

PUBLIC HEALTH REPORTS.

UNITED STATES.

[Reports to the Surgeon-General United States Marine-Hospital Service.]

Smallpox in Humboldt County, Cal.

EUREKA, CAL., *February 2, 1902.*

SIR: I have to inform you that on January 27 I was called to see a man who had just arrived in this city from a lumber camp, about 40 miles distant, who was suffering from what his physician had called varicella, but who was really in the vesicular stage of discrete smallpox, having since shown slight secondary fever on the ninth day of the disease, with the characteristic pustulation. I have since ascertained through the Humboldt County health officer that 5 or 6 other cases have developed in the camp where this man came from, and 25 others at another camp about 25 miles distant from this city, all of whom are now quarantined either by city or county health authorities.

The city health department is making every effort to prevent the disease from becoming epidemic here. If any special instructions are necessary, please wire.

Respectfully,

B. Y. HARRIS,
Acting Assistant Surgeon, U. S. M. H. S.

Four cases of smallpox at Portland, Me.—Two imported.

PORTLAND, ME., *February 8, 1902.*

SIR: I have the honor to report that a case of smallpox was taken to the lazaretto at this station to-day. He left his vessel, a fishing schooner, on the afternoon of the 7th in Boston, went to Kennebunk, Me., spent the night at a hotel, and came to Portland to-day. Health officers in Kennebunk and Boston have been notified. The case is mild.

Respectfully,

S. D. BROOKS,
Surgeon, U. S. M. H. S.

PORTLAND, ME., *February 9, 1902.*

SIR: I have the honor to report that a case of smallpox was found in this city on the 31st ultimo. He had been employed about the Grand Trunk Railroad steamship dock. Source of contagion unknown. He was removed to the city pesthouse.

Respectfully,

S. D. BROOKS,
Surgeon, U. S. M. H. S.

PORTLAND, ME., *February 11, 1902.*

SIR: I have the honor to report that 2 cases of smallpox were found in this city on the 10th instant.

One man came from Durham, Me., four or five days ago, and states that he had been exposed there to a case from Winnepeg, Manitoba,

diagnosed chicken pox. The second man is a resident of this city. Occupation, longshoreman. Source of contagion unknown.

Precautions have been taken at both residences, and both men are at the city pesthouse.

Respectfully,

S. D. BROOKS,
Surgeon, U. S. M. H. S.

Inspection service at Vanceboro, Me., and vicinity.

VANCEBORO, ME., February 10, 1902.

SIR: I beg to report for week ended February 8, 1902, an inspection of about 500 passengers, of whom I vaccinated 48. Smallpox has developed in Bathurst, New Brunswick, under circumstances which would seem to render an epidemic unavoidable. It has also burst out afresh in Halifax and St. John. Lynnfield has developed nothing new since my last report.

The section of country around Bathurst gives us ordinarily a heavy second-class travel, and I aim to see that these are all vaccinated before being admitted.

Respectfully,

M. L. YOUNG,
Acting Assistant Surgeon, U. S. M. H. S.

Inspection service at Eastport, Me.

EASTPORT, ME., February 13, 1902.

SIR: I beg to submit the following report of work done at this inspection station during the week ended Thursday, February 13, 1902:

Vessels inspected.

Date.	Vessel.	From.	For.	Crew.	Passengers.	
					For Eastport.	In transit.
Feb. 7	Sch. Bees	St. John, New Brunswick.	Eastport	2		
Feb. 11	Ss. St. Croix	Boston	Eastport and St. John, New Brunswick.	61	18	25
Do.....	Ss. H. F. Eaton	Calais	Eastport	10	12	
Feb. 12	Ss. Aurora	St. John, New Brunswick.	Eastport and Grand Manan, New Brunswick.	8	2	5
Feb. 13	Ss. St. Croix .....	.....do	Eastport and Boston	61	8	22
Do.....	Ss. H. F. Eaton	Calais	Eastport	10	6	

St. John, New Brunswick, has at present 3 cases of smallpox. One new case developed in the infected district last Monday. The cases at Lynnfield, New Brunswick, are convalescing, and no new cases since my last report. No new cases of typhoid fever in Eastport.

Respectfully,

EDWARD M. SMALL,
Acting Assistant Surgeon, U. S. M. H. S.

A case of smallpox on the schooner George H. Ames at South Atlantic Quarantine Station.

SOUTH ATLANTIC QUARANTINE,
via Inverness, Ga., February 5, 1902.

SIR: In confirmation of my telegram of this date, I have to respectfully report the arrival at this station of the American schooner *George*

H. Ames, from Boston, and remanded here from Brunswick, with 1 case of smallpox on board.

The vessel sailed from Boston, January 28, bound for Brunswick, Ga. On the eighth day out the steward complained of having had a chill and of severe pains in back, head, and limbs, said all bones ached very much; he had high fever and was compelled to go to bed.

On the second day of his illness an eruption appeared on his face, and later spread over his body, and when this eruption appeared, his fever declined and pains ceased.

I boarded the vessel at about 2.30 p. m. to-day and found the man in bed with a typical case of smallpox, the eruption in the macular stage.

I will remove the sick man to the hospital and vaccinate all the crew of the vessel, and disinfect vessel.

All the crew, except 1 man, have scars showing that they have at some time been vaccinated, but none of them recently, except the captain, whose arm is barely well from a recent vaccination. I will, therefore, vaccinate everyone. All the crew were freely exposed to infection, as they were entirely ignorant of the nature of the disease and nothing was done to prevent its spread among them.

Upon the completion of the disinfection of the vessel, I will detain her in quarantine the period of incubation of smallpox, taking the temperatures of the men daily and separating all suspicious cases at once, unless otherwise ordered by the Bureau. The sick man will be kept in the hospital until all danger of his carrying infection is passed.

Respectfully,

G. M. CORPUT,

Acting Assistant Surgeon, U. S. M. H. S., In Command.

A case of smallpox from a steamship at Pittsburg, Pa.

PITTSBURG, PA., *February 12, 1902.*

SIR: I have the honor to report the case of Clarence L. Cunningham, a seaman from the steamer *Harry P. Jones*, who on February 11 made application to Mercy Hospital for relief. His disease was recognized as smallpox, and he was taken to the municipal hospital. The crews of the steamer *Harry P. Jones* and of the steamer *Tom Lysle*, on which the man was a day, will be vaccinated. I would also state that smallpox is prevalent in this city.

Respectfully,

F. W. MEAD,

Surgeon, U. S. M. H. S.

Arrival at Reedy Island Quarantine of vessels from West Indian ports.

REEDY ISLAND QUARANTINE,
via Port Penn, Del., February 9, 1902.

SIR: Through the medical officer in command of national quarantine service on Delaware Bay and River, I have the honor to report the arrival at this station of the Norwegian steamship *Helga*, from Santiago de Cuba, with ore; no passengers. Bill of health signed by Assistant Surgeon Von Ezdorf.

Respectfully,

T. F. RICHARDSON,

Assistant Surgeon, U. S. M. H. S., In Command.

*Arrival at Baltimore of vessels from South American and West Indian ports.*BALTIMORE, MD., *February 15, 1902.*

SIR: I have to report the arrival of the following vessels at this port for the week ended this day: British steamship *Fashoda*, from Rio de Janeiro, with ore; Norwegian steamship *Otta*, from Daiquiri, with ore.

Respectfully,

T. E. CUNNINGHAM,
Special Deputy Collector of Customs.

REPORTS FROM THE MEXICAN BORDER.

Eagle Pass, Tex., February 10, 1902—Inspection service.—I have the honor to report the following transactions at this port for the week ended February 8, 1902: Number of passenger trains from Mexico inspected, 8; number of passengers on trains from Mexico inspected and passed, 200; number of passengers detained, none.

B. KINSELL,
Acting Assistant Surgeon, U. S. M. H. S.

El Paso, Tex., February 8, 1902—Inspection service.—I have the honor to submit the following summary of transactions at this station for the week ended February 8, 1902: Inspection of Mexican Central Railroad passengers, 168; inspection of Rio Grande and Pacific Railroad passengers, 32; inspection of immigrants, 170; vaccination of immigrants and their children, 17.

E. ALEXANDER,
Acting Assistant Surgeon, U. S. M. H. S.

Statistical reports of States and cities of the United States—Yearly and monthly.

CALIFORNIA—*Los Angeles.*—Month of January, 1902. Estimated population, 120,000. Total number of deaths, 221, including diphtheria, 3; enteric fever, 2; scarlet fever, 1, and 46 from tuberculosis.

GEORGIA—*Augusta.*—Month of January, 1902. Estimated population, 41,441. Total number of deaths, 70, including scarlet fever, 1; whooping cough, 1, and 8 from tuberculosis.

ILLINOIS—*Peoria.*—Month of January, 1902. Census population, 56,100. Total number of deaths, 49, including enteric fever, 2, and 6 from tuberculosis.

IOWA—*Davenport.*—Month of January, 1902. Estimated population, 38,000. Total number of deaths, 54, including scarlet fever, 3, whooping cough, 3, and 6 from tuberculosis.

KENTUCKY—*Louisville.*—Month of January, 1902. Estimated population, 215,000. Total number of deaths, 325, including diphtheria, 10; enteric fever, 12, and 34 from phthisis pulmonalis.

MARYLAND—*Cumberland.*—Month of January, 1902. Estimated population, 17,128. Total number of deaths, 27, including enteric fever, 1; scarlet fever, 1; whooping cough, 1, and 3 from tuberculosis.

MICHIGAN.—Reports to the State board of health, Lansing, for the week ended February 8, 1902, from 82 observers, indicate that dysentery and erysipelas were more prevalent and phthisis pulmonalis,

diarrhea, and enteric fever were less prevalent than in the preceding week. Cerebro-spinal meningitis was reported present at 4, whooping cough at 22, diphtheria at 25, enteric fever at 52, measles at 63, scarlet fever at 111, smallpox at 149, and phthisis pulmonalis at 211 places.

NEW HAMPSHIRE—*Concord*.—Two weeks ended February 8, 1902. Census population, 19,632. Total number of deaths, 10, including 3 from tuberculosis.

Franklin.—Month of January, 1902. Estimated population, 5,843. Total number of deaths, 7. No deaths from contagious diseases.

NEW JERSEY—*Elizabeth*.—Period from February 3, 1900, to December 31, 1900. Estimated population, 52,000. Total number of deaths, 994, including diphtheria, 34, enteric fever, 6; measles, 2; scarlet fever, 1; whooping cough, 11, and 96 from tuberculosis.

Three weeks ended January 26, 1901. Total number of deaths, 60, including 1 from diphtheria, and 6 from tuberculosis.

Month of February, 1901. Total number of deaths, 76, including diphtheria, 2, and 8 from tuberculosis.

Month of March, 1901. Total number of deaths, 92, including diphtheria, 2; scarlet fever, 1, and 16 from tuberculosis.

Two weeks ended April 27, 1901. Total number of deaths, 36, including 4 from tuberculosis.

Month of May, 1901. Total number of deaths, 73, including diphtheria, 2; scarlet fever, 1, and 14 from tuberculosis.

Month of June, 1901. Total number of deaths, 73, including diphtheria, 1, and 8 from tuberculosis.

Month of July, 1901. Total number of deaths, 88, including whooping cough, 1, and 5 from tuberculosis.

Month of August, 1901. Total number of deaths, 131, including enteric fever, 2, and 13 from tuberculosis.

Month of September, 1901. Total number of deaths, 96, including diphtheria, 3; enteric fever, 4, and 12 from tuberculosis.

Month of October, 1901. Total number of deaths, 75, including diphtheria, 1; enteric fever, 5, and 7 from tuberculosis.

Month of November, 1901. Total number of deaths, 82, including enteric fever, 1, and 9 from tuberculosis.

Month of December, 1901. Total number of deaths, 64, including enteric fever, 1, and 7 from tuberculosis.

NEW YORK—*Auburn*.—Month of January, 1902. Estimated population, 35,000. Total number of deaths, 48, including diphtheria, 1; whooping cough, 1, and 1 from phthisis pulmonalis.

NORTH CAROLINA—*Charlotte*.—Month of January, 1902. Census population, 18,091. Total number of deaths, 24. No deaths from contagious diseases.

PENNSYLVANIA—*Butler*.—Period from January 15 to February 12, 1902. Census population, 10,853. Total number of deaths, 11. No deaths from contagious diseases reported.

Newcastle.—Month of January, 1902. Estimated population, 30,000. Total number of deaths, 26, including diphtheria, 1; enteric fever, 1, and 4 from tuberculosis.

York.—Month of January, 1902. Estimated population, 37,000. Total number of deaths, 52, including 2 from tuberculosis.

RHODE ISLAND—Newport.—Month of January, 1902. Estimated population, 23,000. Total number of deaths, 39, including diphtheria, 1; whooping cough, 2, and 7 from tuberculosis.

TEXAS—Houston.—Month of January, 1902. Estimated population, 60,000. Total number of deaths, 92, including diphtheria, 1; enteric fever, 3, and 19 from tuberculosis.

VIRGINIA—Petersburg.—Month of January, 1902. Estimated population, 25,000. Total number of deaths, 36, including 5 deaths from phthisis pulmonalis.

Roanoke.—Month of January, 1902. Estimated population, 21,495. Total number of deaths, 30, including enteric fever, 2; whooping cough, 1; smallpox, 1, and 1 from tuberculosis.

Report of immigration at Boston for the week ended February 8, 1902.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of Boston, February 9, 1902.

Number of alien immigrants who arrived at this port during the week ended February 8, 1902; also names of vessels and ports from which they came.

Date.	Vessel.	Where from.	No. of immigrants.
Feb 2	Steamship Boston	Yarmouth, Nova Scotia.....	73
Feb. 6	.....do.....	.....do.....	43
Do.....	Steamship Bostonian.....	London, England.....	2
Feb. 7	Steamship Bonavista.....	Halifax, Nova Scotia.....	15
Do.....	Steamship Commonwealth.....	Genoa and Naples, Italy.....	781
	Total.....		914

GEORGE B. BILLINGS,
Commissioner.

Report of immigrants inspected at the port of Astoria, Oreg., Columbia River Quarantine Station, during the month of January, 1902.

Total number of immigrants inspected, 2, white males, first-cabin passengers; number passed, 2, white males, first-cabin passengers.

BAYLIS H. EARLE,
Assistant Surgeon, U. S. M. H. S.

Report of immigrants inspected at the port of Philadelphia, Pa., during the month of January, 1902.

Total number of immigrants inspected, 708; number passed, 692; number certified for deportation on account of dangerous contagious or loathsome diseases, or for other physical causes, 16.

H. W. AUSTIN,
Surgeon, U. S. M. H. S.

Report of immigrants inspected at the port of Port Townsend, Wash., during the month of January, 1902.

Total number of immigrants inspected, 32; number passed, 32.

C. H. GARDNER,
Passed Assistant Surgeon, U. S. M. H. S.

Reports from national quarantine

Number	Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure
UNITED STATES:					
1	Alexandria Va	Feb. 15	.....	.....	.....
2	Apalachicola, Fla.	Feb. 8	.....	.....	.....
3	Beaufort, N. C.	Feb. 15	.....	.....	.....
4	Biscayne Bay, Fla.	Feb. 8	.....	.....	.....
5	Boca Grande, Fla.	do.	.....	.....	.....
6	Brunswick, Ga.	do.	Br. bktn. Genesta (a)	Feb. 1	Para
			Sp. bk. Galofre.....	Feb. 2	Havana
7	Cape Charles, Va.	do.	.....	.....	.....
8	Cape Fear, N. C.	do.	.....	.....	.....
9	Cedar Key, Fla.	Feb. 15	.....	.....	.....
10	Columbia River, Oreg.	do.	.....	.....	.....
		Feb. 8	.....	.....	.....
11	Cumberland Sound, Fla.	do.	.....	.....	.....
12	Delaware Breakwater Quarantine, Lewes, Del.	do.	.....	.....	.....
13	Dutch Harbor, Alaska .....	.....	.....	.....	.....
14	Eureka, Cal.	Feb. 8	.....	.....	.....
15	Grays Harbor, Wash.	do.	.....	.....	.....
16	Gulf Quarantine, Ship Island, Miss.	do.	.....	.....	.....
17	Key West, Fla.	do.	.....	.....	.....
18	Los Angeles, Cal.	do.	.....	.....	.....
19	Newbern, N. C.	Feb. 1	.....	.....	.....
20	Pascagoula, Miss.	Feb. 8	.....	.....	.....
21	Port Angeles, Wash.	Feb. 1	.....	.....	.....
22	Portland, Me.	Feb. 8	.....	.....	.....
23	Port Townsend, Wash.	do.	Am. ss. Albion (a)	Feb. 1	Puget Sound ports
			Br. ss. Glenesk	Feb. 3	Shanghai.....
24	Punta Grande, Fla.	Feb. 15	.....	.....	.....
25	Punta Raesa, Fla.	do.	.....	.....	.....
26	Reedy Island, Del.	Feb. 8	.....	.....	.....
27	St. Georges Sound, Fla. ....	.....	.....	.....	.....
	East Pass	Feb. 8	.....	.....	.....
	West Pass	do.	.....	.....	.....
28	St. Johns River, Fla.	do.	.....	.....	.....
29	San Diego, Cal.	do.	.....	.....	.....
30	San Francisco, Cal.	Feb. 1	Am. ss. Queen	Jan. 27	Victoria.....
			U. S. gunboat Condor	Jan. 29	Pishulique Bay ..
			Am. ss. Umatilla	Feb. 1	Victoria.....
31	San Pedro, Cal.	do.	.....	.....	.....
32	Santa Rosa, Fla.	Feb. 8	It. bk. Lina (a)	Jan. 18	Valencia
			It. bk. Corona (a)	do.	Havana

a Previously reported.

and inspection stations.

Number.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
1				No transactions.	
2				No report.	
3				do	
4					5
5	Brunswick	Ballast discharged; vessel fumigated	Feb. 4	No transactions.	4
6	do	Ballast discharged	Feb. 7		
7				No report.	
8					2
9				No report.	
10				One Japanese and 54 Chinese members of crew on British steamship Indravelli, from Hongkong, examined.	5
11				No report.	1
12				No transactions.	
13				No report.	
14				do	
15					1
16					1
17					2
18				No report.	
19				No transactions.	
20					2
21				No transactions.	
22					4
23	Seattle	Disinfected	Feb. 2	1 case smallpox among crew sent to Seattle pest house; crew held for observation.	16
	Tacoma	Crew bathed; dunnage and forecabin disinfected.	Feb. 4	Glandular region of personnel on Am. ss. H. D. Bendixsen, Am. sc. Klinkit, Am. sc. Aloha, and Am. sc. G. W. Watson, from Honolulu, and Am. ss. Olympia, from Hongkong, examined.	
24				No report.	
25				do	
26				Br. ss. Housatonic, from London via Boston, signalled to proceed to Reedy Island by order of commanding officer at Philadelphia.	12
27				No transactions.	
28				do	
29					3
				Physical examination of Asiatic crew on Nor. ss. Thyra, from Hongkong via Japanese ports.	2
30	San Francisco	Boarded and passed.	Jan. 27	Physical examination forecabin, crew, and steerage passengers on Am. ss. China, from Hongkong; 1 case malarial fever on Am. ss. City of Sydney, from Panama.	14
	do	Passed on certificate of medical officer.	Jan. 29		
	do	Boarded and passed	Feb. 1		
31				No transactions.	
32	Pensacola	Ballast discharged; disinfected.	do		14
	do	Ballast discharged; vessel cleaned.	do		

Reports from national quarantine

Number.	Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.
	UNITED STATES—Contd.				
	Santa Rosa, Fla	Feb. 8	It. bk. Careta L (a).....	Jan. 21	Genoa.....
33	Savannah, Ga.....	do.	Rus. bk. Norden.....	Jan. 29	London
34	South Atlantic Quarantine, Blackbeard Island, Ga.	do.	It. bk. Battistina Madre (a)	Jan. 31	Barbados.....
	Tampa Bay, Fla	do.	Am. sc. Geo. H. Ames.....	Feb. 8	Boston
35	Washington, N. C	do.			
	CUBA :				
37	Baracoa.....	Jan. 25			
		Feb. 1			
38	Batabano.....	do.			
39	Caibarien.....	do.			
40	Cardenas.....	do.			
41	Casilda.....	Feb. 8			
42	Cienfuegos.....	do.			
43	Daiquiri.....	Jan. 25			
44	Gibara.....	do.			
		Feb. 1			
45	Guantanamo.....	Jan. 25			
46	Havana.....	Feb. 1			
47	Isabela de Sagua.....	do.			
48	Manzanillo.....	Jan. 25			
49	Matanzas.....	Feb. 8			
50	Nuevitas.....	Feb. 1			
51	Puerto Padre.....	do.			
52	Santa Cruz.....	do.			
53	Santiago de Cuba.....	Jan. 25			
	HAWAII :				
54	Hilo.....	Jan. 18			
55	Honolulu.....	Jan. 25	U. S. S. Mohican.....	Jan. 20	La Paz.....
			Fr. cruiser Protet.....	Jan. 25	San Francisco.....
			U. S. army transport Kilpatrick.	do.	do.....
56	Kahului.....	do.			
57	Kihei, Maui.....	Jan. 18			
		Jan. 25			
58	Koloa, Kauai.....	do.			
59	Lahaina.....	do.			
	PHILIPPINES:				
60	Cebu.....	Dec. 21			
		Dec. 28			
61	Iloilo.....	Dec. 21			
62	Manila.....	do.			
		Dec. 28			
	PORTO RICO:				
63	Ponce.....	Feb. 1			
64	San Juan.....	do.	Ss. Buzzard.....	Jan. 29	Barbados.....
	Supports—				
65	Aguadilla.....	do.	Fr. ss. Alexander Bixio...	Feb. 1	Colon
66	Arecibo.....	do.			
67	Arroyo.....	do.			
68	Fajardo.....	do.			
69	Humacao.....	do.			
70	Mayaguez.....	do.			

a Previously reported.

and inspection stations—Continued.

No. ber.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed
	Pensacola	Ballast discharged; vessel cleaned.	Jan. 31		
	do	Will discharge ballast.			
33	Savannah	Discharging.			2
34	Brunswick	Held for disinfection.		1 case smallpox	
35				No transactions	
36				do	
37					7
38					2
39					8
40				10 vessels passed without inspection.	
41				16 vessels passed without inspection.	3
42				3 vessels passed without inspection.	13
43					1
44					4
45					10
46					8
47				4 vessels passed without inspection.	1
48					32
49				10 vessels passed without inspection.	1
50				3 vessels passed without inspection.	3
51				1 vessel passed without inspection.	3
52				3 vessels passed without inspection.	1
53					3
54					4
55	Honolulu	Passed on surgeon's certificate.			8
	do	do			4
	Manila	do			8
56					8
57				No transactions	
58				do	
59				do	
60					14
61					14
62					5
					68
					79
63				No report	
64	San Juan	Boarded and passed on medical officer's certificate.	Jan. 29		4
	do	Held in quarantine	Feb. 2		
65				No report	
66				do	
67				do	
68				do	
69				do	
70				do	

Reports from State and

Number.	Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.
1	Baltimore, Md	Feb. 15			
2	Bangor, Me	do.			
3	Boston, Mass	do.			
4	Charleston, S. C.	Feb. 8			
5	Elizabeth River, Va.	do.			
6	Galveston, Tex.	do.			
7	Gardiner, Oreg.	do.			
8	Marcus Hook, Pa.	Feb. 15			
9	Mobile Bay, Ala.	Feb. 8			
10	New Bedford, Mass.	Feb. 15			
11	New Orleans, La.	Feb. 8	Fr. ss. Parahyba	Feb. 3	Rio de Janeiro via Santos.
			Br. ss. Indian	Feb. 4	Port Elizabeth....
			Br. ss. Montcalm.....	Feb. 5	Port Elizabeth via Barbados.
			Br. ss. Montezuma.....	Feb. 7	Durban.....
12	Newport News, Va	Feb. 15			
13	Newport, R. I.	do.			
14	New York, N. Y.	do.			
15	Pass Cavallo, Tex.	do.			
16	Port Royal, S. C.	do.			
17	Providence, R. I.	do.			
18	Quintana, Tex.	do.			
19	Sabine Pass, Tex.	do.			
20	St. Helena Entrance S. C.	do.			

municipal quarantine stations.

N. mber	Destination.	Treatment of vessel, pas- sengers, and cargo.	Date of depar- ture.	Remarks.	Vessel inspected and passed
1				No report.	
2				do	
3				do	
4					6
5				No report	
6					5
7				No report	
8				do	
9					19
10				No report.	
11	New Orleans	Disinfected.	Feb. 3		
	do	do	Feb. 4		
	do	do	Feb. 6		
	do	do	Feb. 7		
12				No report.	
13				do	
14				do	
15				do	
16				do	
17				do	
18				do	
19				do	
20				do	

Smallpox in the United States as reported to the Surgeon-General United States Marine-Hospital Service, December 28, 1901, to February 21, 1902.

[For reports received from June 29, 1901, to December 27, 1901, see PUBLIC HEALTH REPORTS for December 27, 1901.]

Place.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Birmingham	Dec. 1-Dec. 31	1		
Total for State, same period, 1901.		42		
Arizona:				
Yuma	Jan. 1.....	100		Estimated.
Arkansas:				
Pulaski County (including Little Rock).	Jan. 12-Jan. 22	50	1	
California:				
Humboldt County	Feb. 2.....	30		
Los Angeles	Dec. 29-Feb. 8	34		
Sacramento	Feb. 2-Feb. 8	1		
San Diego	Jan. 25-Feb. 9	2		
San Francisco	Dec. 16-Feb. 1	48		
Stockton	Jan. 1-Jan. 13	24		
Total for State		139		
Total for State, same period, 1901.		13		
Colorado:				
Arapahoe County.....	Dec. 1-Jan. 31	8		
Archuleta County.....	do	23		
Chaffee County.....	do	1		
Clear Creek County.....	do	2		
Delta County.....	Dec. 1-Jan. 31	48		
El Paso County.....	do	38		
Fremont County.....	do	1		
Gilpin County.....	do	35		
Gunnison County.....	do	14		
Hinsdale County.....	do	35		
Huerfano County.....	do	1		
Jefferson County.....	do	8		
La Plata County.....	do	1		
Las Animas County.....	do	9		
Logan County.....	do	1		
Mesa County.....	do	48		
Mineral County.....	do	1		
Montrose County.....	do	24		
Morgan County.....	do	1		
Otero County.....	do	3		
Pitkin County.....	do	1		
Pueblo County.....	do	12		
Rio Grande County.....	do	10		
San Miguel County.....	do	7		
Teller County.....	do	4		
Total for State.....		336		
Total for State, same period, 1901.		732		
District of Columbia:				
Washington.....	Jan. 12-Feb. 1	4		
Total for District, same period, 1901.		11		
Florida:				
Key West.....	Feb. 5.....	1		
Total for State, same period, 1901.		50		
Illinois:				
Belleville.....	Jan. 12-Feb. 8	14		
Chicago.....	Jan. 5-Feb. 8	29	1	
Danville.....	Jan. 19-Feb. 8	4		
Freeport.....	Jan. 5-Feb. 8	6		
Galesburg.....	Jan. 12-Feb. 8	7		
Peoria.....	Dec. 1-Jan. 31	57		
Springfield.....	do	314		
Total for State		431	1	
Total for State, same period, 1901.		128	2	

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Indiana:				
Crawfordsville.....	Jan. 19-Feb. 1	14		
Indianapolis.....	Jan. 1-Feb. 8	5		
Muncie.....	do	3		
Vanderburg County.....	Dec. 15-Feb. 8	35		
Total for State.....		109		
Total for State, same period, 1901.....		1		
Indian Territory:				
Duncan.....	Feb. 4.....	6		
Total for Territory, same period, 1901.....		16		
Iowa:				
Adair County.....	Jan. 1-Jan. 31			
Allamakee County.....	do			
Benton County.....	do			
Boone County.....	do			
Buena Vista County.....	do			
Cherokee County.....	do			
Chicasaw County.....	Nov. 1-Jan. 31			
Clayton County.....	do			
Clinton County.....	do	11		
Crawford County.....	do			
Dallas County.....	do			
Davis County.....	do			
Delaware County.....	do			
Des Moines County.....	do			
Dubuque County.....	do			
Floyd County.....	do			
Fremont County.....	do			
Hardin County.....	Jan. 1-Jan. 31			
Henry County.....	do			
Ida County.....	Nov. 1-Jan. 31			
Iowa County.....	do			
Jasper County.....	Jan. 1-Jan. 31			
Linn County.....	do			
Louisa County.....	Nov. 1-Jan. 31			
Lucas County.....	Jan. 1-Jan. 31			
Lyon County.....	Nov. 1-Jan. 31			
Mahaska County.....	Jan. 1-Jan. 31			
Monroe County.....	do			
Montgomery County.....	do			
O'Brien County.....	Nov. 1-Jan. 31			
Osceola County.....	Jan. 1-Jan. 31			
Plymouth County.....	Jan 1.....			
Pocahontas County.....	do			
Polk County.....	Nov. 1-Jan. 31			
Poweshiek County.....	Jan. 1-Jan. 31			
Sac County.....	Nov. 1-Jan. 31			
Scott County (Davenport).....	Dec. 1-Jan. 31	16		
Sioux County.....	Jan. 1-Jan. 31			
Taylor County.....	do			
Wapello County (Ottumwa).....	Dec. 1-Jan. 31	79		
Warren County.....	Nov. 1-Jan. 31			
Washington County.....	Jan. 1-Jan. 31			
Woodbury County.....	do			
Worth County.....	do			
Total for State.....		106		
Total for State, same period, 1901.....		5		
Kansas:				
Allen County.....	Dec. 1-Jan. 31	26		
Anderson County.....	do	3		
Brown County.....	do	2		
Chautauqua County.....	do	20		
Cherokee County.....	do	11		
Clay County.....	do	2		
Cloud County.....	do	87		
Cowley County.....	do	1		
Crawford County.....	do	96		
Decatur County.....	do	10		
Greenwood County.....	do	20		
Hamilton County.....	do	70		
Jefferson County.....	do	10		
Jewell County.....	do	8		
Kingman County.....	do	1		
Labette County.....	do	2		
Leavenworth County.....	do	1		

Present.
Do.

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Lincoln County.....	Dec. 1-Jan. 31	7		
Marion County.....	do	1		
Marshall County.....	do	77		
Mitchell County.....	do	48		
Montgomery County.....	do	16		
Nemaha County.....	do	4		
Ottawa County.....	do	35		
Phillips County.....	do	15		
Reno County.....	do	2		
Saline County.....	do	25		
Sedgwick County.....	do	28		
Shawnee County.....	do	20		
Smith County.....	do	19		
Stafford County.....	do	36	1	
Sumner County.....	do	39		
Washington County.....	do	114		
Total for State.....		856	1	
Total for State, same period, 1901.....		930	5	
Kentucky:				
Covington.....	Jan. 27-Feb. 15	14		
Lexington.....	Dec. 22-Jan. 25	10	2	
Louisville.....	Jan. 1-Jan. 31	19		
Total for State.....		43	2	
Total for State, same period, 1901.....		21	1	
Louisiana:				
Caddo.....	Jan. 1-Feb. 3	52		
New Orleans.....	Dec. 15-Feb. 8	15	4	
Shreveport.....	do	87		
Total for State.....		151	4	
Total for State, same period, 1901.....		91	21	
Maine:				
Portland.....	Dec. 22-Feb. 8	5	1	
Maryland:				
Baltimore.....	Feb. 2-Feb. 15	9		
Total for State.....				
Total for State, same period, 1901.....		4		
Massachusetts:				
Blackstone.....	Jan. 2-Jan. 8	2		
Boston.....	Dec. 22-Feb. 15	310	54	
Brockton.....	Dec. 29-Feb. 8	6		
Brookline.....	Jan. 12-Jan. 25	2		
Cambridge.....	Dec. 15-Feb. 1	17	2	
Chelsea.....	Dec. 29-Jan. 4	1		
Chicopee.....	Jan. 19-Jan. 25	1		
Clinton.....	Jan. 5-Jan. 11	3		
Everett.....	Jan. 26-Feb. 8	4		
Fall River.....	Dec. 22-Feb. 8	2		
Holyoke.....	Jan. 12-Feb. 8	2		
Lowell.....	Dec. 29-Feb. 8	10		
Malden.....	Dec. 15-Feb. 8	3		
Marlboro.....	Jan. 5-Jan. 11	1		
Medford.....	Dec. 22-Feb. 15	5		
New Bedford.....	Jan. 17-Feb. 15	13		
Newburyport.....	Jan. 26-Feb. 8	3		
Newton.....	Dec. 29-Jan. 4	1		
Quincy.....	Dec. 22-Jan. 11	6		
Somerville.....	Dec. 29-Feb. 15	7	1	
Waltham.....	Jan. 26-Feb. 1	1		
Weymouth.....	Jan. 5-Jan. 18	2	1	
Woburn.....	Dec. 15-Feb. 1	2	1	
Total for State.....		404	59	
Total for State, same period, 1901.....		7		
Michigan:				
Ann Arbor.....	Jan. 12-Jan. 18	1		
Bay City.....	Jan. 25-Feb. 8	12		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Michigan—Continued.				
Detroit	Jan. 5-Feb. 15	27	1	
Grand Rapids	Dec. 15-Jan. 18	3		
Ludington	Jan. 27-Feb. 8	5		
Total for State		48	1	
Total for State, same period, 1901.		14		
Minnesota:				
Aitkin County	Dec. 3-Feb. 3	9		
Anoka County	do	36		
Becker County	do	51		
Beltrami County	do	81		
Benton County	do	8		
Big Stone County	do	44		
Blue Earth County	do	2		
Brown County	Jan. 27-Feb. 3	5		
Carver County	Dec. 3-Feb. 3	219	3	
Cass County	do	26		
Chippewa County	do	4		
Chisago County	do	1		
Clay County	do	177		
Cottonwood County	do	9		
Crow Wing County	do	87	1	
Dakota County	do	36		
Dodge County	do	4		
Douglas County	Jan. 27-Feb. 3	4		
Faribault County	Dec. 3-Feb. 3	41		
Fillmore County	Jan. 20-Feb. 3	8		
Freeborn County	do	4		
Goodhue County	Dec. 3-Feb. 3	85		
Hennepin County (Minneapolis)	do	146	1	
Houston County	do	60		
Hubbard County	do	61		
Isanti County	do	9	1	
Itasca County	do	27		
Jackson County	do	69		
Kandiyohi County	do	3		
Kanabec County	do	1		
Kittson County	do	52		
Lac qui Parle County	do	5		
Le Sueur County	do	9		
Lincoln County	do	111		
Lyon County	do	39		
McLeod County	do	8		
Marshall County	do	47		
Martin County	do	28		
Meeker County	do	8		
Millelacs County	do	18		
Morrison County	do	13		
Mower County	do	83		
Murray County	do	2		
Nicollet County	Jan. 27-Feb. 3	8		
Norman County	Dec. 3-Feb. 3	83	1	
Olmsted County (Rochester)	do	14		
Ottertail County	do	117	1	
Pine County	do	5		
Pipestone County	do	248	1	
Polk County	do	68		
Pope County	do	67	1	
Ramsey County (St. Paul)	do	16		
Red Lake County	do	92	1	
Red Wood County	do	76		
Renville County	do	12		
Rice County	do	30		
Rock County	do	10		
Roseau County	Jan. 20-Feb. 3	4		
St. Louis County (Duluth)	Dec. 3-Feb. 3	84	1	
Scott County	do	8		
Sherburne County	do	1		
Sibley County	do	2		
Stearns County	do	35		
Steele County	do	21		
Stevens County	do	10		
Swift County	Jan. 27-Feb. 3	1		
Todd County	Dec. 3-Feb. 3	30		
Traverse County	do	14		
Wabasha County	do	11		
Wadena County	do	20		

Smallpox in the United States, etc.—Continued.

Place.	Date,	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Waseca County.....	Jan. 27-Feb. 3	2		
Washington County.....	Dec. 3-Feb. 3	29		
Watonwan County.....	do	1		
Wilkin County.....	do	6		
Winona County (Winona).....	Dec. 3-Feb. 8	22		
Wright County.....	Dec. 3-Feb. 3	9		
Yellow Medicine County.....	do	1		
Total for State.....		2,897	12	
Total for State, same period, 1901.....		1203	3	
Missouri:				
Hannibal.....	Jan. 12-Jan. 18	1		
St. Louis.....	Dec. 16-Feb. 9	606	8	
Total for State.....		607	8	
Total for State, same period, 1901.....		58		
Montana:				
Butte.....	Jan. 13-Feb. 2	10		
Total for State.....				
Total for State, same period, 1901.....		218	2	
Nebraska:				
Omaha.....	Dec. 15-Feb. 8	202		
South Omaha.....	July 1-Jan. 31	431		
Total for State.....		633		
Total for State, same period, 1901.....		513	4	
New Hampshire:				
Nashua.....	Dec. 15-Feb. 8	12		
Total for State, same period, 1901.....		230		
New Jersey:				
Camden County.....	Dec. 22-Feb. 15	96	19	
Essex County (Newark).....	Dec. 15-Feb. 15	246	48	
Hudson County (Jersey City included).....	Dec. 23-Feb. 9	195	5	
Passaic.....	Nov. 16-Jan. 11	6	3	
Somerset County (Plainfield).....	Jan. 12-Jan. 18	4		
Total for State.....		547	75	
Total for State, same period, 1901.....		7		
New York:				
Binghamton.....	Dec. 22-Feb. 15	16	1	
Buffalo.....	June 25-Jan. 28	208		
Mount Vernon City.....	Jan. 12-Jan. 18	1	1	
New York.....	Dec. 15-Feb. 8	225	48	
Plattsburg.....	Dec. 1-Dec. 28	19		
Total for State.....		469	50	
Total for State, same period, 1901.....		149	19	
North Carolina:				
Buncombe County.....	Nov. 1-Dec. 31	28		
Cabarrus County.....	do	84		
Duplin County.....	do	10		
Durham County.....	do	5		
Edgecombe County.....	do	5		
Forsyth County.....	do	30		
Gaston County.....	do			Several cases.
Greene County.....	do	7		
Henderson County.....	do	9		Many cases.
Iredell County.....	do			
Mecklenburg County.....	do	55		
Nash County.....	do	20		
Folk County.....	do	2		
Rockingham County.....	do	8		
Bowan County.....	do	2		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Rutherford County.....	Nov. 1-Dec. 31	2		
Sampson County.....	do	6		
Swain County.....	do	3		
Union County.....	do	2		
Wayne County.....	do	25		
Wilson County.....	do	60		
Total for State.....		363		
Total for State, same period, 1901.		157	2	
North Dakota:				
Bottineau County.....	Dec. 21-Jan. 13	2	1	
Barnes County.....	Dec. 4-Jan. 13	6		
Cass County.....	Dec. 31-Jan. 13	10		
Cavalier County.....	Jan. 1-Jan. 13	11		
Foster County.....	do			Several cases.
Grand Forks County.....	Dec. 31-Jan. 13	18		
Kidder County.....	Dec. 23-Jan. 13	9		
Lamoure County.....	Dec. 9-Jan. 13	1		
McHenry County.....	Dec. 24-Jan. 13	36		
Nelson County.....	Dec. 31-Jan. 13	5		
Pembina County.....	do	5		
Stutsman County.....	do	8		
Steel County.....	Dec. 30-Jan. 13	4		
Trail County.....	Jan. 1-Jan. 13			Do.
Ward County.....	July 1-Jan. 13	54		
Walsh County.....	Dec. 31-Jan. 13	10		
Wells County.....	Dec. 26-Jan. 13	2		
Williams County.....	Dec. 18-Jan. 13	2		
Total for State.....		183	1	
Total for State, same period, 1901.		13		
Ohio:				
Ashtabula County—				
Ashtabula.....	Aug. 1-Jan 31	4		
Saybrook Township.....	do	7		
Ashland County—				
Lake Township.....	do			
Troy Township.....	do	2		
Auglaize County—				
Moulton Township.....	do	6		
St. Marys.....	do	7		
Belmont County—				
Barnesville.....	do	14		
Bridgeport.....	do	3		
St. Clairsville.....	do	3		
Butler County (Middletown)—				
Hamilton.....	Jan. 19-Jan. 31	3		
	Feb. 28.....	3		
Carroll County—				
Rose Township.....	Jan. 19-Jan. 31	3	1	
Champaign County—				
Urbana.....	do	2		
Clark County—				
Springfield.....	do	1		
Clermont County—				
Miami Township.....	do			
Coshocton County—				
White Eyes Township.....	do			
Crawford County—				
Auburn Township.....	do			
Crestline.....	do			
New Washington.....	do			
Cuyahoga County—				
Berea.....	do			
Cleveland.....	Dec. 28-Feb. 7	18		
Glenville.....	Aug. 1-Jan. 31			
Middleburg Township.....	do			
Rocky River.....	do			
Darke County—				
Jackson Township.....	do	3		
Union City.....	do	33		
Defiance County—				
Hicksville.....	Jan. 1-Jan. 31	31		
Mark Township.....	do	1		
Milford Township.....	do	1		
Delaware County—				
Delaware.....	Aug. 1-Jan. 31	4		

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ohio—Continued.				
Erie County—				
Sandusky.....	Aug. 1-Jan. 31	4		
Fayette County—				
Union Township.....	Jan. 1-Jan. 31	1		
Washington Court House.....	do	1		
Franklin County—				
Clinton Township.....	Aug. 1-Jan. 31	1		
Columbus.....	do	4	1	
Gallia County—				
Cheshire Township.....	do	2		
Gallipolis.....	do	3		
Harrison Township.....	do			
Greene County—				
Cedarville Township.....	do	1		
Hamilton County—				
Cincinnati.....	Dec. 21-Feb. 7	104	1	
Lockland.....	do	1		
Mill Creek Township.....	Aug. 1-Jan. 31	1		
Pleasant Ridge.....	do	1		
Symmes Township.....	do	1		
Hancock County—				
Allen Township.....	do	1		
Findlay.....	do	46	2	
Hardin County—				
Ada.....	do			
Kenton.....	do			
Liberty Township.....	do			
McDonald Township.....	do			
Henry County—				
Napoleon.....	do			
Highland County—				
Lynchburg.....	Jan. 1-Jan. 31	1		
Hocking County—				
Logan.....	Aug. 1-Jan. 31			
Huron County—				
Chicago Junction.....	do	3		
Jackson County—				
Jefferson Township.....	do	7		
Madison Township.....	do			
Oakhill.....	do			
Washington Township.....	do	1		
Jefferson County—				
Mingo Junction.....	do	7		
Steubenville.....	do	3		
Knox County—				
Wayne Township.....	do	11		
Lake County—				
Mentor.....	do			
Lawrence County—				
Aid Township.....	do	9		
Ironton.....	do	1		
Licking County—				
Eden Township.....	do	1		
Hanover Township.....	do	8		
Newark.....	do	55		
Newton Township.....	do	1		
Utica.....	do	1		
Logan County—				
Belle Center.....	do	2		
Richland Township.....	do	3		
West Mansfield.....	do	4		
Lorain County—				
Black River Township.....	do			
Lorain.....	do			
Russia Township.....	do	8		
Lucas County—				
Toledo.....	Jan. 5-Feb. 1	9		
Madison County—				
Monroe Township.....	Jan. 1-Jan. 31	1		
Mahoning County—				
Youngstown.....	Dec. 22-Feb. 8	51	12	
Mercer County—				
Butler Township.....	Aug. 1-Jan. 31	51		
Coldwater.....	do	42		
Recovery Township.....	do	16		
Washington Township.....	do	9		
Monroe County—				
Benton Township.....	do			
Bethel Township.....	do	6		
Franklin Township.....	do			

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ohio—Continued.				
Monroe County—Continued.				
Graysville	Aug. 1-Jan. 31			
Perry Township	do			
Washington Township	do			
Montgomery County—				
Butler Township.....	do			
Dayton.....	Jan. 12-Feb. 8	5		
Germantown.....	Aug. 1-Jan. 31	2		
Washington Township	do			
Morrow County—				
Cardington.....	do	1		
Muskingum County—				
Brush Creek Township.....	do	1		
Zanesville.....	do	1		
Perry County—				
Hopewell Township.....	do	1		
New Lexington.....	do	4		
Portage County—				
Brimfield Township.....	do			
Preble County—				
Gratis Township.....	Jan. 1-Jan. 31	3		
Putnam County—				
Continental.....	Aug. 1-Jan. 31			
Perry Township.....	do			
Richland County—				
Madison Township.....	do	2		
Plymouth Township.....	do			
Sandusky County—				
Clyde.....	do	2		
Fremont.....	do	3		
Gibsonburg.....	do	25		
Madison Township.....	do	1		
Riley Township.....	do	1		
Townsend Township.....	do	1		
York Township.....	do	1		
Scioto County—				
Portsmouth.....	do			
Seneca County—				
Big Spring Township.....	do	1		
Fostoria.....	do	2		
Loudon Township.....	do	4		
Tiffin.....	do			
Shelby County—				
Green Township.....	do			
Orange Township.....	do	1		
Perry Township.....	do			
Sidney.....	do	2		
Stark County—				
Canton.....	do	1		
Massillon.....	do	1		
Sandy Township.....	do	1		
Waynesburg.....	do	1		
Tuscarawas County—				
Fairfield Township.....	do			
Mineral City.....	do	8	2	
Uhrichsville.....	do	3		
Union County—				
Magnetic Springs.....	do	1		
Van Wert County—				
Liberty Township.....	do	1		
Van Wert.....	do	5	1	
Washington County—				
Barlow Township.....	do			
Belpre Township.....	do			
Liberty Township.....	do			
Marietta.....	do			
Wayne County—				
Creston.....	do	6		
Williams County—				
Alvordtown.....	do	1		
Bryan.....	do	1		
Montpeiler.....	do			
Wood County—				
Center Township.....	do	10		
Henry Township.....	do			
North Baltimore.....	do	2		
Troy Township.....	do			
Webster Township.....	do			

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Ohio—Continued.				
Wyandot County— Carey.....	Aug. 1-Dec. 20	1	.....
Total for State		734	20	
Total for State, same period, 1901.		409	5	Total number of cases January 1 to Decem- ber 20, 1901, 2,936, deaths, 48.
Oregon:				
Marshfield	Dec. 1-Jan. 1	250	1	
Portland	Jan. 1-Jan. 31	25	.....
Total for State		275	.....
Total for State, same period, 1901.		6	.....
Pennsylvania:				
Allegheny County (Pittsburg)	Dec. 29-Feb. 8	12	.....
Altoona.....do.....	.....do.....	5	.....
Berks County (Reading).....	Jan. 21-Jan. 27	1	.....
Butler County.....	Jan. 16-Jan. 22	1	.....
Carbon County.....	Feb. 10-Feb. 16	5	.....
Leakawanna County (Scranton).	Jan. 16-Feb. 8	7	1	
Lawrence County (New Castle).....	Jan. 1-Jan. 31	3	.....
Lebanon County.....	Dec. 22-Feb. 9	107	1	
Luzerne County	Dec. 25-Jan. 11	11	.....
Lycoming County (Williams- port).....	Jan. 26-Feb. 1	2	.....
Montgomery County	Dec. 22-Feb. 8	18	3	
Philadelphia County.....	Dec. 22-Feb. 15	729	137	
Schuylkill County (Auburn) ..	Nov. 17-Jan. 25	48	1	
Total for State.....		949	143	
Total for State, same period, 1901.		35	1	
Rhode Island:				
Manville	Dec. 1-Feb. 8	4	.....
Providence.....	Dec. 1-Feb. 15	6	2	
Woonsocket .....	.....do.....	74	.....
Total for State		84	2	
Total for State, same period, 1901.		3	1	
South Carolina:				
Greenville.....	Dec. 15-Feb. 8	9	.....
Charleston	Jan. 19-Feb. 8	5	.....
Total for State		14	.....
Total for State, same period, 1901.		5	1	
South Dakota:				
Sioux Falls.....	Jan. 26-Feb. 8	6	.....
Tennessee:				
McMinn County	Dec. 15	24	.....
Nashville.....	Feb. 2-Feb. 19	2	.....
Polk County .....	.....do.....	4	.....
Shelby County (Memphis)	Dec. 22-Feb. 15	70	.....
Total for State		100	.....
Total for State, same period, 1901.		128	2	
Texas:				
Houston.....	Jan. 1-Feb. 8	106	2	
Laredo.....	Feb. 8.....	1	.....
San Antonio	Jan. 1-Jan. 31	16	.....
Total for State		123	2	
Total for State, same period, 1901.		385	7	

Smallpox in the United States, etc.—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Utah:				
Ogden.....	Jan. 1-Jan. 31	1		
Salt Lake City.....	Dec. 15-Jan. 18	5		
Total for State		6		
Total for State, same period, 1901.		390		
Vermont:				
Burlington.....	Dec. 15-Jan. 25	154		
Virginia:				
Roanoke.....	Dec. 1-Jan. 31	117	1	
Total for State, same period, 1901.		315		
Washington:				
Chehalis County.....	Dec. 1-Dec. 31	1		
Challam County.....	Jan. 17.....	2		
Ferry County.....	Dec. 1-Dec. 31	4		
King County (Seattle).....	Nov. 1-Dec. 31	82		
Klickitat County.....	Nov. 1-Dec. 1	8		
Lincoln County.....	Nov. 1-Dec. 13	35	1	
Pierce County (Tacoma).....	Nov. 1-Feb. 9	45		
Spokane County (Spokane).....	.....do.....	92		
Whitman County.....	.....do.....	5		
Total for State		274	1	
Total for State, same period, 1901.		19		
Wisconsin:				
36 counties, 61 places.....	Jan. 1-Jan. 31	239	1	
35 counties, 57 places.....	Feb. 1-Feb. 28	256	3	
37 counties, 73 places.....	Mar. 1-Mar. 31	304	1	
37 counties, 64 places.....	Apr. 1-Apr. 30	276	2	
45 counties, 85 places.....	May 1-May 31	358		
41 counties, 67 places.....	June 1-June 30	288	3	
32 counties, 52 places.....	July 1-July 31	268		
27 counties, 36 places.....	Aug. 1-Aug. 31	128	2	
15 counties, 18 places.....	Sept. 1-Sept. 30	71	3	
28 counties, 62 places.....	Oct. 1-Oct. 31	519	2	
42 counties, 100 places.....	Nov. 1-Nov. 30	596	3	
57 counties, 162 places.....	Dec. 1-Dec. 31	1,012	2	
61 counties, 232 places.....	Jan. 1-Jan. 31	1,521	8	
Fond du Lac.....	Jan. 17-Feb. 8	4		
Green Bay.....	Dec. 30-Feb. 9	72	2	
Milwaukee.....	Dec. 29-Feb. 9	21		
Total for State		5,933	32	
Total for State, same period, 1901.		303	1	
Grand total		17,288	417	
Grand total, same period, 1901.		7,392	79	

Plague in the United States as reported to the Surgeon-General, United States Marine-Hospital Service, from December 23, 1901 to February 21, 1902.

[For reports received from June 29, 1901, to December 27, 1901, see PUBLIC HEALTH REPORTS for December 27, 1901.]

PLAGUE.

Place.	Date.	Cases.	Deaths.	Remarks.
California:				
San Francisco.....	Dec. 12	1		

Table of temperature and rainfall, week ended February 10, 1902.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	α Excess.	α Defic'ncy.	Normal.	Excess.	Deficiency
Atlantic Coast:						
Eastport, Me.....	20		1	.91		.58
Portland, Me.....	23		2	.89		.89
Northfield, Vt.....	12		4	.56		.38
Boston, Mass.....	26		2	.89		.88
New Haven, Conn.....	27		5	1.05		1.05
Albany, N. Y.....	22		4	.70		.68
New York, N. Y.....	30		8	.98		.95
Harrisburg, Pa.....	32		13	.70		.66
Philadelphia, Pa.....	31		8	.80		.78
New Brunswick, N. J.....	32		11	.91		.87
Atlantic City, N. J.....	33		10	.84		.84
Baltimore, Md.....	34		12	.84		.84
Washington, D. C.....	33		14	.84		.84
Lynchburg, Va.....	38		12	.91		.91
Cape Henry, Va.....	44		13	.85		.85
Norfolk, Va.....	41		9	.94		.94
Charlotte, N. C.....	44		11	1.12		1.12
Raleigh, N. C.....	42		10	.91		.92
Kittyhawk, N. C.....	45		8	.94		.94
Hatteras, N. C.....	46			1.14		
Wilmington, N. C.....	48		11	.81		.81
Columbia, S. C.....	47		10	.98		.98
Charleston, S. C.....	52		11	.84		.84
Augusta, Ga.....	49		10	.98		.98
Savannah, Ga.....	53		10	.77		.77
Jacksonville, Fla.....	57		11	.77		.69
Jupiter, Fla.....	67		7	.66	.07	
Key West, Fla.....	71		5	.42	.14	
Gulf States:						
Atlanta, Ga.....	48		17	1.15		1.15
Tampa, Fla.....	66		12	.64		.25
Pensacola, Fla.....	56		12	.93		.82
Mobile, Ala.....	54		12	1.16		.92
Montgomery, Ala.....	52		14	1.33		1.33
Meridian, Miss.....	54		17	1.41		1.41
Vicksburg, Miss.....	51		12	1.07		1.07
New Orleans, La.....	57		13	1.12		.96
Shreveport, La.....	52		14	1.04		.97
Fort Smith, Ark.....	39		10	.85		.85
Little Rock, Ark.....	43		15	1.32		1.32
Palestine, Tex.....	49		8	.91		.46
Galveston, Tex.....	55		10	.77		.33
San Antonio, Tex.....	53		8	.49	.04	
Corpus Christi, Tex.....	51		8	.67	.73	
Ohio Valley and Tennessee:						
Memphis, Tenn.....	43		14	1.33		1.32
Nashville, Tenn.....	41		16	1.33		1.33
Chattanooga, Tenn.....	44		17	1.33		1.34
Knoxville, Tenn.....	41		15	1.33		1.33
Louisville, Ky.....	37		21	1.08		1.01
Indianapolis, Ind.....	31		20	.89		.87
Cincinnati, Ohio.....	35		20	.96		.96
Columbus, Ohio.....	31		24	.95		.87
Parkersburg, W. Va.....	35		20	.77		.72
Pittsburg, Pa.....	31		15	.70		.58
Lake Region:						
Owego, N. Y.....	23		7	.63		.38
Rochester, N. Y.....	23		10	.70	.15	
Buffalo, N. Y.....	23		8	.74	.23	
Erie, Pa.....	26		13	.88		.77
Cleveland, Ohio.....	26		13	.70		.51
Sandusky, Ohio.....	27		17	.71		.60
Toledo, Ohio.....	26		15	.50		.38
Detroit, Mich.....	25		13	.56		.47
Lansing, Mich.....	24		13	.49		.33
Port Huron, Mich.....	22		9	.58		.45
Alpena, Mich.....	17		5	.54		.39
Sault Ste. Marie, Mich.....	9		1	.35		.06
Marquette, Mich.....	16		5	.49		.30
Escanaba, Mich.....	15		6	.35		.31
Green Bay, Wis.....	12		5	.63		.60
Grand Haven, Mich.....	25		10	.56		.09
Milwaukee, Wis.....	21		14	.42		.35
Chicago, Ill.....	26		19	.56		.30
Duluth, Minn.....	18		8	.28		.22

α The figures in this column represent the average daily departure.

Table of temperature and rainfall, week ended February 10, 1902.—Cont'd.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
Upper Mississippi Valley:						
St. Paul, Minn.....	14		11	.21		.16
La Crosse, Wis.....	19		14	.28		.18
Dubuque, Iowa.....	21		17	.35		.22
Davenport, Iowa.....	25		20	.35		.28
Des Moines, Iowa.....	21		18	.28		.22
Keokuk, Iowa.....	27		13	.42		.41
Springfield, Ill.....	29		19	.81		.80
Cairo, Ill.....	38		18	.98		.98
St. Louis, Mo.....	34		15	.63		.60
Missouri Valley:						
Columbia, Mo.....	35		27	.59		.52
Springfield, Mo.....	31		14	.83		.78
Kansas City, Mo.....	30		18	.40		.30
Topeka, Kans.....	29		18	.35		.18
Wichita, Kans.....	30		11	.28		.27
Concordia, Kans.....	25		14	.21		.16
Lincoln, Nebr.....	20		10	.21		.21
Omaha, Nebr.....	24		18	.19		.18
Sioux City, Iowa.....	16		12	.14		.14
Yankton, S. Dak.....	18		15	.14		.14
Valentine, Nebr.....	23		18	.14		.12
Huron, S. Dak.....	8		9	.14		.44
Pierre, S. Dak.....	11		8	.07		.08
Moorhead, Minn.....	2		4	.21		.17
Bismarck, N. Dak.....	8		11	.14		.14
Williston, N. Dak.....	6		11	.14		.07
Rocky Mountain and Plateau Region:						
Havre, Mont.....	12		12	.14	.06	
Helena, Mont.....	19		19	.21	.12	
Miles City, Mont.....	27		9	.14		.04
Rapid City, S. Dak.....	19		13	.14		.08
Spokane, Wash.....	26	7		.52	.81	
Walla Walla, Wash.....	34	0		.37	.83	
Baker City, Oreg.....	23	10		.42	.40	
Winnemucca, Nev.....	31	9		.27		.15
Pocatello, Idaho.....	21	13		.42		.22
Boise, Idaho.....	22	7		.42	.22	
Salt Lake City, Utah.....	31	6		.28		.26
Lander, Wyo.....	23	0		.14		.14
Cheyenne, Wyo.....	26	0		.07	.0	
North Platte, Nebr.....	23		9	.07	.23	
Denver, Colo.....	31	1		.13		.10
Pueblo, Colo.....	30	2		.07	.0	
Dodge City, Kans.....	30		6	.14		.12
Oklahoma, Okla.....	37		11	.27		.27
Amarillo, Tex.....	34		3	.30		.30
Abilene, Tex.....	45		11	.35		.06
Santa Fe, N. Mex.....	31	4		.20		.20
El Paso, Tex.....	48	0		.14		.14
Phoenix, Ariz.....	53	0		.21		.21
Yuma, Ariz.....	56		1	.14		.14
Pacific Coast:						
Seattle, Wash.....	40	3		.94	1.97	
Tacoma, Wash.....	43	5		1.40	.83	
Portland, Oreg.....	40	1		1.54	2.10	
Roseburg, Oreg.....	40	6		1.33	1.59	
Eureka, Cal.....	46			1.60		
Red Bluff, Cal.....	47	4		.98	.96	
Carson City, Nev.....	35	7		.41		.41
Sacramento, Cal.....	48	4		.81	.43	
San Francisco, Cal.....	51	2		1.01	.64	
Fresno, Cal.....	48	3		.28		.17
San Luis Obispo, Cal.....	54	0		.98		.98
Los Angeles, Cal.....	54		2	.81		.81
San Diego, Cal.....	54		2	.52		.52

a The figures in this column represent the average daily departure.

Snow and ice bulletin for the week ended February 16, 1902.

[Received from Department of Agriculture, Weather Bureau—Depth of snow and thickness of ice at 8 p. m., February 16, 1902.]

Stations.	Snow.	Ice in rivers, harbors, etc.	Stations.	Snow.	Ice in rivers, harbors, etc.
	<i>Inches.</i>	<i>Inches.</i>		<i>Inches.</i>	<i>Inches.</i>
Connecticut:			Michigan—Continued.		
New Haven	9	0.0	Lansing	5	
Storrs	3		Mackinaw	14	
West Cornwall	18		Manistee	13	
Delaware:			Marquette	17	15.0
Millsboro	15		Ontonagon	48	24.0
District of Columbia:			Port Huron	1	13.0
Washington	1		Saginaw	3	
Illinois:			Sault Ste. Marie	11	22.0
Bloomington	5		South Haven	11	
Chicago	1	0.0	Thomaston	20	
Dixon	2		Wetmore	60	
Hillsboro	4		Minnesota:		
Monmouth	2		Albert Lea	3	
Olney	1		Biscay	4	
Springfield	5		Currie	2	
Wellington	4		Duluth	1	23.5
Winchester	2		Mapleplain	6	
Indiana:			Minneapolis	2	
Indianapolis	1		Moorhead	12	36.0
Lafayette	3		Northfield	4	
Laporte	9		Owatonna	6	
Marion	6		St. Paul	4	26.0
Paoli	4		Shakopee	2	
Rockville	1		Winnebago	4	
Syracuse	6		Worthington	2	
Iowa:			Missouri:		
Carroll	5		Columbia	2	
Charles City	6		Hannibal	1	12.0
Davenport	5	19.0	Kansas City	2	10.0
Des Moines	1		Mexico	4	
Dubuque	5	21.0	Newhaven	4	
Iowa City	8		St. Louis	2	0.5
Keokuk	1	18.0	Springfield	2	
Ottumwa	2		Montana:		
Rockwell City	3		Havre	4	
Sibley	3		Kalispel	6	
Sioux City	1		Nebraska:		
Storm Lake	5		Falls City	1	
Kansas:			Omaha	(a)	15.5
Topeka	4	10.0	St. Paul	2	
Kentucky:			Wymore	2	
Hopkinsville	2		New Hampshire:		
Lexington	1		Bethlehem	13	
Mount Sterling	1		Hanover	8	
Maine:			Kéene	3	
Bangor	7		New Jersey:		
Buckfield	15		Atlantic City	17	
Eastport	5	17.0	Cape May	8	5.0
Gardiner	8	15.0	New Brunswick	13	10.0
Lewiston	8	23.0	New York:		
Orono	7		Albany	9	18.5
Portland	6		Atlanta	19	
Maryland:			Auburn	12	
Baltimore	1		Beaver	33	
Charlotte Hall	3		Binghamton	4	
Easton	6		Bolivar	29	
Fallston	6		Buffalo	9	16.0
Frederick	1		Canton	30	
Greenspring Fur	2		Catskill	5	
Pocomoke	4		Cooperstown	18	
Sunnyside	13		Franklinville	26	
Massachusetts:			Lockport	26	
Boston	8	0.0	Lowville	24	
Concord	14		Malone	36	
Mansfield	13		New York:		
Michigan:			North Creek	9	0.0
Alpena	12	14.5	North Creek	38	
Big Rapids	3		Nunda	9	
Detroit	3	16.0	Oswego	12	17.0
Escanaba	2	24.0	Penn Yan	6	
Grand Haven	5	12.0	Port Henry	6	
Hillsdale	3		Poughkeepsie	6	
Houghton	36	17.0	Rochester	13	13.0
Humboldt	19		Syracuse	18	
Iron Mountain	4		Watertown	30	

a Indicates trace

Snow and ice bulletin for the week ended February 16, 1902—Continued.

Stations.	Snow.	Ice in rivers, harbors, etc.	Stations.	Snow.	Ice in rivers, harbors, etc.
	<i>Inches.</i>	<i>Inches.</i>		<i>Inches.</i>	<i>Inches.</i>
North Carolina:			Rhode Island:		
Charlotte.....	9		Kingston.....	15	
Raleigh.....	12		Providence.....	10	
North Dakota:			South Dakota:		
Bismarck.....	2	25.0	Huron.....	2	
Williston.....	5	25.0	Pierre.....	3	22.0
Ohio:			Yankton.....	5	13.0
Bangorville.....	5		Tennessee:		
Canal Dover.....	2		Chattanooga.....	1	
Cincinnati.....	(a)	9.0	Knoxville.....	3	
Cleveland.....	2		Nashville.....	4	
Coalton.....	3		Vermont:		
Columbus.....	3	9.0	Brattleboro.....	10	6.5
Garrettsville.....	6		Northfield.....	29	
Greenville.....	2		St. Johnsbury.....	14	
Napoleon.....	1		Virginia:		
Portsmouth.....	1		Cape Henry.....	1	
Sandusky.....	1	15.0	Fredericksburg.....	4	
Tiffin.....	5		Lynchburg.....	1	
Toledo.....	2	8.0	Norfolk.....	1	
Pennsylvania:			Richmond.....	3	
Altoona.....	4		Westpoint.....	7	
Brookville.....	11		Woodstock.....	4	
Cassandra.....	18		West Virginia:		
Confluence.....	6		Elkins.....	1	
Erie.....	3	15.0	Fairmont.....	2	
Greensboro.....	1		Parkersburg.....	2	
Harrisburg.....	1	8.0	Wheeling.....	1	
Johnstown.....	5		Wisconsin:		
Oil City.....	6		Ashland.....	8	27.0
Parkers Landing.....	5		Green Bay.....	1	16.5
Philadelphia.....	11	5.0	La Crosse.....	5	20.0
Pittsburg.....	1	8.0	Medford.....	5	
Reitz.....	24		Mensaah.....	2	
Scranton.....	4		Milwaukee.....	3	0.0
Selingsgrove.....	2		New London.....	2	
Warren.....	14		Portage.....	3	
West Newton.....	3		Washburn.....	12	26.0

a Indicates trace.

FOREIGN AND INSULAR.

CHINA.

Reports from Hongkong.

HONGKONG, CHINA, *December 31, 1901.*

SIR: I have the honor to transmit herewith the abstract of bills of health issued at this station during the week ended December 28, 1901.

Ten vessels were inspected during the week, 400 individuals were bathed at the disinfecting station, and 494 bundles of clothing and bedding were disinfected. The usual precautions were taken with the cargo, except the routine inspection of that destined to Honolulu, which was impossible through lack of time. The last three weeks have been particularly busy ones. The disinfecting force has been increased by "the disinfecting bureau," but this in no way lessens the necessity of personal supervision. No cases of quarantinable disease were reported in the colony during the week, and but 2 cases of enteric fever. This is the healthiest season of the year in Hongkong, and at present but few deaths are reported.

Respectfully,

JOHN W. KERR,

Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

HONGKONG, CHINA, *January 6, 1902.*

SIR: I have the honor to transmit herewith the abstract of bills of health issued at this station for the week ended January 4, 1902. Twelve vessels were inspected during the week, 671 individuals were bathed at the disinfecting station, and 799 bundles of clothing and bedding were disinfected. One bill of health was issued to the Russian battleship *Sissoi Vilekij* without inspection on a certificate from the senior medical officer regarding the sanitary condition of the ship. One case of plague and 1 case of diphtheria were reported in the colony during the week, otherwise there were no communicable diseases.

Respectfully,

JOHN W. KERR,

Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

HONGKONG, CHINA, *January 14, 1902.*

SIR: I have the honor to transmit herewith the abstract of bills of health issued at this port during the week ended January 11, 1902. Six vessels were inspected during the week, 367 individuals were bathed at the disinfecting station, and 432 bundles of clothing and bedding were disinfected. No cases of communicable disease were reported in the colony during the week.

Respectfully,

JOHN W. KERR,

Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

CUBA.

*Reports from Cienfuegos, Casilda, and Santa Cruz del Sur.*CIENFUEGOS, CUBA, *February 10, 1902.*

SIR: Through the chief quarantine officer for the island of Cuba, I have the honor to transmit the following report for the district under my command, for the week ended February 8, 1902:

Fourteen deaths have occurred in this city. Of these, 2 occurred in the civil hospital. Causes of death as follows: Tuberculosis, 2; insufficiency, mitral, 2; paludism, 2; hyperemia, cerebral, 1; malarial fever, 1; anthrax, 1; tetanus, infantile, 1; sclerosis, arterial, 1; death by burning, 1; disease of the heart, 1; anasarca, 1. Death rate per 1,000 inhabitants, 18.25.

Two of the crew of the gunboat *Yankton*, United States Navy, were taken sick and cases diagnosed typhoid fever February 4. Patients have been transferred and isolated ashore in the San Rafael Sanatorium and the bedding and their personal property disinfected at the floating disinfecting plant of this station, under my personal direction and supervision. The disinfection of the *Yankton* was carried out by the surgeon on board. The origin of the infection in these cases is attributed to this city, although on careful investigation I have not been able to learn of the existence of any other cases in this city. Eleven vessels inspected and passed, granted free pratique; 3 vessels admitted without inspection; 17 bills of health issued vessels leaving this port, and 1 alien steerage passenger inspected and allowed to land.

Casilda.—Acting Asst. Surg. A. Cantero reports 2 deaths in the city of Trinidad. No contagious diseases reported; 13 vessels inspected and passed, granted pratique; 12 bills of health issued vessels leaving Casilda, and no alien steerage passengers landed at port during week.

Santa Cruz del Sur.—Acting Asst. Surg. P. M. Quevedo reports no deaths at that port during week ended February 1. No contagious diseases reported in that vicinity. Four vessels inspected and passed, granted pratique; 6 bills of health issued vessels leaving that port, and no alien steerage passengers landed at that port during same period.

Respectfully,

E. F. NUNEZ,

Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

Report of immigrants inspected at the port of Cienfuegos, Cuba, during the week ended February 8, 1902.

CIENFUEGOS, CUBA, ———.

SIR: I herewith submit report of alien steerage passengers at this port during the week ended February 8, 1902.

February 2, steamship *Diana*, from Barranquilla, with 1 immigrant.

Respectfully,

E. F. NUNEZ,

Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

Reports from Matanzas, Cardenas, Isabela de Sagua, and Caibarien.

MATANZAS, CUBA, February 5, 1902.

SIR: Through the chief quarantine officer for the island of Cuba, I have the honor to submit herewith the following sanitary report of the quarantine district under my command, for the week ended February 1, 1902:

Matanzas.—Eleven deaths occurred in the city of Matanzas during the period covered by this report, showing a mortality of 12.67 per 1,000. The principal causes of death were as follows: Senility, 2; arterio-sclerosis, 1; tetanus, infantile, 1; uræmia, 1; carcinoma, 1; pneumonia, 1; heart disease, 1; other causes, 3. Two cases of diphtheria were reported. Eleven vessels arrived during the week; 6 of these were inspected and passed and 5 passed without inspection; eleven bills of health were issued to vessels leaving this port.

I have the honor to transmit herewith mortality statistics for the city of Matanzas during the month of January, 1902. Tuberculosis, 13; broncho-pneumonia, 6; heart disease, 10; tetanus, infantile, 5; congenital debility, 5; nephritis, 4; senility, 3; enteritis, 2; septicæmia puerperal, 2; entero-septic fever, 2; meningitis, 2; bronchitis, 2; asphyxia, 2; hepatitis, 2; uræmia, 2; angina pectoris, 1; eclampsia, 1; peritonitis, 1; carcinoma, 1; rickets, 1; arterio-sclerosis, 1; pneumonia, 1; cerebral embolism, 1; unknown, 1. Total, 71. This shows a death rate of 18.81 per 1,000.

Cardenas.—Acting Asst. Surg. Enrique Sæz reports that 15 deaths occurred in Cardenas, of the following causes: Heart disease, 4; senility, 1; bronchitis, 1; rickets, 1; umbilical hemorrhage, 1; cerebral congestion, 1; tetanus, infantile, 1; anæmia, 1; hepatitis, 1; other causes, 3. No case of infectious or contagious character was reported. The death rate during the week was 31.51 per 1,000. Nineteen vessels arrived during the week; 3 of these were inspected and passed and 16 passed without inspection; 21 bills of health were issued to vessels leaving the port.

Isabela de Sagua.—Acting Asst. Surg. Pedro Garcia Riera reports that 11 vessels arrived during the week. One of these was inspected and passed and 10 passed without inspection; 11 bills of health were issued to vessels leaving the port. For the week ended January 25, 1902, he reports that 10 deaths occurred in the municipal district of Sagua, of the following causes: Tuberculosis, 1; heart disease, 1; cerebral embolism, 1; bronchitis, chronic, 1; pernicious fever, 1; cancer of the stomach, 1; meningitis, 1; other causes, 3. No case of infectious or contagious character was reported. The death rate during the week was 24.45 per 1,000.

Caibarien.—Acting Asst. Surg. Leoncio Junco reports that 4 deaths occurred in the municipal district of Caibarien, of the following causes: Stillborn, 2; tetanus, infantile, 1; acute myocarditis, 1. No case of infectious or contagious character was reported. The death rate during the week was 24.14 per 1,000. Ten vessels arrived during the week and were passed without inspection; 7 bills of health were issued to vessels leaving the port.

Respectfully,

G. M. GUITÉRAS,

Passed Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

MATANZAS, CUBA, *February 11, 1902.*

SIR: Through the chief quarantine officer for the island of Cuba, I have the honor to submit herewith the following sanitary report of the quarantine district under my command, for the week ended February 8, 1902:

Matanzas.—Thirteen deaths occurred in the city of Matanzas during the period covered by this report, showing a mortality of 14.96 per 1,000. The principal causes of death were as follows: Tuberculosis, 2; nephritis, 2; hepatitis, 2; diphtheria, 1; eclampsia, 1; arterio-sclerosis, 1; broncho pneumonia, 1; other causes, 3. Two cases of diphtheria were reported. Four vessels arrived during the week; 3 of these were inspected and passed and 1 passed without inspection; 4 bills of health were issued to vessels leaving this port.

Cardenas.—Acting Asst. Surg. Enrique Saez reports that 6 deaths occurred in Cardenas during the week, of the following causes: Tuberculosis, 1; meningitis, 1; myelitis, 1; uræmia, 1; other causes, 2. No case of infectious or contagious character was reported. The death rate during the week was 12.60 per 1,000. Sixteen vessels arrived during the week; 2 of these were inspected and passed and 14 passed without inspection; 16 bills of health were issued to vessels leaving the port.

Isabela de Sagua.—Acting Asst. Surg. Pedro Garcia Riera reports that 17 vessels arrived during the week; 3 of these were inspected and passed and 14 passed without inspection. Fifteen bills of health were issued to vessels leaving the port. For the week ended February 1, 1902, he reports that 12 deaths occurred in the municipal district of Sagua, of the following causes: Tuberculosis, 3; rickets, 1; intestinal occlusion, 1; pleuro-pneumonia, 1; post-partum hemorrhage, 1; heart disease, 1; intestinal congestion, 1; other causes, 3. No case of infectious or contagious character was reported. The death rate during the week was 29.34 per 1,000.

Caibarien.—Acting Asst. Surg. Leoncio Junco reports that 2 deaths of tuberculosis were reported during the week. The death rate was 12.07 per 1,000. No case of infectious or contagious character was reported. Nine vessels arrived during the week; 1 of these was inspected and passed and 8 passed without inspection; 5 bills of health were issued to vessels leaving the port.

Respectfully,

G. M. GUITÉRAS,

Passed Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

Reports from Nuevitas, Puerto Padre, Gibara, and Baracoa.

NUEVITAS, CUBA, *February 3, 1902.*

SIR: Through the chief quarantine officer for the island of Cuba, I have the honor to submit the following report of the third quarantine district of Cuba under my command, for the week ended February 1, 1902: Four vessels arrived at this port during the week and 6 bills of health were issued. There was 1 death reported from cirrhosis of liver. The weather has been warm through the week and the sanitary condition good.

Puerto Padre.—Report shows the arrival of 3 vessels, the issuance of 4 bills of health, 1 death from malarial fever, and good sanitary condition.

Gibara.—Report shows the arrival of 8 vessels, the issuance of 8 bills of health, no deaths, and good sanitary condition.

Baracoa.—Report shows the arrival of 2 vessels, 2 bills of health issued, 4 deaths—laryngeal diphtheria, 1; pernicious fever, 1; rachitis, 1, and malarial fever, 1; sanitary condition good.

No quarantinable disease reported at any point in the district.

Respectfully,

OWEN W. STONE,

Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

NUEVITAS, CUBA, *February 3, 1902.*

SIR: I have the honor to submit inclosed reports of transactions at the subports of Gibara and Baracoa under my command, for the week ended January 25, 1902, to wit: Weekly report of vessels arrived, abstract of bills of health issued, and weekly report of arrival of alien steerage passengers.

Respectfully,

OWEN W. STONE,

Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON GENERAL,

U. S. Marine-Hospital Service.

NUEVITAS, CUBA, *February 3, 1902.*

SIR: I have the honor to submit inclosed the following reports of transactions at some of the subports under my command:

Baracoa.—Report of immigrants inspected during the month of January, 1902, weekly report of vessels arrived, weekly abstract of bills of health issued, and weekly report of arrival of alien steerage passengers for the week ended February 1, 1902.

Puerto Padre.—Same reports for the week ended February 1, 1902, also report of immigrants inspected during the month of January, 1902.

Gibara.—Weekly report of transactions in the week ended February 1, 1902.

Respectfully,

OWEN W. STONE,

Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

Inspection of immigrants at Nuevitas for the week ended February 1, 1902.

NUEVITAS, CUBA, *February 1, 1902.*

SIR: I submit herewith report of alien steerage passengers arriving at this port during the week ended February 1, 1902. January 31, steamship *Julia*, from Santo Domingo, with 1 immigrant.

Respectfully,

OWEN W. STONE,

Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

Report of immigrants inspected at the port of Nuevitas, Cuba, during the month of January, 1902.

Total number of immigrants inspected, 4.

OWEN W. STONE,

Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

*Reports from Santiago, Manzanillo, Guantanamo, and Daiquiri.*SANTIAGO DE CUBA, *January 31, 1902.*

SIR: Through the chief quarantine officer for the island of Cuba, I have the honor to submit herewith the following report for the week ended January 25, 1902:

Santiago.—There was a total of 22 deaths reported during this period, making the annual rate mortality for the week, 26.60 per 1,000. The causes of death were as follows: Tubercle of lungs, 6; tubercle, abdominal, 1; cancer of larynx, 1; diseases of the spinal cord, 1; cerebral softening, 1; organic diseases of the heart, 2; pneumonia, 1; pulmonary congestion, 1; diseases of the respiratory apparatus, 3; diarrhea and enteritis (under 2 years), 2; congenital debility, 1; ill-defined or unspecified causes, 2. During the week 8 vessels were inspected and passed on arrival, 6 vessels were passed without inspection, and 10 vessels received bills of health prior to sailing. The provisional flag steamship *Maria Herrera* was disinfected prior to sailing for Porto Rico. Two nonimmune certificates were issued to passengers. Nine pieces of baggage were disinfected.

Manzanillo.—Acting Asst. Surg. R. de Socarras reports 2 deaths, due to the following causes: Cerebral congestion and hemorrhage, 1; affections of the arteries, 1. Annual rate of mortality for the week, 7.18 per 1,000. During the week 3 vessels were inspected and passed on arrival, 3 vessels were passed without inspection, and 9 vessels received bills of health prior to leaving port.

Guantanamo.—Acting Asst. Surg. Luis Espin reports 5 deaths, due to the following causes: Fever, malarial, pernicious, 1; tubercle of lungs, 1; cerebral hemorrhage, 1; endocarditis, 1; diarrhea and enteritis (2 years and over), 1. Estimated population, 18,000. Annual rate mortality, 14.44 per 1,000 for the week. During the week 1 vessel was inspected and passed on arrival, 4 vessels passed without inspection, and 3 vessels received bills of health.

Daiquiri.—No report.

Respectfully,

R. H. VON EZDORF,
Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

*Inspection of immigrants at Santiago de Cuba during the week ended January 25, 1902.*SANTIAGO DE CUBA, *January 25, 1902.*

SIR: I herewith submit report of alien steerage passengers arriving at this port during the week ended January 25, 1902. January 24, Spanish steamship *Santanderino*, from Liverpool and Spanish ports, with 26 immigrants.

Respectfully,

R. H. VON EZDORF,
Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

*Inspection of immigrants at Santiago for the week ended February 1, 1902.*SANTIAGO DE CUBA, *February 1, 1902.*

SIR: I herewith submit report of alien steerage passengers arriving at this port during the week ended February 1, 1902:

Date.	Vessel.	Where from.	No. of immigrants.
Jan. 28	Provisional flag steamship Julia.....	San Juan, P. R., and Santo Domingo.....	9
Do.....	Spanish steamship Berenguer el Grande.	Barcelona and Spanish ports.....	92
Jan. 31	American steamship Santiago.....	New York.....	3
	Total.....		104

Respectfully,

R. H. VON EZDORF,
Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

Report of immigrants inspected at the port of Santiago de Cuba during the month of January, 1902.

Total number of immigrants inspected, 165; number passed, 165.

R. H. VON EZDORF,
Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

Report of immigrants inspected at the port of Guantanamo, Cuba, during the month of January, 1902.

Total number of immigrants inspected, 7; number passed, 7.

LUIS ESPIN,
Acting Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

ENGLAND.

*Report from Liverpool.*LIVERPOOL, ENGLAND, *January 25, 1902.*

SIR: I have the honor to make the following report for the week ended January 25, 1902: There were reported to the health authorities 8 cases of smallpox, 1 case of typhus fever, 18 cases of enteric fever, 100 of scarlet fever, 21 of diphtheria, 15 of measles, and 115 of whooping cough.

I inclose a clipping taken from the Liverpool Post of January 24, 1902.

I think the recent plague outbreak can now be considered a thing of the past, with no likelihood of another case arising unless from an entirely new center of infection.

Respectfully,

CARROLL FOX,
Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

[Inclosure.]

Smallpox outbreak in Liverpool.

At yesterday's meeting of the Liverpool health committee, Dr. Hope, the medical officer of health, in his weekly returns, reported a death rate of 21.9 per 1,000 for the week ended January 18, which was about the same as the corresponding week last year. He also reported that there were under treatment in the city hospitals 647 patients suffering from zymotic diseases—18 from smallpox; 500, scarlet fever; 1, typhus fever; 46, typhoid fever; 56, diphtheria, and 26 other zymotics (isolated).

The chairman, Alderman Menlove, called attention to the record in the health statistics of 18 cases of smallpox in the city hospital. He invited a statement from the medical officer on the subject.

The medical officer, Dr. Hope, said that the majority of the cases were sea borne, the patients having arrived from America. They were mostly from Boston, and nearly all appeared to be cattlemen or associated with cattlemen. Besides them, they had 1 person from London, who developed smallpox shortly after arrival here, and there was an immigrant who had crossed from the Continent who developed smallpox on arriving at the emigration house; and, so far as they had been traced, he knew exactly what were the sources of infection, and there appeared to be no great reason to apprehend any spread of the disease. At the same time, everybody knew that there was no disease so infectious as smallpox, and when it was found that some of those cattlemen had actually been in lodging houses or scattered about in different parts of the town it certainly behooved every person who desired to protect himself to do so by vaccination or by ascertaining that the vaccination was adequate. It might be a somewhat stale recommendation to urge once more the necessity for vaccination, but he would like to call attention with forcible emphasis to the value of this precautionary measure. The committee was aware that some years ago they made an order that everybody employed in smallpox hospitals in Liverpool should be revaccinated. That order was made some fifteen years ago, and he reckoned that since then 400 people, including doctors, nurses, matrons, servants, and laundry women, had been in contact, some of them in close contact, with smallpox patients in the smallpox hospital. Now, every one of these who had been revaccinated had remained absolutely immune (hear, hear). Not one single person who had been in the closest possible attendance upon smallpox patients had contracted the disease, and the whole of that was entirely owing to efficient vaccination. It might be said by inexperienced people, who might know little about these matters, that the protection was owing to the excellence of the wards, good ventilation, and so on, but if they turned to other forms of infectious disease, treated in wards equally good and well ventilated, they found there a very different state of things. For example, there was no protecting of the nurses against scarlet fever, or typhus, or diphtheria by vaccination. From the records of these wards they found that no fewer than 83 nurses, servants, and others had during the same time contracted one or other of these forms of disease (hear, hear). That, he thought, proved a very conclusive argument in a very simple form as to the action of vaccination. It was a very trifling operation, but it gave absolute immunity from the most formidable disease they had to contend against.

The chairman expressed the hope that every precaution had been taken.

Dr. Hope replied in the affirmative, assuring the committee that everything was under the closest supervision.

The chairman said that he gathered also that the medical officer's recommendation was that even people who seemed to be in perfect health should be revaccinated.

Dr. Hope again replied in the affirmative, and repeated that he thought there was no ground for alarm.

In reply to a question by Alderman Houlding, as to whether the people who had been in contact with the smallpox patients in the lodging house had been traced, Dr. Hope said that as far as they could be traced they had been revaccinated wherever they would submit to the operation. That was the first thing done.

Dr. Bligh asked if there were any precautions necessary which could immediately be adopted. Dr. Hope said that everything had been done in the way of precaution.

Mr. Shelmerdine remarked that the port sanitary authority was not armed with power to order compulsory isolation in the same way that they were at liberty to do in regard to yellow fever, plague, and fever. He hoped such power would be available before long. He cited as an additional reason that the fact of people crossing from America who might have contracted the disease on the high seas, and yet they would land some time before the period of incubation, which occupied twelve days.

At a meeting of the Toxteth board of guardians yesterday, the clerk, Mr. Moulding, read a circular letter from the local government board urging precautions to be taken against the danger of the spread of smallpox by means of casual paupers. It was

pointed out that persons suffering from the disease should be removed to hospital, and that nurses and other attendants should be protected by vaccination. The clerk said that all the recommendations of the board were in force at Toxteth. Patients suffering from smallpox and other infectious diseases were at once removed to the city hospitals, and so well equipped medically was the workhouse that every case could be examined on admission.

Seventeen fresh cases of smallpox occurred in London yesterday as compared with 35 on Wednesday.

The large cattle steamer *Jacona*, of Dundee, from Portland, Me., arrived at Blyth yesterday. After discharging cargo in the Thames, she landed at London 2 cattlemen suffering from smallpox, and at Blyth yesterday landed the messroom steward, suffering from the same disease. The patient has been taken to hospital, and the ship has been thoroughly disinfected. It is hoped no further cases will occur.

The current rate of insurance against the risk of smallpox is 2s. 6d. per cent if recently vaccinated, or 3s. 4d. per cent if not vaccinated recently. Large numbers of persons are said to be availing themselves of this facility for providing against being laid up by the epidemic. These insurances cover for twelve months.

HAWAIIAN ISLANDS.

Two deaths from plague in Honolulu.

HONOLULU, H. I., *January 30, 1902.*

SIR: Referring to my telegram of the 29th instant, in which I reported a death from plague at Honolulu on January 23 and January 24, I have the honor to state as follows:

Ah Kai, a male Chinese, was found dead on January 23 at a house on the northern side of King, near Punchbowl street. The duration of the illness had been three days, but the case had not been attended by a physician. There was a bubo in the left femoral region.

The necropsy findings, together with the bacteriological examination, made the diagnosis of bubonic plague conclusive. It was impossible to trace the source of infection in this case. No dead rats were found about the premises, nor had any ever been seen.

The next case, No. 14 of this series, was in a male Japanese named Yoshida Makuichi. This man lived on the western side of Punchbowl street north of Queen. He died on January 24 after an illness of three days. The diagnosis was determined by the usual methods. The source of infection in this case could not be traced.

Respectfully,

L. E. COFER,
*Passed Assistant Surgeon, U. S. M. H. S.,
Chief Quarantine Officer, Hawaii.*

THE SURGEON-GENERAL,
U. S. Marine-Hospital Service.

Five deaths from plague at Eleele, Kauai.

HONOLULU, H. I., *January 30, 1902.*

SIR: I have the honor to report the following particulars in connection with the 5 deaths from plague at Eleele, Kauai, which are referred to in my telegrams of January 21 and January 29, respectively. An official report from Acting Asst. Surg. E. S. Goodhue, at Koloa, Kauai, shows that out of a series of 8 deaths occurring at Eleele between January 8 and January 26, 5 were conclusively proved to have been caused by plague, and the remaining 3 were suspicious enough to cause the belief that death was due to this disease.

Case 1.—K. F., inception, January 7; death, January 10; ill three days; attended by Dr. Nokazowa and death reported from typhoid fever (?);

symptoms reported were headache, prostration, and fever. First suspicious case.

Case 2.—H. R., inception, January 11; death, January 13; ill two days; attended by Dr. Nokazowa and reported as malarial fever; symptoms reported were chills, headache, and vomiting. Second suspicious case.

Case 3.—H., inception, January 14; death, January 16; ill two days; no physician; seen by Dr. W. J. Goodhue after death of patient; body covered with petechiæ, and in two hours after death rigor mortis was present; glands not discoverable by palpation; history (through friends) of headache, prostration, and high fever. Third suspicious case.

Case 4.—K. Y., inception, January 14; death, January 18; ill four days; attended by Dr. W. J. Goodhue; temperature range first, second, and third day from 103° to 105° F.; pulse, 140 to 144; symptoms were furred tongue, restlessness, dizziness, injected conjunctivæ, vomiting, urine scanty, and constipation; second day, inguinal gland enlarged and extremely tender; third day, painful bubo in right groin; last day, lower temperature, dilated pupils, compressible and rapid pulse; necropsy by Drs. W. J. and E. S. Goodhue, Eleele; diagnosis of bubonic plague confirmed by bacteriological examination made in Honolulu.

Case 5.—Inception, January 17; death, January 19; ill two days; attended by Dr. W. J. Goodhue, who performed the necropsy; diagnosis of bubonic plague confirmed by bacteriological examination.

Case 6.—S. S., female; inception, January 18; death, January 22; ill four days; attended three days by Dr. Nokazowa and one day by Dr. W. J. Goodhue; temperature, 103° to 105° F.; pulse, 140; persistent vomiting; last day inguinal glands became enlarged and painful, constipation extreme, and headache persistent; two hours before death temperature was subnormal with pulse of 150; necropsy by Dr. W. J. Goodhue, of Eleele; diagnosis of bubonic plague confirmed.

Case 7.—T. J., inception, January 18; death, January 23; ill five days; attended by Dr. W. J. Goodhue, who performed the necropsy; diagnosis of bubonic plague confirmed.

Case 8.—Inception, January 24; death, January 26; ill two days; not attended by any physician, as he was secreted by his friends who were afraid he would be sent to the pesthouse; immediately after death, body was examined by Dr. W. J. Goodhue, who performed the necropsy; diagnosis of bubonic plague confirmed.

All of these persons had been employed at Eleele for a year or more and had been working around the warehouse of the McBride plantation, in which, on January 11, a consignment of Japanese goods from Honolulu had been placed, and in which, on January 14, 24 dead rats had been found. The steamship *Nihau*, which carried this freight, was disinfected on December 14. Dr. Pratt, the executive officer of the board of health, who has just returned from Eleele, states that it is his opinion that the infection was carried by oriental food products. All unloading at Eleele is done by means of small boats, as there are no wharves there and all vessels must lie outside of the reef. On account of the rough sea the packages are practically thrown into the boats. When these latter reach the shore the freight is landed in much the same manner. The chances of an infected rat reaching the shore under such circumstances must be small unless he had cut his way into a box and afterwards died there. This latter theory is the only one that will explain the finding of a number of dead rats only three days after the freight had landed. This freight came from Japan, a country believed to be free from plague, and was given a disinfection *in situ* upon its arrival.

here. If the freight became infected in Honolulu, which is possible, such infection, unless it occurred in the way mentioned above, is opposed to the great majority of opinions regarding infection by freight. Acting Assistant Surgeon Goodhue has been very prompt and thorough in his disinfection work at Eleele. There have been no further developments since January 26.

Respectfully,

L. E. COFER,
Passed Assistant Surgeon, U. S. M. H. S.,
Chief Quarantine Officer, Hawaii.

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

Another death from plague at Eleele, Kauai.

HONOLULU, HAWAII, February 7,
via San Francisco, Cal., February 14, 1902.

WYMAN, Washington, D. C.: There was a death from plague at Eleele, Kauai, on February 1.—COFER.

ITALY.

Report from Naples—Inspection at Palermo.

NAPLES, ITALY, February 3, 1902.

SIR: I have the honor to report that for the week ended February 1, 1902, the following ships were inspected at Naples:

January 26, the steamship *Fürst Bismarck*, of the Hamburg-American Line, bound with passengers and cargo for New York. There were inspected and passed 652 steerage passengers and 90 pieces of large baggage; 1,050 pieces of baggage were disinfected by steam.

January 26, the steamship *Commonwealth*, of the Dominion Line, bound with passengers and cargo for Boston. There were inspected and passed 763 steerage passengers and 110 pieces of large baggage; 1,450 pieces of baggage were disinfected by steam.

January 28, the steamship *Liguria*, of the Italian General Navigation Company, bound with passengers and cargo for New York. There were inspected and passed 450 steerage passengers and 36 pieces of large baggage; 450 pieces of baggage were disinfected by steam.

January 30, the steamship *Trojan Prince*, of the Prince Line, bound with passengers and cargo for New York. There were inspected and passed 433 steerage passengers and 50 pieces of large baggage; 600 pieces of baggage were disinfected by steam.

January 31, the steamship *California*, of the Anchor Line, bound with passengers and cargo for New York. There were inspected and passed 324 steerage passengers and 40 pieces of large baggage; 441 pieces of baggage were disinfected by steam.

Inspection at Palermo.

At Palermo for the week ended February 1, 1902, the following ship was inspected:

January 31, the steamship *Trojan Prince*, of the Prince Line, bound with passengers and cargo for New York. There were inspected and passed 86 steerage passengers and 25 pieces of large and 150 pieces of small baggage.

Smallpox in Naples.

During the week ended February 1, 1902, there were officially reported at Naples 5 cases of smallpox with no deaths.

Plague.

It is reported from Constantinople that the sanitary board has removed the quarantine on arrivals from Smyrna on account of plague. There have been a number of cases of bubonic plague and several deaths at Bagdad.

Respectfully,
 J. M. EAGER,
Passed Assistant Surgeon, U. S. M. H. S.
 The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

JAPAN.

Report from Yokohama.

YOKOHAMA, JAPAN, *January 20, 1902.*

SIR: I have the honor to transmit herewith an abstract of the bills of health issued at this port during the week ended January 18, 1902. There were inspected 4 vessels with 292 crew, 26 cabin, and 49 steerage passengers. Five steerage passengers from this port were bathed and their effects were disinfected. No quarantinable disease has been reported and the sanitary condition of the port remains good.

Respectfully,
 J. SPENCER HOUGH,
Acting Assistant Surgeon, U. S. M. H. S.
 The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

NEW BRUNSWICK.

Inspection service at St. John.

ST. JOHN, NEW BRUNSWICK, *February 10, 1902.*

SIR: I have the honor to report that for the week ended February 8, there were inspected 78 immigrants; passed, 77; detained, 1; cause of detention, favus, 1.

Respectfully,
 VICTOR G. HEISER,
Assistant Surgeon, U. S. M. H. S.
 The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

ST. JOHN, NEW BRUNSWICK, *February 11, 1902.*

SIR: I have the honor to report that during the week ended February 8, the following vessels with their crews have been inspected at this port: Steamer, 1; schooners, 5; seamen, 87.

Respectfully,
 T. DYSON WALKER,
United States Medical Inspector.
 The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

PHILIPPINE ISLANDS.

*Disinfection of boats at Manila in order to destroy rats.*MANILA, P. I., *December 28, 1901.*

SIR: I have the honor to report, in view of the fact that plague has reappeared in Manila, that 2 per cent of all rats examined by the board of health are infected with this disease, and, in order to minimize the dissemination of plague to other places in the Philippine Islands and United States ports, I have commenced the disinfection of all boats at Manila for the purpose of killing the rats on board to eliminate this principal if not sole factor in spreading the disease. All boats, of whatever size or class, that are tight enough to permit the use of sulphur are disinfected with that agent, and the board of health, working in conjunction, have a force of men killing the rats on cascoes and lorchas and other small boats in which disinfection is impracticable. An attempt is also being made to destroy the rats in warehouses and other buildings along the river, so that the ships will not immediately become reinfested with these animals.

The inclosed circular letter was sent to all the agents of vessels and no difficulty will be experienced in carrying out the work as outlined.

Respectfully,

J. C. PERRY,

*Passed Assistant Surgeon, U. S. M. H. S.,
Chief Quarantine Officer for the Philippine Islands.*

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

[Inclosure.]

MANILA, P. I., *December 17, 1901.*

SIR: In view of the fact that plague still exists in the city of Manila, and that 2 per cent of all rats, as demonstrated by the board of health examinations, are affected with this disease, it becomes necessary to take active measures to prevent its spread to other parts of the islands by importation of infected rats.

It has been demonstrated that rats are the principal if not the only factor in the spread of plague, and ships almost invariably become infected from this source, therefore I deem it necessary to disinfect all vessels of whatever size or nature sailing from Manila to other Philippine ports, in order to destroy the rats on board, and thereby prevent the ship from becoming infected and carrying plague to other places.

You are hereby notified that this disinfection will commence on Monday, December 30, 1901, and will continue until all vessels have been disinfected for killing rats. This work will be done in Manila when the ship is unloaded and before new cargo is taken on board. It will only be necessary to delay the vessel about twelve hours, or not at all, if the ship is unloaded during the afternoon, so that sulphur can be placed in the ship, and the hatches of the vessel kept closed during the night (about twelve hours), as on the following morning the loading can be commenced.

No vessel leaving Manila after the date specified will be granted a bill of health until this disinfection has been done.

You are required to notify this office promptly at what hour and date the vessel will be unloaded and ready for disinfection, and the place in the river at which the boat is anchored. This is essential to facilitate the work, and cause as little delay to the vessel as possible.

Trusting I will have your hearty cooperation in this matter.

Respectfully,

J. C. PERRY,

*Passed Assistant Surgeon, U. S. M. H. S.,
Chief Quarantine Officer for the Philippine Islands.*

STEAMSHIP AGENTS, *Manila, P. I.*

Increase in the percentage of rats infected with plague.

MANILA, P. I., *January 6, 1902.*

SIR: I have the honor to report that 4 cases of plague with 4 deaths (all Filipinos) and 1 case of smallpox occurred in Manila during the two weeks ended December 28, 1901. All the plague cases occurred during the latter week embraced by this report.

I will also respectfully state that the number of rats affected with plague has increased and now amounts to 5 per cent of all such animals caught and examined. These plague rats are found in all sections of the city, in the best residence portions as well as in the crowded districts. In fact, the smallest number of affected rats are found in the section in which most of the plague cases occurred during the last epidemic, the greatest number being found on the outskirts of these districts.

Respectfully,

J. C. PERRY,

*Passed Assistant Surgeon, U. S. M. H. S.,
Chief Quarantine Officer for the Philippine Islands.*

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

SCOTLAND.

Reports from Glasgow—Smallpox increasing.

GLASGOW, SCOTLAND, *January 27, 1902.*

SIR: I have the honor to report that the health of this city and Scotland in general remains satisfactory. There has been a slight increase in number of smallpox cases during the week, and there are now 55 under treatment. A few cases have also occurred in neighboring towns. In England for the week ended January 18 there were 59 deaths from smallpox, and of these, 55 occurred in London, 3 in Tottenham, and 1 in Hernsey. There are considerably more than 800 cases of smallpox under treatment in London at the present time, but the number of new cases seems to be falling off somewhat.

The report of plague from South Africa shows that for the week ended January 11 there was 1 case at Port Elizabeth and 2 cases at Mossell Bay. In Mauritius for the week ended January 16 there were 27 cases, with 21 deaths.

Respectfully,

A. R. THOMAS,

Passed Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

GLASGOW, SCOTLAND, *February 4, 1902.*

SIR: I have the honor to report that for the past week the health of Glasgow and Scotland in general remains about the same. Cases of smallpox continue to occur and during the week there have been 2 deaths from that disease. Smallpox in London has increased considerably during the week, as many as 80 cases having been reported in one day, and there are now more than 1,000 cases in hospital. For the week ended January 25, there were 38 deaths from that disease in England, and of these, 34 were in London and the others in neighboring

towns. I inclose a table that has just been issued showing the condition as regards vaccination of those who have died from smallpox from the beginning of the present epidemic up to January 11.

As regards plague there is no news from South Africa, but in Mauritius for the week ended January 23, there were 14 cases and 7 deaths, and for the week ended January 30, there were 12 cases and 9 deaths. In Egypt, for the week ended January 19, there were 17 cases and 14 deaths and for the past week there are reported 14 cases and 10 deaths, chiefly at Tanta. Since April 7 last, there has been a total of 278 cases and 163 deaths.

Respectfully,

A. R. THOMAS,

Passed Assistant Surgeon, U. S. M. H. S.

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

SWEDEN.

Tuberculosis in Gothenburg.

GOTHENBURG, SWEDEN, *January 27, 1902.*

SIR: The tuberculosis question has for some time past received considerable attention in Sweden, and in 1897, the twenty-fifth anniversary of King Oscar's ascension to the throne, money was subscribed from all parts of the country to a fund to be used for building of State sanatoriums for consumptives. The boards of health in the country have also been more active in order to prevent further spreading of this disease; and many persons have proposed stricter regulations as to disinfection of dwellings and articles of clothing left by deceased consumptives. This is considered necessary because the largest number of consumptives are poor and often obliged to live in the same room with the rest of the family, and their clothing may finally be sold at public auction.

The city of Gothenburg is to a considerable extent built on ground formed by mud deposition of the Göta River, and, the climate being damp, diseases of the respiratory organs are very common here. Macadamized streets are also used here to a great extent, and as they, in spite of frequent sprinklings, are very dusty in dry weather, it is claimed that they also tend to develop such diseases. The problem to prevent spreading of tuberculosis and if possible to cure persons suffering from consumption in the first stages is therefore considered to be perhaps the most important question in Gothenburg. The chief city physician has made an investigation in this matter, and he estimates the number of consumptives in Gothenburg to be at least 1,700, and states that each year 350 of the city inhabitants die from tuberculosis. For certain reasons, other persons, as well as the press, consider these figures too low, holding that 2,000 and 400, respectively, would be about correct figures, scrofulous children not counted. Thus, in this city of 131,000 inhabitants, nearly 1 person out of every 60 suffers from tuberculosis, and more than every fifth death is caused by this dangerous disease. The city sanitary statistics for the year 1901 state that the deaths from tuberculosis that year numbered 454, whereof 352 were from pulmonary consumption, 80 from tubercular inflammation of the brain, and 22 from tuberculosis in other parts of the body. Total deaths from all causes, 1,896. The city council is therefore now work-

ing on a plan or proposition that the city should build a special hospital for consumptives considered curable and an asylum for incurable ones.

Respectfully,

ROBERT S. S. BERGH,
United States Consul.

The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

Foreign and insular statistical reports of countries and cities—Yearly and monthly.

AFRICA—Sierra Leone.—Week ended January 17, 1902. Estimated population, 40,000. Total number of deaths, 31. No contagious diseases reported.

BAHAMAS—Dunmore Town.—Two weeks ended January 31, 1902. Estimated population, 1,232. No deaths and no contagious diseases.

Governors Harbor.—Two weeks ended February 1, 1902. Estimated population, 1,575. No deaths and no contagious diseases.

Green Turtle Cay—Abaco.—Two weeks ended January 29, 1902. Estimated population, 3,314. No deaths and no contagious diseases.

Fortune Island.—Four weeks ended December 21, 1901. Estimated population, 3,661. No deaths and no contagious diseases.

Nassau.—Two weeks ended February 1, 1902. Estimated population, 12,535. Number of deaths not reported. No contagious diseases reported.

BRAZIL—Ceara.—Month of December, 1901. Estimated population, 50,000. Total number of deaths, 67, including enteric fever, 10, and 1 from smallpox.

CUBA—Santiago de Cuba.—Month of December, 1901. Estimated population, 45,000. Total number of deaths, 82, including diphtheria, 1, and 22 from tuberculosis.

FRANCE—Nice.—Month of December, 1901. Estimated population, 127,027. Total number of deaths, 233, including diphtheria, 2; enteric fever, 2; smallpox, 25, and 27 from tuberculosis.

Rouen.—Month of December, 1901. Estimated population, 112,657. Total number of deaths, 244, including diphtheria, 1; enteric fever, 4; measles, 2, and 44 from tuberculosis.

GERMANY—Weimar.—Month of December, 1901. Estimated population, 29,509. Total number of deaths, 39, including 2 from diphtheria.

GREAT BRITAIN—England and Wales.—The deaths registered in 75 great towns in England and Wales during the week ended January 25, 1902, correspond to an annual rate of 17.7 per 1,000 of the aggregate population, which is estimated at 14,862,003.

Bradford.—Two weeks ended January 25, 1902. Estimated population, 281,770. Total number of deaths, 185, including diphtheria, 4; enteric fever, 1; measles, 7; whooping cough, 5, and 19 from tuberculosis.

London.—One thousand five hundred and seventy-one deaths were registered during the week, including measles, 46; scarlet fever, 11;

diphtheria, 31; whooping cough, 23; enteric fever, 9; smallpox, 34, and diarrhea and dysentery, 14. The deaths from all causes correspond to an annual rate of 17.9 per 1,000. In Greater London 2,131 deaths were registered. In the "outer ring" the deaths included 8 from diphtheria, 3 from measles, 1 from scarlet fever, 4 from smallpox, and 1 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended January 25, 1902, in the 21 principal town districts of Ireland was 21.0 per 1,000 of the population, which is estimated at 1,092,322. The lowest rate was recorded in Kilkenny, viz, 0.0, and the highest in Galway, viz, 42.8 per 1,000. In Dublin and suburbs 158 deaths were registered, including diphtheria, 1; enteric fever, 1; measles, 1; whooping cough, 1, and 19 from tuberculosis.

Scotland.—The deaths registered in 8 principal towns during the week ended January 25, 1902, correspond to an annual rate of 20.3 per 1,000 of the population, which is estimated at 1,656,525. The lowest mortality was recorded in Leith, viz, 11.2, and the highest in Glasgow, viz, 22.1 per 1,000. The aggregate number of deaths registered from all causes was 656, including diphtheria, 5; measles, 31; scarlet fever, 4; smallpox, 2, and 13 from whooping cough.

JAMAICA—Kingston.—Month of January, 1902. Estimated population, 46,542. Total number of deaths, 81, including 20 from phthisis pulmonalis.

NEW BRUNSWICK—St. John.—Year ended December 31, 1901. Estimated population, 40,711. Total number of deaths, 736, including diphtheria, 28; smallpox, 23, and 88 from phthisis pulmonalis.

PHILIPPINES—Manila.—Month of November, 1901. Estimated population, 250,000. Total number of deaths, 848, including enteric fever, 6, and 62 from tuberculosis.

RUSSIA—Riga.—Month of November, 1901. Estimated population, 282,000. Total number of deaths, 509, including diphtheria, 9; enteric fever, 15; measles, 11; scarlet fever, 63; whooping cough, 6, and 50 from phthisis pulmonalis.

SPAIN—Malaga.—Month of December, 1901. Estimated population, 133,000. Total number of deaths, 359, including enteric fever, 7, and 24 from smallpox.

Valencia.—Two weeks ended January 15, 1902. Estimated population, 204,000. Total number of deaths, 316, including 30 from smallpox.

SWITZERLAND.—Reports for the two weeks ended January 11, 1902, from 18 cities and towns having an aggregate estimated population of 740,000, show a total of 573 deaths, including diphtheria, 10; enteric fever, 1; measles, 3; whooping cough, 4, and 63 from phthisis pulmonalis.

WEST INDIES—St. Thomas.—Two weeks ended January 24, 1902. Estimated population, 11,012. Total number of deaths, 18. No contagious diseases.

Cholera, yellow fever, plague, and smallpox, December 27, 1901, to February 21, 1902.

[Reports received by the Surgeon-General United States Marine-Hospital Service from United States consuls through the Department of State and other sources.]

[For reports received from June 29, 1901, to December 27, 1901, see PUBLIC HEALTH REPORTS for December 27, 1901.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay	Nov. 28-Jan. 14	.....	11	
Calcutta.....	Nov. 24-Jan. 11	.....	179	
Madras.....	Nov. 16-Jan. 3	.....	73	
Java:				
Batavia.....	Nov. 17-Dec. 14	48	27	
Straits settlements:				
Singapore.....	Oct. 1-Dec. 28	.....	37	

YELLOW FEVER.

Brazil:				
Bahia.....	Dec. 1-Dec. 7	1	1	
Rio de Janeiro.....	Nov. 11-Jan. 12	.....	24	
British West Indies:				
Barbados.....	Dec. 13.....	.....	.....	Prevalent.
Dutch Guiana:				
Paramaribo.....	Dec. 1-Jan. 17	11	7	
Mexico:				
Vera Cruz.....	Dec. 15-Feb. 8	33	23	

PLAGUE.

Africa:				
Mossel Bay, Cape Colony.....	Dec. 6.....	.....	.....	Reported.
Brazil:				
Rio de Janeiro.....	Nov. 11-Jan. 12	.....	76	
China:				
Hongkong	Dec. 8-Jan. 4	2	1	
Egypt:				
Aboussir	Apr. 7-Jan. 29	2	.....
Alexandria.....	.....do.....	52	26	
Benha .....	.....do.....	5	3	
Mansourah.....	.....do.....	1	1	
Minieh .....	.....do.....	5	1	
Mit-Gamr .....	.....do.....	23	14	
Port Said .....	.....do.....	26	16	
Tantah .....	.....do.....	65	53	
Zagazig .....	.....do.....	77	32	
Ziftah .....	.....do.....	13	11	
Formosa:				
Tamsui	Oct. 1-Nov. 10	44	37	
France:				
Marseille.....	Dec. 1.....	1	.....	On ss. Pehio, from Batoum.
Hawaiian Islands:				
Honolulu.....	Dec. 11-Jan. 26	.....	11	
Kauai, Eleele	Jan. 23-Jan. 24	.....	2	
India:				
Bombay Presidency and Sind:				
Northern Division—				
Ahmedabad City.....	Nov. 17-Jan. 4	.....	2	
Bombay City.....	.....do.....	1,755	1,209	
Broach District.....	.....do.....	908	608	
Kaira District.....	.....do.....	300	259	
Surat District and Town.....	.....do.....	788	634	
Thana District.....	.....do.....	245	202	
Central Division—				
Ahmednagar District.....	.....do.....	18	13	
Khandesh District.....	.....do.....	1,479	1,146	
Nasik District.....	.....do.....	574	395	
Poonah District and City.....	.....do.....	2,942	2,538	
Satara District .....	.....do.....	11,065	8,148	
Sholapur District and				
Town.....	.....do.....	121	77	
Southern Division—				
Belgaum District.....	.....do.....	10,269	7,862	
Dharwar District.....	.....do.....	8,992	6,603	

Cholera, yellow fever, etc.—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India—Continued.				
Bombay Presidency and Sind—Continued.				
Sind—				
Hubli Town.....	Nov. 17-Jan. 4	18	18	
Kanara District.....	do	209	123	
Kolaba District.....	do	156	135	
Ratnagiri District.....	do		76	
Karachi City and District.....	do	419	351	
Political Charges—				
Aundh State.....	do	271	175	
Baroda State.....	do	483	336	
Cutch State.....	do	270	228	
Kathiawar State.....	do	68	46	
Kolhapur and Southern				
Mahratta Country.....	do	8,157	5,776	
Sachin State.....	do	18	15	
Savanur State.....	do	421	325	
Outside Bombay Presidency and Sind:				
Madras Presidency.....	do	2,268	1,803	
Bengal—				
Hurdwan Division.....	do			
Calcutta.....	do	167	165	
Chota Nagpur Division.....	do	337	268	
Orissa.....	do			
Patna.....	do	2,231	1,602	
Northwest Province and Oudh:				
Allahabad Division.....	do	509	429	
Benares Division.....	do	1,393	1,375	
Punjab:				
Delhi Division.....	do	2,327	1,628	
Jullunder Division.....	do	6,731	3,741	
Lahore Division.....	do	5,221	2,918	
Rawalpindi Division.....	do	5,837	3,732	
Mysore State:				
Bangalore City, District, and Military Station.....	do	2,128	1,607	
Chitaldrug District.....	do	277	218	
Kadur District.....	do	96	56	
Kolar District and Gold Fields.....	do	46	32	
Mysore City and District.....	do	1,659	1,310	
Shimoga District.....	do	255	165	
Hyderabad State.....	do	168	104	
Tumkur District.....	do	21	17	
Kashmir:				
Jammu Province.....	do	2,209	1,280	
Mauritius.....	Nov. 29-Jan. 30	227	140	
Philippine Islands:				
Manila.....	Dec. 1-Dec. 14	5	5	
Syria:				
Beirut.....	Jan. 5-Jan. 11	1	1	

SMALLPOX.

Argentina:				
Buenos Ayres.....	Oct. 1-Nov. 30		99	
Austria-Hungary:				
Budapest.....	Jan. 15-Jan. 21	11		
Prague.....	Dec. 1-Jan. 25	73		
Belgium:				
Antwerp.....	Dec. 10-Jan. 25	13	2	
Ghent.....	Dec. 8-Feb. 1		19	
Brazil:				
Ceara.....	Dec. 1-Dec. 31		1	
Rio de Janeiro.....	Nov. 11-Jan. 12		373	
Pernambuco.....	Nov. 1-Nov. 30		130	
Canada:				
Quebec.....	Dec. 15-Feb. 8	305	4	
Colombia:				
Cartagena.....	Nov. 25-Jan. 27		25	
Panama.....	Dec. 17-Jan. 13	48		
Cuba:				
Ciego de Avila, Puerto Principe.....	Jan. 12.....	1		From Canada.
Ecuador:				
Guayaquil.....	Sept. 23-Dec. 7		30	

Cholera, yellow fever, etc.—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
England:				
Bristol.....	Jan. 5-Jan. 11	1	1	One from ship from Boston.
Liverpool.....	Dec. 15-Feb. 1	18		
London.....	Dec. 8-Feb. 1		335	
Newcastle-on-Tyne.....	Dec. 22-Jan. 11	6		
North Shields.....	Jan. 19-Jan. 25	2		
Sheffield.....	Dec. 22-Dec. 28	1		
Formosa:				
Tamsui.....	Oct. 1-Oct. 31	7		
France:				
Lyons.....	Dec. 1-Dec. 7		1	
Marseille.....	Dec. 1-Dec. 31		1	
Nantes.....	do	3		
Nice.....	Nov. 1-Dec. 31		26	
Paris.....	Dec. 8-Feb. 1		45	
Gibraltar.....	Jan. 20-Jan. 26	1		
Greece:				
Athens.....	Jan. 5-Jan. 11	1		
India:				
Bombay.....	Dec. 18-Jan. 14		3	
Calcutta.....	Dec. 1-Jan. 11		6	
Karachi.....	Nov. 25-Jan. 12	59	11	
Madras.....	Nov. 16-Jan. 3		11	
Italy:				
Milan.....	Nov. 1-Nov. 30	1		
Naples.....	Dec. 1-Feb. 1	181	16	
Palermo.....	Dec. 29-Jan. 11		2	
Rome.....	Dec. 15-Dec. 21		1	
Jamaica:				
Kingston.....	Dec. 22-Dec. 28	1		From Colon.
Port Antonio.....	Jan. 5-Jan. 11	1		
Japan:				
Nagasaki.....	Dec. 11-Dec. 20	1		
Liberia:				
Monrovia.....	Dec. 8-Dec. 14		1	
Malta:				
Valletta.....	Dec. 11-Jan. 25	6		
Manitoba:				
Winnipeg.....	Dec. 8-Feb. 8	33		
Mexico:				
City of Mexico.....	Dec. 9-Feb. 2	87	34	
New Brunswick:				
Lynnfield.....	Jan. 18.....	1		
Moncton.....	do	1		
St. John.....	Oct. 20-Jan. 18	108	23	
Welsford.....	Jan. 18.....	1		
Nova Scotia:				
Halifax.....	Sept. 23-Feb. 8	28	2	
Windsor.....	Dec. 15-Jan. 25	1		
Russia:				
Moscow.....	Nov. 24-Jan. 18	66	26	
Odessa.....	Dec. 1-Jan. 25	49	11	
Riga.....	Jan. 25-Jan. 31		5	
St. Petersburg.....	Dec. 1-Jan. 25	45	14	
Warsaw.....	Nov. 24-Jan. 11		9	
Scotland:				
Dundee.....	Jan. 12-Feb. 1	2		
Glasgow.....	Dec. 28-Feb. 7	48	1	
Spain:				
Corunna.....	Dec. 1-Jan. 25		6	
Malaga.....	Nov. 1-Dec. 31		47	
Valencia.....	Jan. 1-Jan. 31	322	49	
Straits Settlements:				
Singapore.....	Oct. 1-Nov. 16		2	
Uruguay:				
Montevideo.....	Oct. 26-Jan. 4	453	35	

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—											
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.	
Vienna	Jan. 18	1,709,211	601	101	.....	.....	.....	.....	.....	.....	2	8	11	18	.....
Do.	Jan. 25	1,709,211	558	105	.....	.....	.....	.....	.....	.....	2	3	7	9	.....
Warsaw	Jan. 11	711,988	220	28	.....	.....	.....	.....	.....	.....	.....	10	7	2	.....
Windsor, Nova Scotia ...	Feb. 8	3,000	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Winnipeg.....	Feb. 1	25,642	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2	2	.....
Yokohama.....	Jan. 11	189,455	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	.....	.....
Do.	Jan. 18	189,455	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	2	.....	.....
Zurich.....	Jan. 11	161,782	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.	Jan. 18	161,782	49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.	Jan. 25	161,782	48	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....

By authority of the Secretary of the Treasury :

WALTER WYMAN,
Surgeon-General U. S. Marine-Hospital Service.