 12	11,653	4		2	1									
Erie, Pa.	Feb. 19	63,652	16	6	3	4		9	1	1		8			
Evansville, Ind.	do.	66,945	19	5	2	3		4		4		5			
Everett, Mass.	do.	32,931	6	2	1			2		4		4			
Fall River, Mass.	do.	106,481	41	4	4	1		5		2		1			
Freeport, Ill.	do.	19,200	7					1		2		2			
Galesburg, Ill.	do.	21,615	10												
Galveston, Tex.	Feb. 12	36,904	1	2	1			2		2					
Do.	Feb. 19		2	2	2	1				2					
Gloucester, Mass.	do.	25,923	8												
Grand Rapids, Mich.	do.	105,909	30		4	11	1	33	2	3		14			
Harrison, N. J.	do.	14,604	6					1		2		2			
Haverhill, Mass.	Feb. 10	38,354	12	2				5		1		1		6	
Do.	Feb. 19		13	3				3		6		5		4	
Homestead, Pa.	Feb. 7	17,145	11	1				2		1		5			
Do.	Feb. 14		10	3				4				15			
Hyde Park, Mass.	Feb. 19	15,522	2	1								1			
Indianapolis, Ind.	Feb. 12	241,826	54	3	11	2		9		9	275	2		15	2
Jacksonville, Fla.	Feb. 5	40,798	8		2					6					
Do.	Feb. 19		1	1				1	1						

• Estimated population 1906. No estimate 1909.



## MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States—Continued

Cities.	Week ended—	Esti- mated popula- tion, 1909.	Total deaths from all causes.	Tuber- culosis.		Ty- phoid fever.		Scarlet fever.		Diph- theria.		Measles.		Whoop- ing cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Johnstown, Pa.	Feb. 19	46,520	8	1	1	1	1	3		3		27		4	
Kingston, N. Y.	do.	20,110	8	1	2	1									
Kalamazoo, Mich.	Feb. 5	36,504	14	2	1			12		3		1		3	
Do.	Feb. 12		10	1	1							1		3	
Do.	Feb. 19		23	2	2							1		1	
Kansas City, Kans.	Feb. 12	85,742	30	5	7	1	1	1		8	1	40		2	
Kansas City, Mo.	Feb. 5	191,685	6	6	39	5	29	4	15	1	204		2		
Do.	Feb. 12		41	3	32	2	33	1	9		256	1			
Kearny, N. J.	Feb. 19	15,765	5								7				
Kingston, N. Y.	Feb. 12	20,110	9	1	2		3				1				
Do.	Feb. 19		8	2	4		7			1					
Knoxville, Tenn.	Feb. 12	37,758	14	4											
La Crosse, Wis.	Feb. 19	29,224	7	2			1			1		3			
Lancaster, Pa.	do.	49,962	13	1	1		5					23			
La Fayette, Ind.	do.	19,801	5	2	1		1	1	7	1	16	1	2		
Lawrence, Mass.	Feb. 5	76,042	25	3	3		7	2	3		24	2			
Do.	Feb. 12	76,042	41	3	5		2	7	2	3	31				
Do.	Feb. 19		28	2	7			2		2	3			2	
Lebanon, Pa.	do.	20,295	7				2								
Lexington, Ky.	do.	30,690	16	2	2		2								1
Los Angeles, Cal.	Feb. 5	103,000	11	1	1	1		11		18		727	2	10	
Lowell, Mass.	Feb. 19	95,125	48	1	2			1		7		91	4		
Lynn, Mass.	Feb. 12	83,865	24	6	2		6		4	1	1				
Do.	Feb. 19		32	1	2	1		11		5		2			
Malden, Mass.	Feb. 12	41,535	11	2			5		2						
Manchester, N. H.	Feb. 19	68,561	25						3		5				
Manitowoc, Wis.	Feb. 12	13,490	3					4		1					
Do.	Feb. 19	13,490	1												
Mansfield, Ohio.	do.	21,390							1		9				
Marinette, Wis.	do.	14,682	4				3								
Massillon, Ohio.	do.	13,610	1				2			1		12			
Medford, Mass.	do.	20,839	8												
Milwaukee, Wis.	Jan. 8	332,495	104	16	10	67	3	40	1	20	1	14		3	
Do.	Feb. 5		94	21	8	28	1	34	1	1		10	1	5	
Do.	Feb. 12		105	8	3	31	4	33	2	14	2	22		13	
Melrose, Mass.	do.	15,361	6	2											
Memphis, Tenn.	do.	136,363	48	8	5		4			6					
Mobile, Ala.	Feb. 5	45,122	31		4										
Do.	Feb. 12		20		1		1								
Moline, Ill.	Feb. 19	23,081	6												
Monticello, Ind.	do.											1			
Montclair, N. J.	do.	18,296	10	4	2			3				17			
Montgomery, Ala.	Feb. 12	43,927	23	2	4										
Morristown, N. J.	Feb. 19	12,845	9	1				1		1		5			
Mount Vernon, N. Y.	do.	27,891	10		1	1		6							
Muncie, Ind.	do.	30,266	5	1			1	1				21	1		
Muskegon, Mich.	do.	20,995					1			1		1			
Nanticoke, Pa.	Feb. 20	13,890	6												
Nashville, Tenn.	Feb. 19	103,476	32		3	1				1					
Nebraska City, Nebr.	do.		3			7						5			
Newark, N. J.	do.	308,669	126	19	19	2		69		53	3				2
New Bedford, Mass.	do.	83,898	28	4		1		14		3		42			
Newburyport, Mass.	do.	14,832	9		1										
New Orleans, La.	Feb. 11	327,662	147	36	21	4	5	12	2	23	1	48			
Newport, Ky.	Feb. 19	31,345	11		1		1			2					
New York, N. Y.	do.	4,450,963	1,576	802	169	61	9	736	39	386	57	1,341		35	3
Niagara Falls, N. Y.	do.	32,012	6		6		5	1	2	2		36			
Norristown, Pa.	do.	24,491	22	3	3	1		3	1	1					
North Adams, Mass.	do.	20,510	3	2						1					
Northampton, Mass.	do.	21,008	7					1						1	
Orange, N. J.	do.	27,669	12	1	1	1		7		1		20			
Ottumwa, Iowa.	Feb. 12	21,648	6												
Do.	Feb. 19		6		1										
Palmer, Mass.	do.		4					3							1
Peekskill, N. Y.	do.	15,473	8					2				11			
Philadelphia, Pa.	do.	1,491,082		92	63	37	12	37	3	92	13	33			3
Pittsburg, Pa.	Feb. 12	558,123	194	19	14	20	1	6	3	11		185	7	16	
Plainfield, N. J.	Feb. 19	20,947	13		2			3				4			

\* Population 1900. No estimate for 1909.

MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Esti- mated popu- lation, 1909.	Total deaths from all causes.	Tuber- culosis.		Ty- phoid fever.		Scarlet fever.		Diph- theria. •		Measles.		Whoop- ing cough.	
				Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Plymouth, Pa.	Feb. 12	17,524		2											
Do.	do.			1				2		3			7		
Do.	Feb. 19			1				1		1			4		
Fontlac, Mich.	Feb. 5	12,819	10	16				5		1					
Portsmouth, N. H.	Feb. 19	11,336						1		1					
Portstown, Pa.	do.	14,065	8		2			1		1			33		
Providence, R. I.	do.	217,065	80	5	5	6		9	1	6	1		72	3	
Racine, Wis.	do.	34,840	9		2			4							
Reading, Pa.	Feb. 21	97,321	31	2	5	4				6	1		36		7
Rock Island, Ill.	Feb. 12	24,766	9			12		1		1					
Sacramento, Cal.	Jan. 8	31,889	12			1				3			5		
Do.	Jan. 15		15										16		
Do.	Jan. 22		14			3	1			2			19		
Do.	Jan. 29		15			3		1		1			9		
Do.	Feb. 5		6			2				2			11		
Do.	Feb. 12		10			1	1						15	1	
Saginaw, Mich.	Feb. 5	51,941	14												
St. Joseph, Mo.	Jan. 29		24	1	1			4		2	1		5		
St. Louis, Mo.	Feb. 12	686,369	243	54	25	1		71	2	38	2		16		35
San Antonio, Tex.	do.	67,404	2	13	2	9									
Sandusky, Ohio.	Feb. 19		4					1							
San Francisco, Cal.	Feb. 5	• 342,782	124	38	20	5	1	14		14			19		11
San Jose, Cal.	Feb. 12	24,596	5		1										
Saratoga Springs, N. Y.	do.	13,471	5		1			2					1		
Schenectady, N. Y.	do.	73,037	16	5	1	1				2	1		148		
Somerville, Mass.	Feb. 19	75,375	21					3		2	1		1		
South Bethlehem, Pa.	do.	15,886	4	2	1	3				2	1		11		
Spokane, Wash.	Feb. 5	• 47,006	33		2		1	10		13			4		
Do.	Feb. 12	• 47,006	28		2			6		1	1		7		
Springfield, Mass.	Feb. 19	82,724	26	4				2		5			24		3
Springfield, Ohio.	do.	43,975	14	6						2	1		6		
Steelton, Pa.	Feb. 19	14,769	6	1				1		4			2		
Superior, Wis.	Feb. 12	40,919	9		1			6		2					
Tacoma, Wash.	do.	• 37,714	6	7	1	1		5	1	1			1		
Taunton, Mass.	Feb. 19	30,926	20		1			1					7		
Terre Haute, Ind.	do.	55,509	14							1			28		
Titusville, Pa.	do.	8,397	4			1							1		
Toledo, Ohio.	Feb. 12	174,059	38		1	4	2	1		5			128	1	
Trenton, N. J.	Feb. 5	92,878	4	6	3	2		12		4	1				
Do.	Feb. 19		5	11	3	2		17		3	2				
Utica, N. Y.	do.	69,458	25	2	2			1					30		
Waltham, Mass.	do.	28,522	11	1				9		3			1		
Washington, D. C.	Feb. 12	322,212	150	32	19	6	2	57	1	15	2		1		18
West Newton, Mass.	Feb. 19	39,419	12	3	2	1		3					2		
Wheeling, W. Va.	Feb. 12	42,799	12	3	1	4		4		1			1		1
Wichita, Kans.	Feb. 19	39,612	20		1			1					11		
Wilkes-Barre, Pa.	do.	64,323	18	5	1	1		3		2			1		10
Williamsburg, Pa.	do.	19,999	9	1		1							2		3
Williamsport, Pa.	do.	30,220	7	1		1		8	1				6		
Wilmington, Del.	do.	88,980	36		3								1		
Woburn, Mass.	do.	14,520	9					3							
Worcester, Mass.	Jan. 29	135,906	51	13	7			2		11	1		25		2
Do.	Feb. 5		33		4		1	11		7			15		5
Do.	Feb. 12		54	8	3	3		1	1	15	1		12		
Yonkers, N. Y.	Feb. 19	72,200	17	1	1	13		15	1	9	2				
York, Pa.	do.	41,895	6		2			2					17		
Zanesville, Ohio.	do.	25,614	7		1										

• Estimated population 1906. No estimate for 1909.

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

ARKANSAS—Little Rock.—Month of January, 1910. Population, 38,307. Number of deaths not reported. One death from tetanus. Cases reported: Smallpox 20, measles 35, scarlet fever 9, diphtheria 1.

**CALIFORNIA—*Sacramento*.**—Month of November, 1909. Population 55,000. Total number of deaths from all causes 64, including typhoid fever 1, tuberculosis 10. Cases reported: Typhoid fever 1, smallpox 1, measles 13, scarlet fever 5, diphtheria 4.

Month of December, 1909. Total number of deaths from all causes 72, including typhoid fever 2, tuberculosis 8. Cases reported: Typhoid fever 5, smallpox 2, measles 37, diphtheria 2.

**FLORIDA—*Tampa*.**—Month of January, 1910. Population 15,839. Total number of deaths from all causes 73, including typhoid fever 3, measles 1, tuberculosis 13. Cases reported: Typhoid fever 5, measles 52, diphtheria 5, tuberculosis 3.

**INDIANA.**—Month of December, 1909. Population 2,732,550. Total number of deaths from all causes 2,831, including typhoid fever 52, measles 4, scarlet fever 22, diphtheria 46, tuberculosis 305. Cases reported: Typhoid fever 131 in 50 counties, smallpox 92 in 14 counties, diphtheria 320 in 44 counties.

**IOWA—*Keokuk*.**—Month of January, 1910. Population 16,000. Total number of deaths from all causes 23, including typhoid fever 2, tuberculosis 1. No cases of contagious diseases reported.

**KENTUCKY—*Louisville*.**—Month of January, 1910. Population 269,749. Total number of deaths from all causes 363, including typhoid fever 2, diphtheria 1, tuberculosis 52. Cases reported: Typhoid fever 2, scarlet fever 25, diphtheria 21.

**MARYLAND.**—Month of November, 1909. Population 1,190,050. Total number of deaths from all causes 805, including typhoid fever 40, scarlet fever 1, diphtheria 12, tuberculosis 96, pellagra 1. Cases reported: Typhoid fever 178, measles 134, scarlet fever 101, diphtheria 101. The cases of typhoid fever were distributed as follows: Potomac River watershed 56, Patapsco River watershed 15, Patuxent River watershed 3, Herring Run watershed 1 case.

**NEW YORK.**—Month of December, 1909. Population 8,699,643. Total number of deaths from all causes 12,417, including typhoid fever 115, measles 120, scarlet fever 143, diphtheria 248, tuberculosis 1,346. Cases reported: Typhoid fever 505, smallpox 53, measles 5,790, scarlet fever 2,543, diphtheria 1,982, tuberculosis 2,208.

**TEXAS—*Waco*.**—Month of January, 1910. Population 30,000. Total number of deaths from all causes 25, including typhoid fever 1, tuberculosis 3. Cases reported: Smallpox 41, scarlet fever 3, diphtheria 2, tuberculosis 10.

# FOREIGN AND INSULAR.

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## CHINA.

### AMOY—Inspection of Vessels—Smallpox.

Passed Assistant Surgeon Foster reports, January 14 and 18: Week ended January 8. Two fatal cases of smallpox were reported at the international settlement of Kulangsu.

Week ended January 15. Original bill of health granted January 12 to the British steamship *Taisang* with 61 in crew and 39 cabin and 139 steerage passengers for Manila. All passengers were vaccinated. Members of crew and steerage passengers were bathed and their clothing was disinfected with steam. All on board were inspected prior to sailing. Three passengers were rejected for trachoma and 1 passenger for leprosy. Manifests were viséed for 2,173 packages of freight. The vessel anchored in stream while in port. Two deaths from smallpox were reported in the international settlement of Kulangsu.

### SHANGHAI—Inspection of Vessels—Smallpox.

Acting Assistant Surgeon Ransom reports, January 25:

Week ended January 22. Five original and 3 supplemental bills of health granted to 8 steamships, having an aggregate personnel of 1,084. Members of crews bathed, 97; steerage passengers bathed, 11; pieces of personal baggage disinfected, 142. The forecabin of 1 vessel was rendered mechanically clean. Vessels inspected 7; members of crews inspected 451, and cabin and steerage passengers 2 and 79 respectively. Manifests were viséed for 3,590 pieces of freight.

The weekly report of the municipal health officer shows 1 new case of smallpox among foreigners and among natives 2 deaths from smallpox.

## CUBA.

### CIENFUEGOS—Inspection of Vessels.

Acting Assistant Surgeon Suarez reports, February 16:

Week ended February 12. Vessels inspected, 8. Bills of health issued, 8. Members of crews of outgoing vessels inspected, 178; landed without inspection, 2.

No quarantinable disease reported.

### HABANA—Inspection of Vessels—Leprosy in the Island.

Acting Assistant Surgeon Villoldo reports, February 22:

Week ended February 19. Bills of health issued, 32. Vessels inspected and passed, 27. Members of crews of outgoing vessels inspected, 1,583. Passengers of outgoing vessels inspected, 1,738.

Certificates of inspection of hides issued, 8. No quarantinable disease reported.

The department of sanitation reports 31,649 houses inspected and 14,359 water deposits petrolized or suppressed from February 1 to 10.

During the period from January 15 to 31, 2 new cases of leprosy, with 1 death and 327 cases under treatment, were reported for the island of Cuba.

**MATANZAS—Inspection of Vessels.**

Acting Assistant Surgeon Nuñez reports, February 21:

Week ended February 19. Bills of health granted to 5 vessels bound for the United States. No quarantinable disease reported.

**SANTIAGO—Inspection of Vessels.**

Acting Assistant Surgeon Wilson reports, February 15:

Week ended February 12. Bills of health issued to 4 vessels bound for the United States and its dependencies. No quarantinable disease reported.

The department of sanitation reports the inspection of 3,067 houses.

**INDIA.**

**CALCUTTA—Cholera and Plague.**

Acting Assistant Surgeon Allan reports, January 27:

Week ended January 15. At Calcutta there were 15 deaths from cholera and 9 from plague; in all Bengal 1,394 cases of plague, with 1,212 deaths; in all India 12,621 cases of plague, with 10,467 deaths.

**ITALY.**

**NAPLES—Examination of Emigrants—Smallpox.**

Surgeon Geddings reports, February 7:

*Vessels inspected at Naples and Palermo, week ended February 5.*

**NAPLES.**

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage disinfected.
Feb. 2	Duca degli Abruzzi.....	New York.....	363	50	630
3	Caronia.....	do.....			
4	Principe di Piemonte.....	do.....	113	14	260
4	Barbarossa.....	do.....	184	15	320
5	Verona.....	Philadelphia.....	547	60	650
	Total.....		1,107	139	1,860

**PALERMO.**

Feb. 3	Liguria.....	New Orleans.....	124	200	85
5	Principe di Piemonte.....	New York.....	52	120	50
	Total.....		176	320	135

## Rejections recommended.

## NAPLES.

Date.	Name of ship.	Trachoma.	Favus.	Suspected trachoma.	Suspected favus.	Other causes.	Total.
Feb. 2	Duca degli Abruzzi.....	10	1	1		6	18
3	Caronia.....						
4	Principe di Piemonte.....	3		2		1	6
4	Barbarossa.....	5	1	5			11
5	Verona.....	13	1	3		3	20
	Total.....	31	3	11		10	55

## PALERMO.

Feb. 3	Liguria.....	9		3		1	13
5	Principe di Piemonte.....	5		2		2	9
	Total.....	14		5		3	22

*Smallpox in Naples.*—During the week ended February 6, 18 cases of smallpox with 1 death were reported at the health office of the city of Naples.

## JAPAN.

## YOKOHAMA—Inspection and Fumigation of Vessels.

Surgeon Irwin reports, February 4:

Week ended January 29. Bills of health issued to steamships *Seneca* for New York with 49 in crew; *Korea* for Manila with 281 in crew, 107 cabin passengers, and 369 steerage passengers; *Asia* for San Francisco with 136 in crew and 79 cabin and 284 steerage passengers; *Suveric* for Seattle with 73 in crew and 2 cabin and 11 steerage passengers; *Hazel Dollar* for San Francisco with 49 in crew, and bark *Calcutta* for San Francisco with 23 in crew. One vessel was disinfected. No quarantinable disease reported.

## KOBE—Examination of Emigrants—Plague.

Acting Assistant Surgeon Smith reports, January 26 and February 2:

Week ended January 22. Supplemental bills of health granted to 7 steamships. Members of crews inspected, 772; steerage passengers inspected, 911; members of crews bathed, 43; steerage passengers bathed, 87; effects of crews and steerage passengers disinfected; pieces of baggage steamed 377 and of bedding 180; manifests viséed for 47,295 pieces of freight amounting to 4,966 tons. The steerage passengers were in quarantine detention at Ono before embarkation. Emigrants per steamship *Chiyo Maru* for Honolulu passed 42, recommended for rejection 12; for San Francisco passed 3, recommended for rejection 2. Per steamship *Awa Maru* for Seattle passed 27, recommended for rejection 4. The emigrants passed together with 8 intending passengers to Victoria were inspected and bathed and their effects were disinfected. They were detained 7 days in quarantine at Ono before embarkation.

The official returns of infectious diseases for the week show 1 fatal case of plague at Kobe.

Week ended January 29. Supplemental bills of health granted to 4 steamships. Members of crews and steerage passengers inspected 199 and 366, respectively; members of crews bathed, 41; effects disinfected; number of pieces of baggage steamed, 82; manifests viséed for 45,110 pieces of freight amounting to 3,645 tons.

#### MEXICO.

##### Report from the Superior Board of Health of Mexico.

In compliance with articles 1 and 2 of the International Sanitary Convention held at Washington, October 9-14, 1905, the acting president of the Superior Board of Health of Mexico reports, February 14 and 21, that no case of yellow fever and no death from the said disease were registered in the Mexican Republic during the weeks ended February 12 and 19, and that the prophylactic measures reported under date of September 28, 1908, continue to be carried out.

##### SAN LUIS POTOSI—Scarlet Fever.

Consul Bucklin reports, February 10:

Scarlet fever is prevalent in this city, a total of 24 deaths having been reported from December 11, 1909, to January 28, 1910.

San Luis Potosi has a population of 61,019.

#### PHILIPPINE ISLANDS.

Passed Asst. Surg. V. G. Heiser, chief quarantine officer and director of health of the Philippine Islands, reports, January 17 and 20:

##### Diagnosis of Cholera.

Important facts have developed in connection with the diagnosis of cholera in Manila. For the corresponding quarter of 1905 there were 80 cases of meningitis reported; 81 cases for 1906; 151 for 1907; and 129 for 1908. In view of the desirability of verifying the diagnoses in some of these cases a number of autopsies were made, and these showed that the cause of death was not meningitis but cholera.

It was therefore decided early in the quarter to hold autopsies in all cases that were reported as meningitis. This step had the immediate apparent effect of increasing the diagnostic acumen of those signing death certificates, and only 29 cases of meningitis were reported. It is interesting to note, however, that of these, 12 proved to be cholera, 8 beri beri, and 9 meningitis.

Erroneous diagnoses of this kind furnish additional proof of the manner in which it is possible for cholera to be tided over from one outbreak to another, and also most strongly emphasize the importance of continuing investigation with regard to cholera in the Philippine Islands.

The indications of success in combating the outbreak of cholera in Cebu, which were mentioned in previous reports, have been fully realized, and the disease has been brought under complete control. On December 29, 1909, no cases had been reported for 5 days, and the maritime quarantine restrictions at that port were removed.

**Leprosy in the Provinces.**

During the month of December the bureau of health made another thorough canvass of all the lepers in the provinces south of Manila, and, with the exception of a few isolated instances, it is believed that all cases in that section have now been transferred to the Culion leper colony.

The isolation of lepers in the Philippine Islands is apparently meeting all expectations. It will be remembered that actual segregation was begun in 1906, and at that time there were over 4,000 lepers reported; now there are only 2,300 remaining, and the records show that the number of new infections has been reduced from approximately 700 to 300 per year.

Special progress has been made in detecting incipient cases of leprosy. So far, 3 Americans have contracted the disease.

**Cholera in the Provinces.**

**WEEK ENDED JANUARY 8.**

Provinces.	Cases.	Deaths.
Bataan.....	11	10
Cebu.....	5	4
Leyte.....	21	20
Pampanga.....	20	11
Rizal.....	2	2
<b>Total.....</b>	<b>59</b>	<b>47</b>

**WEEK ENDED JANUARY 15.**

Bataan.....	1	..
Cebu.....	4	10
Leyte.....	1	1
Pampanga.....	17	10
<b>Total.....</b>	<b>23</b>	<b>21</b>

**Quarantinable Diseases in Manila.**

Week ended January 8. In the city of Manila 16 cases of cholera, with 10 deaths, and 3 cases of smallpox were reported. Week ended January 15; 12 cases of cholera, with 10 deaths, and 3 cases of smallpox reported.

**Inspection of Vessels.**

January 8, the British steamship *Suveric*, with 69 in crew, granted a bill of health for Seattle via Hongkong and Japan ports. Cargo inspected and passed. Manifests viséed. Personnel inspected and passed on board prior to sailing. January 8, the British steamship *Satsuma*, with 56 in crew, granted a bill of health for New York. Cargo inspected and passed and manifests signed. Crew inspected on board at hour of sailing. January 13, the British steamship *Changsha*, with 74 in crew and 8 passengers, en route from Hongkong to Zamboanga, granted a supplemental bill of health. January 13, the British steamship *Wray Castle*, with 52 in crew, en route from Yokohama to New York, granted a supplemental bill of health. Cargo inspected and manifests signed. Personnel inspected and passed at hour of sailing. January 14, the United States Army



transport *Logan*, with 193 in crew and 165 cabin and 897 steerage passengers, granted a bill of health for San Francisco via Nagasaki and Honolulu. Vessel partially disinfected. Crew and steerage passengers bathed, and their effects and baggage disinfected. Cargo and baggage either disinfected or passed after inspection. All persons on board inspected at hour of sailing.

#### RUSSIA.

##### ST. PETERSBURG—Status of Cholera in Russia.

The following information dated February 2 and 5 was received from Minister Rockhill through the Department of State, February 24:

Communications from the foreign office state that from January 16 to 22 there were 3 deaths from cholera in Moscow, and that from January 23 to 29 there were 2 cholera deaths and 1 new case of cholera in Russia. The cities of Moscow and Baku, the district of Lankoran, in the government of Baku, and the city of Astara, in Persia, are officially declared free from cholera.

##### LIBAU—Examination of Emigrants—Plague in Russia.

Acting Assistant Surgeon De Forest reports, February 6:

Week ended February 6. The steamship *Russia* sailed from Libau February 1 with 508 passengers and a crew of 130, all of whom had been in Libau under observation for the full 5 days. One hundred and one pieces of baggage were disinfected.

At Astrakhan 11 cases of plague with 11 deaths were reported, and at Riga typhus fever was reported as prevalent.

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

#### Reports Received During Week Ended March 4, 1910.

[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.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>India:</b>				
Bombay.....	Jan 19-25.....		3	
Calcutta.....	Jan. 9-15.....		15	
Rangoon.....	Jan. 9-15.....		4	
<b>Java:</b>				
Batavia.....	Jan. 9-15.....	1	1	
<b>Philippine Islands:</b>				
Manila.....	Jan. 2-15.....	28	20	
<b>Provinces—</b>				
Bataan.....	Jan. 2-15.....	12	10	
Cebu.....	Jan. 2-15.....	9	14	
Leyte.....	Jan. 2-15.....	22	21	
Pampanga.....	Jan. 2-15.....	37	21	
Rizal.....	Jan. 2-8.....	2	2	
Russia, general.....	Jan. 23-29.....	1	2	
<b>Straits Settlements:</b>				
Singapore.....	Jan. 9-15.....		2	

#### YELLOW FEVER.

<b>Brazil:</b>				
Para.....	Jan. 31-Feb. 5.....	10	7	
<b>Ecuador:</b>				
Guayaquil.....	Jan. 16-31.....	31	8	

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

**Reports Received During Week Ended March 4, 1910.**

**PLAGUE.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Brazil:</b>				
Pernambuco.....	Dec. 15-31.....		7	
Rio de Janeiro.....	Jan. 9-23.....	1		
<b>Ecuador:</b>				
Babahoyo.....	Jan. 16-31.....	1	2	
Guayaquil.....	Jan. 16-31.....	28	14	
Milagro.....	Jan. 16-31.....	6	2	
<b>Egypt:</b>				
Provinces—				
Beni Souef.....	Jan. 29-Feb. 1.....	2	1	
Fayoum.....	Jan. 28.....		1	
Galicobah.....	Feb. 3.....	1		
Garbich.....	Feb. 2.....	1	1	
Kena.....	Feb. 3.....		1	
<b>Japan:</b>				
Kobe.....	Jan. 23-29.....		1	
<b>Russia:</b>				
Astrakhan.....	Jan. 31-Feb. 6.....	11	11	

**SMALLPOX.**

<b>Algeria:</b>				
Algiers.....	Jan. 1-31.....		1	
<b>Brazil:</b>				
Pernambuco.....	Dec. 15-31.....		25	
Rio de Janeiro.....	Jan. 9-23.....	1		
<b>Canada:</b>				
British Columbia—				
Vancouver.....	Jan. 1-31.....	3		
<b>China:</b>				
Amoy.....	Jan. 9-15.....		2	
Hankow.....	Jan. 8-15.....	1		
Shanghai.....	Jan. 17-30.....	1	3	
<b>Ecuador:</b>				
Guayaquil.....	Jan. 1-14.....	95	13	
<b>Egypt:</b>				
Cairo.....	Jan. 30-Feb. 4.....	1		
<b>Great Britain:</b>				
Bristol.....	Feb. 6-12.....	1		
London.....	Jan. 31-Feb. 5.....	2		
<b>India:</b>				
Bombay.....	Jan. 19-25.....		30	
Madras.....	Jan. 15-21.....		1	
Rangoon.....	Jan. 9-15.....		3	
<b>Italy, general</b> .....	Feb. 6.....	9		
Naples.....	Jan. 30-Feb. 6.....	18	1	
<b>Mexico:</b>				
Aguascalientes.....	Feb. 6-12.....		5	
Mexico.....	Jan. 6-12.....		1	
Monterey.....	Feb. 14-20.....		1	
Veracruz.....	Feb. 13-19.....	1		
<b>Philippine Islands:</b>				
Manila.....	Jan. 2-15.....	6		
<b>Portugal:</b>				
Lisbon.....	Jan. 31-Feb. 5.....	14		
<b>Russia:</b>				
Libau.....	Jan. 31-Feb. 6.....	2		
Moscow.....	Jan. 23-29.....	22	7	
Odessa.....	Jan. 23-Feb. 5.....	36	14	
Riga.....	Jan. 23-29.....	4		
Warsaw.....	Nov. 21-27.....		15	
<b>Spain:</b>				
Barcelona.....	Feb. 1-7.....		2	
Madrid.....	Jan. 1-31.....		19	
<b>Turkey:</b>				
Constantinople.....	Jan. 31-Feb. 6.....		1	

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

Reports Received from January 1 to February 25, 1910.

## CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Germany:</b>				
Heydekrug.....	Nov. 19-Dec. 4.....	2	.....	
Niederung.....	Nov. 16-22.....	1	.....	
<b>India:</b>				
Bombay.....	Nov. 24-Jan. 18.....	.....	15	
Calcutta.....	Nov. 14-Jan. 8.....	.....	161	
Madras.....	Jan. 1-7.....	.....	1	
Rangoon.....	Nov. 14-Jan. 8.....	.....	36	
<b>Java:</b>				
Batavia.....	Nov. 14-Jan. 8.....	386	110	
<b>Norway:</b>				
Friedershalld.....	Dec. 31-Jan. 3.....	1	1	From a vessel from Riga.
<b>Persia:</b>				
Astara.....	Dec. 1-15.....	36	22	
<b>Philippine Islands:</b>				
Manila.....	Nov. 7-Jan. 1.....	57	52	Third quarter, 1909 Cases 82, deaths 61.
<b>Provinces.....</b>				Third quarter, 1909. Cases 3,946, deaths 2,609.
Albay.....	Nov. 7-20.....	6	6	
Bataan.....	Nov. 7-Jan. 1.....	134	88	
Bohol.....	Nov. 7-Jan. 1.....	27	16	
Bulacan.....	Nov. 7-Jan. 1.....	32	27	
Camarines.....	Nov. 7-20.....	5	5	
Capiz.....	Nov. 21-Dec. 18.....	3	2	
Cavite.....	Nov. 7-Jan. 1.....	80	65	
Cebu.....	Nov. 7-Jan. 1.....	273	207	Nov. 20, '1 case on s. s. Yaptico.
Laguna.....	Dec. 19-25.....	4	4	
Leyte.....	Nov. 21-Dec. 18.....	14	11	
Oriental Negros.....	Nov. 7-20.....	10	5	
Pampanga.....	Nov. 7-Jan. 1.....	89	78	
Rizal.....	Nov. 7-Jan. 1.....	8	5	
Tarlac.....	Nov. 7-13.....	9	5	
<b>Russia, general.....</b>	Nov. 21-Jan. 15.....	439	201	
Baku, government.....	Nov. 21-Dec. 25.....	22	22	
Baku.....	Nov. 21-Jan. 15.....	27	17	
Don, territory.....	Nov. 23-Dec. 25.....	18	10	
Ekaterinslav, government.....	Nov. 21-Jan. 1.....	23	7	
Jaroslavl, government.....	Nov. 21-27.....	.....	1	
Kaluga.....	Dec. 26-Jan. 1.....	1	.....	
Kostroma, government.....	Nov. 21-27.....	3	4	
Kovna, government.....	Nov. 21-27.....	8	3	
Kursk, government.....	Nov. 21-Dec. 11.....	6	.....	
<b>Moscow, government—</b>				
Moscow.....	Nov. 29-Jan. 22.....	256	115	
Pskov, government.....	Nov. 21-27.....	10	.....	
St. Petersburg, government.....	Nov. 21-Dec. 18.....	14	12	
St. Petersburg.....	Nov. 21-Jan. 1.....	53	12	
Taurida, government.....	Nov. 21-Dec. 25.....	66	28	
Vitebsk, government.....	Nov. 21-27.....	2	.....	
<b>Siam:</b>				
Bangkok.....	Oct. 28-Dec. 25.....	6	6	
<b>Siberia:</b>				
Vladivostok.....	Nov. 16-21.....	1	.....	
<b>Straits Settlements:</b>				
Singapore.....	Dec. 19-Jan. 8.....	.....	2	
<b>Sumatra:</b>				
Palembang.....	Sept. 20-Oct. 20.....	936	675	
<b>Turkey in Asia:</b>				
Trebizond.....	Nov. 28.....	1	.....	On a vessel from Batum.

## YELLOW FEVER.

<b>Brazil:</b>				
Manaos.....	Nov. 21-Jan. 22.....	.....	21	
Para.....	Nov. 28-Jan. 29.....	36	32	
<b>Ecuador:</b>				
Babahoyo.....	Jan. 1-15.....	3	.....	
Guayaquil.....	Dec. 1-Jan. 15.....	56	18	
<b>Peru:</b>				
Callao.....	Nov. 2-Dec. 2.....	1	1	From s. s. Loa.
<b>Mexico:</b>				
Yucatan—				
Merida.....	Dec. 20-21.....	1	1	
Santa Cruz de Bravo.....	Dec. 20.....	1	1	
<b>Trinidad:</b>				
Port of Spain.....	Nov. 28-Dec. 4.....	1	1	

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

**Reports Received from January 1 to February 25, 1910.**

**PLAGUE.**

Place.	Date.	Cases.	Deaths.	Remarks.
<b>Brasil:</b>				
Bahia.....	Nov. 20-Jan. 21...	47	23	
Para.....	Nov. 28-Dec. 25....	11	8	
Pernambuco.....	Oct. 15-Dec. 15....	.....	14	
Rio de Janeiro.....	Nov. 2-Dec. 26....	15	2	
Santos.....	Nov. 1-Dec. 29....	5	3	One case from bark Amazone, Dec. 1.
<b>China:</b>				
Hankow.....	Nov. 27-Dec. 7....	20	20	
Hongkong.....	Nov. 21-27.....	1	1	
<b>Ecuador:</b>				
Babahoyo.....	Dec. 16-Jan. 15....	14	2	
Guayaquil.....	Dec. 1-Jan. 15....	164	64	
Milagro.....	Jan. 1-15.....	4	1	
<b>Egypt:</b>				
Alexandria.....	Nov. 19-Dec. 15...	3	2	
Port Said.....	Nov. 30-Dec. 22...	2	1	
<b>Provinces—</b>				
Assiout.....	Sept. 29-Jan. 26...	27	9	
Behersch.....	Dec. 8-14.....	1	.....	
Beni Souef.....	Dec. 16-Jan. 26...	15	5	
Fayoum.....	Jan. 20-22.....	2	1	
Galloobeh.....	Jan. 11-17.....	2	1	
Girgeh.....	Dec. 19-26.....	2	1	
Ghizeh.....	Dec. 19-Jan. 2....	2	.....	
Manouf.....	Nov. 28-Dec. 15...	17	6	
Minieh.....	Dec. 21-27.....	3	1	
<b>German East Africa:</b>				
Mpwapwa.....	Sept. 19-Oct. 5...	7	.....	
<b>India:</b>				
Bombay Presidency and Sind.....	Nov. 7-Jan. 1....	7,897	5,459	
Madras Presidency.....	Nov. 7-Jan. 1....	766	551	
Bengal.....	Nov. 7-Jan. 1....	3,930	2,982	
United provinces.....	Nov. 7-Jan. 1....	18,488	17,101	
Punjab.....	Nov. 7-Jan. 1....	9,252	7,552	
Burma.....	Nov. 7-Jan. 1....	459	369	
Central provinces, including Berar.....	Nov. 7-Jan. 1....	5,711	4,575	
Coorg.....	Nov. 14-27.....	5	1	
Mysore State.....	Nov. 7-Jan. 1....	1,112	803	
Hyderabad State.....	Nov. 7-Jan. 1....	105	81	
Central India.....	Nov. 7-Jan. 1....	716	537	
Rajputana and Ajmer-Merwara.....	Nov. 7-Jan. 1....	2,716	2,431	
Kashmir.....	Nov. 7-Dec. 4....	140	96	
- Grand total.....		51,297	42,538	
<b>Indo-China:</b>				
Saigon.....	Nov. 7-Dec. 25...	5	4	
<b>Japan:</b>				
Kobe.....	Nov. 28-Jan. 22...	23	18	
Paraguay.....	Dec. 10.....	.....	30	In the northern part.
<b>Peru:</b>				
Arequipa, department— Mollendo.....	Dec. 20-Jan. 1....	1	.....	
Callao, department— Callao.....	Jan. 28-31.....	2	.....	
Lambayeque, department.....	Oct. 1-Dec. 9....	29	10	
Libertad, department.....	Nov. 19-Dec. 9....	25	3	
Lima, department.....	Oct. 22-Dec. 9....	9	5	
<b>Russia:</b>				
Astrakan, district.....	Dec. 5-Jan. 31...	96	87	50 miles south of Beiskulak.
Beiskulak.....	Dec. 10-16.....	18	16	
Dschedda.....	Jan. 7.....	.....	.....	Present.
Libau.....	Dec. 3-9.....	1	1	
Uralsk, district.....	Nov. 25-Jan. 12...	206	202	
<b>Siam:</b>				
Bangkok.....	Oct. 28-Nov. 27...	5	5	
<b>Straits Settlements:</b>				
Singapore.....	Dec. 25-Jan. 1....	2	2	
<b>Turkey in Asia:</b>				
Beirut.....	Nov. 29-Dec. 14...	3	.....	
Jiddah.....	Jan. 5-23.....	4	3	

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

Reports Received from January 1 to February 25, 1910.

## SMALLPOX.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria, general	Dec. 1-15	22		
Algers	Nov. 1-Dec. 31		2	
Bona	Dec. 1-31	11	7	
Argentina:				
Buenos Aires	Oct. 1-Nov. 30		16	
Austria:				
Galicia	Jan. 1-8	1		
Vienna	Jan. 9-15	1		
Brazil:				
Bahia	Nov. 20-Jan. 21	175	112	
Pernambuco	Oct. 16-Dec. 15		136	
Rio de Janeiro	Nov. 2-Dec. 26	13		
Sao Paulo	Nov. 1-21		2	
Canada:				
Nova Scotia— Halifax	Dec. 19-25	2		
Chile:				
Antofagasta	Jan. 1			Present.
Quillota	Nov. 28-Dec. 4			Do.
Valparaiso	Nov. 20-Jan. 1			Do.
China:				
Amoy	Nov. 28-Jan. 8		4	
Canton	Dec. 12-Jan. 1	15		
Chang Cheun	Dec. 11			Do.
Chio Be	Dec. 11			Do.
Hankow	Jan. 2		1	Dec. 19-Jan. 2, present among natives.
Shanghai	Nov. 1-Jan. 1		4	Among Chinese.
Cuba:				
Habana	Dec. 3-9	1		From s. s. La Navarre.
Ecuador:				
Guayaquil	Jan. 1-15	2		
Egypt, general	Nov. 5-Dec. 31	395	115	
Alexandria	Nov. 5-Dec. 25	19	19	
Cairo	Nov. 26-Jan. 21	9	3	
France:				
Paris	Dec. 5-Jan. 15	27	1	
Germany, general	Dec. 5-Jan. 29	59		
Konigsberg	Dec. 12-Jan. 15	2	2	In vicinity.
Great Britain:				
Hull	Jan. 16-22	2		
Liverpool	Dec. 19-Feb. 5	9		
London	Nov. 28-Jan. 29	15		
Nottingham	Jan. 16-22	1		
Plymouth	Nov. 12-18		1	
Southampton	Nov. 12-18	1		
Greece:				
Athens	Nov. 22-Jan. 29	4	11	
Hawaii:				
Honolulu	Jan. 31-Feb. 4	3	1	2 cases Jan. 31 from U. S. S. Washington from Yokohama. 1 case Feb. 2 on s. s. Makura.
India:				
Bombay	Nov. 24-Jan. 18		60	
Calcutta	Nov. 14-Dec. 18		6	
Kurrachee	Jan. 2-15	5		
Madras	Dec. 18-Jan. 7		2	
Rangoon	Nov. 20-Jan. 8		18	
Indo-China:				
Saigon	Dec. 7-13	1		
Italy, general	Nov. 29-Jan. 30	179		
Genoa	Dec. 1-Jan. 31	16	1	
Milan	Jan. 1-16	1		
Naples	Dec. 6-Jan. 30	123	23	
Japan:				
Kobe	Dec. 12-25	1	1	
Java:				
Batavia	Dec. 12-Jan. 8	6	1	
Liberia:				
Monrovia	Nov. 28-Dec. 4	6		
Malta:				
Valetta	Dec. 12-Jan. 15	3	1	
Mexico:				
Aguascalientes	Dec. 12-Feb. 6		18	
Chihuahua	Dec. 13-Feb. 13	5	6	
Guadalajara	Jan. 29-Feb. 4		2	
Mexico	Nov. 14-Dec. 18		11	
Monterey	Nov. 13-19		1	

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

## Reports Received from January 1 to February 25, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Netherlands:				
Rotterdam	Dec. 5-11	7		
Persia:				
Arabistan	Dec. 6-31			Present.
Hamadan	Nov. 15-Dec. 31			Do.
Kurdistan	Dec. 6-31			Do.
Sultansbad	Nov. 15			Do.
Teheran	Nov. 1-Dec. 2			Do.
Peru:				
Callao	Dec. 6-12			Do.
Philippine Islands:				
Manila	Nov. 14-Dec. 25	5		Third quarter, 1909—Cases, 5; deaths, 0.
Portugal:				
Lisbon	Dec. 5-Jan. 29	109		
Porto Rico, general	July 1-Oct. 31	38	12	
Russia:				
Batoum	Dec. 1-31	5		
Libau	Dec. 6-Jan. 30	25		
Moscow	Nov. 21-Jan. 22	78	19	
Odessa	Nov. 21-Jan. 22	121	35	
Riga	Dec. 5-Jan. 8	28		
St. Petersburg	Nov. 28-Jan. 22	364	102	Oct. 1-Nov. 30, 17 deaths.
Warsaw	Oct. 24-Nov. 20		69	
Siam:				
Bangkok	Nov. 28-Dec. 25	1	1	
Spain:				
Almeria	Nov. 1-Dec. 31		10	
Barcelona	Dec. 14-Jan. 31		19	
Huelva	Nov. 1-Dec. 31		17	
Madrid	Dec. 1-31		40	
Seville	Dec. 1-31		3	
Valencia	Jan. 9-29	2		
Vigo	Jan. 23-29		1	
Tripoli:				
Tripoli	Nov. 14-Dec. 25	242	24	
Turkey:				
Constantinople	Jan. 2-9		1	
Turkey in Asia:				
Bagdad	Nov. 21-Dec. 11			Present.
Smyrna	Nov. 5-Dec. 31		42	
Uruguay:				
Montevideo	Oct. 1-Nov. 30		12	



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.		
Moncton.....	Feb. 19	13,500	5	2												
Montreal.....	do	389,837	168	17												
Moscow.....	Jan. 29	1,500,000	731	94												
Munich.....	Jan. 22	576,000	134	33												
Nantes.....	Feb. 6	161,908	77	18												
Naples.....	Jan. 5	593,729	325													
Newcastle-on-Tyne.....	Feb. 5	281,584	102													
Nuevo Laredo.....	Feb. 12	8,000	8													
Nuramberg.....	Jan. 15	323,500	106	20												
Do.....	Jan. 22		94	10												
Odessa.....	Jan. 29	520,000	218	30												
Palermo.....	Jan. 1	335,000	172													
Do.....	Jan. 8		151													
Do.....	Jan. 15		197													
Do.....	Jan. 22		202	10												
Do.....	Jan. 29		186	2												
Para.....	Feb. 5	185,000	95	6												
Penang.....	Jan. 15	102,520	78	18												
Port Elizabeth.....	do	32,959	10	1												
Do.....	Jan. 22		15	1												
Port of Spain.....	do	60,000	42	3												
Do.....	Jan. 29		35	4												
Prague.....	Jan. 22	233,649	126	24												
Do.....	Jan. 29		139	27												
Rangoon.....	Jan. 15	252,155	193	8	2	4										
Rio de Janeiro.....	Jan. 23	850,000	648	149												
Santa Cruz de Tenerife.....	Feb. 5	46,000	21	3												
Singapore.....	Jan. 15	271,060	196	22		2										
South Shields.....	Jan. 29	119,737	24	2												
Do.....	Feb. 5		3	3												
Stettin.....	Jan. 29	239,000	67	6												
Sunderland.....	do	160,796	64	6												
Do.....	Feb. 5		54	6												
Valencia.....	do	240,000	126	10												
Valetta.....	Jan. 29	212,888	109	5												
Vigo.....	Feb. 5	40,000	15	2												
Vladivostok.....	Dec. 23	85,004	17	2												
Do.....	Jan. 4	66,750	25	4												
West Hartlepool.....	Feb. 5	392,870	22													
Yokohama.....	Jan. 31															

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

ALGERIA—*Algiers*.—Month of January, 1909. Population, 157,000. Total number of deaths from all causes 329, including typhoid fever 2, smallpox 1, tuberculosis 30.

AUSTRALIA—NEW SOUTH WALES—*New Castle*.—Month of December, 1909. Population, 53,450. Total number of deaths from all causes 59, including typhoid fever 3, tuberculosis 4.

BRAZIL—*Pernambuco*.—Two weeks ended December 31, 1909. Population, 210,000. Total number of deaths from all causes 348, including smallpox 25, measles 2, tuberculosis 49, plague 7.



FRANCE—*Nice*.—Month of December, 1909. Population, 150,881. Total number of deaths from all causes 280, including typhoid fever 1, scarlet fever 1, diphtheria 1, tuberculosis 36.

GREAT BRITAIN.—Week ended January 29.

*England and Wales*.—The deaths registered in 76 great towns, having an aggregate estimated population of 16,713,617, correspond to an annual rate of 16.3 per 1,000 of the population.

*Ireland*.—The deaths registered in 21 principal town districts, having an aggregate estimated population of 1,151,790, correspond to an annual rate of 21.1 per 1,000 of the population. The lowest rate was recorded at Wexford, viz, 4.7, and the highest at Lisburn, viz, 63.7 per 1,000.

*Scotland*.—The deaths registered in 8 principal towns, having an aggregate estimated population of 1,864,194, correspond to an annual rate of 19.1. The lowest rate was recorded at Paisley, viz, 15.6, and the highest at Greenock, viz, 31.9. The total number of deaths from all causes was 693, including typhoid fever 3, measles 54, scarlet fever 4, diphtheria 12.

ITALY—*Genoa*.—Two weeks ended January 31, 1910. Population 279,163. Total number of deaths from all causes 266, including typhoid fever 4, diphtheria 1, tuberculosis 25.

MALTA.—Two weeks ended January 22, 1910. Population 212,888. Total number of deaths from all causes 210, including typhoid fever 3, Mediterranean fever 8, tuberculosis 10.

SPAIN—*Madrid*.—Month of January, 1909. Population 596,586. Total number of deaths from all causes 1,728, including typhus fever 7, typhoid fever 9, smallpox 19, measles 4, diphtheria 9, tuberculosis 157.

By authority of the Secretary of the Treasury:

WALTER WYMAN,

*Surgeon-General,*

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