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FREQUENCY OF HOOKWORM DISEASE OR GROUND ITCH ANEMIA AMONG PUBLIC SCHOOL CHILDREN IN SOUTH-ERN FLORIDA

By CH. WARDELL STILES, Ph. D., Chief, Division of Zoology, Hygienic Laboratory, Public Health and Marine-Hospital Service.

In February, 1910, the opportunity of examining a number of school children in Southern Florida for hookworm disease presented itself. In company with Dr. Ed. E. Lindeman, of the state board of health laboratory, at Tampa, and Dr. John S. Helms, one of Florida's pioneer students of hookworm disease, I visited 8 schools located in 3 counties and saw 1,306 school children. The pupils were classified as "suspects," "doubtfuls," and "not suspects," on the basis of external appearance, supplemented occasionally by more careful physical examination, but in no case by microscopic examination. Experience has shown that in a classification of this kind there are a number of hookworm cases which escape attention and that in connection with the number selected as "suspects" there is a theoretical error, due chiefly to the difficulty of determining (without microscopic examination) whether the person has lost all the parasites, but still shows the effects of former infection.

The results of the examination are shown in the following tables:

PLANT CITY, HILLSBORO COUNTY.

	Number seen.	Number of suspects.	Per cent of suspects.
Graded School: Boys. Girls	129 144	97 80	75. 1 55. 5
Total	273	177	64. 8
High School: Boys. Girls.	26 41	16 8	61. <i>5</i> 19. 5
Total	67	24	35 . 8

. 32

Total.....

35. 3

103 70 173

180

MANATEE, MANATEE COUNTY.

	Number seen.	Number of suspects.	Per cent of suspects.
BoysGirls	36 38	28 23	77. 1 60. 1
Total	74	51	68.
ELLENTON, MANATEE COUN	TY.		
BoysGirls	14 20	13 18	92. 8 90. 6
Total	34	31	91.
PALMETTO, MANATEE COUN	TY.		
Boys Girls	40 50	38 38	95. (76. (
Total	90	76	84. 4
BRAIDENTOWN, MANATEE COU	NTY.		
High and grammar school: Boys. Girls	64 75	55 55	85. 9 73. 3
Total	139	110	79. 1
Boys. Girls	76 64	59 30	77. 6 46. 8
Total	140	89	63. 5
SUMMARY OF 1,366 PUPILS IN 8 SCHOOLS IN 6 TO	owns in	COUNTIE	s.
	596	409	68. 6
Boys	710	322	45. 3

In the large majority of pupils classified as "suspects," the infection was so evident that a microscopic examination would be unnecessary from a practical point of view, although interesting from an academic viewpoint. Admitting that some errors may have been made, the point may be mentioned that a number of the "doubtfuls" would unquestionably have shown infection had they been examined microscopically. The number classified as "suspects" may, as experience shows, be taken as an ultraconservative estimate of the number of these children who had hookworm infection. In fact, according to experience, on basis of 55.9 per cent "suspects," it may be concluded that the infection is probably not less than 80 per cent—which was the estimate made by Doctor Helms before we began to examine the children.

The percentages for Braidentown and Palmetto were reduced by the presence of a number of northern children who had recently gone to these towns, either for the winter or for a longer period. The difference in condition between these northern children and the Flo-

rida children was striking.

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Attention may be invited to the fact that the pupils in these schools represented not only some very poor children from the farms, but also children of very well-to-do families from farms and towns.

These statistics of school children are exceedingly significant, from

various points of view:

First. These children are growing up under a severe physical handicap. If they do not undergo medical treatment, not only will this handicap be appreciable in deaths due directly to hookworm infection, but this infection will so reduce their vitality that they will more readily fall a prey to other diseases, such as tuberculosis, pneumonia, malaria, etc.

Second. Their physical development is of necessity inhibited, and

many of them may reach maturity stunted in their growth.

Third. Children in this condition can not possibly be expected fully to assimilate the education which is being given to them, and as a result the money being spent on education is not giving to these towns full returns. As we picked out the hookworm suspects, the teachers told us that other children of similar appearance were absent. This fact is in harmony with my general experience that hookworm pupils show a high degree of absenteeism from school. The teachers called attention to the fact that several of the pupils, in whom we recognized severe infection, had failed to pass their examinations (so-called "repeaters"); this also is in harmony with my experience elsewhere.

Fourth. Not only these 3 counties but all other parts of the South visited by winter tourists should awaken promptly to the self-evident fact that the danger is present that such tourists will soon avoid those rural portions of the South in which the soil pollution is so extensive as to lead to 55.9 per cent hookworm infection among the

school children.

Hookworm disease in teachers.—At least 5 of the teachers in the schools visited showed clear and pronounced effects of hookworm infection. It is physiologically impossible for these teachers to give their best efforts to the children in the matter of instruction. The teachers in the various schools showed us every possible courtesy and exhibited the greatest amount of interest in the examinations we were conducting.

We had but little opportunity of discussing the hookworm problem with others than teachers and physicians, but the number of privies which we noticed were provided with the "pail system" testified to

the activity of the Florida state board of health.

The vernacular term "hookworm disease."—The scientific worker has occasion to notice that many people who are not ashamed to admit that they have had "ground itch" and that they are "anemic" are extremely indignant at the suggestion that they have "hookworm disease." If they are told that they have "uncinariasis," they may be enthusiastic to undergo treatment; but if told that they have "hookworm disease," they may indignantly refuse to consider treatment.

Absurd as the situation is, a serious practical problem is facing us in some localities, because of the odium which has become attached to "worms" in the popular mind, and as human life is involved, it seems wise to find for uncinariasis some more acceptable vernacular name which can be used in announcing the nature of the infection to the less philosophical of the patients.

As anemia is one of the most common symptoms, and as ground itch is the most common method of infection and a condition which is well known, I would suggest the use of the term "ground itch anemia" as a vernacular term for uncinariasis to be used with persons who are too proud or too sensitive to be treated for "hookworms."

The term "ground itch anemia" seems of more general applicability than do the terms "brickmaker's anemia," "tunnel anemia," "cotton mill anemia," "sand hill malaria," etc., which are occasionally

used for this infection.

HOOKWORM DISEASE IN THREE COTTON MILLS IN NORTH CAROLINA.

By Ch. Wardell Stiles, Ph. D., Chief, Division of Zoology, Hygienic Laboratory, Public Health and Marine-Hospital Service.

During a recent visit to Rockingham, N. C., upon invitation of the mayor, the officers of the 10 cotton mills, and a number of the residents, to deliver a popular lecture on hookworm disease, the occasion was utilized to visit 3 of the cotton mills, in order to estimate the percentage of hookworm infection. Going through the mills I divided the people into "suspects," "doubtfuls," and "not suspects," and classified them by sex and by age (estimated) as under 16 years, from 16 to 20 years, and over 20 years old. The results are shown in the following tables:

	Und	er 16.	16 t	o 2 0.	Ove	er 20.	То	tal.
	Suspects.	Number.	Suspects.	Number.	Suspects.	Number.	Suspects.	Number
Mill A.								
Males	13 6	17 11	4 5	. 4 11	20 6	33 21	37 17	5 4
Total	19	28	9	15	26	54	54	97
Mill B.								
Males Females	12 10	12 15	8 6		14 9	16 17	34 25	36 44
Total	22	27	14	20	23	33	59	80
Mill C.								
MalesFemales	5 5	6 7	5 7	6 9	12 10	19 19	22 22	31 35
Total	10	13	12	15	22	38	44	66
Summary of 3 mills.	1							
Males Females	30 21	35 33	17 18	17 32	46 25	68 57	93 64	120 122
Total	51	68	35	49	71	125	157	242

PERCENTAGES OF SUSPECTS.

	Under 16.	16 to 20.	Over 20.	Total.
MalesFemales	87. 5 63. 6	100. 0 56. 2	67. 6 43. 8	77. 5 52. 4
Total	75. 0	71.4	56. 8	64.8

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The statistics are about what was anticipated, in view of the fact that these mills draw their labor chiefly from the sand areas. In order to avoid misinterpretation it may be well to refer to the fact that the hookworm infection found among mill operatives has its chief origin in the soil pollution which exists on the farms from which these people come. Some soil pollution exists in mill villages and hence some hookworm infection originates there, but this is slight when compared with the soil pollution and hookworm dissemination on the farms.

The percentages found in Rockingham are of significance from

various points of view.

First. Sixty-four and eight-tenths per cent of these people are living under a more or less severe medical handicap. This is most severe for (75 per cent) persons under 16, next for (71.4 per cent) persons 16 to 20, least severe for (56.8 per cent) persons over 20 years old.

Second. This handicap involves not only the infected persons, but the next generation also; for 43.8 per cent to 56.2 per cent of these females of child-bearing and babe-nursing age are suffering from a disease which inhibits proper nourishment for their babes, both born and unborn.

Third. This condition involves an economic loss to the mill hands (who are working on piecework), for they are unable to put forward

their best potential efforts.

Fourth. It also involves an economic loss to the mills, for a greater amount of "waste" will occur because of the decreased efficiency of the mill hands; a greater amount of absenteeism will occur, and this, combined with decreased efficiency, makes it necessary to have an undue amount of capital tied up in the extra number of mill houses thus required in order to have on hand a sufficient number of employees to run the machinery.

The sanitary conditions of the mill villages in question are about the average as found in the southern mill settlements, namely, far from perfect, but infinitely superior to those of the average tenant

farms in the same State.

THE "READER" AS A POSSIBLE PUBLIC HEALTH AGENCY IN CIGAR FACTORIES.

By Ch. Wardell Stiles, Ph. D., Chief, Division of Zoology, Hygienic Laboratory, Public Health, and Marine-Hospital Service.

In a recent visit to Tampa the opportunity was utilized to visit several cigar factories and to observe the sanitary conditions under

which some of the cigar makers were living.

As the people in question belonged to nationalities (Cuban, Spanish, Italian) with whom I am not very familiar, no trustworthy conclusions (in the absence of microscopic examination) could be drawn in regard to the percentage of hookworm infection among them, but from an inspection of the surroundings under which they are living it is clear that the privy facilities of those not provided with a sewer are favorable to a spread of this disease. The importance of this fact is the more evident when it is recalled that Italians harbor the Old World hookworm (Agchylostoma duodenale). Accordingly, unless the sanitary conditions on the outskirts of Tampa are improved, the

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possibility is not excluded that Florida may have two forms of hook-

worm disease (instead of one) to eradicate.

An exceedingly interesting feature of the cigar factories is the "reader." The cigar makers are very quiet in the workrooms, and from a favorable position a man termed the "reader" reads aloud to them from the newspapers or from some novel while they are at work.

To a person on the outlook for public-health agencies, the thought immediately occurs that in this "reader" may be found a person who can be of considerable service for good. If he were supplied with printed public-health material, written in popular style, he could, by reading this to the cigar makers, disseminate a great deal of useful information to a large number of people who, themselves, do comparatively little reading.

While the homes of some of these factory hands are excellent, the homes and surroundings of some others could be greatly improved.

One point which might be emphasized in pamphlets of the kind suggested, is the desirability of using some method other than spittle in fastening the bands on the cigars, and a suppression of the habit of biting and mouthing the end of the cigar. Despite the assurances that these filthy habits are no longer permitted, I saw them in the factories which I visited.

This custom of having a "reader," it is understood, is of Cuban or Spanish origin. It is an excellent one, which might well be introduced into any factory using hand labor and engaged in purely mechanical work

UNITED STATES.

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

PLAGUE-PREVENTION WORK.

Infected Ground Squirrels.

An infected ground squirrel was found March 4, 1910, in Oakland township.

Passed Assistant Surgeon McCoy 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 March 5, 1910. Premises inspected, 1,340. Houses destroyed, 8. Buildings condemned, 6. Nuisances abated, 302. Poisons placed, 7,810. Rats trapped, 2,045. Rats found dead, 24. Rats identified, 2,069, as follows: Mus norvegicus, 1,502; Mus rattus, 140; Mus musculus, 338; Mus alexandrinus, 89. Rats examined bacteriologically, 1,731. No plague-infected rats found.

BERKELEY, CAL.

There is no record of rodent plague at Berkeley. The last case of human plague sickened August 28, 1907.

Week ended February 26, 1910. One rat was trapped and exam-

ined bacteriologically. 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 March 5, 1910. Rats found dead, 26. Rats trapped 500. Gophers trapped, 1. Rats identified, 526, as follows: Mus norvegicus, 458; Mus rattus, 3; Mus musculus, 65. Examined bacteriologically, 452 rats and 1 gopher. No plague infection 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 March 4, 1910. To the present time 65 ground squirrels and 1 wood rat have been found infected.

Week ended February 26. Ranches inspected, 5. Ground squirrels shot, 17. Acres covered with poison, 65. Ground squirrels exam-

ined bacteriologically, 17. No plague-infected squirrels found.

Week ended March 5. Ranches inspected, 7. Ground squirrels shot, 117. Acres covered with poison, 121. Ground squirrels examined bacteriologically, 117. One plague-infected squirrel found.

The plague-infected squirrel was found March 4, in Oakland town-

ship.

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FRESNO COUNTY, CAL.

There is no record of human or rodent plague in Fresno County. Week ended March 5. Ranches inspected, 32. Ground squirrels Ground squirrels examined bacteriologically, 599. No plague-infected squirrels found.

MADERA COUNTY, CAL.

There is no record of human or rodent plague in Madera County. Week ended March 5. Ranches inspected, 2. Ground squirrels shot, 100. Ground squirrels examined bacteriologically, 100. No plague-infected squirrels found.

MERCED COUNTY, CAL.

There is no record of human or rodent plague in Merced County. Week ended March 5. Ranches inspected, 6. Ground squirrels shot, 284. Rabbits shot, 23. Examined bateriologically, 281 squirrels and 21 rabbits. No plague infection found.

MONTEREY COUNTY, CAL.

There is no record of human or rodent plague in Monterey County. Week ended March 5. Ranches inspected, 31. Ground squirrels shot, 445; found dead, 2. Ground squirrels examined bacteriologically, 442. 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 March 5. Ranches inspected, 21. Ground squirrels shot, 194. Ground squirrels examined bacteriologically, 194. No plague-infected squirrels found.

SANTA BARBARA COUNTY, CAL.

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

County.

Week ended March 5. Ranches inspected, 32. Ground squirrels shot, 261. Ground squirrels examined bacteriologically, 258. 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 March 5. Ranches inspected, 12. Ground squirrels shot, 160. Rats trapped, 4. Mice trapped, 4. Examined bacteriologically, 160 ground squirrels, 4 rats, and 4 mice. No plague infection found.

TULARE COUNTY, CAL.

There is no record of human or rodent plague in Tulare County. Week ended March 5. Ranches inspected, 116. Ground squirrels shot, 511; found dead, 2. Rabbits shot, 2. Weasels shot, 2. Examined bacteriologically, 512 squirrels, 2 rabbits, and 2 weasels. No plague infection found.

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VENTURA COUNTY, CAL.

There is no record of human or rodent plague in Ventura County. Week ended March 5. Ranches inspected, 8. Ground squirrels shot, 134. Ground squirrels examined bacteriologically, 132. No plague-infected squirrels found.

SEATTLE, WASH.

Assistant Surgeon Chapin reports, March 4, through Passed As-

sistant Surgeon Glover:

During the month of February, 1910, 3,637 rats were received at the laboratory and 2,928 were necropsied. Of the necropsied rats 1,163 were females, of which 406 were pregnant.

A rat picked up on February 8, 1910, by a city trapper was verified

and reported as plague infected on February 19.

This rat was found in the back yard of a building, the ground floor of which was occupied by two restaurants, a fruit store, saloon, and drug store. The yard also adjoins a building on the other street occupied by a restaurant. These buildings are of wooden construction resting on piles. The yard was occupied by a wooden platform and woodpile, etc., and the ground was burrowed by rats. The platform and woodpile were moved and the ground covered with gravel by order of the municipal department of health and the floors of the buildings were also ordered concreted. Special attention has been given to the sanitary conditions of that and surrounding blocks.

Since the finding of this infected rat an area of 9 blocks has been trapped and the territory for 2 blocks farther on each side has been poisoned. From the infected premises there have been received 10 rats, from the block 19 rats, and from the district 126 rats, none of

which have shown any evidence of plague infection.

PHYSICAL CONDITION OF NATIVES OF UNALASKA, ALASKA.

Surgeon Stimpson, on the revenue cutter *Manning*, reports, October 12, 1909:

There are 360 natives at Unalaska, 93 on St. George Island, and 198 on St. Paul Island. The physicians on the island state that fully 60 per cent of the natives under their care are suffering from tuberculosis and at least that number at Unalaska are afflicted with the disease. Tuberculosis exists in all forms, and there are few children who do not show swollen glands or some other evidence of the disease. Many of them improved during the summer of 1909 under treatment. They have gained in weight, their skins are clearer, and their sores have healed. An effort is being made to instruct the natives in the precautions to be taken to avoid contracting tuberculosis, such as forbidding indiscriminate spitting, requiring the burning of sputum, and sleeping with the windows open. There is no wood on the islands and coal is expensive, so that there is a tendency to keep the houses closed to save fuel.

The natives suffer from decayed teeth. If a dentist could visit the islands in the summer much pain could be prevented and many teeth

 \mathbf{saved} .

There is a shortage of water at St. Paul village. The supply is now obtained by hauling water in wagons and wheelbarrows from wells situated at some distance from the village. The natives could keep their houses cleaner if they had an abundance of water and the danger of the spread of infection would be greatly lessened.

SMALLPOX IN THE UNITED STATES.

Reports Received During Week Ended March 25, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Mobile	Feb. 27-Mar. 12	1	 	
Montgomery	Mar. 6-12	26		
Arkansas: Little Rock	Mar. 6-12	10	1	1
California:		10		1
San Francisco	Jan. 27-Mar. 5	1		
Florida:	Man C 10			
Duval County Volusia County	Mar. 6-12 Mar. 6-12	3		
Illinois:		•		
Cass County	Feb. 1-28	1		
Cook County— Chicago	Feb. 1-28	1		
Dupage County	Feb. 1-28	·		Present.
Edwards County	Troh 1.90	10		
Effingham County	Feb. 1-28	1		
Fayette County	Feb. 1-28 Feb. 1-28 Feb. 1-28 Feb. 1-28	$\frac{1}{2}$		
Gallatin County Iroquois County	Feb. 1-28	ĩ		
Jackson County	reb. 1-28	1		_
Jasper County	Feb. 1-28			Do.
Livingston County Madison County	Feb. 1-28 Feb. 1-28	$\frac{3}{1}$		
Marion County	Fah 1_28	2		
Marion County	Feb. 1-28	3		
Pike County	Feb. 1-28 Feb. 1-28	2		
Shelby County Williamson County	Feb. 1-28	1 2		
ouisiana:	rep. 1-20	-		
New Orleans	Mar. 6-12	10		
fississippi: Guliport	W 2.0			
fissouri:	Mar. 3-9	1		
St. Louis	Mar. 6-12	1		
fontana:	1			
Beaverhead County	Feb. 1-28	3	• • • • • • • • • • • • • • • • • • • •	
Broadwater County Custer County	Feb. 1-28 Feb. 1-28	$\frac{2}{1}$		
Deerlodge County	Feb. 1-28	il		
Gallatin County	Feb. 1-28	1		
Lewis and Clark County Madison County Meagher County Missoula County Powell County	Feb. 1-28	25		
Meagher County	Feb. 1-28	2		
Missoula County	Feb. 1-28.	3		
		1		
Ravalli County	Feb. 1-28	2		
Sanders County	Feb. 1–28 Feb. 1–28	55		
lebraska:	100.1 20	•		
	Feb. 1-28	1		
ew Hampshire, general	Feb. 1-28	3		
orth Carolina:	Feb. 1-28	24		
Beaufort County	Feb. 1-28	4		
Burke County	Feb. 1-28		2	A few.
Caldwell County	Feb. 1-28		2	
Caldwell County Carteret County	Feb. 1–28 Feb. 1–28	22		
Catawha County	Feh 1-28	27		
Chowan County	Feb. 1–28 Feb. 1–28 Feb. 1–28	3		
Cleveland County Craven County	Feb. 1-28	4		
Currituck County	Feb. 1-28	i		
Davidson County	Feb. 1-28	20		
Davie County	Feb. 1-28 Feb. 1-28	11		
Duplin County	Feb. 1–28 Feb. 1–28	20		Several.
	Feb. 1-28	· · · · i		Develal.
Forsyth County	Feb. 1-28	12		
Franklin County	Feb. 1-28 Feb. 1-28	150 [.		
Gaston CountyGreene County	Feb. 1–28 Feb. 1–28	22 10		
Guilford County	Feb 1_98	41		
Iredell County	Feb. 1-28	7i		
				_
Johnston County	Feb. 1-28			Do.
Iredell County Johnston County Lee County Lenoir County Lincoln County	Feb. 1-28	3 6		До,

${\bf SMALLPOX} \ \ {\bf IN} \ \ {\bf THE} \ \ {\bf UNITED} \ \ {\bf STATES-Continued}.$

Reports Received During Week Ended March 25, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
McDowell County	Feb. 1-28	8	ł	
Mecklenburg County		29		
Mitchell County		1		Many.
Nash County		35		Mulij.
New Hanover County		l ĩ		
Onslow County	Feb. 1-28	2		
Orange County		2		
Pamlico County	Feb. 1-28	40		Or more.
Pitt County	Feb. 1-28	8		Of more.
Richmond County	Feb. 1-28	l i		
Robeson County	Feb. 1-28	12		
Rockingham County	Feb. 1-28	24		
Rowan County	Feb. 1–28	14		
	Feb. 1-28	23		
Rutherford County	Feb. 1-28	23	[
Sampson County	Feb. 1-28	20		
Stokes County	Feb. 1-28			
Surry County	Feb. 1-28	7		
Union County	Feb. 1-28	4		
Wake County	Feb. 1-28	28		
Washington County	Feb. 1-28	2		
Wayne County	Feb. 1-28	20		
Wilkes County	Feb. 1-28	30		
Wilson County	Feb. 1–28	25		
Yadkin County		4		
Yancey County	Feb. 1–28	21		
Pennsylvania, general	Feb. 1-28	41		
Tennessee:		ĺ		
Chattanooga	Mar. 6-12	6		
Knoxville	Jan. 27-Mar. 5	5		
Memphis	Mar. 6-12	12		
Texas:			1	
Taylor	Feb. 27-Mar. 5	1		
Willis Point	Feb. 1-28	3	1	
Virginia:			_	
Lynchburg	Mar. 6-12	3		

Smallpox in Norfolk, Va., and Vicinity During the Year 1909.

Surgeon Wertenbaker reports, March 9:

	Cases.	Deaths.
January. February	6 7	
March. April. May	2 26 24	6 10
June July November	16 1 2	1
Total	84	17

Distributed as follows:

	Cases.	Deaths.
Norfolk city Norfolk County Portsmouth. United States naval hospital. Public Health and Marine-Hospital Service	57 16 5 3 3	8 5 3 1
Total	84	17

The cases developing in January, February, and March, 1909, were all of the usual mild type of smallpox that has prevailed in the United States during the past 12 years, and during those months there were no deaths. In the latter part of March a child came from Frederick, Md., to St. Mary's Orphan Asylum school and on April 12, 1909, developed a case of smallpox from which it recovered. This case was nursed by a sister of the orphan asylum staff who con-The sister died from the disease tracted the disease from this case. at the Craney Island Hospital. About the early part of April, 1909, 3 cases of smallpox were received at the United States naval hospital. Portsmouth, the patients being members of the Atlantic Fleet that had recently returned to the United States. The type of the disease from which these patients suffered was much more severe than the usual mild type that had prevailed in this section for some years. It is also noted that in April and May the type of the disease in many of the cases was more severe than usual. It will be noted that there were 26 cases and 6 deaths in April and 24 cases and 10 deaths in May, while in June there were 16 cases and only 1 death. In July, 1 case, no deaths. There were no other cases until November, when there were 2.

Reports Received from January 1 to March 18, 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.]

	1	1		1
Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Birmingham	Jan. 9-Feb. 12	19		
Mobile	Jan. 16-Mar. 5			
Montgomery	Dec. 19-Mar. 5	374		
Total for State		400		
Arkansas:				
Argenta	Jan. 22-Feb. 12	11		
Little Rock	Jan. 1-Mar. 10	82	;	
Lonoke	Jan. 6-20	2		
Total for State		95		
California:				
Berkelev	Dec. 26-Jan. 1	1		
Los Angeles	Jan. 12-Feb. 12	4		
Oakland	Dec. 26-Jan. 1	1		
Sacramento County	Jan. 1-31		1	
Sacramento	Dec. 12-Jan. 31	50		
San Francisco	Dec. 19-Feb. 26	17		
Total for State		73	1	
Colorado:				
Bent County	Feb. 1-28	10		
Boulder County—				
Boulder	Dec. 19-25			
Chaffee County	Jan. 1-31	6		
Conejos County	Jan. 1-Feb. 28	29		
Denver County	Jan. 1-Feb. 28	18	•••••	
Fremont County	Feb. 1-28	14	• • • • • • • • • • • • • • • • • • •	
Garfield County	Jan. 1–31 Jan. 1–Feb. 28	1	• • • • • • • • • • • • • • • • • • • •	
Jefferson County	Feb. 1-28	12	• • • • • • • • • • • • • • • • • • • •	
La Plata Gounty	Feb. 1–28	4	• • • • • • • • • •	
Larimer County	Jan. 1–31	4		
Las Animas County	Jan. 1-Feb. 28			
Logan County	Jan. 1-Feb. 28			
Mesa County	Jan. 1-31		• • • • • • • • • •	
Fruita district				
Montrose County				
Morgan County	Jan. 1-Feb. 28	16		
Otero County	Jan. 1–31	1	• • • • • • • • • • • • • • • • • • • •	

SMALLPOX IN THE UNITED STATES-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Colorado—Continued.	:			
Ouray County	Jan. 1-Feb. 28	13		İ
Pitkin County	Feb. 1-28	5		
Pueblo County	Feb. 1–28	2		
Rio Grande County	Feb. 1-28			
San Miguel County	: Jan 1–31	1		
Summit County Weld County	Jan. 1-Feb. 28	21	1	
	!			
Total for State		218		
District of Columbia	Dec 10 May 5	21		
District of Columbia	Dec. 19-Mai. 5	21		
Total for District		21	1	
Florida:				
Alachua County	Jan. 1-Feb. 26	3		
Duvel County	Ten 1-21	1		
Columbia County Duval County Jacksonville Escambia County	Jan. 30-Feb. 5	i		
Escambia County	Feb. 6-Mar. 5	31		
Pensacola	Feb. 20-26	1		
Gadsden County	Jan. 1–31	2		
Hillsboro County	Jan. 1-31	1		
Pensacola. Gadsden County Hillsboro County Leon County Liberty County Walton County	Ten 1_31	i		
Walton County	Jan. 1-31	3		
í				
Total for State		47		
3t				
Georgia: Macon	Jan. 1-31	51		
Macon	Jan. 1-01			
Total for State		51		
llinois:	T 1 01	6		
Alexander County Coles County	Jan. 1-31 Jan. 1-31	4		
Cook County—	Jan. 1-01	-		
Chicago	Dec. 19-25	2		
Edwards County	Jan. 1-31 Jan. 1-31 Jan. 1-31 Jan. 1-31 Jan. 1-31	19		
Effingham County	Jan. 1-31	81		
Fayette County Franklin County	Jan. 1-31	1 6		
Jackson County	Jan 1-31	2		
Kane County	Jan. 1–31	ī		
Macon County	Jan. 1-31	1		
McLean County	Jan. 1-31	1		
Montgomery County	Jan. 1-31	7 2		
Pulaski County	Jan. 1-31	4		Present.
Sangamon County Shelby County	Jan. 1-31			11000000
Wabash County	Jan. 1-31			
Wayne County Williamson County	Jan. 1-31			
Williamson County	Jan. 1-31	21		
Total for State	Í	172		
Total for State		1.2		
ndiana:			1	
Adams County	Oct. 1-31	4	·····i	
Allen County	Oct. 1-Jan. 31 Nov. 1-Jan. 21	180 2	- 1	
Carroll 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 Oct. 1-Nov. 30	20		
Delaware County	Jan. 1-31	ĩ		
	Jan. 1-31	4		
Fountain County		35		
Fulton County	Oct. 1-Jan. 31			
Fulton County	Oct. 1-Jan. 31 Oct. 1-31	6		
Fulton County	Oct. 1-Jan. 31	4		
Fulton County	Oct. 1-Jan. 31 Oct. 1-31 Jan. 1-31 Jan. 1-31	4 2		
Fulton County. Grant County. Greene County. Hamilton County. Henry County. Huntington County. Jefferson County.	Oct. 1-Jan. 31 Oct. 1-31 Jan. 1-31 Jan. 1-31 Jan. 1-31	4 2 1 1		
Fulton County. Grant County. Greene County. Hamilton County. Henry County. Huntington County. Jefferson County.	Oct. 1-Jan. 31. Oct. 1-31. Jan. 1-31. Jan. 1-31. Jan. 1-31. Jan. 1-31. Jan. 1-31. Jan. 1-30.	4 2 1 1 6		
Fulton County. Grant County. Greene County. Hamilton County Henry County Huntington County. Jefferson County. Jennings County. Knox County.	Oct. 1-Jan. 31 Oct. 1-31 Jan. 1-31 Jan. 1-31 Jan. 1-31 Nov. 1-30	4 2 1 1		

SMALLPOX IN THE UNITED STATES—Continued. Reports Received from January 1 to March 18, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
ndiana—Continued.				
Marion County	Dec. 1-Jan. 31	3	1	
Marshall County	. Oct. 1–Jan. 31	80		•
Martin County	. Jan. 1-31	1		1
Miami County	. Jan. 1–31	3	[.
Montgomery County	Jan. 1-31	2		
Noble County	Nov. 1-Jan. 31 Oct. 1-31	2		
Randolph County	. Oct. 1-31	1		1
St. Joseph County	Oct. 1-Jan. 31	21		
Shelby County	Dec. 1–Jan. 31 Nov. 1–30 Dec. 1–Jan. 31	33		
Steuben County Tippecanoe County	Dog 1 Jan 21	3 3		
Vanderburg County	Oct. 1-31	8		
Warren County	Nov 1-30	ı		
Washington County	Nov. 1-30 Jan. 1-31 Nov. 1-Jan. 31	i		
Wayne County	Nov. 1-Jan. 31	î		
				l .
Total for State		523	1	
wa, general	Jan. 1-31	19		1
Buchanan County	Fab 1_28	Q		
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 Jan. 1–31	1		
Dallas County Delaware County	Jan. 1-31	1		
Delaware County	Feb. 1–28	4		
Dubuque County	Jan. 1-Feb. 28	40		
Floyd County	Feb. 1–28. Feb. 1–Feb. 28. Jan. 1–Feb. 28.	4		
Grundy County	Ian 1-Feb. 28	3		
Linn County	19n -31	3 7		
Cedar Rapids	Dec. 1-31	7		
Madison County	Jan. 1-31	1		
Marion County	Jan. 1-31	2		
Marshall County	lian l_Keh 98 l	5		
Mitchell County	Feb. 1-28. Jan. 1-Feb. 28. Jan. 1-Feb. 28.	1		
Monroe County	Jan. 1-Feb. 28	3		
Polk County	Jan. 1-Feb. 28	41		
Pottawattamie County	Jan. 1-31	1		
Poweshiek County	Jan. 1-31 Feb. 1-28	6 2		
Scott County	Jan. 1-Feb. 28	17		
Scott County Sioux County Story County	Feb. 1-28	17		
Winnebago County		5		
Woodbury County	Feb. 1-28	ĭ		
Woodbury County Sioux City	Dec. 1-31	2		
Wright County	Feb. 1-28 Dec. 1-31 Feb. 1-28	1		
Total for State		240		
ansas:				
Allen County	Jan. 1-31	1	I	
Barton County	Jan. 1-31	î		
Bourbon County	Jan. 1-31	3		
Bourbon County	Jan. 1-31	8		
Clay CountyCloud County	Nov. 1-30	1		
Cloud County	Nov. 1-30	1		
Cowley County Crawford County	Nov. 1-30	3		
Crawiord County	Dec. 1-Jan. 31	4		
Pittsburg	Jan. 1–31 Nov. 1–Jan. 31	1 21		
Decatur County Dickinson County	Top 1_21	4		
Douglas County	Jan. 1–31 Dec. 1–31	1		
Ellsworth County	Ian 1_31	14		
Finney County	Jan. 1–31 Jan. 1–31 Dec. 1–31	i		
Finney County	Jan. 1-31	6		
Gove County	Dec. 1-31	3		
Graham County	Nov. 1-Jan. 31	40		
Gray County	Jan. 1-31	18		
Hamilton County	Jan. 1–31 Dec. 1–31	2		
Jackson County	Dec. 1-31	5 44		
Tamell County				
Jewell County	Nov. 1-Jan. 31	33		
Jewell County Kearny County	Jan. 1-31	1 .		
Jewell County	Nov. 1–Jan. 31 Jan. 1–31 Jan. 1–31 Jan. 1–31	1 2 5		

SMALLPOX IN THE UNITED STATES—Continued.

Application	Leavenworth County	Place.	Date.	Cases.	Deaths.	Remarks.
Leavenworth County	Leavenworth County	ansas—Continued.				
Lyon County	Lyon County	Leavenworth County	Dec. 1-31	1		d
Merphal County Dec. 1-3a. 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	McPherson County Dec. 1-3a. 3	Logan County	Jan. 1-31	2		
Montgomery County	Montgomery County Nov. 1-Jan. 31 109 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108	Lyon County	Dec. 1-31	1		'
Montgomery County	Montgomery County Nov. 1-Jan. 31 109 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108	Morehall County	Dec. 1-31	20		}
Montgomery County	Montgomery County Nov. 1-Jan. 31 109 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108 108	Miami County	Jan 1-31	20		
Nemeha County	Nemeha County	Montgomery County	Nov. 1-Jan. 31	109		1
Nemeha County	Nemeha County	Coffevville	Jan. 1-31	11		
Ness County	Nees County	Nemeha County	Jan. 1±31	1		
Norto County Nov. 1-Jan. 31 38 Osage County Jan. 1-31 11 Phillips County Jan. 1-31 31 7 Phillips County Jan. 1-31 3 3 Osage County Jan. 1-31 3 3 Osage County Nov. 1-Dec. 31 6 Osage County Nov. 1-Jan. 31 123 Ds. 123 D	Norton County Nov. 1-Jan. 31 38 Osage County Jan. 1-31 11 Phillips County Jan. 1-31 3 3 Pottawatomic County Nov. 1-Dec. 31 6 Early County Jan. 1-31 5 5 Rawlins County Nov. 1-Jan. 31 123 Rice County Nov. 1-Jan. 31 123 Rice County Jan. 1-31 1 Rush County Jan. 1-31 1 Rush County Jan. 1-31 1 Rush County Jan. 1-31 1 Saline County Jan. 1-31 1 Saline County Jan. 1-31 1 Saline County Jan. 1-31 1 Sedgwick County Dec. 1-31 1 Sedgwick County Dec. 1-31 1 Sedgwick County Dec. 1-31 1 Dec. 1-31 3 Dec. 1-31 3 Dec. 1-31 Dec. 1-31	Neosha County	Jan. 1-31	1		
Norton County	Norton County	Ness County	Dec. 1-Jan. 31	8		1
Phillips County	Phillips County	Norton County	Nov. 1-Jan. 31	38		j
Pottawatomic County	Pottawatomie County	Osage County	Jan. 1-31	11		
Rawlins County	Rawlins County	Phillips County	Jan. 1-31	3		
Reno County	Reno County	Pottawatomie County	Nov. 1-Dec. 31	Ď		·
Rice County Jan. 1-31	Rice County Jan. 1-31 1	Rawlins County	Nov. 1 Top 21	192		
Riley County	Riley County	Reno County	Ion 1 21			
Saline County	Sainte County Dec. 1-31 1 1 1 1 1 1 1 1 1	Riley County	Tan 1_31	17		l .
Saline County	Sainte County Dec. 1-31 1 1 1 1 1 1 1 1 1	Rush County	Ian 1-31			· ·
Saline County	Sainte County Dec. 1-31 1 1 1 1 1 1 1 1 1	Russell County	Jan. 1-31	ĭ	1	
Soott County	Scott County	Saline County	Dec. 1-31	î	1	1
Sedgwick County	Sedgwick County	Scott County	Nov 1-Dec 31			İ
Sheridan County	Sheridan County	Sedgwick County	Dec. 1-31		1	1
Sheridan County	Sheridan County	Wichita	Jan. 1-31		l	
Sheridan County	Sheridan County	Shawnee County	Dec. 1-31			
Sheridan County	Sheridan County	Topeka	140A . 1-18TT . 21			•
Smith County Jan. 1-31 2 2 2 2 2 2 2 2 2	Smith County	Sheridan County	Nov. 1-Jan. 31	8		Į.
Wabaunsee County Nov. 1-30	Wabaunsee County Nov. 1-3a. 31 3 Wilson County Nov. 1-3a. 31 25 Wyandotte County Dec. 1-Jan. 31 91 Kansas City Jan. 1-31 39 Total for State 780 1 ttucky: Hartford Dec. 12-18 2 Lexington Dec. 12-Jan. 29 4 Paducah Jan. 5-11 1 Total for State 7 1 isiana: Caddo Parish 5 2 Iberia Parish Feb. 1-28 5 2 Iberia Parish Feb. 1-28 6 6 Orleans Parish Feb. 1-28 6 6 New Orleans Dec. 26-Mar. 5 66 6 Morehouse Parish Feb. 1-28 2 5 Tensas Parish Feb. 1-28 3 6 Tensas Parish Feb. 1-28 13 1 Total for State 99 2 vjand: Baltimore Dec. 26-Jan. 1 1 1 Dorchester County Jan. 8-31 1 1	Smith County	Jan. 1-31			
Wabaunsee County Nov. 1-3an. 31 3 Wilson County Nov. 1-3an. 31 3 Wyandotte County Dec. 1-Jan. 31 91 Kansas City Jan. 1-31 39 Total for State 780 1 Intucky: Hartford Dec. 12-18 2 Lexington Dec. 12-Jan. 29 4 Paducah Jan. 5-11 1 Total for State 7 1 Usisiana: Caddo Parish 7 Shreveport Jan. 23-Feb. 28 5 2 Iberia Parish Feb. 1-28 1 1 Natchitoches Parish Feb. 1-28 6 6 Orleans Parish Feb. 1-28 6 6 New Orleans Dec. 26-Mar. 5 66 6 Morehouse Parish Feb. 1-28 2 2 St. John Parish Feb. 1-28 2 2 Total for State 99 2 ryland: Dec. 26-Jan. 1 1 1 Baltimore Dec. 26-Jan. 1 1 1 Dorchester County	Wabaunsee County Nov. 1-3a. 31 3 Wilson County Nov. 1-3a. 31 25 Wyandotte County Dec. 1-Jan. 31 91 Kansas City Jan. 1-31 39 Total for State 780 1 ttucky: Hartford Dec. 12-18 2 Lexington Dec. 12-Jan. 29 4 Paducah Jan. 5-11 1 Total for State 7 1 isiana: Caddo Parish 5 2 Iberia Parish Feb. 1-28 5 2 Iberia Parish Feb. 1-28 6 6 Orleans Parish Feb. 1-28 6 6 New Orleans Dec. 26-Mar. 5 66 6 Morehouse Parish Feb. 1-28 2 5 Tensas Parish Feb. 1-28 3 6 Tensas Parish Feb. 1-28 13 1 Total for State 99 2 vjand: Baltimore Dec. 26-Jan. 1 1 1 Dorchester County Jan. 8-31 1 1	Sumner County	Nov. 1-Jan. 31			
Wilson County Nov. 1-Jan. 31 3 Woodson County Jan. 1-31 25 Wyandotte County Dec. 1-Jan. 31 91 Kansas City Jan. 1-31 39 Total for State 780 1 Intucky: Hartford Dec. 12-18 2 Lexington Dec. 12-Jan. 29 4 Paducah Jan. 5-11 1 Total for State 7 uisiana: Caddo Parish— Shreveport Jan. 23-Feb. 28 5 2 Iberia Parish Feb. 1-28 1 Natchitoches Parish Feb. 1-28 6 New Orleans Dec. 26-Mar. 5 66 6 New Orleans Dec. 26-Mar. 5 66 6 Tensas Parish Feb. 1-28 2 St. John Parish Feb. 1-28 6 Total for State 99 2	Wilson County Nov. 1-Jan. 31 3 Woodson County Jan. 1-31 25 Wyandotte County Dec. 1-Jan. 31 91 Kansas City Jan. 1-31 39 Total for State 780 1 tucky: Hartford Dec. 12-18 2 Lexington Dec. 12-18 2 Lexington Dec. 12-18 2 Paducah Jan. 5-11 1 Total for State 7 isiana: Caddo Parish 5 Caddo Parish Feb. 1-28 5 Shreveport Jan. 23-Feb. 28 5 2 Iberia Parish Feb. 1-28 6 New Orleans Dec. 26-Mar. 5 66 6 New Orleans Dec. 26-Mar. 5 66 6 Norenouse Parish Feb. 1-28 2 2 St. John Parish Feb. 1-28 2 2 Total for State 99 2 Igan. 1-Feb. 28 6 1 1 Total for State 6 6 1 Baltimore	Thomas County	Jan. 1-31			
Woodson County Jan. 1-31 25 Wyandotte County Dec. 1-Jan. 31 91 Kansas City Jan. 1-31 39 Total for State 780 1 intucky: Dec. 12-18 2 Lexington Dec. 12-Jan. 29 4 Paducah Jan. 5-11 1 Total for State 7 uisiana: Caddo Parish— 5 2 Shreveport Jan. 23-Feb. 28 5 2 Iberia Parish Feb. 1-28 5 2 Iberia Parish Feb. 1-28 6 6 Orleany Parish Feb. 1-28 6 6 Morehouse Parish Feb. 1-28 2 8 St. John Parish Feb. 1-28 2 8 Tensas Parish Feb. 1-28 2 9 Tyland: Baltimore 99 2 ryland: Baltimore Dec. 26-Jan. 1 1 1 Dorchester County Jan. 8-31 1 1	Woodson County Jan. 1-31 25 Wyandotte County Dec. 1-Jan. 31 91 Total for State 780 1 atucky: Hartford Dec. 12-18 2 Lexington Dec. 12-Jan. 29 4 Paducah Jan. 5-11 1 Total for State 7 1 Shreveport Jan. 23-Feb. 28 5 2 Iberia Parish Feb. 1-28 5 2 Iberia Parish Feb. 1-28 6 6 Orleans Parish Feb. 1-28 6 6 New Orleans Dec. 26-Mar. 5 66 6 Morehouse Parish Feb. 1-28 2 5 Tensas Parish Feb. 1-28 3 6 Total for State 99 2 yland: Baltimore 1 1 Baltimore Dec. 3-31 4 Dorchester County Jan. 8-31 1 Total for State 6 6 sachusetts: 8 6 Bristof County Jan. 1-8 6	Wabaunsee County	Nov. 1-30			
Wyandotte County Dec. 1-Jan. 31. 91 Kansas City Jan. 1-31 39 Total for State 780 1 ntucky: Dec. 12-18 2 Hartford Dec. 12-Jan. 29. 4 Paducah Jan. 5-11 1 Paducah Jan. 5-11 1 Total for State 7 misiana: 7 Caddo Parish— Shreveport Jan. 23-Feb. 28 5 2 Iberia Parish Feb. 1-28 1 1 New Orleans 6 6 New Orleans Dec. 26-Mar. 5 66 6 6 6 6 Morehouse Parish Feb. 1-28 2 2 5 2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Wyandotte County Dec. 1-Jan. 31. 91 Kansas City Jan. 1-31. 39 Total for State 780 1 atucky: Hartford. Dec. 12-18. 2 Lexington Dec. 12-Jan. 29. 4 Paducah Jan. 5-11. 1 Total for State 7 isiana: Caddo Parish— Shreveport. Jan. 23-Feb. 28. 5 Shreveport. Jan. 23-Feb. 28. 5 Shreveport. Jan. 23-Feb. 28. 6 Orleans Parish Feb. 1-28. 6 New Orleans Dec. 26-Mar. 5. 66 Morehouse Parish Feb. 1-28. 2 St. John Parish Feb. 1-28. 2 St. John Parish Feb. 1-28. 13 Total for State 99 2 yland: Baltimore. Dec. 26-Jan. 1. 1 Dorchester County Jan. 8-31. 1 Total for State 6 6 sachusetts: Bristof County Feb. 1-28. 6 Bristof County Jan. 1-7eb. 28.	Wilson County	Nov. 1-Jan. 31	3	-	
Total for State	Total for State	Woodson County	Jan. 1-31	25		
Total for State	Total for State	W yandotte County	Dec. 1-Jan. 31			
Dec. 12-18	tucky: Hartford. Dec. 12-18. 2 Lexington. Dec. 12-Jan. 29. 4 Paducah. Jan. 5-11. 1 Total for State. 7 Shreveport. Jan. 23-Feb. 28. 5 Shreveport. Feb. 1-28. 1 Natchitoches Parish Feb. 1-28. 6 Orleans Parish— New Orleans Dec. 26-Mar. 5. 66 Morehouse Parish Feb. 1-28. 2 St. John Parish Feb. 1-28. 6 Tensas Parish Feb. 1-28. 13 Total for State 99 2 yland: Baltimore. Dec. 26-Jan. 1. 1 Dorchester County Jan. 8-31. 1 Total for State 6 Sacchusetts: Bristof County Jan. 1-Feb. 28. 6 Middlesex County Jan. 1-31. 1 Middlesex County Jan. 1-31. 4 Plymouth County Feb. 1-28. 4 Suffolk County Jan. 1-Feb. 28. 3 Worcester County Jan. 1-Feb. 28. 3 Worcester County Jan. 1-Feb. 28. 3 Worcester County Jan. 1-Feb. 28. 3 Worcester County Jan. 1-Feb. 28. 3	Kansas City	Jan. 1-31	39		
Dec. 12-18	tucky: Hartford. Dec. 12-18. 2 Lexington. Dec. 12-Jan. 29. 4 Paducah. Jan. 5-11. 1 Total for State. 7 Shreveport. Jan. 23-Feb. 28. 5 Shreveport. Feb. 1-28. 1 Natchitoches Parish Feb. 1-28. 6 Orleans Parish— New Orleans Dec. 26-Mar. 5. 66 Morehouse Parish Feb. 1-28. 2 St. John Parish Feb. 1-28. 6 Tensas Parish Feb. 1-28. 13 Total for State 99 2 yland: Baltimore. Dec. 26-Jan. 1. 1 Dorchester County Jan. 8-31. 1 Total for State 6 Sacchusetts: Bristof County Jan. 1-Feb. 28. 6 Middlesex County Jan. 1-31. 1 Middlesex County Jan. 1-31. 4 Plymouth County Feb. 1-28. 4 Suffolk County Jan. 1-Feb. 28. 3 Worcester County Jan. 1-Feb. 28. 3 Worcester County Jan. 1-Feb. 28. 3 Worcester County Jan. 1-Feb. 28. 3 Worcester County Jan. 1-Feb. 28. 3	Total for State		780	• 1	
Hartford Dec. 12-18 2	Hartford Dec. 12-18 2	Total for State		100	1	
Hartford Dec. 12-18 2	Hartford Dec. 12-18 2	ntucky:				
Paducah	Paducah Jan. 5-11 1 Total for State 7 sisiana: 7 Shreveport Jan. 23-Feb. 28 5 Shreveport Jan. 23-Feb. 28 5 Natchitoches Parish Feb. 1-28 1 New Orleans Dec. 28-Mar. 5 66 New Orleans Dec. 28-Mar. 5 66 Morehouse Parish Feb. 1-28 2 St. John Parish Feb. 1-28 2 St. John Parish Feb. 1-28 13 Total for State 99 2 yland: Baltimore 99 2 yland: Dec. 26-Jan. 1 1 1 Garrett County Jan. 8-31 1 1 Total for State 6 6 8 sachusetts: Bristof County Feb. 1-28 6 6 Essex County Jan. 1-Feb. 28 6 6 Lynn County Feb. 1-28 4 4 Pylymouth County Jan. 1-Feb. 28 3 3<	Hartford	Dec. 12-18	2	l. .	
Paducah	Paducah Jan. 5-11 1 Total for State 7 sisiana: 7 Shreveport Jan. 23-Feb. 28 5 Shreveport Jan. 23-Feb. 28 5 Natchitoches Parish Feb. 1-28 1 New Orleans Dec. 28-Mar. 5 66 New Orleans Dec. 28-Mar. 5 66 Morehouse Parish Feb. 1-28 2 St. John Parish Feb. 1-28 2 St. John Parish Feb. 1-28 13 Total for State 99 2 yland: Baltimore 99 2 yland: Dec. 26-Jan. 1 1 1 Garrett County Jan. 8-31 1 1 Total for State 6 6 8 sachusetts: Bristof County Feb. 1-28 6 6 Essex County Jan. 1-Feb. 28 6 6 Lynn County Feb. 1-28 4 4 Pylymouth County Jan. 1-Feb. 28 3 3<	Lexington	Dec. 12-Jan. 29	4		
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Total for State. 6	Total for State	Garrett County	Jan. 8-31	1		
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Worcester County Jan. 1-Feb. 28 22	w orcester County Jan. 1-Feb. 28 22	Plymouth County	Fab 1_98		• • • • • • • • •	
Worcester County Jan. 1-Feb. 28 22	w orcester County Jan. 1-Feb. 28 22	Suffolk County	In 1-Feb 98			
		Worcester County	Ion 1-Feb 28	•		
Total for State	Total for State	Wordester County	JOH. 1-1 CU. 20			
	1001 101 100000	Total for State	ľ	116		

${\bf SMALLPOX} \ \ {\bf IN} \ \ {\bf THE} \ \ {\bf UNITED} \ \ {\bf STATES-Continued}.$

Place.	Date.	Cases.	Deaths.	Remarks.
Michigan:				
A Icona County	Nov. 1-Jan. 31	26		.
Antrim County Arenac County Bay County	Nov 1_Feb 28	1 33		
Arenac County	Nov. 1-Feb. 28 Nov. 1-Feb. 28 Jan. 1-Feb. 28	136		•
Bay County	Nov. I-Feb. 28	83 21		•
Berrien County Calhoun County Cass County Clare County	Jan. 1-reb. 28	1 1		•
Case County	Feb. 1-28	li		·
Clare County	Feb 1-28	i		1
Delta County	Dec. 1-31	î		1
Delta County Eaton County	Feb. 1-28	l î		
Emmet County	Nov. 1-Feb. 28 Nov. 1-Feb. 28 Nov. 1-Jan. 31 Nov. 1-30 Nov. 1-Feb. 28 Feb. 1-28	4		
Genesee County	Nov. 1-Feb. 28	264		1
Gladwin County	Nov. 1-Jan. 31	8		
Gratiot County	Nov. 1-30	1		
Houghton County	Nov. 1-Feb. 28	54		
Huron County	Dec. 1-Feb. 28	6		
Ingham County Ionia County	Nov. 1 Feb. 28	11		
Toron County	Dog 1 Feb 28	40 3		
Kent County	Dec. 1-Feb. 28	5		
Iosco County Kent County Keweenaw County Lapeer County	Jan. 1-Feb. 28	3		
Lapeer County	Nov. 1-Feb. 28	7		
Livingston County Manistee County	Nov. 1-Jan. 31	18		
Manistee County	Feb. 1-28	8		
Marquette County	Nov. 1-30	1		
Mason County	Nov. 1-30	_1		
Mecosta County Midland County	Jan. 1-Feb. 28	11		
Midiand County	Dec. 1-Feb. 28. Nov. 1-Feb. 28. Dec. 1-Feb. 28. Dec. 1-Feb. 28. Jan. 1-Feb. 28. Nov. 1-Feb. 28. Nov. 1-Jan. 31. Feb. 1-28. Nov. 1-30. Jan. 1-Feb. 28. Dec. 1-Feb. 28. Jan. 1-Feb. 28. Jan. 1-Feb. 28.	11		
Missaukee County Montcalm County	Jan. 1-Feb. 28	33 5	••••	
Montmorency County	Nov. 1-Feb. 28 Dec. 1-Feb. 28 Jan. 1-31	36		
Montmorency County Oakland County	Jan 1-31	1		
Oceana County	Jan. 1-31	i		
Ogemaw County Ontonagon County	Ian 1-Feb 28	-		
Ontonagon County	Nov. 1-Feb. 28 Dec. 1-Feb. 28 Jan. 1-Feb. 28	12		
Osceola County	Dec. 1-Feb. 28	14		
Oscoda County	Jan. 1-Feb. 28	7		
Otsego County Presque Isle County	Dec. 1–31 Dec. 1–Jan. 31 Jan. 1–31	1		
Presque Isle County	Dec. 1-Jan. 31	2		
Roscommon County Saginaw County St. Clair County	Dec. 1-Feb. 28	6 53		
St Clair County	Ion 1 Feb 28	16		
	Nov 1-Feb 28	3		
Shiawassee County	Jan. 1-Feb. 28 Nov. 1-Feb. 28 Dec. 1-Feb. 28	8		
Shiawassee County Tuscola County Wayne County	Feb. 1-28	3		
Wayne County	Feb. 1-28 Dec. 1-Feb. 28	8		
1	-			
Total for State		975	1	
nnesota:	Ī			
Anoka County	Feb. 1-28	5		
Anoka County Becker County		3		
Beltrami County	Dec. 21-Feb. 14	3		
Benton County	Dec. 14-20	7		
Divo Forth County				
Dide Earth County	Dec. 21-27	1		
Carver County	Dec. 14-20 Dec. 21-27 Dec. 7-Jan. 3	4		
Carver County Chippewa County	Dec. 21-27 Dec. 7-Jan. 3 Jan. 11-17	4		
	Dec. 21–27 Dec. 7–Jan. 3 Jan. 11–17 Feb. 15–21	1 2		
Carver County Chippewa County Chisago County Cook County Debote County	Dec. 21-27 Dec. 7-Jan. 3 Jan. 11-17 Feb. 15-21 Jan. 25-31	4 1 2 2		
Cook County	Jan. 25-31 Feb. 1-28	4 1 2 2 4		
Cook County	Jan. 25-31 Feb. 1-28	4 1 2 2 4 1		
Cook County	Jan. 25-31 Feb. 1-28	4 1 2 2 2 4 1		
Cook County Dakota County Dodge County Farl bault County Freeborn County Coodbus County	Jan. 25-31 Feb. 1-28 Jan. 25-31 Feb. 8-14 Jan. 18-Feb. 28	4 1 2 2 4 1		
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${\bf SMALLPOX} \ \ {\bf IN} \ \ {\bf THE} \ \ {\bf UNITED} \ \ {\bf STATES-Continued}.$

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Place.	Date.	Cases.	Deaths.	Remarks.
381				
Minnesota—Continued.	Jan. 11-Feb. 28	. 6	İ	
Ramsey County	Dec. 7-Feb. 14	4		
Renville County	Dec 7-13	1		
Rice County	. Jan. 11–17	.] 1		
Rock County	Dec. 7-Feb. 21	. 22		
Roseau County	Dec. 7-Feb. 28	32		
St. Louis County Sherburne County	Dec. 7-Feb. 28	21		
Sibley County	Jan. 11–17 Dec. 28–Feb. 28	وً إ		
Sibley County Stearns County	. Feb. 1-21	.1 4		
Swift County	Feb. 8-21	1 3		
Todd County	. Dec. 28-Jan. 31	1		
Wabasha County Wadena County	Dec. 13-Feb. 21	29		
Wilkin County	Feb. 1–21	15 1		
Watonwan County	Dec 28-Jan 31	i		
Wright County	Dec. 28-Jan. 31 Dec. 7-Feb. 28	41		•
Wright County Yellow Medicine County	Feb. 22-28	9		
			·	
Total for State		366		
Mississippi:				
Biloxi	Jan. 2-Feb. 3	5		
Gulfport	Jan. 26-Feb. 3	š		
Holly Springs	Jan. 2-29	6		
Marshall County	Jan. 30-Mar. 5	4	1	
Natchez Claiborne County—	Dec. 26-Feb. 26	90	2	
Port Gibson	Dec. 19-25	1	1 1	
Woodville	Feb. 27-Mar. 5	25	i	
***************************************	200121 22010			
Total for State		139	4	
Missouri:	Jan. 23-Feb. 26	5		
Andrew County	Tan 16_99	1		
Kansas City	Jan. 2-Feb. 19	16	1	
Kansas CitySt. Joseph	Jan. 2-Feb. 5	7		
St. Louis	Jan. 2–Feb. 19 Jan. 2–Feb. 5 Dec. 26–Mar. 5	22		•
Springfield	Jan. 1-31	4		
Total for State		55	1	
Total for State	•••••			
Montana:				
Beaverhead County	Dec. 1–Jan. 31 Jan. 1–31	2		
Carbon County	Jan. 1-31	1		
Chouteau County	Jan. 1–31 Nov. 1–Jan. 31	6 6		
Dawson County Flathead County	Oct 1-Nov 30	6		
Gallatin County	Oct. 1–Nov. 30 Dec. 1–Jan. 31	ž		
Jefferson County	Nov. 1-30	1		
Lewis and Clark County	Oct. 1-Jan. 31	6		
Madison County	Jan. 1–31 Oct. 1–Jan. 31	70		
Missoula County Park County	Nov. 1-Jan. 31	14		
Powell County	Nov 1_30	î		
Ravalli County	Nov. 1-Dec. 31 Jan. 1-31 Oct. 1-Jan. 31	3		
Sanders County	Jan. 1-31	3		
Silverbow County	Oct. 1-Jan. 31	135		
Butte	Dec. 19–31 Jan. 1–31	14 2		
Yellowstone County	Jan. 1-31			
Total for State		273		
	-			
Nebraska:	T 1 01			
Lincoln	Jan. 1-31 Dec. 5-11	4 3		
South Omaha	D-00. 0-11	<u> </u>		
Total for State		7		
10000 101 10000011111111111111111111111	:			
New Hampshire (entire State)	Jan. 1-Feb. 16	4		
Y	į			
New Jersey:	Feb. 1-28	1		
Bergen County Passaic County	Jan. 1-31	i		
Trenton	Jan. 30-Feb. 5	il		
	-			
Total for State		3		
j	-			

${\bf SMALLPOX\ IN\ THE\ UNITED\ STATES-Continued}.$

New York (entire State) Cattaraugus County Dec. 1-31. 1 Cattaraugus County Dec. 1-31. 1 Lewis County Dec. 1-31. 17 Lewis County Dec. 1-31. 17 Lewis County Dec. 1-31. 12 Lewis County Dec. 1-31. 14 Lewis County Dec. 1-31. 14 Lewis County Dec. 1-31. 14 Lewis County Dec. 1-31. 14 Lewis County Dec. 1-31. 14 Lewis County Dec. 1-31. 14 Lewis County Jan. 1-31. 2 St. Lawrence County Jan. 1-31. 2 Westchester County Jan. 1-31. 2 Westchester County Jan. 1-31. 1 Total for State Input County Jan. 1-31. 6 Beaufort County Jan. 1-31. 7 Bertie County Jan. 1-31. 7 Bertie County Jan. 1-31. 16 Beaufort County Jan. 1-31. 19 Cadawell County Jan. 1-31. 19 Carteret County Jan. 1-31. 19 Carteret County Jan. 1-31. 19 Cateret County Jan. 1-31. 10 Carteret County Jan. 1-31. 10 Catered County Jan. 1-31. 10 Catered County Cot. 1-3n. 31. 15 Craven County Cot. 1-3n. 31. 14 Cleveland County Oct. 1-3n. 31. 16 Craven County Jan. 1-31. 18 Duplin County Jan. 1-31. 18 Duplin County Jan. 1-31. 23 Davie County Jan. 1-31. 23 Davie County Jan. 1-31. 23 Davie County Jan. 1-31. 3 Davie County Jan. 1-31. 3 Davie County Jan. 1-31. 3 Davie County Jan. 1-31. 3 Davie County Jan. 1-31. 3 Davie County Jan. 1-31. 3 Davie County Jan. 1-31. 3 Davie County Jan. 1-31. 3 Davie County Jan. 1-31. 4 Durham County Jan. 1-31. 4 Durham County Jan. 1-31. 5 Davie County Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan. 1-31. 7 Jan	Place.	Date.	Cases.	Deaths.	Remarks.
Cattraingus County Dec. 1-31			ļ	-	
Cayuga County Dec. 1-31		Sept. 1-Nov. 30		1	
Lewis County	Cattaraugus County	Dec. 1-31	1		i
Lewis County	Cayuga County	Dec. 1-31	1 ,1		1
Lewis County	Ene County	Dec. 1-31	17		
Usite County Jan. 1-31 1 1 1 1 1 1 1 1 1		Dec 1-31	1 5		1
Usite County Jan. 1-31 1 1 1 1 1 1 1 1 1	Niggara County	Dec. 1-Jan. 31	40		
Usite County Jan. 1-31 1 1 1 1 1 1 1 1 1	Oneide County	Dec 1-Jan 31	1 70		
Usite County Jan. 1-31 1 1 1 1 1 1 1 1 1	St. Lawrence County	Jan 1-31	ة ا		
Westchester County		Jan. 1-31	ž		
Total for State 109	Westchester County	Jan. 1-31			İ
Section Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina		1			
Alamance County	Total for State		109	1	
Alamance County	Jorth Carolina				
Beaufort County		Jan. 1-31	62	1	
Bertic County					
Bladen County					
Burke County	Bladen County	Nov. 1-Jan. 31			
Cabarus County	Burke County		20		
Caldwell County	Cabarrus County	Jan. 1-31			
Carteret County	Caldwell County	Jan. 1-31	9		
Catawba County	Carteret County	Jan. 1-31			
Chatham County	Catawba County	Oct. 1-Jan. 31			
Cleveland County	Chatham County	Jan. 1-31			
Craven County.	Chowan County	Oct. 1-Jan. 31			
Currituck County	Cleveland County	Oct. 1-Jan. 31			
Davidson County	Craven County	Nov. 1-Jan. 31		•••••	
Davile County	Currituck County	Oct. 1-Nov. 30			
Duplin County	Davidson County	Oct. 1-Jan. 31			
Durham County	Davie County				
Edgecombe County	Duplin County	Nov. 1-Jan. 31			
Forsyth County	Durnam County				
Franklin County	Edgecombe County	Jan. 1–31			
Greene County	Forsyth County	Oct. 1-Jan. 31			
Greene County	Goston County	Nov. 1 20		•••••	
Guilford County	Greene County	Nov 1 20			
Iredell County	Quilford County				
Johnston County	Iredell County				
Jones County	Johnston County				
Lenoir County	Jones County				
Lincoln County		Jan. 1-31			
McDowell County Nov. 1-3an. 31 67 Mecklenburg County Nov. 1-31. 73 1 Nash County Jan. 1-31. 90 Nov. 1-30, many]cases. Onslow County Jan. 1-31. 90 Nov. 1-30, many]cases. Pamlico County Jan. 1-31. 4 2 Perquimans County Jan. 1-31. 62 2 Randolph County Jan. 1-31. 2 2 Robeson County Oct. 1-31. 7 8 Rowan County Nov. 1-30. 26 26 Rowan County Nov. 1-3an. 31. 7 7 Rutherford County Nov. 1-3an. 31. 38 8 Sampson County Jan. 1-31. 14 14 Stokes County Jan. 1-31. 140 14 Surry County Oct. 1-Nov. 30. 9 9 Union County Nov. 1-3an. 31. 62 2 Wake County Nov. 1-3an. 31. 199 9 Willian County Oct. 1-Jan. 31. 199 1		Jan. 1-31			
Mecklenburg County Nov. 1-31 73 1 Nash County Jan. 1-31 90 Nov. 1-30, many]cases. Onslow County Jan. 1-31 90 Nov. 1-30, many]cases. Pamilico County Jan. 1-31 4 Several. Perquimans County Jan. 1-31 62 Several. Randolph County Jan. 1-31 62 Several. Randolph County Jan. 1-31 7 Several. Rookan County Nov. 1-30 26 Several. Rowan County Nov. 1-30 26 Several. Rockingham County Nov. 1-30 26 Several. Rockingham County Nov. 1-30 26 Several. Rockingham County Nov. 1-30 26 Several. Rockingham County Nov. 1-31 13 38 Sampson County Nov. 1-31 140 Several. Surgerial Nov. 1-30 9 Oct.1-30 Surgery County Oct. 1-Nov. 30 9 9 Walse County	McDowell County	Nov. 1-Jan. 31	67		
Nash County Jan. 1-31 90 Nov. 1-30, many]cases. Onslow County Jan. 1-31 5 Several. Pamlico County Jan. 1-31 4 Several. Perquimans County Jan. 1-31 62 Several. Randolph County Jan. 1-31 2 Robeson County Robeson County Nov. 1-30 26 Rowan County Rowan County Nov. 1-30 26 Rowan County Rutherford County Nov. 1-Jan. 31 38 38 Sampson County Jan. 1-31 14 4 Surry County Oct. 1-Nov. 30 9 9 Union County Oct. 1-Jan. 31 62 Wake County Nov. 1-Jan. 31 33 Wayne County Nov. 1-Jan. 31 9 Wilson County Nov. 1-Jan. 31 199 Yadkin County Oct. 1-Jan. 31 199 Yadkin County Oct. 1-Jan. 31 14 Total for State 1,452 1 orth Dakota: 1 1	Mecklenburg County		73	1	
Onslow County Jan. 1-31 5 Pamlico County Jan. 1-31 4 Pitt County Jan. 1-31 62 Randolph County Jan. 1-31 62 Robeson County Oct. 1-31 7 Rockingham County Nov. 1-30 26 Rowan County Nov. 1-3an. 31 7 Rutherford County Nov. 1-3an. 31 38 Sampson County Jan. 1-31 1 Surry County Oct. 1-Nov. 30 9 Union County Oct. 1-Nov. 30 9 Union County Oct. 1-Jan. 31 62 Wake County Nov. 1-3an. 31 62 Wake County Oct. 1-Jan. 31 9 Wilses County Jan. 1-31 9 Wilses County Jan. 1-31 199 Yadkin County Oct. 1-Jan. 31 17 Yancey County Oct. 1-Jan. 31 14 Total for State 1,452 1 orth Dakota: 1 1 Billings County Dec. 1-31	Nash County				Nov. 1–30, many cases.
Perquimans County	Onslow County		5		
Pitt County	Pamlico County				Several.
Randolph County	Perquimans County				
Robeson County	Pitt County	Jan. 1-31			
Rockingham County		Jan. 1-31			
Nov. 1-Jan. 31 7 7 7 7 7 7 7 7 7	Robeson County	Oct. 1-31			
Rutherford County. Nov. 1-Jan. 31 38 1	Rockingnam County	Nov. 1-30			
Sampson County Jan. 1-31 1 1 1 1 1 1 1 1 1	Rowan County	Nov. 1-Jan. 31			
Store County	Sampson County	Top 1 21			
Surry County	Stokes County	Tan 1_21			
Union County. Oct. 1-Jan. 31 62 62 62 62 62 62 62 62 62 62 62 62 62	Surry County	Oct 1-Nov 20			•
Wake County Nov. 1-3an. 31 33 Wayne County Nov. 1-30 8 Wilkes County Nov. 1-3an. 31 199 Yadkin County Oct. 1-Jan. 31 7 Yancey County Oct. 1-Jan. 31 14 Total for State 1,452 1 orth Dakota: Jan. 1-Feb. 28 11 Bottineau County Oct. 1-31 1 Cass County Jan. 1-Feb. 28 1 Grand Forks County Jan. 1-Feb. 28 2 McLean County Dec. 1-Jan. 31 4 Nelson County Feb. 1-28 12 Steele County Feb. 1-28 6 Williams County Feb. 1-28 6 Williams County Jan. 1-31 39	Union County	Oct 1-Top 31			
Wayne County Nov. 1-30 8 Wilkee County Jan. 1-31 9 Wison County Nov. 1-Jan. 31 199 Yadrey County Oct. 1-Jan. 31 14 Total for State 1,452 1 orth Dakota: Jan. 1-Feb. 28 11 Billings County Oct. 1-31 1 Bottineau County Dec. 1-31 1 Grand Forks County Jan. 1-Feb. 28 2 McLean County Dec. 1-Jan. 31 4 Nelson County Feb. 1-28 12 Steele County Feb. 1-28 6 Williams County Feb. 1-28 6 Walsh County Jan. 1-31 39	Wake County	Nov 1-Jan 31			
Wilkes County	Wayne County	Nov. 1-30			
Wilson County Nov. 1-Jan. 31 199 Yadkin County Oct. 1-Jan. 31 7 Yancey County Oct. 1-Jan. 31 14 Orth Dakota: 1,452 1 Billings County Jan. 1-Feb. 28 11 Bottineau County Oct. 1-31 1 Cass County Dec. 1-31 1 Grand Forks County Jan. 1-Feb. 28 2 McLean County Dec. 1-Jan. 31 4 Nelson County Feb. 1-28 2 Steele County Feb. 1-28 6 Williams County Feb. 1-28 6 Walsh County Jan. 1-31 39	Wilkes County	Jan. 1-31			
Yadkin County Oct. 1-Jan. 31 7 Yancey County Oct. 1-Jan. 31 14 Total for State 1,452 1 orth Dakota: Jan. 1-Feb. 28 11 Billings County Oct. 1-31 1 Cass County Dec. 1-31 1 Grand Forks County Jan. 1-Feb. 28 2 McLean County Dec. 1-Jan. 31 4 Nelson County Feb. 1-28 12 Steele County Feb. 1-28 6 Williams County Feb. 1-28 6 Walsh County Jan. 1-31 39	Wilson County	Nov. 1-Jan. 31			
Yancey County Oct, 1-Jan. 31 14 Total for State 1,452 1 orth Dakota: Jan. 1-Feb. 28 11 Bottlineau County Oct. 1-31 1 Cass County Dec. 1-31 1 Grand Forks County Jan. 1-Feb. 28 2 McLean County Dec. 1-Jan. 31 4 Nelson County Feb. 1-28 12 Steele County Feb. 1-28 6 Williams County Feb. 1-28 6 Walsh County Jan. 1-31 39	Yadkin County				
Total for State	Yancey County	Oct. 1-Jan. 31	14		
Stelle County Jan. 1-Feb. 28 11	· · ·	- 1			
Billings County	Total for State		1,452	1	
Billings County	with Dakota	ŀ			
Bottheau County		Top 1 Feb 90	12		
Cass County Dec. 1-31. 1 Grand Forks County Jan. 1-Feb. 28. 2 McLean County Dec. 1-Jan. 31. 4 Nelson County Feb. 1-28. 12 Steele County Feb. 1-28. 6 Williams County Feb. 1-28. 6 Walsh County Jan. 1-31. 39		Oot 1 21			
Grand Forks County. Jan. 1-Feb. 28. 2 McLean County. Dec. 1-Jan. 31. 4 Nelson County. Feb. 1-28. 12 Steele County. Feb. 1-28. 6 Williams County Feb. 1-28. 6 Walsh County. Jan. 1-31. 39	Case County	Dec 1-31			
McLean County Dec. 1-Jan. 31. 4 Nelson County Feb. 1-28. 12 Steele County Feb. 1-28. 6 Williams County Feb. 1-28. 6 Walsh County Jan. 1-31. 39	Grand Forks County	Ion 1_Feb 28		••••••	
Nelson County Feb. 1-28 12 Steele County Feb. 1-28 6 Williams County Feb. 1-28 6 Walsh County Jan. 1-31 39	McLean County			•••••	
Steele County Feb. 1-28 6 Williams County Feb. 1-28 6 Walsh County Jan. 1-31 39	Nelson County	Feb. 1-28		•••••	
Williams County	Steele County	Feb. 1-28			
Walsh County Jan. 1-31 39	Williams County	Feb. 1-28			•
	Walsh County	Jan. 1-31			
Total for State 82		1-			

SMALLPOX IN THE UNITED STATES-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ohio:				
Allen County	Jan. 1-Feb. 28 Jan. 1-31	26		ł
Adams County	Jan. 1-31	1		
Auglaize County	Feb. 1-28 Jan. 1-Feb. 28	8		
Belmont County	Jan. 1-Feb. 28	7 19		
Brown County	Jan. 1-Feb. 28 Jan. 1-31	19		
Clermont County Cuyahoga County—	Jan. 1-31			
Cleveland	Dec. 19-26	1		
Darke County	Jan. 1–31	3		
Darke CountyFranklin County	Jan. 1–31 Jan. 1–Feb. 28	7		
Hamilton County	Jan. 1-Feb. 28	, ż		
Jackson County	Jan. 1-Feb. 28	36		
Knox County	Feb. 1–28 Jan. 1–Feb. 28	1		
Miami County	Jan. 1-Feb. 28	2		
Montgomery County	Jan. 1-Feb. 28	3	1	
Portage County Ross County	Feb. 1–28 Jan. 1–31	10		
Ross County	Jan. 1–31	16		
Scioto County	Feb. 1-28	3	Į	
Seneca County	Feb 1-28	3		
Shelby CountyVan Wert County	Jan. 1-Feb. 28	7		
Van Wert County	Jan. 1–Feb. 28 Jan. 1–Feb. 28 Jan. 1–31	27		
Wayne County	Jan. 1-31	1		
Williams County—	D 10.05			
Stryker	Dec. 19-25	1 4		
Wyandot County	Feb. 1-28	4		
Total for State		189		
Total for State		109	•••••	
klahoma:				
Beckham County	Nov. 1-30	1		
Blaine County	Dec 1-31	7		
Coal County	Aug 1_Sent 30	10		
Comanche County	Nov 1-30	1		
Creek County	Dec. 1-31	3	•••••	
Garfield County	Nov. 1-30	ĭ		
Grant County	Nov. 1-30 Aug. 1-31	ī		
Harmon County	A 110 1-31	2		
Hughes County	Aug. 1–31	3		
Jackson County	Aug. 1-31	19		
Kingfisher County	Oct. 1-31	2		
Le Flore County	Oct. 1-31	1		
Lincoln County	Aug. 1-31 Sept. 1-30 Oct. 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	
	Nov.			
Osage County	Sept. 1-Oct. 31	9		
Pawnee County Pottawatomie County	Aug. 1-31	1 41		•
Pottawatomie County	Sept. I-Nov. 30	1		
Pushmataha County Seminole County	Sept. 1-Nov. 30 Sept. 1-30 Oct. 1-Nov. 30	7		
Sequoyah County	Aug 1 Copt 20	2		
Tulsa County	Aug. 1-Sept. 30 Nov. 1-30	3		
Washington County	Nov. 1-30	ĭ		
Woodward County	Nov. 1-30	ī		
,, oog				
Total for State		139	1	
regon (entire State)	Dec. 1–31 Nov. 1–30	28		
Portland	Nov. 1-30	2		
I				
Total for State		30		
ennsylvania (entire State)	Dec. 1-Jan. 31	16		ŧ
outh Carolina:	İ			
Clover	Jan. 23-29	3	.	
Clover	Jan. 23-29	3		
Total for State		3		
ennessee:	ļ			
Davidson County—				
Nashville	Feb. 20-26	1		
Dekalb County	Dec. 12-Jan. 1	9		
	~~~. I + + + + + + + + + + + + + + + + + +	•		
Hamilton County-	Dec 26-Mar. 5	45		
	Dec. 26-Mar. 5	45		

## ${\bf SMALLPOX} \ \ {\bf IN} \ \ {\bf THE} \ \ {\bf UNITED} \ \ {\bf STATES-Continued}.$

Place.	Date.	Cases.	Deaths.	Remarks.
Tennessee—Continued.				
Tennessee—Continued. Shelby County	Nov. 1-Jan. 31	28		
Memphis	Nov. 1-Mar. 5 Dec. 26-Feb. 5	149		
Washington County	Dec. 26-Feb. 5	11		
Total for State	•••••	287		
Texas:				1
Amarillo	Jan. 16-22	16		i
Atascosa County	Jan. 31-Feb. 19	100	<u>;</u> -	f i :
Denton County	Dec. 26-Feb. 27	106 5	15	
Fort Worth	Nov. 1-Feb. 28	52	1 4	
Galveston.	rep. 0-20	3		
Hale County	Jan. 9-15	.7	<u>-</u> -	
Normanna	Jan. 1-31	12 3	5	
RockdaleSan Antonio	Feb. 13-19 Dec. 5-Feb. 12	16	1	
Waco	Jan 1-Feb 28	3	l	
Walnut Springs	Jan. 12-18	2	l	
Wills Point	Jan. 1-31	2	1	
Total for State		233	.27	·
Utah: Boxelder County	Dec. 1-Jan. 31	46	l	
Cache County	Dec. 1-Jan. 31	21		•
Carbon County	Dec. 1-Jan. 31	6		
Davis County	Dec. 1-Jan. 31 Dec. 1-Jan. 31 Jan. 1-31	28		
Juab County	Jan. 1-31	16		
Piute County	Dec. 1-31	1		
Solt Lake County	Jan. 1-31 Dec. 1-Jan. 31 Dec. 1-Jan. 31	68		
Salt Lake County Sanpete County	Dec. 1-Jan. 31	9		
		3		
Sevier County Summit County Tooele County Uintah County	Jan. 1-31	12		
Tooele County	Dec. 1-31	1 21		
IItah County	Dec. 1-Jan. 31	69		
Wasatch County	Dec. 1-Jan. 31	7	ii	
Utah County	Dec. 1-Jan. 31 Dec. 1-Jan. 31	28		
Total for State		337	1	
Virginio:				
Virginia: Lynchburg Petersburg Portsmouth Richmond	Ian 30-Mar 5	29	1	
Petersburg.	Dec. 26-Jan. 26	ž		
Portsmouth	Jan. 16-29	2		
Richmond	Dec. 1-31	1		
Total for State		34	1	
Washington:	i			
Kitsap County	Jan. 1-31	1		
Seattle	Jan. 2-22	6		
Spokane	Dec. 19-Jan. 29 Jan. 2-31	22		
Tacoma Wahkiakum County	Jan. 2-31 Dec. 1-31	2 8		
wankiakum county	Dec. 1-31			•
Total for State		39		
17 4 372 d d d d	(-			
vest virginia:	1			
Berkeley Springs	Dec. 27-Feb. 17	6		
Berkeley Springs Wheeling	Dec. 27-Feb. 17 Jan. 30-Feb. 5	6		
Berkeley Springs Wheeling	Dec. 27-Feb. 17 Jan. 30-Feb. 5			
Berkeley Springs	Dec. 27-Feb. 17 Jan. 30-Feb. 5	1		
Berkeley Springs	Jan. 30-Feb. 5	7		
Berkeley Springs.  Wheeling.  Total for State  Visconsin:  Buffalo County	Jan. 30-Feb. 5 Feb. 1-28.∴	7		
Berkeley Springs. Wheeling.  Total for State.  Visconsin: Buffalo County. Chippewa County. Clark County.	Jan. 30-Feb. 5 Feb. 1-28	7		
Berkeley Springs. Wheeling.  Total for State.  Visconsin: Buffalo County. Chippewa County. Clark County.	Jan. 30-Feb. 5 Feb. 1-28	3 3 3 14 7		
Berkeley Springs.  Wheeling  Total for State.  Visconsin:  Buffalo County.  Chippewa County.  Clark County.  Crawford County.  Dane County.	Jan. 30-Feb. 5 Feb. 1-28 Jan. 1-31 Jan. 1-Feb. 28 Feb. 1-28	3 3 3 14 7		
Berkeley Springs.  Wheeling  Total for State.  Wisconsin:  Buffalo County.  Chippewa County.  Clark County.  Crawford County.  Dane County.	Jan. 30-Feb. 5 Feb. 1-28 Jan. 1-31 Jan. 1-Feb. 28 Feb. 1-28	7 3 3 14 7 1 13		
Total for State	Feb. 1-28 Jan. 1-7eb. 28 Jan. 1-7eb. 28 Feb. 1-28 Jan. 1-Feb. 28 Feb. 1-28 Jan. 1-Feb. 28	3 3 14 7 1 13 6		
Berkeley Springs.  Wheeling.  Total for State.  Wisconsin:  Buffalo County.  Chippewa County.  Clark County.  Crawford County.  Done County.  Douglas County.	Feb. 1-28 Jan. 1-7eb. 28 Jan. 1-7eb. 28 Feb. 1-28 Jan. 1-Feb. 28 Feb. 1-28 Jan. 1-Feb. 28	3 3 3 14 7 1 13 6		
Berkeley Springs. Wheeling. Total for State.  Wisconsin: Buffalo County. Chippewa County. Crawford County. Dane County. Douglas County. Superior. Grant County. Jefferson County. Jefferson County. Juneau County	Feb. 1-28  Jan. 1-31  Jan. 1-Feb. 28  Feb. 1-28  Jan. 1-Feb. 28  Jan. 1-Feb. 28  Dec. 19-Jan. 1.  Feb. 1-28  Jan. 1-Feb. 28  Jan. 1-Feb. 28  Jan. 1-Feb. 28	3 3 14 7 1 13 6		
Berkeley Springs.  Wheeling  Total for State.  Wisconsin:  Buffalo County.  Chippewa County.  Clark County.  Crawford County.  Dane County.	Feb. 1-28  Jan. 1-31  Jan. 1-Feb. 28  Feb. 1-28  Jan. 1-Feb. 28  Jan. 1-Feb. 28  Dec. 19-Jan. 1.  Feb. 1-28  Jan. 1-Feb. 28  Jan. 1-Feb. 28  Jan. 1-Feb. 28	3 3 14 7 1 13 6 1		

#### SMALLPOX IN THE UNITED STATES—Continued.

#### Reports Received from January 1 to March 18, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Wisconsin—Continued. Langlade County Milwaukee County. Milwaukee. Price County Walworth County Winnebago County	Jan. 1-Feb. 28 Jan. 1-Feb. 28 Dec. 19-Jan. 1. Feb. 1-28. Feb. 1-28. Jan. 1-31.	3 19 2 1 1 2		
Total for State		112		
Grand total for the United States		7,739	43	

## MORBIDITY AND MORTALITY.

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

#### [For smallpox see special tables.]

Cities.	Week	Esti- mated popula-	Total deaths from		her- osis.	ph	y- loid ver.		rlet ver.		ph- eria.	Meas	sles.		oop- ig igh.
	ended—	tion, 1909.	tion. all	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa. Ann Arbor, Mich. Ashtabula, Ohio. Baltimore, Md. Bayonne, N. J. Berkeley, Cal. Biddeford, Me. Boston, Mass. Braddock, Pa. Bridgeport, Conn. Broekton, Mass. Butter, Pa. Butte, Mont. Cambridge, Mass. Cambridge, Ohio. Cambridge, Ohio. Carbondale, Pa. Chattanooga, Tenn. Do. Chelsea, Mass. Chicago, Ill. Chicopee, Mass. Cincinnati, Ohio. Cleveland, Ohio. Clinton, Mass. Coffeyville, Kans. Coffeyville, Kans. Columbus, Ga. Concord, N. H. Covington, Ky. Danville, Ill. Dayton, Ohio. Dunkirk, N. Y. Elmira, N. Y. Elmira, N. Y. Elmira, N. Y. Elyria, Ohio.	do	50, 814 14, 711 16, 648 576, 023 49, 894 17, 676 622, 970 21, 000 90, 913 53, 978 12, 760 49, 892 101, 872 111, 733 89, 303 89, 303 715, 698 34, 654 39, 862 2, 224, 491 20, 010 351, 212 506, 938 12, 656 17, 893 21, 997 51, 715 27, 387 108, 688 384, 855 18, 061 35, 765 22, 911 11, 653	13 9 13 188 11 248 12 38 14 4 35 13 6 11 754 9 183 3 4 10 32 4 37 166 145 7 166 175 185 185 185 185 185 185 185 18	199 1 2 67 7 2 3  5  98  2 2 2 2 2 2	1 22 24 1 3 3	7 1 1	6	27 5 1 37 23 4 4 4 4 152 10 12 10 43 45	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 2 57 4 3 5 118 23 118 22 15 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 1 1 20 4 12 2 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 3 2 4 4	29 5 3 10 1 1 1	1
Erie, Pa	Mar. 12 do Mar. 14 Mar. 12 Feb. 28	63,652 66,948 32,931 106,481 18,375	13 25 22 11 33 12 21	8 2 1 9	1 3 3 2 	7 8 1 	2 1	13 7 1 2 2		3 3 2 1	1	12 6 4  23 103		1 1	

## MORBIDITY AND MORTALITY—Continued.

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

Cities.	Weak	Esti- mated	Total deaths		ıber- osis.	p]	Гу- hoid ver.		arlet ver.		iph- eria.	Mea	sles.	i	oop- ng ugh
Cities.	ended—	popula- tion, 1909,	from all causes.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Freeport, Ill	Mar. 12	19,200	2					. 1		1					
Do	Mar. 5 Mar. 12		0	2 2			-								
Galesburg, Ill	do	21,615	8					2	1						
Galesburg, Ill Galveston, Tex	do	36,964	1	3	1	1	ļ			1					
	Mar. 11 Mar. 12	25,923 105,909	8	5	1	6	i	31	1	2		18		2	
Groucester, Mass Grand Rapids, Mich. Harrison, N. J Hartford, Conn Haverhill, Mass	do	14,604	32				1.	l	1	í		10			
Hartford, Conn	do	103,808	24		1			. 6		6		5			
Haverhill, Mass	do	38, 354	27	2	2		.	7		1	;-	10		5	i
Indiananolis Ind	Feb 26	15,522 241,826	80 80	1 5	18	1 4	i	14		7	1	373	1	10	
Do	Mar. 5		106	5 2	11	3	1	14	İ	6		343		Ť	
Do	Mar. 12	40.700	99	8	15	·		9	2	9		391	2	10	ï
Jacksonville, Fla	do Mar. 13	40,798 253,711	21 93	• • • •	11	2	1 1	23		16	1	25			
Do	Mar. 12	46.520	25	4	2		i	1		4	2	44	[	3	
	Man. 3	36,504	15					10				1			
Do	Mar. 12 do	85,742	24 37	1	2 4	2	i	11	1	3 10	····	2 42			
Kearny, N. J.	do	15, 765	10	2	2		l	1.7		10		- 42			
Kingston, N. Y	do	20,110	15	<b></b>	3			2	1						
Knoxville, Tenn	Mar. 5	37,758	10	• • • •		4				5	3	2			
	do Mar. 12		12 5			i	1	6		49	3				
La Crosse, Wis	do	29, 224	11		1	ļ		ĭ				4			
La Crosse, Wis La Fayette, Ind Lawrence, Mass Lancaster, Pa	do	19,801	2			:	1	;-	2			2	:-		
Lawrence, mass	do	76,042 49,962	29 8	3	2	3	1	6 9	2	3	1	39 35	1		
		20, 295	6					8				4			
Lexington, Ky	do	30,690	14	-:	4			- <u></u> -							<u>:</u>
Los Angeles, Cal	Mar. 5	4 103,000 95,125	100 45	17 2	19 2	4		17	2	4 2	$\begin{vmatrix} 1\\2 \end{vmatrix}$	529 98	1 1	• • • •	1
Lynchburg, Va	Mar. 5	29, 457	30					i		ĩ		1		2	
Lexington, KyLos Angeles, CalLowell, MassLynchburg, VaDo.	Mar. 12					٠		1		<u>.</u> .					
Lynn, Mass	do	83,865	25	6	2	15	1	7	1	7	1				
Lynn, Mass	do	68, 561 10, 788	27					i		2		4			
Manistee, Mich	Mar. 12	10,788						·				5			
Manitowoc, Wis	Mar. 5	13,490	6	• • • •	··i			2		····2					
Mansfield, Ohio	do	21,390										15			
Marinette, Wis	do	14,682	2					1							
Mariboro, Mass	do	14,444 13,610	3 6	• • • •	1	1		3		3		32 110	2		
Maminowoc, wis Do Mansfield, Ohio Marinette, Wis Marlboro, Mass Massillon Ohio Malden Mass Medford, Mass Medford, Mass Memphis, Tenn	do	41,535	14					5	2	4		2			
Medford, Mass	do	20,839	4					1		1		12			
Meirose, Mass	mar. 5	15, 361 136, 363	2 75	5	····7			3		1 2		· • • • • •			
Do	Mar. 12		57	7	4		i	8		5	1				
Milwaukee, Wis	Mar. 5	332, 495	128			49	9	52	1	13	2	63		15	1
Montelair, N. J Moline, Ill	Mar. 12	18,296 23,081	5	1		i		3	• • • •	4	··i·			1	• • • •
Montgomery, Ala	do Mar. 5	43,927	14	2	i									::::	
Do	Mar. 12		20	2	2					1					
Morristown, N. J	do	12,849	4	2		• • • •		3		2		<u>2</u>			
Muskegon, Mich	do	27,891 20,995	1	2 2				1				2			
Nanticoke, Pa	do	13,980	2					1				3			
Nasnville, Tenn	do Feb. 26	106, 476	26	5	3	1		2		1		3		··i·	· · · ·
Nebraska City, Nebr.	Mar. 12	14, 108	14	3	3	3		1			:::	4			
Natchez, Miss Nebraska City, Nebr. Newark, N. J. New Bedford, Mass	do	308,669	109			3		59		50	6		2		i
New Bedford, Mass	do	14 020	28	1	2	1		7				50 94	1		· · · ·
New Dury port, Mass.	Mar. 5	14,832 327,662	20	37	18	3	2	25		12		121			
100	Mar 12		130	33	11	5	<b>.</b>	25 27		21	i	79	2		
Newport, Ky	do	31,345	13		2					1				38	<u>ż</u>
Torr Vort N V		1, 450, 963	1,477 8	381	166	28	6	673	30	400	44	1,547	33		

a Population 1900. No estimate 1909.

## MORBIDITY AND MORTALITY—Continued.

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

. Cities.	Week	Esti- mated popula-	Total deaths from		ber- osis.	ph	'y- loid ver.	Sca	arlet ver.		iph- eria.	Mea	sles.	iı	oop- ng igh.
	ended—	tion, 1909.	all	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
North Adams, Mass North Mass North Weymouth,	Mar. 12 do	20,510 21,008	2 6	1				1						···i	
Mass Oklahoma City,Okla.	do Jan. 22	11,793 45,380		3	2			1 2		ıi.		10	<b>-</b>		
Do	Jan. 23		12	5 2	3			3		1		3		ļ	
Do Do	Feb. 6 Feb. 13		22 19	2	3	2		3		1		10			
D٥	Feb 20		23	1		2		2 2	··i	2		12			
Do. Orange, N. J. Peekskill, N. Y.	Feb. 27 Mar. 12	27,669	33	1 2	1	1	1	4		i		8 15		• • • • •	
Peekskill, N. Y	do	15,473	3	2	l			1		ļ					
Pittsburg, Pa	do	558, 123 27, 589	243 10	35	16 2	16	1	22	3	11 2	3	183	4	18	:
Pittsburg, Pa. Pittsfield, Mass. Plainfield, N. J. Pontiac, Mich. Do. Do. Do.	do	20,947	8	1 2					l::::			<b>.</b> .			
Pontiac, Mich	Feb. 5	12,819	13	18 17	1	1		4		4				¦	
Do	Feb. 12		13 12	17		1		3 3		5					
Do	Feb. 26		4	17				3		5 2					
Do	Feb. 26	57,675	20 18		1	3		3		3		8 4			
Do	Mar. 5		20		1	1		4		5		19			
Ro	Feb. 19	• • • • • • • • • • • • • • • • • • • •	17	 	2			2		1 1			1		
Portsmouth, Va	do	19, 225	17					i				3			
Pottstown, Pa	do	19, 225 14, 065 217, 065	15	12	1	7	<u>.</u>	12		25 10	··i·	20			;
Racine, Wis	do	34,840	86 10		11		í	12		10		20			
Rock Island, Ill	do	24,766	5		2		1								
San Jose, Cal	Mer 5	24,596	11 11		i				••••	• • • •				• • • • •	
Seattle, Wash	do	a 104, 169	26	2	7	3		2		2		19		2	
Do Do Do Do Do Do Do Do Do Do Do Do Do D	do	31,889	9	1	1	1	1			1	• • • •	13		• • • •	
N. Y.	do		2							1		1			
Do	Mar. 12	13,471	6 54	8	8	···5	• • • •	13		3		6 16	i		• • • •
St. Louis, Mo	Mar. 5	4 104,169 686,369	269	42	31	8	2	75	6	26	i	49		34	
Do	Mar. 12		241	40	23	5	2	60	4	38	5	31 1		44	····i
Sandusky, Ohio San Francisco, Cal	do Feb. 19	a 342, 782	5 151	33	19	3	••••	21	• • • • •	30	i	31	·i	4	···i
D0	Feb. 26		113	36	9	5		11		18		21	1	4	1
Schenectady, N. Y	Mar. 5 Mar. 12	73,037	28 24	6	1 2	1		8 2 2	• • • •	5		55 42	···i	2	i
Somerville, Mass	do	75,375	28 24 25	ž	1			2		ì		3			••••
South Bend, Ind South Bethlehem, Pa	do	49, 321 15, 886	15 8		5	···i·		2	••••	••••		₁₂ .		••••	• • • •
	mar. 5	134,972	0							i					• • • •
South Omaha, Nebr. Do	Mar. 12   Feb. 26	a 47, 006	0 18	••••	<u>.</u> .				···i·	··i·		23			• • • •
Do	Mar. 5		30		3			3		4		16			- <b></b>
Springfield, Mass Springfield, Ohio Steelton, Pa. Superior, Wis Tacoma, Wash	Mar. 12	82,724	26	5	1			8	2	5		35 15		2	· · · ·
Steelton. Pa	Mar. 12	43, 975 14, 769	10 6	5	1			3		5	2	3		i	· · · · ·
Superior, Wis	do	40, 919	17					3 2		2		_i .			٠;
Tacoma, Wash	Feb. 19 Mar. 5	a 37, 714	21 24	1	2 3	1		1	1	1	i	2			
Taunton, Mass	Mar. 12	30,926	16					3				5			• • • •
Taunton, Mass. Terre Haute, Ind. Titusville, Pa. Topeka, Kans. Trenton, N. J. Utlca, N. Y. Waltham, Mass. Warren, Pa.	do	55, 509 8, 397	18	• • • •	3	. 1				1		28			 
Topeka, Kans	do		0	2								i			
Trenton, N. J	do	92,878	7 34	8 2	6	4	1	12 1		5 2		14			• • • •
Waltham, Mass	do	69, 458 28, 522	5	4	ī					- 1		1			• • • •
Warren, Pa	Feb. 28	11,838	2	1	1			3		··;·		25 21	;.	5	• • • •
Washington D.C.	Mar. 5	322, 212	3 151	24	15	6	3	41	::::	9	i	8	1	15	····ż
West Newton, Mass.	Mar. 12	39, 419	11					3				5			••••
West Newton, Mass. Wheeling, W. Va Do	Mar. 5	49 700	18	3	3 2	2 3		4 2	• • • •	3		····· ₂ ·			• • • •
νο	Mar. 12	42,799	14	1 1	2 1	3 1	'	2)	• • • • '	ا ک	1	4			· · · ·

a Estimated population 1906. No estimate 1909.

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#### MORBIDITY AND MORTALITY-Continued.

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

Ciki-a	Week	popula- tion,	Total deaths		ber- osis.	ph	y- oid er.		rlet er.		ph- eria.	Meas	sles.	l ii	oop- ng ngh.
Cities.	ended—		from all causes.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Witchita, Kans Wilkes-Barre, Pa Do Wilkensburg, Pa Williamsport, Pa Williamsport, Pa Woburn, Mass Worcester, Mass Do Yonkers, N. Y Do York, Pa Zanesville, Ohio	dodo Mar. 5 Mar. 12 Mar. 5 Mar. 12do	39, 612 64, 323 19, 999 30, 220 88, 980 14, 520 135, 906 72, 200 41, 895 25, 614	18 20 28 5 9 37 1 46 53 21 21	3 7 2 1 13 8 1 9	1 1  5  7 2 1 2	1  1 4 3 2 1	1 2	2 4 7 1 7  3 5 14 11	1	1 3  10 7 2 9	1 1 1 1	22 1 10 1 9  16 13 1 2 3	3 1	7 8 1 1	1

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

California—San Diego.—Month of February, 1910. Population, 45,000. Total number of deaths from all causes, 53, including diphtheria 1, tuberculosis 9. Cases reported: Typhoid fever 1, measles 29.

FLORIDA.—Reports to the state board of health for the week ended March 12, 1910, show typhoid fever present at 2 localities with 3 cases, smallpox in 2 counties (Duval and Volusia) with 4 cases, diphtheria at 2 localities with 3 cases, tuberculosis at 6 localities with 9 cases.

Pensacola.—Month of February, 1910. Population, 35,000. Total number of deaths from all causes 41, including typhoid fever 1, diphtheria 1.

Illinois—Alton.—Month of February, 1910. Population, 22,000. Total number of deaths from all causes 24, including tuberculosis 2.

Kansas.—Month of January, 1910. Population, 1,703,002. Total number of deaths not reported. Deaths from contagious diseases: Typhoid fever 20, measles 4, scarlet fever 20, diphtheria 23, tuberculosis 60. Cases reported: Typhoid fever 122, smallpox 441, measles 577, scarlet fever 291, diphtheria 182, tuberculosis 283.

Kentucky—Louisville.—Month of February, 1910. Population, 269,749. Total number of deaths from all causes 323, including typhoid fever 2, scarlet fever 1, diphtheria 3, tuberculosis 56. Cases reported: Typhoid fever 3, scarlet fever 17, diphtheria 14.

LOUISIANA—Shreveport.—Month of February, 1910. Population, 30,000. Total number of deaths from all causes 61 (residents 39, nonresidents 22), including typhoid fever 1, smallpox 2, tuberculosis 11 (residents 5, nonresidents 6).

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Massachusetts.—Week ended December 4, 1909. Population of reporting towns, 2,379,468. Total number of deaths from all causes 643, including typhoid fever 9, measles 1, diphtheria 20, tuberculosis 64.

Week ended December 11, 1909. Total number of deaths from all causes 674, including typhoid fever 8, scarlet fever 3, diphtheria 21, tuberculosis 59.

Week ended December 18, 1909. Total number of deaths from all causes 714, including typhoid fever 7, measles 2, diphtheria 16, tuberculosis 86.

Week ended December 25, 1909. Population 2,351,545. Total number of deaths from all causes 711, including typhoid fever 3, measles 6, scarlet fever 4, diphtheria 21, tuberculosis 65.

NEBRASKA—Lincoln.—Month of February, 1910. Population 65,000. Total number of deaths from all causes 38, including tuberculosis (pulmonary 1). Cases reported: Smallpox 1, scarlet fever 7, diphtheria 1.

NORTH CAROLINA—Charlotte.—Month of February, 1910. Population 45,455. Total number of deaths from all causes 39, including typhoid fever 1, measles 1, tuberculosis 3, pellagra 2.

OREGON.—Month of September, 1909. Population, 505,339. Total number of deaths from all causes 492, including typhoid fever 16, scarlet fever 3, diphtheria 7, tuberculosis 38. Cases reported: Typhoid fever 148, smallpox 13, measles 18, scarlet fever 29, diphtheria 40, tuberculosis 28.

Month of October, 1909. Total number of deaths from all causes 478, including typhoid fever 18, scarlet fever 1, diphtheria 8, tuberculosis 45. Cases reported: Typhoid fever 171, smallpox 21, measles 19, scarlet fever 69, diphtheria 64, tuberculosis 21.

Month of November, 1909. Total number of deaths from all causes 481, including typhoid fever 25, scarlet fever 1, diphtheria 6, tuberculosis 42. Cases reported: Typhoid fever 192, smallpox 29, measles 25, scarlet fever 68, diphtheria 57, tuberculosis 17.

Month of December, 1909. Total number of deaths from all causes 433, including typhoid fever 20, scarlet fever 1, diphtheria 5, tuberculosis 34. Cases reported: Typhoid fever 219, smallpox 28, measles 25, diphtheria 58, tuberculosis 14.

Pennsylvania.—Reports to the state department of health for the month of February, 1910, show 15,637 cases of contagious diseases distributed as follows: Typhoid fever 580, smallpox 41, measles 7,108, scarlet fever 1,384, diphtheria 985, tuberculosis 1,068.

RHODE ISLAND.—Months of September and October, 1909. Population, 521,302. Number of deaths not reported. Cases of contagious diseases reported: Typhoid fever 129, measles 51, scarlet fever 148, diphtheria 127.

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TEXAS.—Month of January, 1910. Population, 3,048,710. Total number of deaths from all causes 1,700, including typhoid fever 37, smallpox 4, measles 2, scarlet fever 5, diphtheria 30, tuberculosis 204.

Fort Worth.—Month of February, 1910. Population, 60,000. Total number of deaths from all causes 91 (residents 70, nonresidents 21), including typhoid fever 2, smallpox 2, diphtheria 1, tuberculosis 7. Cases reported: Typhoid fever 9, smallpox 20, measles 72, scarlet fever 1, diphtheria 4, tuberculosis 7.

UTAH—Salt Lake City.—Month of February, 1910. Population, 85,000. Total number of deaths from all causes 85, including scarlet fever 2, tuberculosis 11. Cases reported: Smallpox 19, measles 9, scarlet fever 78, tuberculosis 1 (incomplete).

## FOREIGN AND INSULAR.

#### CHINA.

#### Hongkong-Smallpox-Inspection of Vessels.

Passed Assistant Surgeon Foster reports, February 9 and 14: Weeks ended February 5 and 12. Restrictions enforced by and against Hongkong remain as reported January 2.

Week ended February 5. One case of smallpox reported.

#### INSPECTION AND DISINFECTION OF VESSELS.

#### Week ended February 5.

Vessels granted bills of health	
Total members of crews	
Total cabin passengers	• • • • • • • • • • • • • • • • • • • •
Total steerage passengers	
Members of crew bathed	• • • • • • • • • • • • • • • • • • • •
Steerage passengers bathed	• • • • • • • • • • •
Pieces of baggage disinfected	
Vessels disinfected to kill rats	
Crews' quarters disinfected:	
With formaldehyde	
With sulphur	
•	
Week ended February 12.	
Vessels granted bills of health	
Total members of crews	
Total cabin passengers	
Total steerage passengers	
Members of crew bathed	
Steerage passengers bathed	
Pieces of baggage disinfected	
Vessels disinfected to kill rats.	
Crews' quarters disinfected:	• • • • • • • • • • • • • • • • • • • •
With formaldehyde	

#### Shanghai-Inspection of Vessels-Smallpox.

Acting Assistant Surgeon Ransom reports, February 8:

Week ended February 5. Supplemental bills of health issued to 4 steamships, having an aggregate personnel of 1,682. Vessels inspected, 3; members of crews and steerage passengers inspected, 376 and 413, respectively; steerage passengers bathed, 83; pieces of baggage disinfected with steam, 194.

The weekly report of the municipal health officer shows 2 deaths from smallpox among natives. A high mortality from scarlet fever

is reported.

#### CUBA.

#### Cienfuegos-Inspection of Vessels.

Acting Assistant Surgeon Suarez reports, March 9:

Week ended March 5. Vessels inspected 5, bills of health issued 5, members of crews of outgoing vessels inspected 193, passengers landed 49, passengers in transit 87.

No quarantinable disease reported.

#### Habana-Inspection of Vessels.

Acting Assistant Surgeon Villoldo reports, March 15:

Week ended March 12. Bills of health issued 29, vessels inspected 24, members of crews of outgoing vessels inspected 1,223, passengers of outgoing vessels inspected 1,250.

The department of sanitation reports 24,641 houses inspected and 13,382 water deposits petrolized or suppressed during the period from

March 1 to 10.

No quarantinable disease was reported during the week.

#### Matanzas-Inspection of Vessels.

Acting Assistant Surgeon Nuñez reports, March 14:

Week ended March 12. Bills of health issued to 6 vessels bound for United States ports.

No quarantinable disease reported.

#### ECUADOR.

#### Guayaquil-Inspection of Vessels.

Passed Assistant Surgeon Parker reports, February 21:

Week ended February 19. Bills of health issued 3, vessels fumigated 3, members of crews inspected 223, cabin passengers inspected 58, steerage passengers inspected 34, baggage inspected 76 pieces, certificates of inspection of hides issued 1, and for cotton 1.

#### HAWAII.

#### Honolulu-Plague-prevention Work.

Passed Assistant Surgeon Ramus reports, February 21 and 28: The last case of human plague occurred at Honolulu July 17, 1907. The last plague-infected rat was found at Aiea, 9 miles from Honolulu, August 22, 1907.

#### Week ended February 19, 1910.

Week ended February 13, 1310.	
Total rats taken.	501
Trapped	501
Found dead	0
Examined bacteriologically	394
Plague rats	0
Classification of rats trapped:	
Mus alexandrinus	102
Mus musculus	174
Mus norvegicus	39
Mus rattus.	185
Average number of traps set daily	1, 338
Week ended February 26, 1910.	
<i>v</i> .	
Total rats taken	488
Trapped	443
Found dead	0
Shot from trees	4
Killed by sulphur dioxide	41
Examined bacteriologically	362
Plague rats	0

Classification of rats trapped:	
Mus alexandrinus	48
Mus musculus	191
Mus norvegicus	
Mus rattus	. 178
Classification of rats from trees:	
Mus rattus	. 3
Classification of rats killed by sulphur dioxide:	
Mus alexandrinus	
Mus rattus	
Average number of traps set daily	1,338

#### Plague at Hilo and Honokaa.

Doctor Ramus reports:

March 19. One death from pneumonic plague occurred to-day at Hilo. Total deaths since date of outbreak, at Hilo 3, at Honokaa 2. March 22. One plague death to-day at Hilo.

#### INDIA.

### Calcutta-Cholera, Plague, and Smallpox-Fumigation of Vessels.

Acting Assistant Surgeon Allan reports, February 17:

Week ended February 5. At Calcutta there were 66 deaths from cholera, 13 from plague, and 2 from smallpox; in all Bengal, 1,956 cases of plague with 1,601 deaths; in all India, 16,278 cases of plague with 11,144 deaths.

Week ended February 12. Bills of health issued to steamships Scharzfels, bound for Philadelphia and New York, and Wildenfels, bound for Boston and New York. The holds of these vessels were fumigated, rats guards placed on wharf lines, and effects of Asiatics disinfected.

#### ITALY.

#### Naples-Examination of Emigrants-Smallpox.

Surgeon Geddings reports, February 28:

#### Vessels inspected at Naples and Palermo week ended February 26.

#### NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage inspected and passed.	Pieces of baggage dis- infected.
Feb. 22 23 24 26	Re d'Italia	New York	471 862 1,236	42 90 80	750 1,150 1,650
26 26	Celtic Florida	do	1,780 861	160 50	2,850 1,100
	Total		5, 210	422	7, 500

Feb. 23	Re d'Italia	New York	379	650	20

March 25, 1910 38 0

#### Rejections recommended.

#### NAPLES.

6	2 16 6 23 9 34
	0 39
30 3	4 21
_	

Smallpox in Naples.—During the week ended February 27, 21 cases of smallpox were reported at the health office of the city of Naples.

#### JAPAN.

### Yokohama—Inspection of Vessels.

Surgeon Irwin reports, February 21:

Week ended February 19. Vessels inspected: Steamships Siberia for Manila, crew 282, cabin passengers 86, steerage passengers 248; Welsh Prince for New York, crew 39, cabin passengers 5; Prinz Waldemar for Manila, crew 104, cabin passengers 1; Inaba Maru for Seattle, crew 97, cabin passengers 18, steerage 44; Tenyo Maru for San Francisco, crew 259, cabin passengers 75, steerage passengers 212; Tacoma Maru for Manila, crew 69, cabin passengers 2, steerage passengers 8; St. Patrick for New York, crew 46; Minnesota for Seattle, crew 269, cabin passengers 43, steerage passengers 24; Amiral Exelman for San Francisco, crew 46, cabin passengers 1.

According to press reports 3 cases of plague have occurred in Köbe since January 1 and more than 200 plague-infected rats have been found.

Smallpox is reported at Tie-ling, Manchuria.

#### Kobe-Inspection of Vessels.

Acting Assistant Surgeon Smith reports, February 23:

Week ended February 19. Supplemental bills of health granted to 7 steamships. Members of crews inspected, 923; steerage passengers inspected, 285; members of crews and steerage passengers bathed, 62 and 14, respectively (effects disinfected); pieces of baggage steamed 171 and bedding 28; manifests viséed for 58,245 pieces of freight amounting to 5,359 tons.

Emigrants per steamship *Inaba Maru* for Seattle, passed 9. The emigrants passed together with 5 intending passengers to Victoria inspected and bathed and their effects disinfected. All emigrants

were held at Ono quarantine station seven days.

381 March 25, 1910

#### Nagasaki-Examination of Emigrants.

Sanitary Inspector Bowie reports, February 19:

Emigrants passed: Per steamship Korea for Manila, January 28, 6; per steamship Nikko Maru, February 10, 12; per steamship Siberia,

February 16, 3.

Supplemental bills of health were issued to the vessels named. The vessels carried a total of 891 passengers and 656 members of crews. The steamships *Mongolia* and *Tenyo Maru* for San Francisco and *Minnesota* for Seattle, having a total of 601 passengers and 796 members of crews, also received bills of health.

#### 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 president of the Superior Board of Health of Mexico reports, March 14, that no case of yellow fever and no death from the said disease were registered in the Mexican Republic during the week ended March 12, and that the prophylactic measures reported under date of September 28, 1908, continue to be carried out.

#### Coatzacoalcos-Inspection of Vessels.

Acting Assistant Surgeon Thompson reports, March 10:

Vessels inspected: March 4, steamship Texan with 46 in crew for Delaware Breakwater; March 5, steamships Westphalia with 35 in crew, for Norfolk, Sokoto with 53 in crew and 29 passengers, for Norfolk, Senator with 40 in crew, for a port in the United States via Mexican ports; March 6, steamship Coroni with 31 in crew, for Newport News.

PANAMA.

#### Fatal Yellow Fever Cases from Steamships.

In communications dated respectively March 5 and 8, Col. W. C. Gorgas, chief sanitary officer for the Canal Zone, gives the following information relative to two fatal cases of yellow fever occurring, but

not originating on the Isthmus:

March 5.—A death from yellow fever occurred at Ancon hospital January 24. The history of the case shows that the patient was a nonimmune who arrived at Colon on the steamship Barbadian January 6, and proceeded to Panama on the same date. He was admitted to hospital January 19, having been sick since January 8. The Barbadian was from Liverpool via West Indian and Colombian ports and had been at Cartagena, Colombia, January 4 and 5. On both dates the patient went ashore.

March 8.—A death from yellow fever occurred at the quarantine station on Culebra Island March 8. The case was taken from the steamship *Huallago* on arrival at quarantine March 1. The patient had come direct from Guayaquil where he had been for the ten days

preceding his embarkation for Panama.

No yellow fever has been reported at Cartagena since the week ended January 14, 1909, during which 1 fatal case occurred.

#### RUSSIA.

#### Plague, Smallpox, and Typhus Fever-Examination of Emigrants.

Acting Assistant Surgeon De Forest at Libau reports, February 28 and March 7:

Week ended February 27. Smallpox.—At Libau 1 case occurred

and at St. Petersburg 55 deaths.

Typhus fever.—Dorpat 1 case, Kurland 5 cases, Libau 1 case, Riga 167 cases with 16 deaths. There are 343 cases present at Riga and the epidemic is spreading.

For the steamship Birma, sailing March 1, 847 emigrants were examined and 120 pieces of baggage disinfected with formaldehyde.

March 7. Plague.—Twenty deaths were reported from 3 localities in the government of Astrakhan. At one of the localities referred to (Bodai) 9 new cases were reported March 1.

The steamship Birma sailed for New York March 1 with 845 passengers and a crew of 100 members. All on board had been in Libau for 5 days under observation. Pieces of baggage disinfected, 100.

#### VENEZUELA.

#### La Guaira-Inspection of Vessels.

Acting Assistant Surgeon Kellogg reports, February 27:

Week ended February 26. Vessels inspected: February 22, steamship *Philadelphia* for San Juan, crew 63, passengers taken on at this port 14. February 23, steamship *Versailles* for Colon, crew 148, passengers in transit 49, passengers taken on at this port 7. Baggage inspected, 11 pieces.

No quarantinable disease was reported at La Guaira or Maiguetia.

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

#### Reports Received During Week Ended March 25, 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.
India:				
_ Calcutta	Jan. 27-Feb. 5		66	
Java: Batavia	Jan. 27-Mar. 5	1		Among natives.
Siam:	van. 2, mar. 0	-		
	Dec. 26-Jan. 12	6	6	
	YELLOW	FEVE	R.	
	YELLOW	FEVE	R.	
Brazil:				
Manaos	Feb. 13–26		12	
Manaos Para	Feb. 13–26 Feb. 19–26.	8	12 6	
Manaos Para	Feb. 13–26	8	12	
Manaos	Feb. 13-26	8	12 6	
Manaos	Feb. 13–26 Feb. 19–26.	8	12 6	At Ancon hospital from s. :
Manaos. Para. Pernambuco. Panama: Canal Zone— Ancon.	Feb. 13-26	8	12 6	At Ancon hospital from s. : Barbadian . At Culebra quarantine statio

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

### Reports Received During Week Ended March 25, 1910.

#### PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay	Feb. 9-15		63	
Calcutta	Jan. 27-Feb. 5	<u></u> -	13	
Karachi	Feb. 6-12	55	53	
Rangoon	Jan. 27-Feb. 5		4	
Hilo	Mar. 19-22	2	2	
Russia:		-	-	
Astrakhan, government	Feb. 21-27		20	
Bodai	Mar. 1	9		
furkey in Asia:	l	İ		
Jiddah	Feb. 4-27	3	3	
Zanzibar	Nov. 9-17	2	2	

#### SMALLPOX.

	SMAL	LFUX.		
Argentina:				
Buenos Aires	Dec. 1-31		69	
China:	- 00: - 02:::::::			į
Amoy	Jan. 27-Feb. 5	i .	1	
Hankow	Jan. 27-Feb. 5			Present.
Hongkong	Feb 5	i		
Shanghai	Feb. 5 Feb. 2-8	1 -	2	
	Teb. 2-0	1	_	
Egypt: Cairo	Feb. 12-18	1 1		j
France:	Feb. 12-10			i e
Paris	Feb. 27-Mar. 5	8	!	ļ.
	Feb. 6-12		2	
Formosa	Feb. 13-Mar. 5		_	
Germany, general	red. 13-mar. 5	1 14		
Great Britain:	77-1- 10 00	1	l .	
London	Feb. 19-26			
Nottingham	Feb. 20-26	3	1	Į.
India:		İ		1
Bombay	Feb. 9-15		38	1
Calcutta	Feb. 6-12		2	
Karachi	Feb. 6-12	1		
Rangoon	Jan. 27-Feb. 5	<u>-</u> -	17	
[taly, general	Feb. 21-27	5		
Genoa	Feb. 14-28	2		l
Naples	Feb. 21-27	21		
Java:			l	
Batavia	Jan. 27-Feb. 5	1		
Korea:				
Fusan	Feb. 1-12	6	1	
Manchuria:				
Tieling	Feb. 19		<b>.</b> .	Do.
Mexico:				
Aguascalientes	Jan. 27-Feb. 5		3	
Chihuahua	Mar. 8-14	3	1	
Mexico.	Feb. 13-19		i	
Portugal:			- i	
Lisbon	Feb. 20-26	33		
Russia:		~		
Moscow	Feb. 13-19	25	8	
Riga	Feb. 7–26	9		
St. Petersburg	Feb. 13–19	49	16	
	Dec. 19-Jan. 8		50	
Warsaw	Dec. 12-18H. c	• • • • • •	30	
Biam: Bangkok	Jan. 16-22	4	3	
Bangkok	Jan. 10-22	* 1	3	
Siberia:	7 00.00		, ,	
Vladivostok	Jan. 22-28	1	1	
spain:		i	.	
Barcelona	Feb. 22-28		1	
Tarragona	Feb. 20-26		1	
Straits Settlements:		1	_	
Singapore	Jan. 22-Feb. 5		3	
		!		

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

#### Reports Received from January 1 to March 18, 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.]

#### CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Germany:				
Heydekrug Niedrung	Nov. 19-Dec. 4 Nov. 16-22			·
India:	Nov. 24-Feb. 8	į.	19	
Bombay	Nov. 14-Jan. 29		344	
Madras	Jan. 1-Feb. 4 Nov. 14-Jan. 22		2 41	
Rangoon			-21	
Batavia	Nov. 14-Jan. 15	387	111	
Norway: Friedershald	Dec. 31-Jan. 3	1	1	From a vessel from Riga.
Persia:	Dec. 1-15	36	22	
Philippine Islands: Manila	Nov. 7-Jan. 22	95	81	Third quarter, 1909. Cases 82
			, , , , , , , , , , , , , , , , , , ,	deaths 61.
Provinces				Third quarter, 1909. Cases 3,946 deaths 2,609.
Albay Bataan	Nov. 7-20 Nov. 7-Jan. 22	6 155	106	
Bohol	Nov. 7-Jan. 22	35	20	
Bulacan	Nov. 7-Jan. 1	32	27	
Camarines	Nov. 7-20 Nov. 21-Dec. 18	5 3	5 2	
Capiz Cavite	Nov. 7-Jan. 22	105	76	
Cebu	Nov. 7-Jan. 22	288	226	Nov. 20, 1 case on s. s. Yaptico.
Laguna	Dec. 19-25	4	4	
Leyte	Nov. 21-Jan. 15	36	32	
Misamis	Jan. 16-22	11 10	11 5	
Oriental Negros Pampanga	Nov. 7-20 Nov. 7-Jan. 22	157	124	
Rizal	Nov. 7-Jan. 22	îi	7	
Tarlac	Nov. 7-13	9	5	
Russia, general	Nov. 21-Jan. 29	440 22	203	
Baku, government Baku.	Nov. 21-Dec. 25 Nov. 21-Jan. 15	27	22 17	
Don, territory	Nov. 28-Jan. 29	19	12	
Ekaterinslav, government	Nov. 21-Jan. 1	23	7	
Jaroslav, government	Nov. 21-27		1	
Kaluga	Dec. 26-Jan. 1 Nov. 21-27	1 3	4	
Kostroma, government Kovna, government	Nov. 21-27	8	3	•
Kursk, government	Nov. 21-Dec. 11	6		
Moscow, government—				
Moscow	Nov. 29-Jan. 22	256	115	
Pskov, government	Nov. 21-27 Nov. 21-Dec. 18	10 14	12	
St. Petersburg, government. St. Petersburg	Nov. 21-Jan. 1	53	12	
Taurida, government	Nov. 21-Dec. 25	66	28	
Vitebsk, government	Nov. 21-27	2		
ಓam: Bangkok	Oct. 28-Dec. 25	6	6	
Siberia:		- 1	۱ "	
Vladivostok	Nov. 16-21	1		
Straits Settlements: Singapore	Dec. 19-Jan. 15	ŀ	4	
Sumatra:	1	i		
Palembang Turkey in Asia:	Sept. 20-Oct. 20	936	675	
Trebizond	Nov. 28	1		On a vessel from Batum.

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

## Reports Received from January 1 to March 18, 1910.

#### YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Manaos	Nov. 21-Feb. 12		36	
Para	Nov. 28-Feb. 19	58	46	
Ecuador:			1	
Babahoyo	Jan. 1-Feb. 15	4		
Guayaquil	Dec. 1-Feb. 15	107	31	
Peru:				
Callao	Nov. 2-Dec. 2	1	1	From s. s. Loa.
Mexico:		_	-	
Yucatan—	1		l i	
Merida	Dec. 20-21	1	1	
Santa Cruz de Bravo		ì	i	
Trinidad:			-	
Port of Spain	Nov. 28-Dec. 4	1	1	

#### PLAGUE.

	PLA	GUE.		
Arabia:	Jan. 21-23	1	1	From a
Brazil:			ł	from
Bahia	Nov. 20-Feb. 28	49	25	
Para			9	ļ
Pernambuco			21	
Rio de Janeiro			2	
Santos		5	3	One ca Dec.
Chile:				Dec.
Iquique	Feb. 12			Present
Taltal	Jan. 15	2	1	1
China:	1	l	1	I
Hankow	Nov. 27-Dec. 7	20	20	l
Hongkong	Nov. 21-27	1	1	1
Ecuador:			_	i
Babahoyo	Dec. 16-Feb. 15	18	6	i
Guayaquil	Dec. 1-Feb. 15		87	l
Milagro	Jan. 1-Feb. 15	15	3	ŀ
Egypt:		i	_	
Alexandria	Nov. 19-Dec. 15	3	2	Ì
Port Said	Nov. 30-Dec. 22	2	ī	ł
Provinces-	1101. 00 Da. 12			ł
Assiout	Sept. 29-Feb. 17	30	11	l
Beherach		ĭ		1
Beni Souef	Dec. 16-Feb. 17	19	8	l
		19	3	
Fayoum		3	1	
Galioobeh				
Garbieh		1	1	
Girgeh	Dec. 19-26		1	
Ghizeh	Dec. 19-Jan. 2	2		
Kena	Feb. 3		1	
Menouf			6	
Minieh	Dec. 21-27	3	1	
German East Africa:		_		
Mpwapwa	Sept. 19-Oct. 5	7	[	
Hawaii:			_	
Hilo			. 2	
Honokaa	Mar. 14-15	2	2	
India:		ł		
Bombay Presidency and Sind.	Nov. 7-Jan. 22	11,137	7,821	
Madras Presidency	Nov. 7-Jan. 22	1.011	705	
Rengel	Nov 7-Jan 22	8,109	6.509	
Timited macrimose	Morr 7 Ion 22	36,037	33,019	
United provinces	Nov 7-Jan 22	14,277	11,704	
Burma		898	766	
Central provinces, includ-	Nov. 7-Jan. 22	10,322	8,355	
ing Berar.	1101. 1-3411. 22	10,022	0,000	
Coorg	Nov. 14-27	5	1	
Mysore State	Nov 7-Ian 22	1,388	1,020	
Hydrehad State	Nov 7-Ion 22	1,366	1,020	
Hyderabad State Central India	Mov 7-Ion 99	850	638	
Dainutone and Aime- Ma-	Nov. 7-Jan. 22 Nov. 7-Jan. 22			
Rajputana and Ajmer-Mer-	14UV. 1-J&II. 22	4, 157	3,674	
wara.	Nov. 7-Jan. 22	165	110	
Kashmir	14UV. 7-JBII. 22	100	110	
Grand total		88,511	74,448	
GIANU WWI	••••••	00,011	17,770	

From an Austrian mail steamer from Bombay.

One case from bark Amazone, Dec. 1.

Present in endemic form.

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

#### Reports Received from January 1 to March 18, 1910.

#### PLAGUE-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indo-China:				
_ Saigon	Nov. 7-Dec. 25	5	4	
Japan:	l		1	
Kobe	Nov. 28-Feb. 12	24	20	1
Shikoku Island	Jan. 30-Feb. 5	1		1
Paraguay	Dec. 10	j <b></b>	30	In the northern part.
Peru:	ł .	ı	l	_
Arequipa, department	Dec. 10-16	1	l	
Mollendo	Dec. 20-Jan. 1	1		
Callao, department—	i	1		
Callao	Jan. 17-25	3		
Lambayeque, department	Oct. 1-Dec. 16	39	13	
Libertad, department	Nov. 19-Dec. 16	32	3	
Lima, department	Oct. 22-Dec. 16	10	6	
Russia:		1	1	
Astrakan, government	Dec. 5-Feb. 20	114	105	50 miles south of Beiskulak.
Naourzali-Tchagil	Jan. 17-Feb. 2	26	26	
Beiskulak	Dec. 10-16	18	16	
Dschedda	Jan. 7			Present.
Libau	Dec. 3-9	1	1	
Uralsk, district	Nov. 25-Jan. 12	208	202	
Siam:				
Bangkok	Oct. 28-Nov. 27	5	5	
straits Settlements:	000.20 1101121111	, , ,		
Singapore	Dec. 25-Jan. 1	2	2	
Curkey in Asia:	200. 20 Jun. 1	- 1	-	
Beirut	Nov. 29-Dec. 14	3		
Jiddah	Jan. 5-Feb. 3	5	4	
enezuela:	Juli 0 - 1 30. J	•	7	
Puerto Cabello	Feb. 24	2		

#### SMALLPOX.

		,		
Algeria, general	Dec. 1-15	. 22		
Algiers	Nov. 1-Jan. 31		3	
Bona	Dec. 1-Jan. 31		ğ	1
Argentina:	260. I-Jan. 31			
Buenos Aires	Oct. 1-Nov. 30	1	16	1
Austria:	Oct. 1-Nov. 30		10	1
Galicia	Jan. 1-29	3	1	1
	Jan. 9-29			
Vienna	Jan. 9-29	.] 2		1
Brazil:	37. aa 7. aa	1		
Bahia	Nov. 20-Jan. 28		135	}
Pernambuco	Oct. 16-Dec. 31		161	
Rio de Janeiro	Nov. 2-Feb. 13	23	1	
Sao Paulo	Nov. 1-21		2	ĺ
Canada:		1	ł	
British Columbia—		ł	1	
Vancouver	Jan. 1-31	3	l	
Nova Scotia-		1		
Halifax	Dec. 19-Mar. 5	1 3		
Windsor	Dec. 1-Jan. 31			
Chile:	200. 1 04 01	1 -0		
Antofagasta	Jan. 1			Present. Feb. 12, 8 cases in laz-
				aretto.
Quillota	Nov. 28-Dec. 4	ì		Present.
Valparaiso	Nov. 20-Jan. 1			Do.
China:	NOV. 20-384. 1			ъ.
Amoy	Nov. 28-Jan. 15		6	
Canton	Dec. 12-Jan. 29		3	
Chang Chaup			3	D
Chang Cheun	Dec. 11			Do.
Chio Be	Dec. 11			Do.
Hankow	Jan. 2-15	1	1	Dec. 19-Jan. 29, present among
			_	natives.
	Nov. 1-Jan. 30	1	7	Deaths among Chinese.
Cuba:				
Habana	Dec. 3-9	1		From s. s. La Navarre.
Ecuador:				•
Guayaquil	Jan. 1-31	3		
Sgypt, general	Nov. 5-Jan. 21	562	150	
	Nov. 5-Jan. 21	20	19	
Cairo	Nov. 26-Feb. 11	12	3	
rance:			-	
Nantes.	Jan. 1-31	1		
	Dec. 5-Feb. 12	33	· · · · · i l	
	200.0 100.10	1 00.1		

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

## Reports Received from January 1 to March 18, 1910.

#### SMALLPOX-Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Germany, general	Dec. 5-Feb. 12	. 65		
Great Britain:	. Dec. 12-Jan. 15	1	2	In vicinity.
Bristol	. Feb. 6-12	1 1		
Greenock Hull	Feb. 6–12 Jan. 16–22	1 2		
Liverpool	Dec 19-Feb 5	I 0		
London Newcastle-on-Tyne	Nov. 28-Feb. 18 Feb. 13-19 Jan. 16-22.	. 19		
Newcastle-on-Tyne	. Feb. 13-19	3		1
NottinghamPlymouth	Nov. 12-18			
Southampton	Nov. 12-18 Nov. 12-18	. i		]
	. Feb. 13–19	. 1		
Greece: Athens	Nov. 22-Feb. 19	. 4	15	•
Hawaii:	1101. 22 1 00. 10	1 *	1	
Honolulu	. Jan. 31-Feb. 4	. 3	1	2 cases Jan. 31 from U.S.S. Wash ington from Yokohama. 1 case Feb. 2 on s. s. Makura.
India:				2 000 2 00 00 22 22 22
Bombay	Nov. 24-Feb. 8 Nov. 14-Jan. 29		. 135	
Calcutta	Jan. 2-15	5	. 8	
Madras	.  Dec. 18–Jan. 21		. 3	
Rangoon	Nov. 20-Jan. 29		. 38	
Indo-China: Saigon	Dec 7 12	. 1	1	
Italy, general	Dec. 7-13 Nov. 29-Feb. 20	219		
Italy, general	.  Dec. 1-Feb. 15	17	1	'
Milan Naples	Jan. 1-16	1 1		
Napies	Dec. 6-Feb. 20	183	37	
Kobe	Dec. 12-25	1	1	
Java:	1	7	1 1	
Batavia Liberia:	Dec. 12-Jan. 29	1	1	
Monrovia	Nov. 28-Dec. 4	6		
Valetta	Dec. 12-Jan. 15	3	1	
Aguascalientes	Dec. 12-Feb. 26		27	
Chihuahua	Dec. 13-Feb. 28	11	7	
GuadalajaraMexico	Jan. 29-Feb. 18 Nov. 14-Feb. 5		5 15	
Monterey	Nov. 14-Feb. 5 Nov. 13-Feb. 20 Feb. 13-19		2	
Veracruz	Feb. 13-19	1		
Netherlands: Rotterdam	Dec. 5-11	7	1	
Persia:	1	1		
Arabistan	Dec. 6-31 Nov. 15-Dec. 31			Present.
Hamadan	Nov. 15-Dec. 31 Dec. 6-31			Do. Do.
KurdistanSultanabad	Nov. 15			Do.
Teheran	Nov. 1-Dec. 2			Do.
Peru: Callao	Dec. 6-12			Do.
Philippine Islands:	1			
Manila	Nov. 14-Jan. 22	16		Third quarter, 1909—Cases, 5; deaths, 0.
Portugal:	D D			·
LisbonPorto Rico, general	Dec. 5-Feb. 19 July 1-Dec. 31	149 72	12	
Russia:	, and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second			
BatoumLibau	Dec. 1–31 Dec. 6–Feb. 13	5 28		
Moscow	Nov. 21-Feb. 12	135	45	
Odessa	Nov. 21-Feb. 12 Nov. 21-Feb. 19	230	60	
Riga	Dec 5-Feb 12	34		Oct. 1-Nov. 30, 17 deaths.
St. Petersburg	Nov. 28-Feb. 16 Oct. 24-Dec. 11	504	152 100	
iam:		•••••	100	
Bangkok	Nov. 28-Dec. 25	1	1	•
iberia: Vladivostok	Jan. 15-21	1	1	•
pain: Almeria	Nov. 1-Dec. 31		10	
Barcelona	Dec. 14-Feb. 21		31	
Cadiz	Jan. 1-31		1	

## ${\bf CHOLERA,\ YELLOW\ FEVER,\ PLAGUE,\ AND\ SMALLPOX-Continued}.$

### Reports Received from January 1 to March 18; 1910.

#### SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Spain—Continued.				
Huelva			17	
Madrid	Dec. 1-Jan. 31		59	
Seville	Dec. i-Jan. 31		10	
Valencia	Jan. 9-Feb. 19	4		
Vigo	Jan. 23-29		1	
Pripoli:		1	_	
Tripoli	Nov. 14-Dec. 25	242	24	
Curkey:				
Constantinople	Jan. 2–Feb. 6		2	
Curkey in Asia:			-	
Bagdad	Nov. 21-Jan. 31			Present.
Salonica			3	***************************************
Smyrna	Nov. 5-Dec. 31		42	
Jruguay:	1.01.0-20.01		74	
Montevideo	Oct. 1-Dec. 31		36	

## MORTALITY.

#### WEEKLY MORTALITY TABLE, FOREIGN AND INSULAR CITIES.

	:						:	Deat	hs fr	om-	-			
Cities.		Estimated population.	Total deaths from all causes.	Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	Feb. 26	185, 703	47								1	2		
Aguascalientes	Mar. 5	40,000	58					3	2		1			2
Aix la Chapelle	Feb. 19	161,673	48	2			l						1	1
Amsterdam	Feb. 26	568, 131	172	27									2	1
Antwerp	Feb. 19	326, 351	81	10						2		1	1	1
Barcelona	Feb. 28	591,272	360	32				1		6		6	1	
Barranquilla	Feb. 19	40,000	20	1	• • • •	• • • •			• • • •	1				
Do	Feb. 26		15							2				
Belfast	do	391, 167	140	27				• • • •			1	1	[ <u> </u>	14
Belgrade	Jan. 9	80,000									:-	2		• • • •
Do	Feb. 5 Feb. 26						• • • •		••••		1	3		• • • •
BergenBerlin	Feb. 26 Feb. 12	87,749	20	2						:-		1	:-	4
Do		2, 121, 213	536	93			• • • •			1	5	11	6	7
Birmingham	Feb. 19 Feb. 26	************	563	85						1	7	14	5	9
Do	Feb. 26 Mar. 5	558, 336	169		• • • •		••••				2	2		4
Bombay	Feb. 15	977, 822	181		- ::-			-22-			3	• • • •	:-	• • • •
Bordeaux	Jan. 29		690	46	63	• • • • •		38		··;·		• • • • •	1	• • • •
Do	Feb. 5	253,000	125 111	17 12						1		• • • •		<del>-</del>
Do	Feb. 12		105	19	••••							;		
Do	Feb. 19	• • • • • • • • • • • • • • • • • • • •	130	12		••••						- 1		• • • ;
Do	Feb. 26		128	17					• • • •	2	i	··i·		ī
Bradford.	do	295, 865	80	5	••••			••••		-	- 1	- 1		• • • •
Bremen.	do	235, 648	55	14	}					••••	••••	il		••••
Bristol	Mar. 5	382.550	99	4						• • • • •		- 1	4	
Brussels	Feb. 26	562, 895	218	21						· · ·	i	''i'	3	···i
Budapest	Feb. 19	804, 200								- 1	7	- 1	2 2	3
Do	Feb. 26									1	il		5	ĭ
airo	Feb. 18	677, 663	385	26					10	4		8	5	
Do	Feb. 25		379	24					11	1		11	4	
alcutta	Feb. 5	847.796	614	48	13	66		2					4	
hemnitz	Feb. 19	279, 847	70	12							1	1		
Do	Feb. 26		77	9							1			
hihuahua	Mar. 14	37.000	19	2				1	. <b></b> j.	]	. <b></b>		11.	
hristiana	Feb. 26	236,000	58	9								1		
ologne	do	476, 205	126	16		• • • •				ا-ي-،	1	2		2
olombo	Feb. 5	187, 564	120	12	••••					5	٠- : -			· • • •
onstantinople	Feb. 27	1.000.000	243	30		- 1	- 1	- 1	- 1	6	1 1	- 1	1 1	

## MORTALITY—Continued.

## Weekly mortality table, foreign and insular cities—Continued.

	1			1					, .			-		
	-							Deat —	hs fr	om–	_	_		
Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Copenhagen Do. Dresden Do. Do. Dublin Do. Do. Do. Do. Do. Do. Do. Do. Do. Do.	Feb. 12 Feb. 19 Feb. 26 Feb. 26 Feb. 19 Feb. 26 Feb. 19 Feb. 26 Feb. 19 Feb. 26 Feb. 19 Feb. 28 do Feb. 19 Feb. 28 do Feb. 19 Feb. 28 do Feb. 19 Feb. 28 do Feb. 19 Feb. 28 do Feb. 19 Feb. 28 do Feb. 19 Feb. 26 do Feb. 19 Feb. 27 Feb. 19 Feb. 28 do Feb. 19 Feb. 26 do Feb. 19 Feb. 26 do Feb. 19 Feb. 26 do Feb. 19 Feb. 26 do Feb. 19 Feb. 26 do Feb. 12 Feb. 19 Feb. 26 do Feb. 12 Feb. 26 Feb. 12 Feb. 12 Feb. 26 Feb. 12 Feb. 12 Feb. 12 Feb. 12 Feb. 12 Feb. 12 Feb. 12 Feb. 12 Feb. 26 Feb. 12 Feb. 12 Feb. 12 Feb. 12 Feb. 12 Feb. 12 Feb. 13 Feb. 26 Feb. 12 Feb. 12 Feb. 12 Feb. 12 Feb. 12 Feb. 12 Feb. 13 Feb. 12 Feb. 12 Feb. 13 Feb. 14 Feb. 15 Feb. 00  552, 200  394, 525  170, 206  60, 244 360, 276 372, 000  38, 884 165, 475 872, 021 164, 000  895, 804 132, 430  280, 006 130, 000 380, 717 243, 200 10, 000 490, 985 590, 329 86, 767 176, 893  767, 606  7, 537, 196 500, 000 253, 710  52, 000 631, 533 186, 307 400, 000 900, 000 100, 000 100, 000 100, 000 100, 000 100, 000 100, 000 100, 000 100, 000 100, 000 100, 000 100, 000 100, 000 100, 000 100, 000 100, 000 100, 000 100, 000 100, 000 100, 000 100, 000 100, 000 100, 000 1161, 908 88, 337 1, 500, 000  576, 000 161, 908 281, 584 8, 000 260, 000 2323, 500 185, 000	150 121 160 159 239 2117 457 6 6 103 102 257 100 153 445 55 241 61 56 55 145 160 34 55 257 100 135 141 160 34 53 257 1,951 161 83 257 1,951 161 83 257 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951 1,951	15 13 221 43 29 33 34 4 4 10  5  8 3 28 12 12 13 13 9 9 24 22 8 3 3 3 1 4 1 2 1 2 1 2 1 3 1 3 1 2 1 2 1 3 1 2 1 2	533		5 7 7	1 2 5 8	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 4 1 1 2 2 2 1 1 1 1 1 1 4 1 6 3 3 9 9 2 1 1	1 1 3 5 5 2 2 2 1 1 1 1 2 3 3 1 1 1 1 1 3 3 4 4 1 1 5 7 7 7 7 7 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 5 2 7 7 29 2 5 5 5 1 1 1 1 3 2 2 21 1 1 1 3 2 2 1 1 1 1 3 2 2 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Paris.  Do.  Do.  Do.  Port Elizabeth.  Do.  Port Said.  Prague.  Progreso.	Feb. 26 Jan. 29 Feb. 12 Feb. 26 Mar. 5 Feb. 12 Feb. 19 Feb. 25 Feb. 26 Mar. 5 Mar. 12	185,000 2,776,394 32,959 53,711 233,649 4,500 81,000	1.054	11 192 196 207 202 1 2 2 32 1			6	2 3		3	2	2 7 4 9	20 21 28 22 1	3 8 14 7

#### MORTALITY-Continued.

#### Weekly mortality table, foreign and insular cities—Continued.

Cities.			•	Deaths from—											
	Week ended—	Estimated population.		Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.	
Rangoon Rome. Do Rotterdam St. John, N. B St. Petersburg. Santa Cruz de Teneriffe. Schiedam Sheffield Do Singapore Do Southampton Stettin Tarragona Vienna Vienna Vigo. Vladivostok Warsaw Do Do Yokkaichi Yokohama	Feb. 5 Oct. 23 Oct. 30 Mar. 5 Mar. 5 Mar. 19 Feb. 26do Mar. 5 Jan. 28 Feb. 5 Mar. 8 Feb. 26do Jan. 28 Dec. 25 Jan. 1 Jan. 8 Feb. 2 Feb. 21	252, 155 559, 715 418, 408 40, 711 1, 678, 000 46, 000 31, 568 472, 000 271, 060 127, 157 239, 000 2, 085, 888 40, 000 85, 004 764, 054	168 152 180 108 293 10 123 109 213 238 31 649 16 13 293 281 293 281	6 24 19 3 153 3 1 14 14 222 333 4 6 6 6 6 1 45 48 3	4			16  1 2  1 15 18 17	1 3	20 20 1  1 2 1	18 15 1 3 5 9	1 18 1 2 1 5 6 2	2 45 17  8 7 6 1	122	

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

ARGENTINA—Buenos Aires.—Month of December, 1909. Population, 1,242,278. Total number of deaths from all causes 1,862 including typhoid fever 18, smallpox 69, measles 9, scarlet fever 3 diphtheria 14, tuberculosis 174.

Brazil—Pernambuco.—Two weeks ended January 15, 1910. Population, 210,000. Total number of deaths from all causes 336, including typhoid fever 2, smallpox 44, tuberculosis 44.

FORMOSA.—Three weeks ended January 29, 1910. Population, 3,108,723. Total number of deaths not reported. Two deaths from typhoid fever and 3 from diphtheria reported.

France—Toulon.—Month of February, 1910. Population, 101,-602. Total number of deaths from all causes 133, including typhoid fever 1, scarlet fever 1, tuberculosis 12.

GREAT BRITAIN .- Week ended February 19, 1910:

England and Wales.—The deaths registered in 76 great towns correspond to an annual rate of 15.8 per 1,000 of the aggregate population, which is estimated at 16,713,617.

Ireland.—The deaths registered in 21 principal town districts correspond to an annual rate of 22.8 per 1,000 of the aggregate population, which is estimated at 1,151,790. The lowest rate was recorded in Galway, viz, 3.9, and the highest in Kilkenny, viz, 44.2 per 1,000.

391 March 25, 1910

Scotland.—The deaths registered in 8 principal towns, having an aggregate estimated population of 1,864,194, correspond to an annual rate of 17.7. The lowest rate was recorded in Paisley, viz, 10.6, and the highest in Greenock, viz. 34.7 per 1,000 of the population. The total number of deaths from all causes was 643, including typhoid fever 2, scarlet fever 5, measles 37, diphtheria 7, whooping cough 7.

ITALY—Genoa.—Two weeks ended February 28, 1910. Population, 279,163. Total number of deaths from all causes 227, including typhoid fever 1, scarlet fever 1, tuberculosis 24.

Jamaica—Kingston.—Month of February, 1910. Population, 56,000. Total number of deaths from all causes 129, including tuberculosis (pulmonary) 16.

MANCHESTER.—Two weeks ended February 26, 1910. Population, 244,636. Total number of deaths from all causes, 123, including measles 2, scarlet fever 2, diphtheria 3.

Malta.—Two weeks ended February 12, 1910. Population, 212,288. Total number of deaths from all causes, 196, including typhoid fever 13, tuberculosis 17.

SIAM—Bangkok.—Four weeks ended January 22, 1910. Population 600,000. Total number of deaths from all causes not reported. Cholera, 6 deaths, plague 5, smallpox 3.

South Africa—Johannesburg.—Two weeks ended February 5, 1910. Population, 180,687. Total number of deaths from all causes, 174, including typhoid fever 7, scarlet fever 1, diphtheria 1, tuberculosis 19.

Spain—Huelva.—Month of January, 1910. Population 24,000. Total number of deaths from all causes, 73, including diphtheria 1, tuberculosis 8.

TURKEY—Saloniki.—Month of January, 1910. Population, 170,000. Total number of deaths from all causes 70, including small-pox 3, tuberculosis (pulmonary) 1.

Turks Islands.—Two weeks ended March 5, 1910. Population, 1,800. Total number of deaths from all causes, 3. No deaths from contagious diseases.

URUGUAY— Montevideo.—Month of December, 1909. Population 321,224. Total number of deaths from all causes, 516, including typhoid fever 11, smallpox 24, measles 1, scarlet fever 1, tuberculosis 69.

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon-General,
and Mamine-Hoomital Servi