

Public Health Reports

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No. 19.

NOTICE.

Any person on the mailing list of the PUBLIC HEALTH REPORTS who, at any time, fails to receive promptly this publication will confer a favor by notifying the Surgeon-General of the United States Marine-Hospital Service.

UNITED STATES.

Shipping of bone dust from Bombay prohibited.

WASHINGTON, D. C., *April 28, 1900.*

SIR: I have the honor, by direction of the Secretary of State, to acknowledge the receipt of your letter of the 11th instant stating that the Surgeon-General of the Marine-Hospital Service is informed that bone dust is being shipped from Bombay, a plague-infected port, to the United States via Liverpool, Glasgow, and, perhaps, by way of other ports in Great Britain and on the continent of Europe, and requesting that consular officers of the United States in Europe be instructed that such cargo should not be shipped at the present time.

In reply, I inclose for your information copy of a circular to consular officers in Europe containing the instructions suggested by you, and directing them to inform shippers and govern themselves accordingly.

Respectfully,

THOS. W. CRIDLER,

Third Assistant Secretary.

HON. SECRETARY OF THE TREASURY.

WASHINGTON, D. C., *May 1, 1900.*

SIR: I have the honor, by direction of the Secretary of State, to acknowledge the receipt of your letter of the 23d ultimo, stating that as bone dust is capable of carrying infection the consular officers in British India should be notified that it should not be shipped to the United States at the present time.

In reply I have to say that the circular of April 21, 1900, a copy of

which is inclosed, has been sent to the consuls at Calcutta and Bombay with instructions to decline to certify invoices of this commodity and to issue similar instructions to the consular agents under their supervision.

Respectfully,

THOS. W. CRIDLER,

Third Assistant Secretary.

HON. SECRETARY OF THE TREASURY.

[Inclosure.]

Quarantine regulations in regard to bone dust.

DEPARTMENT OF STATE,

Washington, D. C., April 21, 1900.

To the consular officers of the United States in Europe:

This Department is informed by the Secretary of the Treasury, under date of the 11th instant, that bone dust or bone meal is being shipped from Bombay, a port infected with bubonic plague, to the United States via Liverpool, Glasgow, and, perhaps, other ports in Great Britain and on the continent of Europe. It has been found that the material is capable of carrying infection, and should not therefore be shipped at the present time.

You will so inform shippers and be governed accordingly.

THOS. W. CRIDLER,

Third Assistant Secretary.

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

Pneumonia in Butte, Montana.

BUTTE, MONT., *May 2, 1900.*

SIR: Owing to the exaggerated accounts of the prevalence of pneumonia, as published by eastern papers, I feel it incumbent upon myself, as health officer, to advise you of the real situation, and would state that Butte has an altitude of nearly 8,000 feet, and pneumonia constitutes, at all times in season, one of our most prevalent, as well as most fatal, diseases; at the same time it can not be denied that the disease this spring has been unusually prevalent as well as fatal, and I believe the mortality will approach 50 per cent of the cases, as recent telegrams sent you stated, but the disease presents every phase of typical pneumonia, except a greater death rate and a more violent course in each individual. I will state symptoms, etc., of all cases which have come under my immediate observation: Initiated by chill, headache, pain in chest, followed by fever and its usual phenomena, spitting of blood and frothy mucous, depression, fullness and flatness on percussion of lungs. Cases usually succumb about the sixth or seventh day, usually from asphyxia, but frequently from syncope. Several physicians have made necropsies and have found red and gray hepatization of area involved; those recovering pass crisis about ninth day, and resolution progresses with usual crepitus redux and expectoration.

The profession (intelligent) is a unit in pronouncing the disease pneumonia.

Serum received to-day and will be used as you advise, or kept awaiting more indications for its exhibition.

Respectfully,

J. NEWTON ALEXANDER,

Health Officer.

P. S.—Some abatement in last few days.

*Smallpox in Washington, D. C.*WASHINGTON, D. C., *May 4, 1900.*

SIR: Since my letter of the 24th ultimo, relative to the smallpox situation, 2 new cases have been reported, 3 discharged, cured, and 1 died. There are, therefore, at the present time 5 cases of smallpox in this District, all confined to the smallpox hospital.

Respectfully,

WM. C. WOODWARD, M. D.,
*Health Officer.**Smallpox in Illinois.*SPRINGFIELD, ILL., *April 30, 1900.*

SIR: For your information I desire to say that since December 1, 1899, 2,700 cases of smallpox have been reported to this board from the following localities: *Adams County*—Camp Point and Quincy; *Alexander*—Cairo, Elco, Olive Branch, and Sandusky; *Bond*—Greenville and Smithboro; *Boone*—Belvidere, Bureau, Buda, Ladd, Malden, Newport, Ohio, Princeton, Sheffield, Spring Valley, Walnut, and Wyand; *Cass*—Beardstown; *Champaign*—Champaign, Hensley Township, Stoughton, and Sidney; *Christian*—Pana; *Clinton*—Keyesport; *Cook*—Chicago, Grand Crossing, and Palatine; *De Witt*—Clinton, De Witt, Farmer City, Solomon, Wapella, and Weldon; *Douglas*—Chesterville, Newman, and Tuscola; *Effingham*—Dexter, Dietrich; *Fayette*—Brownstown, Confidence, St. Elmo, Vandalia, and Otego and Sefton townships; *Franklin*—Parish; *Fulton*—Canton, Farmington, Middle Grove, and Vermont; *Gallatin*—Equality, Shawneetown, and Sulphur Springs; *Hamilton*—McLeansboro; *Hardin*—Cave-in-Rock and throughout county; *Henderson*—Biggsville and Oquawka; *Henry*—Orion; *Iroquois*—Clifton; *Jackson*—Carbondale, Elkville, and Murphysboro; *Jefferson*—Dix, Mount Vernon, Spring Garden, Woodlawn, and Blissville Township; *Johnson*—Goreville, New Burnside, Parker City, Tunnell Hill, and Vienna; *Kane*—Aurora and Batavia; *La Salle*—Streator; *Lee*—Amboy, Ashton, Dixon, Franklin Grove, Nachusa, and Nelson; *Livingstone*—Fairbury and Pontiac; *Logan*—Atlanta; *Macon*—Decatur; *Macoupin*—Carlinville, Gillespie, and Brushy Mound Township; *Marion*—Centralia and Patoka; *Mason*—Casner; *Massac*—Brooklyn, Metropolis, Pellonia, and Unionville; *McDonough*—Bushnell; *McHenry*—Carey; *McLean*—Cooksville, Downs, Heyworth, and Osman; *Mercer*—Prince; *Morgan*—Jacksonville; *Ogle*—Byron; *Peoria*—Glasford, Peoria; *Perry*—Conant, Cutler, Denmark, Duquoin, Pinckneyville, and Tamaroa; *Piatt*—Atwood, Bement, Cerro Gordo, Galesville, Lodge, Mansfield, Monticello, and Blue Ridge Township; *Pope*—Colorado, Hartsville, Oak, and Golconda; *Pulaski*—Mound City and New Grand Chain; *Randolph*—Chester, Coulterville, and Sparta; *Rock Island*—Cordova and Moline; *Saline*—Carrier's Mills, Eldorado, Galatia, Harrisburg, Rileyville, and Stone Fort; *Sangamon*—Lanesville, Pawnee, and Springfield; *Schuyler*—Rushville, Wayland, and Littleton Township; *Shelby*—Obed, Sigel, Stewardson, Strasburg, Trowbridge, and Windsor; *St. Clair*—East St. Louis; *Union*—Cobden and Jonesboro; *Vermilion*—Danville; *Wabash*—Friendville; *Warren*—Monmouth; *Washington*—Ashley; *Wayne*—Fairfield; *White*—Mill Shoals; *Whiteside*—Como, Erie, Fulton, Galt, Lyndon, and Sterling; *Will*—Braidwood and Lockport; *Williamson*—Carterville, Cottage Home, Creal Springs, Cana-ville, Herrin, Johnson City, and Marion; *Winnebago*—Rockford.

Twenty-one deaths have also been reported from: Cairo, Alexander

County; Clinton and Solomon, De Witt County; Vandalia and Otego Township, Fayette County; Dixon, Lee County; Pellonia, Massac County; near Oak Post Office, in Pope County; Galatia, Saline County; Littleton Township, Schuyler County; Ashley, Washington County, and Creal Springs, Williamson County.

As all cases are not reported to the board, it is probable that many more cases have occurred than are indicated above. The disease is well under control except in Hardin and Pope counties, in which the State board of health will take measures to enforce isolation and quarantine. These counties are not under township organization, hence outside of incorporated municipalities, of which there are but a few in the counties; there are no local health authorities.

Owing to the mild character of the disease prevailing and the few fatalities reported, it is exceedingly difficult to institute vaccination. The majority of cases of smallpox reported have been diagnosed chicken pox, either Cuban or Porto Rican, and "Cuban Itch."

Respectfully,

J. A. EGAN, M. D.,
Secretary.

Smallpox on the steamship John Oades at Buffalo.

BUFFALO, N. Y., May 1, 1900.

SIR: I have the honor to inform you as follows: On Friday, April 27, 1900, there arrived at this port the steamer *John Oades*, six days out from Chicago, laden with grain, and carrying a crew of 15. One of the crew, John Driscoll, complained of being ill, and on arrival here was put ashore upon which he immediately went to the Sisters' Hospital. The health commissioner was summoned to see this man and pronounced him as being afflicted with smallpox. He was, thereupon, removed to the municipal quarantine hospital where he is now being cared for. The steamer has been thoroughly fumigated, the crew vaccinated, and the steamer and crew are now held in quarantine at the outer break water.

Respectfully,

ERNEST WENDE,
Health Commissioner.

Smallpox in Southampton County, Va.

RICHMOND, VA., April 28, 1900.

SIR: Your letter of the 27th instant, apprising me that there is an epidemic disease at Franklin, Southampton County, Va., concerning which there is doubt as to whether it is smallpox or chicken pox, received. There may be some doubt in the minds of the doubting Thomases, but the local profession, as well as our health officer, reports that it is smallpox, and the matter has been taken in hand by them.

Thanking you for the information received, believe me,

Respectfully,

PAULUS A. IRVING,
Secretary.

REPORTS FROM THE MEXICAN BORDER.

El Paso, Tex., April 28, 1900.—I have the honor to report the following work at the station for the week ended April 28, 1900: Inspection of Mexican Central Railroad passenger trains, 247 persons; inspection of Rio Grande and Pacific Railroad trains, 34 persons; inspection of immigrants, 48; disinfection of blankets, clothing, etc., of immigrants, 18; disinfection of soiled linen imported for laundry, 312 pieces; disin-

fection of soiled linen, Pullman passenger cars from Mexico, 400 pieces; disinfection of carload of bones; vaccination of immigrants and their children, 14.

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

Laredo, Tex., April 29, 1900.—I have the honor to submit the following report for week ended April 28, 1900:

Persons inspected on Mexican National Railroad, 376; immigrants inspected and allowed entry, 13; immigrants vaccinated upon entry, 10; April 26, detained 1 person six days out from Vera Cruz, Mexico; April 26, disinfected trunk, valise, and hand baggage of above.

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

Reports of States and yearly and monthly reports of cities of the United States.

CONNECTICUT—*New Haven.*—Month of March, 1900. Estimated population, 115,000. Total number of deaths, 200, including diphtheria, 3; enteric fever, 2; scarlet fever, 1, and 19 from phthisis pulmonalis.

ILLINOIS—*Springfield.*—Month of April, 1900. Estimated population, 35,000. Total number of deaths, 47, including 8 from phthisis pulmonalis.

IOWA—*Burlington.*—Month of March, 1900. Estimated population, 30,000. Total number of deaths, 34, including enteric fever, 2, and 4 from phthisis pulmonalis.

Cedar Falls.—Estimated population, 6,000. Total number of deaths, 9. No deaths from contagious diseases.

Cedar Rapids.—Estimated population, 27,000. Total number of deaths, 17, including 1 from phthisis pulmonalis.

Davenport.—Estimated population, 42,000. Total number of deaths, 38, including enteric fever, 2, and 4 from phthisis pulmonalis.

Des Moines.—Estimated population, 78,000. Total number of deaths, 95, including diphtheria, 2, and 6 from phthisis pulmonalis.

Dubuque.—Estimated population, 45,000. Total number of deaths, 61, including diphtheria, 1, and 2 from scarlet fever.

Eldon.—Estimated population, 2,000. Total number of deaths, 2. No deaths from contagious diseases.

Fort Madison.—Estimated population, 12,000. Total number of deaths, 12, including enteric fever, 2, and 1 from phthisis pulmonalis.

Le Mars.—Estimated population, 6,000. Total number of deaths, 3. No deaths from contagious diseases.

Oskaloosa.—Month of February, 1900. Estimated population, 10,000. Total number of deaths, 9, including 2 from phthisis pulmonalis.

Ottumwa.—Month of March, 1900. Estimated population, 20,000. Total number of deaths, 28, including 2 from phthisis pulmonalis.

Sioux City.—Month of February, 1900. Estimated population, 45,000.

Total number of deaths, 32, including diphtheria, 1, and 1 from enteric fever.

MARYLAND—*Baltimore*.—Month of February, 1900. Estimated population, 541,000—white, 463,000; colored, 78,000. Total number of deaths, 900—white, 656; colored, 244, including diphtheria, 34; enteric fever, 6; measles, 4; scarlet fever, 3; whooping cough, 4, and 92 from tuberculosis.

Month of March, 1900. Total number of deaths, 1,026; white, 755; colored, 271; including diphtheria, 29; enteric fever, 3; measles, 4; scarlet fever, 4; whooping cough, 3, and 118 from tuberculosis.

MASSACHUSETTS—*Newton*.—Month of April, 1900. Estimated population, 27,590. Total number of deaths, 48, including diphtheria, 4; enteric fever, 3, and 5 from phthisis pulmonalis.

MICHIGAN.—Reports to the State board of health, Lansing, for the week ended April 28, 1900, from 75 observers, indicate that diarrhea increased and remittent fever decreased in area of prevalence. Phthisis pulmonalis was reported present at 154, measles at 124, scarlet fever at 78, enteric fever at 20, whooping cough at 16, diphtheria at 15, small-pox at 9, and cerebro-spinal meningitis at 4 places.

MINNESOTA—*Duluth*.—Month of January, 1900. Estimated population, 60,000. Total number of deaths, 60, including diphtheria, 1; enteric fever, 5; scarlet fever, 1, and 3 from tuberculosis.

Month of February, 1900. Total number of deaths, 46, including enteric fever, 1, and 3 from tuberculosis.

Month of March, 1900. Total number of deaths, 60, including 10 from tuberculosis.

St. Paul.—Month of March, 1900. Estimated population, 200,000. Total number of deaths, 146, including diphtheria, 5; scarlet fever, 2, and 18 from tuberculosis.

MISSOURI—*St. Louis*.—Month of March, 1900. Estimated population, 623,000—white, 610,000; colored, 37,000. Total number of deaths, 997—white, 884; colored, 113, including diphtheria, 31; enteric fever, 16; measles, 3; scarlet fever, 4; whooping cough, 2, and 124 from tuberculosis.

NEW JERSEY—*Hudson County*.—Month of January, 1900. Estimated population, 398,960. Total number of deaths, 645, including diphtheria, 12; enteric fever, 4; measles, 4; scarlet fever, 7; whooping cough, 9, and 58 from phthisis pulmonalis.

Month of February, 1900. Total number of deaths, 694, including diphtheria, 28; enteric fever, 4; measles, 6; scarlet fever, 13; whooping cough, 12, and 79 from phthisis pulmonalis.

Month of March, 1900. Total number of deaths, 879, including diphtheria, 23; enteric fever, 5; measles, 6; scarlet fever, 7; whooping cough, 10, and 101 from phthisis pulmonalis.

Passaic.—Two weeks ended April 21, 1900. Census population,

13,028. Total number of deaths, 23, including enteric fever, 1; measles, 1, and 1 from whooping cough.

NORTH CAROLINA—Charlotte.—Month of April, 1900. Estimated population, 29,000. Total number of deaths, 31, including scarlet fever, 1, and 2 from phthisis pulmonalis.

OHIO.—Reports to the State board of health for the eight weeks ended March 31, 1900, from 71 localities, having an aggregate estimated population of 1,663,552, show 64 deaths from diphtheria, 74 from enteric fever, 9 from measles, 22 from scarlet fever, and 15 from whooping cough.

TEXAS—San Antonio.—Month of April, 1900. Estimated population, 65,000. Total number of deaths, 81, including enteric fever, 1; measles, 2; smallpox, 1, and 18 from tuberculosis, of which 11 were nonresidents.

VIRGINIA—Lynchburg.—Month of April, 1900. Estimated population, 30,000. Total number of deaths, 45, including 5 from phthisis pulmonalis.

Petersburg.—Month of April, 1900. Estimated population, 25,000. Total number of deaths, 42, including 5 from phthisis pulmonalis.

Report of immigration at Boston for the week ended April 28, 1900.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of Boston, April 29, 1900.

Number of alien immigrants who arrived at this port during the week ended April 28, 1900; also names of vessels and ports from which they came.

| Date. | Vessel. | Where from. | No. of immigrants. |
|---------|--------------------------------|--------------------------------|--------------------|
| Apr. 22 | Steamship Sagamore | Liverpool, England | 16 |
| Do..... | Steamship Prince Arthur..... | Yarmouth, Nova Scotia..... | 143 |
| Do..... |do..... |do..... | 81 |
| Apr. 23 | Steamship Admiral Dewey..... | Port Morant, Jamaica..... | 7 |
| Apr. 24 | Steamship Sardinian | Glasgow, Scotland | 306 |
| Do..... | Steamship Cestrian..... | Liverpool, England | 48 |
| Apr. 25 | Steamship Admiral Schley | Port Antonio, Jamaica | 9 |
| Apr. 26 | Steamship Halifax | Halifax, Nova Scotia..... | 118 |
| Do..... | Steamship Prince Arthur | Yarmouth, Nova Scotia..... | 70 |
| Do..... | Steamship Boston |do..... | 160 |
| Do..... | Steamship Turcoman..... | Liverpool, England | 17 |
| Do..... | Schooner Olivia..... | Clementsport, Nova Scotia..... | 1 |
| Apr. 27 | Steamship Cambrian | London, England | 25 |
| | Total | | 1,001 |

GEORGE B. BILLINGS,
Commissioner.

Report of immigration at New York for the week ended April 28, 1900.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of New York, May 2, 1900.

*Number of alien immigrants who arrived at this port during the week ended April 28, 1900 ;
also names of vessels and ports from which they came.*

| Date. | Vessel. | Where from. | No. of immigrants. |
|---------|--------------------------------|--------------------------------|--------------------|
| Apr. 22 | Steamship Georgia | Naples..... | 665 |
| Do. .. | Steamship La Toursine..... | Havre..... | 545 |
| Apr. 23 | Steamship Statendam..... | Rotterdam..... | 457 |
| Do..... | Steamship Bolivia | Naples..... | 1,271 |
| Do..... | Steamship Archimede..... | Genoa and Naples..... | 866 |
| Apr. 24 | Steamship Thingvalla..... | Copenhagen, etc..... | 218 |
| Do..... | Steamship Ivernia..... | Liverpool and Queenstown | 1,668 |
| Apr. 25 | Steamship Trave..... | Genoa and Naples..... | 741 |
| Do..... | Steamship Koenigin Luise..... | Bremen..... | 274 |
| Do..... | Steamship Noordland..... | Antwerp..... | 409 |
| Apr. 27 | Steamship Saale..... | Bremen..... | 156 |
| Do..... | Steamship Barcelona | Hamburg | 255 |
| Do..... | Steamship Laurentian..... | Glasgow | 109 |
| Do..... | Steamship Germanic..... | Liverpool and Queenstown | 823 |
| Do..... | Steamship Buffon..... | Rio de Janeiro..... | 21 |
| Do..... | Steamship Fürst Bismarck | Hamburg..... | 487 |
| Apr. 28 | Steamship Chateau Yquem..... | Naples..... | 1,180 |
| Do..... | Steamship Lucania | Liverpool and Queenstown..... | 780 |
| | Total..... | | 10,915 |

THOMAS FITCHIE,
Commissioner.

Report of immigration at Philadelphia for the week ended May 5, 1900.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of Philadelphia, May 5, 1900.

*Number of alien immigrants who arrived at this port during the week ended May 5, 1900 ;
also names of vessels and ports from which they came.*

| Date. | Vessel. | Where from. | No. of immigrants. |
|---------|----------------------------|--------------------------------|--------------------|
| Apr. 30 | Steamship Belgenland..... | Liverpool and Queenstown | 547 |
| May 2 | Steamship Switzerland..... | Antwerp..... | 147 |
| | Total | | 694 |

JNO. J. S. RODGERS,
Commissioner.

Arrival of alien steerage passengers at Havana during the week ended April 28, 1900.

HAVANA, CUBA, *April 28, 1900.*

SIR: I herewith submit report of alien steerage passengers at this port during the week ended April 28, 1900:

| Date. | Vessel. | Where from. | No. of immigrants. |
|---------|--------------------------|-------------------------------|--------------------|
| Apr. 22 | Steamship Aransas..... | New Orleans and Key West..... | 10 |
| Apr. 23 | Steamship Matanzas..... | Tampico..... | 1 |
| Apr. 24 | Steamship Segurança..... | Vera Cruz and Progreso..... | 8 |
| | Total | | 19 |

Respectfully,

H. R. CARTER,
Surgeon, U. S. M. H. S.

Arrival of alien steerage passengers at Ponce during the week ended April 21, 1900.

PONCE, P. R., *April 23, 1900.*

SIR: I submit herewith report of alien steerage passengers arriving at this port during the week ended April 21, 1900: April 21, provincial flag steamship *Maria Herrera*, from Cuba and St. Domingo, 7 immigrants.

Respectfully,

W. W. KING,
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..... | May 5 | | | |
| 2 | Beaufort, N. C..... | do | | | |
| 3 | Brunswick, Ga..... | Apr. 28 | Sp. bk. Tula..... | Apr. 17 | Cienfuegos..... |
| 4 | Cape Charles, Va..... | May 5 | Br. ss. Ataka..... | May 1 | Marseilles; previous port, Bombay. |
| | | | Br. ss. Alabama..... | May 3 | Daiquiri via Baltimore. |
| | | | Br. ss. Berwick..... | May 5 | do..... |
| 5 | Cape Fear, N. C..... | Apr. 28 | | | |
| 6 | Columbia River, Oreg..... | May 5 | | | |
| 7 | Delaware Breakwater Quarantine, Lewes, Del. | Apr. 28 | | | |
| 8 | Eureka, Cal..... | Apr. 28 | Br. ss. Collingrove..... | Apr. 26 | Shanghai..... |
| 9 | Grays Harbor, Wash..... | do | | | |
| 10 | Gulf Quarantine, Ship Island, Miss..... | do | Rus. bktn. Capella..... | Apr. 22 | La Guayra..... |
| 11 | Los Angeles, Cal..... | do | | | |
| 12 | Newbern, N. C..... | May 5 | | | |
| 13 | Pascagoula, Miss..... | do | | | |
| 14 | Port Townsend, Wash..... | Apr. 28 | Am. ship Emily Reed..... | Apr. 22 | Hongkong..... |
| | | | Br. ss. Athenian..... | Apr. 23 | Manila..... |
| | | | Am. bk. Highlands..... | Apr. 27 | Honolulu..... |
| 15 | Reedy Island Quarantine, Del. | May 5 | Br. ss. Kennett..... | May 5 | Havana..... |
| 16 | San Diego, Cal..... | Apr. 28 | | | |
| 17 | San Francisco, Cal..... | do | Haw. ss. Aztec (U. S. A. transport) (a). | Apr. 20 | Manila..... |
| | | | Am. bktn. S. G. Wilder (a) | do | Hilo..... |
| | | | Br. ss. Algoa (a)..... | Apr. 21 | Hongkong..... |
| | | | Am. ss. Australia..... | Apr. 24 | Honolulu..... |
| | | | Am. bk. Albert..... | Apr. 25 | do..... |
| | | | U. S. A. transport Sherman. | Apr. 26 | Manila..... |
| | | | Br. ss. Flintshire (U. S. A. transport). | do | do..... |
| | | | Br. ss. Wyefield (U. S. A. transport). | Apr. 27 | do..... |
| 18 | San Pedro, Cal..... | do | | | |
| 19 | Savannah, Ga..... | do | Am. sc. Marian (a)..... | Apr. 17 | Caibarien..... |
| | | | Am. sc. Chas. H. Wolston (a). | Apr. 20 | Pointe à Pitre..... |
| | | | Am. sc. R. D. Bibber..... | Apr. 22 | Cienfuegos..... |
| | | | Br. sc. John S. Parker..... | Apr. 23 | Barbados..... |
| 20 | South Atlantic Quarantine, Blackbeard Island, Ga. | do | Ger. bk. Godeffroy (a)..... | Apr. 17 | Para via St. Thomas. |
| | | | Nor. bk. Cellurea..... | Apr. 24 | Lisbon..... |

a Previously reported.

AND INSPECTION STATIONS.

| Number. | Destination. | Treatment of vessel, passengers, and cargo. | Date of departure. | Remarks. | Vessels inspected and passed. |
|---------|---------------|---------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 1 | | | | | 5 |
| 2 | | | | No report. | |
| 3 | Brunswick | Disinfected and held. | | Am. bk. Ella from Lagos via Barbados, passed upon recommendation to Bureau. | 3 |
| 4 | Norfolk | Disinfected. | May 4 | Released by order of Surgeon-General. | 10 |
| | do | do | May 5 | do | |
| | do | Undergoing disinfection. | | Br. ss. Hindustan, from Santiago via Philadelphia, passed on certificate of disinfection of dunnage and fore-castle at Reedy Island. | |
| | | | | Br. ss. Habil, from Kingston, passed on order of Surgeon-General. | |
| 5 | | | | | 1 |
| 6 | | | | No transactions. | 2 |
| 7 | | | | | 1 |
| 8 | Eureka | Held. | | Carried mud ballast from mouth of Chinese river and rock that had been in vessel two years. | |
| 9 | | | | No transactions. | |
| 10 | Pascagoula | Disinfected and held. | | | 1 |
| 11 | | | | | 1 |
| 12 | | | | No transactions. | |
| 13 | | | | | 2 |
| 14 | Port Townsend | | Apr. 22 | Crew bathed and clothing disinfected. | 12 |
| | Seattle | Partial disinfection | Apr. 24 | do | |
| | Port Townsend | Being disinfected. | | | |
| 15 | Philadelphia | Held to complete 5 days' period. | | Br. ss. Hindustan from Philadelphia, recently from Havana, arrived April 28; crew bathed and clothing disinfected; not reported in report for week ended April 28. | 20 |
| 16 | | | | | 4 |
| 17 | San Francisco | Partial disinfection | Apr. 22 | Forecastle crew bathed and effects disinfected. | 7 |
| | do | Disinfected | Apr. 24 | | |
| | do | Forecastle disinfected. | Apr. 22 | Oriental crew bathed and effects disinfected. | |
| | do | Detained 1 day. | Apr. 26 | 3 passengers held to complete 15 days' period. | |
| | do | Disinfected | do | | |
| | do | Held for disinfection. | | 1 death from cerebrospinal meningitis on Am. ss. City of Rio de Janeiro from Hongkong; oriental crew and 334 steerage passengers bathed and disinfected. | |
| | do | do | | 3 deaths en route, caused by chronic dysentery. | |
| | do | do | | | |
| 18 | | | | | 1 |
| 19 | Savannah | Disinfected and held. | Apr. 24 | | 4 |
| | do | do | Apr. 27 | | |
| | do | do | | | |
| | do | do | | | |
| 20 | Brunswick | do | Apr. 27 | | 6 |
| | Sapelo | Held for answer to telegram | Apr. 25 | | |

REPORTS FROM NATIONAL QUARANTINE

| Number. | Name of station. | Week ended. | Name of vessel. | Date of arrival. | Port of departure. |
|--------------|-----------------------------------------------------------------|-------------------|---------------------------------------------------------|--------------------|---------------------------------------------|
| 21 | UNITED STATES—Continued. Tortugas Quarantine, Key West, Fla. |do..... | Sp. ss. Leonora (a)..... | Apr. 20 | Liverpool via Havana and other Cuban ports. |
| 22 | Washington, N. C..... | May 5 | Am. ss. Laura..... | Apr. 22 | Havana..... |
| CUBA: | | | | | |
| 23 | Caibarien..... | Apr. 28 | ..... | ..... | ..... |
| 24 | Cardenas..... |do..... | ..... | ..... | ..... |
| 25 | Cienfuegos..... |do..... | ..... | ..... | ..... |
| 26 | Dalquiri..... | Apr. 21 | ..... | ..... | ..... |
| 27 | Gibara..... |do..... | ..... | ..... | ..... |
| 28 | Guantanamo..... |do..... | U. S. A. transport Williams. U. S. ss. Alliance..... | Apr. 15 Apr. 19 | Santiago..... Kingston..... |
| 29 | Havana..... | Apr. 28 | ..... | ..... | ..... |
| 30 | Isabela de Sagua..... | Apr. 28 | ..... | ..... | ..... |
| 31 | Manzanillo..... | Apr. 21 | ..... | ..... | ..... |
| 32 | Matanzas..... | Apr. 28 | Ger. ss. Curityba..... Br. bk. Lyderhorn..... | Apr. 26 Apr. 28 | New York..... Baltimore..... |
| 33 | Nuevitas..... |do..... | ..... | ..... | ..... |
| 34 | Santiago de Cuba..... | Apr. 21 | ..... | ..... | ..... |
| PHILIPPINES: | | | | | |
| 35 | Manila..... | Mar. 3 Mar. 10 | U. S. sc. Angelus..... | Mar. 8 | Balangas..... |
| | | | U. S. sc. Villa de Soncillo.. | Mar. 9 | Dagupan..... |
| | | Mar. 17 | U. S. sc. Angelus..... U. S. sc. Villa de Soncillo.. | Mar. 8 Mar. 9 | Balangas..... Dagupan..... |
| PORTO RICO: | | | | | |
| 36 | Ponce..... | Apr. 21 | Sp. ss. Isla de Panay..... Ss. Maria Herrera..... | Apr. 18 Apr. 20 | Havana..... .....do..... |
| 37 | San Juan..... |do..... | Sp. ss. Isla de Panay..... | Apr. 19 | Ponce..... |
| Subports— | | | | | |
| 38 | Aguadilla..... |do..... | ..... | ..... | ..... |
| 39 | Arecibo..... |do..... | ..... | ..... | ..... |
| 40 | Arroyo..... |do..... | ..... | ..... | ..... |
| 41 | Humacao..... |do..... | ..... | ..... | ..... |
| 42 | Mayaguez..... |do..... | ..... | ..... | ..... |

a Previously reported.

AND INSPECTION STATIONS—Continued.

| Number. | Destination. | Treatment of vessel, passengers, and cargo. | Date of departure. | Remarks. | Vessels inspected and passed. |
|---------|-----------------|---------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------|
| 21 | Pensacola..... | Disinfected and held..... | Apr. 28 | With certificate of disinfection. | ..... |
| 22 | Key West..... |do..... | Apr. 27 |do..... No transactions..... | ..... |
| 23 | ..... | ..... | ..... | ..... | 6 |
| 24 | ..... | ..... | ..... | ..... | 10 |
| 25 | ..... | ..... | ..... | ..... | 4 |
| 26 | ..... | ..... | ..... | ..... | 1 |
| 27 | ..... | ..... | ..... | No report..... | ..... |
| 28 | Guantanamo..... | Boarded and passed..... | Apr. 15 | ..... | 6 |
| 29 |do..... |do..... | Apr. 19 | ..... | ..... |
| 30 | ..... | ..... | ..... | ..... | 13 |
| 31 | ..... | ..... | ..... | ..... | 1 |
| 32 | Matanzas..... | Passed without inspection.. | Apr. 26 | ..... | 8 |
| 33 |do..... |do..... | ..... | ..... | 8 |
| 34 | ..... | ..... | ..... | ..... | 9 |
| 35 | Manila..... | Held for disinfection..... | ..... | Two cases smallpox among crew; sick removed; crew bathed, vaccinated, and held, and clothing disinfected. | 65 |
| ..... | .....do..... |do..... | ..... | One case smallpox; sick removed; crew bathed, vaccinated, and held; clothing disinfected. | 59 |
| ..... | .....do..... | Disinfected..... | Mar. 12 | Released under new crew | 70 |
| ..... | .....do..... |do..... |do..... |do..... | ..... |
| 36 | Barcelona..... | Held in quarantine..... | Apr. 18 | Allowed to transact business in quarantine. | 8 |
| ..... | San Juan..... | Held in quarantine to complete five days' period. | ..... | ..... | ..... |
| 37 | Teneriffe..... | Held..... | Apr. 20 | Allowed to transact business in quarantine. | 6 |
| 38 | ..... | ..... | ..... | ..... | 1 |
| 39 | ..... | ..... | ..... | No transactions..... | ..... |
| 40 | ..... | ..... | ..... | .....do..... | ..... |
| 41 | ..... | ..... | ..... | ..... | 2 |
| 42 | ..... | ..... | ..... | ..... | 3 |

REPORTS FROM STATE AND

| Number. | Name of station. | Week ended. | Name of vessel. | Date of arrival. | Port of departure. |
|---------|--------------------------------|-------------|----------------------------|------------------|------------------------------|
| 1 | Anclote, Fla..... | Month of | | | |
| | | April..... | | | |
| 2 | Baltimore, Md..... | May 5 | | | |
| 3 | Bangor, Me..... | do..... | | | |
| 4 | Boston, Mass..... | do..... | | | |
| 5 | Carrabelle, Fla..... | do..... | | | |
| 6 | Cedar Keys, Fla..... | Apr. 28 | | | |
| 7 | Charleston, S. C..... | do..... | | | |
| | | May 5 | | | |
| 8 | Charlotte Harbor, Fla..... | do..... | | | |
| 9 | Elizabeth River, Va..... | do..... | | | |
| 10 | Galveston, Tex..... | Apr. 28 | Br. ss. Forest Holme..... | Apr. 24 | Tampico..... |
| 11 | Gardiner, Oreg..... | do..... | | | |
| 12 | Key West, Fla..... | May 5 | | | |
| 13 | Mayport, Fla..... | do..... | | | |
| 14 | Mobile Bay, Ala..... | Apr. 28 | Br. bktn. Bahama (a)..... | Apr. 17 | Cardenas..... |
| | | | Bktn. T. B. Rabel (a)..... | Apr. 9 | St. Croix..... |
| | | | Rus. bktn. Lennox..... | Apr. 22 | La Guayra..... |
| | | | Br. bk. Alkaline..... | do..... | Vera Cruz..... |
| | | | Ger. ss. Pionier..... | Apr. 23 | Matanzas..... |
| | | | Sc. Senator Sullivan..... | Apr. 24 | Havana..... |
| | | | Br. bk. Endymion..... | do..... | St. Pierre, Mar- tinique. |
| | | | Br. sc. Helen E. Kenney... | Apr. 27 | Barbados..... |
| 15 | New Bedford, Mass..... | do..... | | | |
| | | May 5 | | | |
| 16 | New Orleans, La..... | do..... | | | |
| 17 | Newport News, Va..... | do..... | | | |
| 18 | Newport, R. I..... | do..... | | | |
| 19 | New York, N. Y..... | do..... | | | |
| 20 | Pass Cavallo, Tex..... | do..... | | | |
| 21 | Pensacola, Fla..... | do..... | | | |
| 22 | Port Royal, S. C..... | do..... | | | |
| 23 | Providence, R. I..... | do..... | | | |
| 24 | Quintana, Tex..... | do..... | | | |
| 25 | St. Helena Entrance, S. C..... | do..... | | | |
| 26 | Tampa Bay, Fla..... | do..... | | | |

a Previously reported

MUNICIPAL QUARANTINE STATIONS.

| Number. | Destination. | Treatment of vessel, passengers, and cargo. | Date of departure. | Remarks. | Vessels inspected and passed. |
|---------|----------------|--------------------------------------------------|--------------------|-----------------------------------------------------|-------------------------------|
| 1 | | | | | 126 |
| 2 | | | | No report..... | |
| 3 | | | | do..... | |
| 4 | | | | do..... | |
| 5 | | | | do..... | |
| 6 | | | | 15 fish and turtle boats passed on special permits. | 4 |
| 7 | | | | | 1 |
| 8 | | | | No report..... | 2 |
| 9 | | | | do..... | |
| 10 | Galveston..... | Fumigated and held..... | Apr. 25 | No report..... | 17 |
| 11 | | | | | |
| 12 | | | | | 15 |
| 13 | | | | No report..... | |
| 14 | Mobile..... | Disinfected and held..... | Apr. 24 | | 25 |
| | do..... | do..... | do..... | | |
| | do..... | Ballast discharged; vessel disinfected and held. | | | |
| | do..... | do..... | | | |
| | do..... | Held to complete 5 days' period. | Apr. 24 | | |
| | do..... | Disinfected and held | | | |
| | do..... | Held for disinfection..... | | | |
| | do..... | Disinfected and held..... | | | |
| 15 | | | | | 1 |
| | | | | | 1 |
| 16 | | | | No report..... | |
| 17 | | | | do..... | |
| 18 | | | | do..... | |
| 19 | | | | do..... | |
| 20 | | | | do..... | |
| 21 | | | | do..... | |
| 22 | | | | do..... | |
| 23 | | | | No transactions..... | |
| 24 | | | | No report..... | |
| 25 | | | | do..... | |
| 26 | | | | do..... | |

Smallpox in the United States as reported to the Surgeon-General United States Marine-Hospital Service, December 29, 1899, to May 11, 1900.

[For reports received from June 30, to December 29, 1899, see PUBLIC HEALTH REPORTS for December 29.]

| Places. | Date. | Cases. | Deaths. | Remarks. |
|-----------------------------------------------|-------------------|------------|-----------|--------------------|
| Alabama: | | | | |
| Huntsville..... | Apr. 4..... | 19 | 0 | |
| Jefferson County..... | Jan. 1-Feb. 5.. | 86 | | |
| Mobile..... | Jan. 2-Apr. 28.. | 65 | 1 | |
| Whistler..... | Jan. 1-Feb. 3.. | 2 | | |
| Total for State..... | | 172 | 1 | |
| Total for State, same period, 1899. | | 137 | 2 | |
| Arkansas: | | | | |
| Arkansas County..... | Feb. 2..... | | | Smallpox reported. |
| Benton County..... | do..... | | | Do. |
| Columbia County..... | do..... | | | Do. |
| Conway County..... | do..... | | | Do. |
| Crittenden County..... | do..... | | | Do. |
| Drew County..... | do..... | | | Do. |
| Faulkner County..... | do..... | | | Do. |
| Fulton County..... | do..... | | | Do. |
| Green County..... | do..... | | | Do. |
| Independence County..... | do..... | | | Do. |
| Jackson County..... | do..... | | | Do. |
| Jefferson County..... | do..... | | | Do. |
| Lawrence County..... | do..... | | | Do. |
| Lincoln County..... | do..... | | | Do. |
| Logan County..... | do..... | | | Do. |
| Perry County..... | do..... | | | Do. |
| Phillips County..... | do..... | | | Do. |
| Prairie County..... | do..... | | | Do. |
| Pulaski County (Little Rock).. | Oct. 1-Apr. 21.. | 837 | 18 | |
| Saline County..... | Feb. 2..... | | | Do. |
| Scott County..... | do..... | | | Do. |
| White County (Searcy)..... | Feb. 2-Feb. 21.. | 40 | | Do. |
| Woodruff County..... | do..... | | | Do. |
| Total for State..... | | 377 | 18 | |
| Total for State, same period, 1899. | | 8 | 1 | |
| California: | | | | |
| Los Angeles..... | Jan. 18..... | 3 | | |
| Total for State, same period, 1899. | | 93 | 15 | |
| Colorado: | | | | |
| Arapahoe County..... | Jan. 7-Apr. 28.. | 36 | | |
| Douglas County..... | Apr. 2..... | 1 | | |
| El Paso County..... | Feb. 12-Mar. 28.. | 11 | | |
| Huerfano County..... | Dec. 29-Jan. 26.. | 6 | | |
| Lake County..... | Jan. 17-Feb. 28.. | 2 | | |
| Las Animas County..... | Feb. 4-Apr. 21.. | 13 | | |
| Lincoln County..... | Dec. 15-Jan. 1.. | 2 | | |
| Logan County..... | Apr. 2-Apr. 28.. | 6 | | |
| Pueblo County..... | Apr. 13..... | 1 | | |
| Rio Grande County..... | Feb. 27-Mar. 19.. | 17 | 2 | |
| Saguache County..... | Dec. 28..... | 1 | | |
| Weld County..... | Feb. 23-Mar. 28.. | 8 | | |
| Total for State..... | | 104 | 2 | |
| Total for State, same period, 1899. | | 136 | 9 | |
| Delaware: | | | | |
| Wilmington..... | Jan. 7-Jan. 13.. | | 1 | |
| Total for State, same period, 1899. | | 0 | 0 | |
| District of Columbia: | | | | |
| Washington..... | Jan. 12-May 4.. | 20 | 1 | |
| Total for District, same period, 1899. | | 82 | | |
| Florida: | | | | |
| Jacksonville..... | Jan. 7-Apr. 21.. | 23 | | |
| Pensacola..... | Jan. 16-Feb. 9.. | 2 | | |
| Total for State..... | | 25 | | |
| Total for State, same period, 1899. | | 209 | | |
| Georgia: | | | | |
| Appling County..... | Jan. 20..... | 1 | | |
| Blackshear..... | Jan. 11..... | 16 | | |

Smallpox in the United States, etc.—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|----------------------------------------------------|--------------------|------------|-----------|--------------------|
| Georgia—Continued. | | | | |
| Brunswick..... | Dec. 19-Mar. 1... | 112 | 2 | Several cases. |
| Darien..... | Jan. 17..... | 2 | | |
| Jesup..... | Jan. 20..... | 2 | | |
| Liberty..... |do..... | 8 | | |
| McIntosh County..... |do..... | | | |
| Polk County..... | Apr. 23..... | 30 | | |
| Savannah..... | Jan. 20..... | 1 | | |
| Wayne County..... |do..... | 3 | | |
| Waycross..... | Jan. 1-Feb. 18... | 23 | | |
| Total for State..... | | 198 | 2 | |
| Total for State, same period, 1899..... | | 314 | | |
| Illinois: | | | | |
| Aurora..... | Feb. 11-Apr. 7... | 34 | | Smallpox reported. |
| Cairo..... | Dec. 24-Apr. 28... | 76 | 5 | |
| Chicago..... | Dec. 27-Apr. 28... | 31 | | |
| Danville..... | Feb. 4-Feb. 10... | 1 | | |
| Rockford..... | Feb. 11-Feb. 17... | 2 | | |
| Springfield..... | Jan. 21-Apr. 13... | 3 | | |
| Alexander County..... | Dec. 1-Feb. 28... | | | |
| Bond County..... |do..... | | | |
| Boone County..... |do..... | | | |
| Bureau County..... |do..... | | | |
| Christian County..... |do..... | | | |
| Clinton County..... |do..... | | | |
| Cook County..... |do..... | | | |
| Cumberland County..... |do..... | | | |
| DeWitt County..... |do..... | | | |
| Douglas County..... |do..... | | | |
| Fulton County..... |do..... | | | |
| Gallatin County..... |do..... | | | |
| Hamilton County..... |do..... | | | |
| Hardin County..... |do..... | | | |
| Henderson County..... |do..... | | | |
| Henry County..... |do..... | | | |
| Iroquois County..... |do..... | | | |
| Jackson County..... |do..... | | | |
| Jefferson County..... |do..... | | | |
| Johnson County..... |do..... | | | |
| Lee County..... |do..... | | | |
| Livingston County..... |do..... | | | |
| Macon County..... |do..... | | | |
| Macoupin County..... |do..... | | | |
| Madison County..... |do..... | | | |
| Masac County..... |do..... | | | |
| McHenry County..... |do..... | | | |
| McLean County..... |do..... | | | |
| Morgan County..... |do..... | | | |
| Ogle County..... |do..... | | | |
| Perry County..... |do..... | | | |
| Piatt County..... |do..... | | | |
| Pope County..... |do..... | | | |
| Pulaski County..... |do..... | | | |
| Randolph County..... |do..... | | | |
| Rock Island County..... |do..... | | | |
| Saline County..... |do..... | | | |
| Sangamon County..... |do..... | | | |
| St. Clair County..... |do..... | | | |
| Schuyler County..... |do..... | | | |
| Shelby County..... |do..... | | | |
| Union County..... |do..... | | | |
| Whiteside County..... |do..... | | | |
| Williamson County..... |do..... | | | |
| Winnebago County..... |do..... | | | |
| Total for State..... | | 144 | 4 | |
| Total for State, same period, 1899..... | | 45 | | |
| Indian Territory: | | | | |
| Choctaw Nation..... | Dec. 18..... | 75 | | |
| Total for same period, 1899... | | 0 | 45 | |
| Indians: | | | | |
| Adams County..... | Dec. 1-Dec. 31... | 1 | | Many cases. |
| Clay County..... | Jan. 17..... | | | |
| Dearborn County..... | Dec. 1-Dec. 31... | 1 | | |
| Evansville..... | Dec. 24-Apr. 29... | 86 | | |
| Gibson County..... | Mar. 31..... | | | Smallpox reported. |
| Greene County..... |do..... | | | |
| Indianapolis..... | Jan. 15-Apr. 28... | 16 | | Do. |

Smallpox in the United States, etc.—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|-----------------------------------------|----------------------|--------|---------|-----------------------------------------------------------------------|
| <i>Indiana—Continued.</i> | | | | |
| Jackson County | Mar. 31..... | | | Smallpox reported. |
| Jennings County | Dec. 1-Dec. 31..... | 4 | | |
| Madison County |do..... | 14 | | Do. |
| Marion County | Mar. 31..... | | | |
| Posey County | Dec. 1-Dec. 31..... | 26 | | Do. |
| Washington County | Mar. 31..... | | | |
| Total for State | | 148 | | February 28, 750 cases in the State. March 31, 56 cases in the State. |
| Total for State, same period, 1899. | | 68 | 1 | |
| <i>Iowa:</i> | | | | |
| Des Moines | Feb. 1-Feb. 28..... | 3 | 0 | |
| Polk County | Feb. 8..... | 16 | 0 | |
| Total for State | | 19 | | |
| Total for same period, 1899... | | 13 | 2 | |
| <i>Kansas:</i> | | | | |
| Anthony | Jan. 1-Jan. 31..... | 2 | | |
| Arkansas City |do..... | 9 | 1 | |
| Atchison County | Jan. 29-Feb. 28..... | 11 | | |
| Barber County | Feb. 1-Mar. 31..... | 67 | 1 | |
| Burlingame | Mar. 1-Mar. 31..... | 5 | | |
| Burns, Marion County | Jan. 1-Mar. 31..... | 4 | | |
| Butler County | Mar. 1-Mar. 31..... | 1 | | |
| Centralia | Jan. 1-Mar. 31..... | 2 | | |
| Cherokee County | Feb. 1-Mar. 31..... | 32 | 4 | |
| Chautauqua County | Feb. 1-Feb. 28..... | 2 | | |
| Douglas County | Mar. 1-Mar. 31..... | 35 | | |
| Emporia | Feb. 1-Mar. 31..... | 10 | | |
| Florence | Mar. 1-Mar. 31..... | 1 | | |
| Franklin County |do..... | 9 | | |
| Galena and Cherokee County.. | Feb. 1-Mar. 31..... | 31 | | |
| Grantville |do..... | 1 | | |
| Greenwood County | Mar. 1-Mar. 31..... | 6 | | |
| Hartford |do..... | 2 | | |
| Harvey County | Feb. 1-Mar. 31..... | 8 | | |
| Holliday |do..... | 1 | | |
| Hutchinson | Mar. 1-Mar. 31..... | 1 | | |
| Jefferson County |do..... | 29 | 1 | |
| Junction City | Feb. 1-Mar. 31..... | 8 | | |
| Kansas City |do..... | 35 | | |
| Kingman County | Jan. 1-Mar. 31..... | 27 | 2 | |
| Labette County | Jan. 1-Feb. 28..... | 7 | | |
| Lawrence County |do..... | 98 | | |
| Lyon County |do..... | 100 | | |
| Marshall County |do..... | 2 | | |
| McCune | Mar. 1-Mar. 31..... | 9 | | |
| McPherson |do..... | 1 | | |
| Montgomery County | Jan. 1-Feb. 28..... | 5 | | |
| Mound City | Mar. 1-Mar. 31..... | 2 | | |
| Nemaha County | Jan. 1-Mar. 31..... | 59 | | |
| Newton | Jan. 1-Feb. 28..... | 3 | | |
| Neosho | Mar. 1-Mar. 31..... | 5 | | |
| Oswatimie | Jan. 1-Mar. 31..... | 10 | | |
| Osage County |do..... | 8 | | |
| Oswego, Labette County | Nov. 5-Feb. 8..... | 17 | 0 | |
| Ottawa | Feb. 1-Mar. 31..... | 2 | | |
| Paola | Jan. 1-Jan. 31..... | 1 | | |
| Parsons County | Feb. 1-Mar. 31..... | 9 | 2 | |
| Pittsburg | Mar. 1-Mar. 31..... | 10 | | |
| Reno County | Feb. 1-Feb. 28..... | 1 | | |
| Salina | Mar. 1-Mar. 31..... | 16 | | |
| Sedgwick County | Feb. 1-Mar. 31..... | 18 | | |
| Seneca | Mar. 1-Mar. 31..... | 2 | | |
| Shawnee County | Jan. 1-Mar. 31..... | 67 | | |
| Summer County |do..... | 86 | | |
| Summerfield | Mar. 1-Mar. 31..... | 1 | | |
| Tonganoxie | Jan. 1-Jan. 31..... | 64 | 1 | |
| Topeka | Jan. 1-Mar. 31..... | 61 | 4 | Many cases. |
| Wabaunsee County | Jan. 1-Feb. 28..... | 29 | | |
| Waterville | Mar. 1-Mar. 31..... | 2 | | |
| White Water, Butler County | Jan. 1-Jan. 31..... | 1 | | |
| Wichita | Jan. 1-Apr. 28..... | 107 | 1 | |
| Woodson County |do..... | 7 | | |
| Wyandotte County (outside Kansas City). |do..... | 44 | | |
| Yale | Mar. 1-Mar. 31..... | 33 | | |
| Total for State | | 828 | 17 | |
| Total for State, same period, 1899. | | 98 | 7 | |

Smallpox in the United States, etc.—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|------------------------------------------------|--------------------|--------------|------------|----------------|
| Kentucky: | | | | |
| Covington..... | Jan. 14-May 5... | 92 | 1 | |
| Lexington..... | Mar. 25-Apr. 28... | 9 | | |
| Louisville..... | Jan. 12-Feb. 22... | 10 | | |
| Paducah..... | Jan. 21..... | 18 | | |
| Total for State..... | | 129 | 1 | |
| Total for State, same period, 1899..... | | 481 | 7 | |
| Louisiana: | | | | |
| Ascension..... | Jan. 29-Feb. 3... | 5 | | |
| Assumption..... | do..... | 8 | 4 | |
| Avoyelles..... | Jan. 21-Jan. 27... | 7 | | |
| Caddo..... | Jan. 21-Apr. 28... | 251 | 30 | |
| Calcasieu..... | Jan. 7-Apr. 7... | 29 | 8 | |
| Concordia..... | Jan. 29-Feb. 3... | | | Several cases. |
| De Soto..... | Jan. 14-Jan. 20... | 1 | | |
| E. Baton Rouge..... | Jan. 29-Feb. 3... | 5 | | |
| East Carroll Parish..... | Feb. 4-Apr. 14... | 3 | | |
| East Feliciana..... | Jan. 13..... | 50 | | |
| Iberia..... | Dec. 20-Jan. 27... | 9 | | |
| Iberville..... | Dec. 31-Feb. 3... | 26 | 2 | |
| Lafayette..... | do..... | 130 | 1 | |
| Lincoln..... | Jan. 21-Jan. 27... | 1 | | |
| Livingston..... | Jan. 13..... | | | Do. |
| Madison..... | Jan. 29-Mar. 3... | 12 | 1 | |
| New Orleans..... | Dec. 31-Apr. 28... | 1,053 | 310 | |
| Orachita..... | Jan. 29-Feb. 3... | 1 | | |
| Plaquemine..... | Jan. 21-Apr. 28... | 6 | 1 | |
| Point Coupée..... | Dec. 31-Feb. 3... | 7 | | |
| Rapides..... | Jan. 21-Jan. 27... | 5 | | |
| Richland..... | Feb. 11-Feb. 17... | 5 | | |
| Shreveport..... | Dec. 24-Apr. 28... | 245 | 19 | |
| St. Charles..... | Jan. 29-Feb. 3... | 3 | | |
| St. James..... | Dec. 24-Jan. 17... | 21 | | |
| St. John..... | Jan. 29-Feb. 17... | 2 | | |
| St. Mary Parish..... | Apr. 1-Feb. 6... | 50 | | |
| St. Landry Parish..... | Sept. 1-Feb. 6... | 782 | 27 | |
| Tangipahoa..... | Jan. 14-Feb. 24... | 11 | | |
| Tensas..... | Jan. 29-Feb. 3... | 35 | | |
| Vermilion..... | Jan. 21-Mar. 3... | 17 | | |
| Webster..... | Mar. 18-Mar. 24... | 2 | | |
| Total for State..... | | 2,780 | 398 | |
| Total for State, same period, 1899..... | | 208 | 3 | |
| Maine: | | | | |
| Portland..... | Mar. 18-Apr. 21 | 2 | 1 | |
| Total for State, same period, 1899..... | | 165 | | |
| Maryland: | | | | |
| Baltimore..... | Apr. 8-May 5... | 6 | 0 | |
| Total for State, same period, 1899..... | | 25 | | |
| Massachusetts: | | | | |
| Boston..... | Dec. 30-Apr. 28... | 5 | | |
| Chelsea..... | Dec. 25-Dec. 31... | | 1 | |
| Lawrence..... | Jan. 28-Feb. 3... | 1 | | |
| Lowell..... | Dec. 24-Dec. 30... | | 1 | |
| Malden..... | Jan. 14-Jan. 27... | 8 | | |
| Total for State..... | | 9 | 2 | |
| Total for State, same period, 1899..... | | 8 | 1 | |
| Michigan: | | | | |
| Detroit..... | Feb. 19-Apr. 28... | 25 | 1 | |
| Grand Rapids..... | Mar. 4-May 5... | 6 | | |
| Total for State..... | | 31 | 1 | |
| Total for State, same period, 1899..... | | 22 | 1 | |
| Minnesota: | | | | |
| Albert Lea..... | Jan. 1-Apr. 27... | 26 | 0 | City. |
| Anoka County..... | Mar. 1-Apr. 27... | 48 | | |
| Butterfield..... | Jan. 1-Mar. 31... | 6 | 0 | Village. |
| Carlton County..... | Apr. 6-Apr. 27... | 4 | | |
| Dodge County..... | Apr. 1-Apr. 5... | 1 | | |
| Duluth..... | Jan. 1-Apr. 27... | 23 | 0 | City. |

Smallpox in the United States, etc.—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|--------------------------------------------|--------------------|--------|---------|--------------------|
| Minnesota—Continued. | | | | |
| East Grand Forks..... | Apr. 6-Apr. 27... | 1 | 0 | |
| Faribault County..... |do..... | 1 | 0 | |
| Fergus Falls..... | Apr. 6..... | 2 | 0 | City. |
| Freeborn County..... | Jan. 1-Apr. 27... | 36 | 0 | |
| Goodhue County..... | Apr. 1-Apr. 27... | 3 | 0 | |
| Hennepin County..... | Apr. 6-Apr. 27... | 8 | 0 | |
| Houston County..... |do..... | 1 | 0 | |
| Janesville..... | Jan. 1-Mar. 1... | 1 | 0 | Village. |
| Jordan..... |do..... | 1 | 0 | Do. |
| Kandiyohi County..... | Mar. 20-Apr. 27... | 5 | 0 | |
| Le Sauer County..... | Mar. 1-Mar. 20... | 1 | 0 | |
| Martin County..... | Apr. 6-Apr. 27... | 3 | 0 | |
| Meeker County..... |do..... | 1 | 0 | |
| Minneapolis..... | Oct. 1-Apr. 27... | 296 | 5 | |
| New Richland..... | Jan. 1-Mar. 1... | 1 | 0 | Do. |
| Northfield..... | Jan. 1-Apr. 14... | 36 | 1 | City. |
| Owatonna..... |do..... | 4 | 0 | Do. |
| Pope County..... | Apr. 1-Apr. 27... | 8 | 0 | |
| Ramey County..... | Apr. 6-Apr. 27... | 1 | 0 | |
| Rice County..... | Jan. 1-Apr. 27... | 15 | 0 | |
| St. James..... |do..... | 18 | 0 | Village. |
| St. Paul..... | Mar. 1-Apr. 27... | 16 | 0 | |
| Steele County..... | Jan. 1-Apr. 14... | 2 | 0 | |
| Watonwan County..... | Jan. 1-Mar. 31... | 9 | 0 | |
| Wilkin County..... | Apr. 6-Apr. 27... | 6 | 0 | |
| Wright County..... | Jan. 1-Apr. 27... | 9 | 0 | |
| Total for State..... | | 550 | 5 | |
| Total for State, same period, 1899..... | | 21 | | |
| Mississippi: | | | | |
| Greenwood..... | Jan. 21-Feb. 17... | 303 | 9 | |
| Hinds County..... | Mar. 7..... | | | Epidemic prevails. |
| Total for same period, 1899..... | | 23 | 3 | |
| Missouri: | | | | |
| Paris..... | Sept. 3-Feb. 5... | 37 | 4 | |
| St. Louis..... | Dec. 19-Apr. 30... | 84 | 0 | |
| Total for State..... | | 121 | 4 | |
| Total for State, same period, 1899..... | | 90 | 17 | |
| Montana: | | | | |
| Butte..... | Feb. 7..... | 100 | | |
| Total for same period, 1899..... | | 2 | | |
| Nebraska: | | | | |
| Dubois..... | Dec. 1-Feb. 15... | 2 | 2 | |
| Guide Rock..... |do..... | 7 | 0 | |
| Liberty..... | Dec. 1-Feb. 15... | 13 | 0 | |
| Omaha..... | Dec. 1-Apr. 28... | 25 | 0 | |
| Total for State..... | | 47 | 2 | |
| Total for State, same period, 1899..... | | 372 | 3 | |
| New Jersey: | | | | |
| Union County..... | Jan. 1-Apr. 1... | 3 | | |
| Morris County..... |do..... | 12 | | |
| Middlesex County..... |do..... | 1 | | |
| Hudson County..... |do..... | 1 | | |
| Total for State..... | | 17 | | |
| Total for State, same period, 1899..... | | 6 | | |
| New Mexico: | | | | |
| Capiton..... | May. 1..... | 2 | | |
| Folsom..... | Mar. 21..... | 4 | | |
| Total for Territory..... | | 6 | | |
| New York: | | | | |
| Amsterdam..... | Dec. 25-Dec. 30... | 1 | | |
| Buffalo..... | Apr. 27..... | 1 | | |
| New York City..... | Jan. 7-Apr. 28... | 23 | 1 | |
| Total for State..... | | 25 | 1 | |
| Total for State, same period, 1899..... | | 25 | 4 | |

Smallpox in the United States, etc.—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|------------------------------------------------|--------------------|------------|-----------|----------------------|
| North Carolina : | | | | |
| Alamance County | Jan. 1-Jan. 31... | 8 | | |
| Beaufort | Dec. 27..... | 1 | | |
| Bertie County..... | Jan. 1-Jan. 31... | 3 | | |
| Cabarrus County..... | Dec. 1-Dec. 31... | 5 | | |
| Cartaret County |do..... | 1 | | |
| Charlotte..... | Dec. 1-Apr. 30... | 27 | 0 | |
| Chatham County..... | Nov. 1-Jan. 31... | 33 | | |
| Currutuck County..... | Dec. 1-Jan. 31... | 7 | | |
|do..... |do..... | 27 | 1 | |
| Davidson County..... | Jan. 1-Jan. 31... | 7 | | |
| Edgecombe County..... |do..... | 2 | | |
| Gates County..... |do..... | 13 | | |
| Greensboro | Jan. 15..... | | | Numerous cases. |
| Guilford County | Jan. 15-Dec. 31... | 83 | | |
| Halifax County |do..... | 67 | | |
| Hertford County..... | Dec. 1-Jan. 31... | 8 | 1 | |
| Johnston County..... | Jan. 1-Jan. 31... | 1 | | |
| Mecklenburg County..... | Dec. 1-Jan. 31... | 6 | | |
| Moore County | Jan. 1-Jan. 31... | 1 | | |
| Nash County..... | Dec. 1-Jan. 31... | 4 | | |
| New Hanover County..... | Jan. 1-Jan. 31... | 5 | | |
| Northampton County..... | Jan. 15-Jan. 31... | 10 | | |
| Orange County..... | Jan. 1-Jan. 31... | 1 | | |
| Randolph County..... | Dec. 1-Jan. 31... | 12 | | |
| Richmond County..... | Jan. 1-Jan. 31... | 27 | | |
|do..... |do..... | 1 | | |
| Rowan County..... | Jan. 15-Dec. 31... | 54 | | |
| Stanley County..... | Jan. 1-Jan. 31... | 7 | | |
| Stokes County |do..... | 4 | | |
| Surry County..... | Dec. 1-Jan. 31... | 84 | | |
| Union County..... |do..... | 5 | | |
| Vance County..... | Jan. 15-Dec. 31... | 1 | | |
| Wilmington..... | Jan. 25-Mar. 31... | 4 | | |
| Total for State | | 510 | 2 | |
| Total for State, same period, 1899. | | 85 | 1 | |
| Ohio : | | | | |
| Cincinnati..... | Dec. 23-Mar. 30... | 38 | 1 | |
| Cleveland..... | Dec. 24-May 5... | 329 | 5 | |
| Hamilton | Dec. 31-Jan. 6... | 2 | | |
| Youngstown..... | Dec. 31-Feb. 24... | 10 | 0 | |
| Total for State | | 360 | 5 | |
| Total for State, same period, 1899. | | 773 | 15 | |
| Oklahoma Territory : | | | | |
| Beaver County..... | Jan. 10..... | | | Smallpox reported. |
| Blaine County..... |do..... | 1 | | |
| El Reno | Dec. 27..... | 7 | 0 | |
| Enid..... |do..... | 4 | 0 | |
| Kay County..... |do..... | | | Smallpox epidemic. |
| Logan County | Dec. 27. | 10 | 0 | |
| Noble County..... | Jan. 10..... | | | Smallpox reported. |
| Oklahoma City..... | Dec. 27..... | 14 | 0 | No cases at present. |
| Pawnee County..... | Jan. 10..... | | | Smallpox reported. |
| Shawnee..... |do..... | 12 | 0 | No cases at present. |
| Watonga..... | Jan. 10..... | 1 | 0 | |
| Yukon |do..... | 6 | 0 | Do. |
| Total for Territory..... | | 55 | | |
| Total for Territory, same period, 1899. | | 37 | 13 | |
| Oregon : | | | | |
| Astoria..... | Feb. 12..... | 1 | | |
| Portland | Jan. 23-Mar. 23... | 6 | | |
| Total for State | | 7 | | |
| Total for State, same period, 1899. | | 0 | 0 | |
| Pennsylvania : | | | | |
| Allegheny County..... | Dec. 17-Apr. 21... | 14 | 2 | |
| Beaver County..... | Jan. 1-Dec. 31... | 1 | | |
| Crawford County..... | Mar. 1-Mar. 31... | 2 | | |
| Lawrence County..... |do..... | 3 | 1 | |
| McKeesport..... | Mar. 21-Apr. 10... | 3 | 1 | |
| Philadelphia..... | Dec. 24-May 5... | 15 | | |

Smallpox in the United States, etc.—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|------------------------------------------------------------|--------------------|--------------|------------|--------------------|
| Pennsylvania—Continued. | | | | |
| Susquehanna County | Mar. 1-Mar. 31... | 15 | | |
| Westmoreland County |do | 8 | | |
| Total for State | | 54 | 4 | |
| Total for State, same period, 1899. | | 235 | 11 | |
| South Carolina: | | | | |
| Greenville..... | Dec. 24-Apr. 20... | 18 | | |
| Total for State, same period, 1899. | | 126 | 10 | |
| Tennessee: | | | | |
| Chattanooga..... | Jan. 22..... | 9 | | |
| Columbia..... | Jan. 6..... | 24 | | |
| Memphis..... | Nov. 4-Apr. 23... | 533 | 5 | |
| Mount Pleasant..... | Jan. 6..... | 8 | | |
| Nashville..... | Dec. 24-May 5... | 27 | | |
| Total for State..... | | 605 | 5 | |
| Total for State from Oct. 1, 1899, to Mar. 5, 1900. | | 2,591 | 413 | |
| Total for State, same period, 1899. | | 123 | | |
| Texas: | | | | |
| Aline..... | Feb. 7-Feb. 13... | 1 | | |
| Angelina County..... | Jan. 17-Jan. 23... | 1 | | |
| Austin..... | Jan. 1-Feb. 23... | 15 | | |
| Bastrop County..... | Jan. 17-Jan. 23... | 19 | | |
| Beaumont..... | Jan. 1-Jan. 30... | 3 | | |
| Belleville County..... | Jan. 17-Jan. 23... | 2 | | Smallpox reported. |
| Boggy Fork..... | Feb. 7-Feb. 20... | 15 | | |
| Bonham..... | Jan. 1-Jan. 16... | | | |
| Bowie County..... | Jan. 1-Feb. 23... | 5 | | |
| Brenham..... |do | 5 | 1 | |
| Brookshire..... |do | 1 | | |
| Caddo Mills..... | Jan. 17-Jan. 23... | 1 | | |
| Caldwell..... | Feb. 14-Feb. 20... | 2 | | |
| Carmine..... | Jan. 24-Jan. 30... | 10 | | |
| Case County..... | Jan. 1-Jan. 16... | 1 | | |
| Chappel Hill..... | Feb. 7-Feb. 13... | 1 | | |
| Colmesneil..... |do | 1 | | |
| Corsicana..... |do | 3 | | |
| Dallas..... |do | 7 | | Several cases. |
| Denison..... | Jan. 1-Jan. 16... | | | |
| Direct..... | Jan. 17-Jan. 23... | 6 | | |
| El Paso..... | Feb. 4..... | 1 | | |
| Farmersville..... |do | 25 | | |
| Fannin County..... | Feb. 4-Feb. 23... | 1 | 1 | Do. |
| Floydada..... | Jan. 1-Jan. 16... | 1 | | |
| Fort Stockton..... |do | 4 | | |
| Gainesville..... | Feb. 7-Feb. 13... | 8 | | |
| Galveston..... | Feb. 10..... | 2 | | |
| Garrett..... | Feb. 7-Feb. 13... | 7 | | |
| Gilmer County..... | Feb. 22-Feb. 23... | 2 | | |
| Grand Saline..... | Feb. 14-Feb. 20... | 3 | | |
| Greenville..... |do | 1 | | |
| Grimes County..... | Jan. 1-Apr. 8... | 195 | 3 | |
| Hillsboro..... | Feb. 22-Feb. 23... | 4 | | |
| Honey Grove..... | Jan. 1-Feb. 23... | 30 | | |
| Houston..... | Dec. 31-Jan. 27... | 12 | | |
| Hunt County..... | Feb. 7-Feb. 13... | 1 | | |
| Index..... | Jan. 1-Jan. 16... | 30 | | |
| Joaquin..... | Feb. 7-Feb. 13... | 3 | | |
| Leesburg..... | Feb. 22-Feb. 23... | 2 | | |
| Malakoff..... | Feb. 14-Feb. 20... | 3 | | |
| Meadow..... | Jan. 17-Jan. 23... | 9 | | |
| Meridian..... |do | 2 | | |
| Milano..... | Jan. 17-Jan. 30... | 8 | | |
| Mount Pleasant..... | Feb. 22-Feb. 23... | 10 | | |
| Navarro County..... | Jan. 1-Jan. 16... | 3 | | |
| Palatine..... | Feb. 7-Feb. 20... | 26 | | |
| Paris..... | Jan. 17-Jan. 30... | 6 | | |
| Prairie Dell..... | Jan. 24-Jan. 30... | 13 | | |
| Port Sullivan..... |do | 8 | | |
| Silver Lake..... | Feb. 22-Feb. 23... | 4 | | |
| St. Jo..... | Feb. 14-Feb. 20... | 20 | | |
| San Antonio..... | Dec. 1-Apr. 30... | 7 | 1 | |
| Sealey..... | Jan. 24-Jan. 30... | 2 | | |
| Seguin..... | Jan. 1-Jan. 30... | 3 | | |
| Smithville..... | Jan. 11-Jan. 30... | 14 | | |

Smallpox in the United States, etc.—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|--------------------------------------------|--------------------|--------------|------------|--------------------|
| Texas—Continued. | | | | |
| Taylor..... | Feb. 22-Feb. 28... | 2 | ..... |  |
| Temple | Jan. 11-Feb. 28... | 20 | 1 | |
| Tyler..... | Jan. 11-Jan. 30... | 1 | ..... |  |
| Village Mills..... | Feb. 7-Feb. 13 | 1 | ..... |  |
| Washington County..... | Feb. 22-Feb. 28... | ..... | 2 | |
| Whorton County..... | Feb. 14-Feb. 20... | ..... | 2 | |
| Weimer..... | Feb. 14-Feb. 20... | 1 | ..... |  |
| Wolfe City..... | Jan. 17-Jan. 23... | 8 | ..... |  |
| Yoakum | Feb. 22-Feb. 28... | 7 | ..... |  |
| Total for State..... | | 400 | 12 | |
| Total for State, same period, 1899. | | 886 | 143 | |
| Utah: | | | | |
| Salt Lake City | Dec. 1-Apr. 28... | 51 | ..... |  |
| Ogden..... | Mar. 1-Mar. 31... | 19 | 1 | |
| Total for State..... | | 70 | 1 | |
| Total for State, same period, 1899. | | 0 | 0 | |
| Virginia: | | | | |
| Alexandria..... | Feb. 14-Mar. 17... | 4 | ..... |  |
| Bath County..... | Mar. 13..... | 7 | ..... |  |
| Danville..... | Mar. 21-Mar. 28... | 80 | ..... |  |
| Norfolk..... | Jan. 20..... | 1 | ..... |  |
| Petersburg | Dec. 1-Dec. 26... | 4 | ..... |  |
| Portsmouth | Dec. 24-Apr. 26... | 96 | 21 | |
| Richmond..... | Jan. 1-Feb. 28... | 35 | 0 | |
| Roanoke..... | Jan. 1-Mar. 31... | 44 | 0 | |
| Southampton | Apr. 27..... | ..... | ..... | Smallpox reported. |
| Total for State..... | | 221 | 21 | |
| Total for State, same period, 1899. | | 2,034 | 31 | |
| Washington: | | | | |
| Centralia | Feb. 26..... | 150 | ..... |  |
| Pierce County..... | Feb. 7..... | 1 | ..... |  |
| Seattle..... | Feb. 15..... | 1 | 0 | |
| Spokane..... | Jan. 1-Apr. 21... | 185 | 2 | |
| Tacoma..... | Feb. 12-Mar. 31... | 27 | 1 | |
| Walla Walla..... | Feb. 21..... | 2 | ..... |  |
| Total for State | | 366 | 3 | |
| Total for State, same period, 1899. | | 5 | 0 | |
| West Virginia: | | | | |
| Calhoun County | Jan. 31..... | ..... | ..... | Cases reported. |
| Fayette County..... | Jan. 26..... | 18 | ..... | Do. |
| Gilmer County..... | Jan. 31..... | ..... | ..... |  |
| Harrison County..... | do..... | 5 | ..... |  |
| Lewis County..... | Jan. 31-Mar. 1... | 25 | ..... |  |
| McDowell County..... | Jan. 31..... | 1 | ..... |  |
| Mingo County..... | do..... | ..... | ..... | Do. |
| Monongalia County..... | Jan. 26..... | 1 | ..... |  |
| Upshur County..... | Dec. 1-Mar. 1... | 35 | 1 | Do. |
| Webster County..... | Feb 8..... | 10 | ..... |  |
| Total for State..... | | 95 | 1 | |
| Total for State, same period, 1899. | | 0 | 0 | |
| Wisconsin: | | | | |
| Douglas County | Apr. 14-Apr. 23... | 2 | ..... |  |
| Eau Claire County..... | Mar. 26..... | 2 | ..... |  |
| La Crosse County..... | Mar. 21..... | 6 | ..... |  |
| Lafayette County..... | Feb. 3..... | 1 | ..... |  |
| Lemonweir..... | Jan. 24-Feb. 3... | 5 | 1 | |
| Mauston..... | Jan. 24..... | 1 | ..... |  |
| Pierce County..... | Apr. 14-Apr. 23... | 6 | ..... |  |
| St. Croix County..... | Apr. 14-Apr. 23... | 13 | ..... |  |
| Waushara County | Mar. 26..... | 1 | ..... |  |
| Total for State | | 37 | 1 | |
| Total for State, same period, 1899. | | 22 | 2 | |

Smallpox in the United States, etc.—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|--------------------------------------|--------------------|--------------|------------|----------|
| Wyoming: | | | | |
| Cheyenne | Apr. 16..... | 5 | ..... |  |
| Morgan County..... |do..... | 1 | ..... |  |
| Sweetwater County..... | Mar. 13-Apr. 30... | 9 | ..... |  |
| Uintah County..... | Mar. 3..... | 1 | ..... |  |
| Total for State ..... | ..... | 16 | ..... |  |
| Total for State, same period, | ..... | 6 | ..... |  |
| 1899..... | ..... | ..... | ..... |  |
| Grand total ..... | ..... | 9,053 | 525 | |
| Grand total, same period, | ..... | 6,933 | 348 | |
| 1899..... | ..... | ..... | ..... |  |

MORTALITY TABLE, CITIES OF THE UNITED STATES.

| Cities. | Week ended. | Population, U. S. Census of 1890. | Total deaths from all causes. | Deaths from— | | | | | | | | | | | | | | | |
|---------------------|-------------|-----------------------------------|-------------------------------|---------------|---------------|-----------|------------|----------|---------------|----------------|----------------|-------------|----------|-----------------|---|---|---|----|---|
| | | | | Tuberculosis. | Yellow fever. | Smallpox. | Varioloid. | Cholera. | Typhus fever. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. | Whooping cough. | | | | | |
| Allentown, Pa. | Apr. 21 | 25, 228 | 10 | | | | | | | | | | | | | | | | |
| Do | Apr. 28 | 25, 228 | 8 | 2 | | | | | | | | | | | | | | | |
| Ashtabula, Ohio. | May 5 | 8, 338 | 6 | | | | | | | | | | | | | | | | |
| Baltimore, Md. | do. | 434, 439 | 183 | 17 | | | | | | 2 | | | | | | | | | |
| Bay City, Mich. | Apr. 23 | 27, 839 | 3 | 1 | | | | | | | | | | | | | | | |
| Do | May 5 | 27, 839 | 4 | | | | | | | | | | | | | | | | |
| Binghamton, N. Y. | do. | 35, 006 | 17 | 1 | | | | | | | | | | | | | | | |
| Boston, Mass. | do. | 448, 477 | 209 | 15 | | | | | | 2 | | 6 | | 5 | | 5 | | 4 | |
| Butler, Pa. | Apr. 7 | 8, 734 | 4 | | | | | | | | | | | | | | | | |
| Cambridge, Mass. | Apr. 28 | 70, 028 | 23 | 1 | | | | | | 1 | | | | 2 | | | | 1 | |
| Do | May 5 | 70, 028 | 25 | 6 | | | | | | | | | | | | | | 1 | |
| Camden, N. J. | Apr. 30 | 58, 313 | 25 | 1 | | | | | | | | | | 2 | | | | | |
| Do | May 5 | 58, 313 | 25 | 1 | | | | | | | | | | | | | | | |
| Carbondale, Pa. | Apr. 21 | 10, 832 | 11 | | | | | | | | | 1 | | 1 | | | | | |
| Do | Apr. 30 | 10, 832 | 7 | | | | | | | | | | | 1 | | | | | 1 |
| Charleston, S. C. | Apr. 28 | a 54, 955 | b 28 | 4 | | | | | | | | | | | | | | | |
| Chelsea, Mass. | do. | 27, 909 | 10 | | | | | | | | | | | | | | | | |
| Chicago, Ill. | May 5 | 1, 099, 850 | 488 | 47 | | | | | | 3 | | 3 | | 17 | | 5 | | 10 | |
| Chicopee, Mass. | Apr. 28 | 14, 050 | 11 | | | | | | | | | | | | | | | | |
| Do | May 5 | 14, 050 | 10 | 1 | | | | | | | | | | | | | | | |
| Chillicothe, Ohio. | Apr. 28 | 11, 288 | 5 | 1 | | | | | | | | | | | | | | | 1 |
| Cleveland, Ohio. | do. | 261, 353 | | | | | | | | 9 | | 1 | | 1 | | | | | 1 |
| Do | May 5 | 261, 353 | 136 | 1 | | 1 | | | | 4 | | 1 | | 1 | | | | | 2 |
| Clinton, Mass. | do. | 10, 424 | 4 | 2 | | | | | | | | | | | | | | | |
| Concord, N. H. | Apr. 28 | 17, 044 | 8 | | | | | | | | | | | | | | | | |
| Covington, Ky. | May 5 | 37, 371 | 15 | | | | | | | | | | | | | | | | |
| Dayton, Ohio. | do. | 61, 220 | 19 | 2 | | | | | | | | 1 | | | | | | | |
| Detroit, Mich. | Apr. 28 | 208, 876 | 116 | 15 | | | | | | | | | | 1 | | | | | |
| Dubois Pa. | do. | 6, 149 | 2 | 1 | | | | | | | | | | | | | | | |
| Do | May 5 | 6, 149 | 3 | | | | | | | | | | | | | | | | |
| Elmira, N. Y. | Apr. 28 | 29, 708 | 11 | | | | | | | | | | | | | | | | |
| Erie, Pa. | do. | 40, 634 | 16 | 1 | | | | | | | | | | 1 | | | | | |
| Do | May 5 | 40, 634 | 18 | 1 | | | | | | | | | | | | | | | |
| Evansville, Ind. | Apr. 28 | 50, 756 | 14 | 1 | | | | | | | | 1 | | | | | | | 1 |
| Everett, Mass. | do. | 11, 068 | 6 | | | | | | | | | | | | | | | | |
| Fitchburg, Mass. | do. | 22, 037 | 5 | 2 | | | | | | | | | | | | | | | |
| Gloucester, Mass. | May 5 | 24, 651 | 3 | | | | | | | | | | | | | | | | |
| Grand Rapids, Mich. | do. | 60, 278 | 31 | 2 | | | | | | | | | | | | | | | |
| Green Bay, Wis. | Apr. 29 | 9, 069 | 9 | | | | | | | | | | | | | | | | |
| Greenville, S. C. | May 5 | 8, 607 | 2 | | | | | | | | | | | | | | | | |
| Hamilton, Ohio. | Apr. 14 | 19, 565 | 8 | 2 | | | | | | | | 1 | | | | | | | |
| Do | Apr. 28 | 19, 565 | 6 | 2 | | | | | | | | | | | | | | | |
| Holyoke, Mass. | do. | 35, 637 | 24 | 1 | | | | | | | | | | | | | | | |
| Indianapolis, Ind. | do. | 105, 436 | 50 | 4 | | | | | | | | 1 | | 1 | | | | | |
| Jackson, Mich. | May 5 | 20, 795 | 11 | | | | | | | | | | | | | | | | |
| Jacksonville, Fla. | Apr. 28 | 17, 201 | 12 | 2 | | | | | | | | | | | | | | | |
| Jersey City, N. J. | Apr. 29 | 163, 003 | 88 | 18 | | | | | | | | 1 | | 2 | | | | | |
| Johnstown, Pa. | May 5 | 21, 805 | 22 | | | | | | | | | | | | | | | | 2 |
| Lancaster, Pa. | Apr. 28 | 32, 011 | 15 | | | | | | | | | | | | | | | | 1 |
| Lawrence, Mass. | do. | 44, 654 | 24 | 1 | | | | | | | | | | | | | | | |
| Lebanon, Pa. | do. | 14, 664 | 8 | | | | | | | | | | | | | | | | |
| Do | May 5 | 14, 664 | 3 | | | | | | | | | | | | | | | | |
| Lexington, Ky. | Apr. 28 | 21, 567 | 12 | 1 | | | | | | | | | | | | | | | |
| Los Angeles, Cal. | do. | 50, 395 | 36 | 12 | | | | | | | | | 1 | | 1 | | | | |
| Lowell, Mass. | May 5 | 77, 696 | 38 | 2 | | | | | | | | | | | | | | | |
| Lynchburg, Va. | do. | 19, 709 | 13 | 2 | | | | | | | | | | | | | | | |
| McKeesport, Pa. | May 1 | 20, 741 | 9 | 1 | | | | | | | | | | | | | | | |
| Malden, Mass. | May 5 | 23, 031 | 11 | 1 | | | | | | | | | | | | | | | |
| Manchester, N. H. | Apr. 28 | 44, 126 | 31 | 4 | | | | | | | | | | | | | | | |
| Do | May 5 | 44, 126 | 28 | 3 | | | | | | | | | | | | | | | |
| Massillon, Ohio. | Apr. 28 | 10, 092 | 5 | | | | | | | | | | | | | | | | |
| Medford, Mass. | May 5 | 11, 079 | 2 | | | | | | | | | | | | | | | | |
| Melrose, Mass. | Apr. 28 | 8, 519 | 6 | 2 | | | | | | | | | | | | | | | |
| Michigan City, Ind. | do. | 10, 776 | 5 | 1 | | | | | | | | | | | | | | | |
| Minneapolis, Minn. | Apr. 21 | 164, 738 | 34 | 3 | | | | | | | | | 1 | | 1 | | | | |
| Do | Apr. 28 | 164, 738 | 51 | 4 | | 1 | | | | | | 1 | | 1 | | | | | |
| Nashville, Tenn. | May 5 | 76, 164 | 1 | | | | | | | | | | | | | | | | |
| Newark, N. J. | Apr. 28 | 181, 830 | 102 | 11 | | | | | | | | | | 1 | | 3 | | 2 | |
| New Bedford, Mass. | May 5 | 40, 733 | 20 | 1 | | | | | | | | | | | | | | | |
| Newburyport, Mass. | Apr. 28 | 13, 947 | 7 | | | | | | | | | | | | | | | | |
| New Orleans, La. | do. | 242, 039 | 163 | 18 | | 25 | | | | | | | | | 1 | | 1 | | |
| Do | do. | 24, 379 | 12 | | | | | | | | | | | | 2 | | | | |
| Do | May 5 | 24, 379 | 9 | | | | | | | | | 1 | | | | | | | |

a Estimated population, 65,165—white, 28,870; colored, 36,295. b White, 6; colored, 22.

Table of temperature and rainfall, week ended May 7, 1900.

[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..... | 44 | 0 | | .81 | .79 | |
| Portland, Me..... | 49 | | 1 | .77 | 1.13 | |
| Northfield, Vt..... | 51 | | | .63 | | .43 |
| Boston, Mass..... | 52 | 2 | | .84 | 1.66 | |
| New Haven, Conn..... | 53 | 1 | | .81 | | .24 |
| Albany, N. Y..... | 54 | | 2 | .70 | | .60 |
| New York, N. Y..... | 55 | 3 | | .77 | | .47 |
| Harrisburg, Pa..... | 56 | 2 | | 1.00 | | .90 |
| Philadelphia, Pa..... | 58 | 0 | | .70 | | .30 |
| New Brunswick, N. J..... | 57 | | 1 | .91 | | .41 |
| Atlantic City, N. J..... | 53 | 1 | | .67 | | .17 |
| Baltimore, Md..... | 60 | 0 | | .84 | | .74 |
| Washington, D. C..... | 60 | 0 | | .82 | | .61 |
| Lynchburg, Va..... | 63 | 1 | | .84 | | .84 |
| Cape Henry, Va..... | 61 | | 1 | .95 | | .65 |
| Norfolk, Va..... | 63 | | 1 | .92 | | .62 |
| Charlotte, N. C..... | 67 | 0 | | .91 | | .61 |
| Raleigh, N. C..... | 67 | 1 | | .98 | | .08 |
| Kittyhawk, N. C..... | 62 | 0 | | .90 | .20 | |
| Hatteras, N. C..... | 63 | 1 | | 1.05 | .15 | |
| Wilmington, N. C..... | 67 | 1 | | .84 | | .64 |
| Columbia, S. C..... | 69 | 3 | | .79 | | .79 |
| Charleston, S. C..... | 70 | 4 | | .84 | | .74 |
| Augusta, Ga..... | 69 | 1 | | .72 | | .22 |
| Savannah, Ga..... | 71 | 1 | | .50 | .20 | |
| Jacksonville, Fla..... | 73 | 1 | | .77 | .73 | |
| Jupiter, Fla..... | 75 | 1 | | 1.00 | 1.20 | |
| Key West, Fla..... | 78 | 0 | | .47 | | .07 |
| Gulf States: | | | | | | |
| Atlanta, Ga..... | 67 | 1 | | .74 | | .74 |
| Tampa, Fla..... | 74 | 0 | | .45 | .55 | |
| Pensacola, Fla..... | 72 | 2 | | .63 | | .63 |
| Mobile, Ala..... | 71 | 3 | | .91 | | .91 |
| Montgomery, Ala..... | 70 | 0 | | .95 | | .45 |
| Meridian, Miss..... | 68 | 2 | | 1.29 | | 1.29 |
| Vicksburg, Miss..... | 70 | 2 | | 1.19 | | 1.19 |
| New Orleans, La..... | 72 | 2 | | 1.10 | | 1.10 |
| Shreveport, La..... | 70 | 4 | | 1.03 | | .73 |
| Fort Smith, Ark..... | 66 | 2 | | 1.12 | | .22 |
| Little Rock, Ark..... | 68 | 0 | | 1.26 | | .96 |
| Palestine, Tex..... | 70 | 2 | | 1.28 | | 1.08 |
| Galveston, Tex..... | 73 | 3 | | .72 | | .72 |
| San Antonio, Tex..... | 73 | | 1 | .77 | .93 | |
| Corpus Christi, Tex..... | 74 | | | .61 | | |
| Ohio Valley and Tennessee: | | | | | | |
| Memphis, Tenn..... | 67 | 3 | | 1.16 | | 1.16 |
| Nashville, Tenn..... | 65 | 3 | | .94 | | .94 |
| Chattanooga, Tenn..... | 67 | 1 | | .95 | | .85 |
| Knoxville, Tenn..... | 63 | 1 | | .96 | | .96 |
| Lexington, Ky..... | 60 | 0 | | .79 | | .39 |
| Louisville, Ky..... | 63 | | 3 | .89 | | .09 |
| Indianapolis, Ind..... | 59 | | 1 | .91 | | .91 |
| Cincinnati, Ohio..... | 61 | | 1 | .77 | | .67 |
| Columbus, Ohio..... | 60 | | 4 | .92 | | .92 |
| Parkersburg, W. Va..... | 62 | | 5 | .84 | | .84 |
| Pittsburg, Pa..... | 59 | | 5 | .77 | | .77 |
| Lake Region: | | | | | | |
| Oswego, N. Y..... | 49 | | 3 | .56 | | .56 |
| Rochester, N. Y..... | 51 | | 3 | .70 | | .70 |
| Buffalo, N. Y..... | 49 | | 5 | .73 | | .53 |
| Erie, Pa..... | 52 | | 4 | .80 | | .60 |
| Cleveland, Ohio..... | 53 | | 5 | .68 | | .68 |
| Sandusky, Ohio..... | 55 | | 3 | .70 | | .60 |
| Toledo, Ohio..... | 55 | | 3 | .73 | | .53 |
| Detroit, Mich..... | 53 | | 3 | .72 | | .62 |
| Lansing, Mich..... | 54 | | 5 | .63 | | .43 |
| Port Huron, Mich..... | 48 | | 2 | .73 | | .23 |
| Alpena, Mich..... | 44 | | 2 | .74 | | .64 |
| Sault Ste. Marie, Mich..... | 45 | | | .49 | | .49 |
| Marquette, Mich..... | 44 | | 2 | .56 | | .56 |
| Escanaba, Mich..... | 43 | | 1 | .61 | | .61 |
| Green Bay, Wis..... | 50 | | 2 | .73 | | .73 |
| Grand Haven, Mich..... | 50 | | 4 | .70 | | .50 |

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

Table of temperature and rainfall, week ended May 7, 1900.—Continued.

| Locality. | Temperature in degrees Fahrenheit. | | | Rainfall in inches and hundredths. | | |
|----------------------------------|------------------------------------|---------|-------------|------------------------------------|---------|-------------|
| | Normal. | Excess. | Deficiency. | Normal. | Excess. | Deficiency. |
| Lake Region—Continued. | | | | | | |
| Milwaukee, Wis..... | 48 | 2 | | .77 | | .67 |
| Chicago, Ill..... | 51 | 1 | | .82 | | .52 |
| Duluth, Minn..... | 44 | 2 | | .70 | | .70 |
| Upper Mississippi Valley: | | | | | | |
| St. Paul, Minn..... | 52 | 2 | | .70 | | .70 |
| La Crosse, Wis..... | 54 | | | .65 | | .15 |
| Dubuque, Iowa..... | 55 | 1 | | .77 | | .27 |
| Davenport, Iowa..... | 56 | 0 | | .87 | | .37 |
| Des Moines, Iowa..... | 57 | 1 | | .94 | | .14 |
| Keokuk, Iowa..... | 58 | 2 | | .91 | | .31 |
| Hannibal, Mo..... | 59 | 1 | | .88 | 1.22 | |
| Springfield, Ill..... | 60 | 0 | | 1.05 | | .65 |
| Cairo, Ill..... | 64 | 2 | | .81 | | .31 |
| St. Louis, Mo..... | 63 | 1 | | .98 | 1.09 | |
| Missouri Valley: | | | | | | |
| Columbia, Mo..... | 59 | 3 | | 1.28 | | .88 |
| Springfield, Mo..... | 63 | 1 | | 1.32 | | .82 |
| Kansas City, Mo..... | 60 | 4 | | .95 | | .85 |
| Topeka, Kans..... | 61 | 3 | | 1.16 | | 1.16 |
| Wichita, Kans..... | 63 | 1 | | .72 | | .72 |
| Concordia, Kans..... | 59 | 3 | | .75 | | .65 |
| Lincoln, Nebr..... | 58 | 2 | | .83 | .37 | |
| Omaha, Nebr..... | 57 | 1 | | .91 | | .31 |
| Sioux City, Iowa..... | 54 | 2 | | .77 | | .47 |
| Yankton, S. Dak..... | 52 | 6 | | .91 | | .11 |
| Valentine, Nebr..... | 50 | 10 | | .63 | | .23 |
| Huron, S. Dak..... | 50 | 4 | | .68 | | .18 |
| Pierre, S. Dak..... | 50 | 8 | | .49 | | .39 |
| Moorhead, Minn..... | 48 | 2 | | .56 | | .56 |
| Bismarck, N. Dak..... | 49 | 5 | | .56 | | .56 |
| Williston, N. Dak..... | 49 | 7 | | .42 | | .32 |
| Rocky Mountain Region: | | | | | | |
| Havre, Mont..... | 49 | 9 | | .28 | | .28 |
| Helena, Mont..... | 48 | 10 | | .28 | | .18 |
| Miles City, Mont..... | 53 | 5 | | .42 | | .32 |
| Rapid City, S. Dak..... | 49 | 9 | | .70 | | .40 |
| Spokane, Wash..... | 53 | 11 | | .28 | .12 | |
| Walla Walla, Wash..... | 57 | 9 | | .42 | | .32 |
| Baker City, Oreg..... | 51 | 5 | | .41 | | .41 |
| Winnemucca, Nev..... | 52 | 0 | | .24 | .06 | |
| Pocatello, Idaho..... | 51 | 5 | | .28 | | .18 |
| Boise, Idaho..... | 56 | 4 | | .35 | .25 | |
| Salt Lake City, Utah..... | 55 | 1 | | .42 | | .02 |
| Lander, Wyo..... | 48 | 2 | | .70 | | .20 |
| Cheyenne, Wyo..... | 47 | 1 | | .49 | | .09 |
| North Platte, Nebr..... | 54 | 6 | | .56 | | .46 |
| Denver, Colo..... | 53 | 1 | | .66 | | .66 |
| Fueblo, Colo..... | 56 | 0 | | .45 | | .45 |
| Dodge City, Kans..... | 59 | 3 | | .59 | .31 | |
| Oklahoma, Okla..... | 65 | | 1 | 1.00 | .60 | |
| Amarillo, Tex..... | 61 | | 1 | .36 | .04 | |
| Abilene, Tex..... | 71 | | 3 | .77 | | .07 |
| Santa Fe, N. Mex..... | 53 | | 1 | .21 | .09 | |
| El Paso, Tex..... | 70 | | 2 | .07 | | .07 |
| Phoenix, Ariz..... | 72 | | 2 | .07 | .03 | |
| Yuma, Ariz..... | 75 | | 5 | .04 | | .04 |
| Pacific Coast: | | | | | | |
| Seattle, Wash..... | 53 | 7 | | .60 | | .00 |
| Tacoma, Wash..... | 53 | 5 | | .67 | .23 | |
| Astoria, Oreg..... | 50 | 4 | | .90 | | .60 |
| Portland, Oreg..... | 55 | 5 | | .56 | .94 | |
| Roseburg, Oreg..... | 55 | | | .49 | | .00 |
| Eureka, Cal..... | 52 | 4 | | .77 | | .47 |
| Redbluff, Cal..... | 63 | | 1 | .38 | .32 | |
| Carson City, Nev..... | 52 | | 2 | .14 | .26 | |
| Sacramento, Cal..... | 61 | | 1 | .83 | .17 | |
| San Francisco, Cal..... | 56 | 2 | | .28 | | .18 |
| Fresno, Cal..... | 61 | | 2 | .12 | | |
| San Luis Obispo, Cal..... | 54 | 0 | | .08 | 1.12 | |
| Los Angeles, Cal..... | 61 | | 1 | .14 | 1.26 | |
| San Diego, Cal..... | 59 | | 1 | .14 | 1.26 | |

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

FOREIGN AND INSULAR.

The antimalarial influence of lime.

[By DR. GRELLET, Laureat of the Academy of Medicine.—Translated in this bureau from reprint from the *Revue D'Hygiene*, vol. xxi, No. 8, 1899, Paris.]

The communication made to the Academy of Medicine by Dr. Roché, of Toucy, on the disappearance of paludism in Puisaye, and the report of Dr. Laveran on the same subject, led the writer to make the following statements with regard to the antimalarial properties of lime.

The incorporation into the soil of a certain quantity of lime, used as fertilizer, brought about the disappearance of malaria on the plateau of Châtillon-sur-Loing (Loiret). After careful examination of the subject, it is not possible to attribute the disappearance of malarial fever, formerly very prevalent in this locality, to any other cause.

The fertilizing of the soil was resumed in 1824 on the plateau of Chatillon after a long cessation, and has since then been regularly carried on. In 1840 it was practiced on all the estates on the plateau, and from 1840 dates the disappearance of fevers. This disappearance is not attributable to any known cause but the use of lime as a fertilizer. The hygiene of the locality, the methods of cultivation and the agricultural implements in use remain the same; no drainage has been provided and no sanitation has been practiced. The ditches, ponds, and all bodies of stagnant water are in their usual state, but they have ceased to be foci of malarial infection.

In this case what has been the action of the lime? Has it acted directly by destroying, in virtue of its own peculiar properties, the germs of malaria present in the soil by preventing their pullulation? Or has it, by its friability and by the softening process which it sets up in the compact clayey soil, which is the special habitat of malaria, facilitated the action of the sun and oxygen and other powerful destroyers, known and unknown, of pathogenic microbes? To these questions the only reply possible is that lime has caused the disappearance of malarial germs from the estates on which it has been directly applied, and that this effect has extended, little by little, on the plateau with the increased use of lime as a fertilizer. The ponds and pools of standing water, the mire and ooze of which were formerly very pernicious, have become entirely inoffensive. It is possible that they have been rendered sanitary by the calcareous deposits carried into them by the drainage water from the fields. On the other hand, the germ of malaria having a telluric origin, it is possible that these bodies of water have ceased to be receptacles of malaria germs collected formerly by the rain water from the surface of the plateau. Simultaneously with the malarial fever there disappeared a little wild osier which has a peculiar affinity for acid soil and which formerly flourished in abundance on all fallow fields.

The arable soil of Chatillon is clay superimposed on a conglomerate of silica and oxide of iron. This is hard and compact and is as impermeable now as before the disappearance of malaria. Below, at a very great depth, is found a stratum of marl, the edges of which may be discerned on slopes of the plateau. The plateau itself overhangs, at a

height of about 30 meters, a damp, marshy valley, formed of alluvial soil, which would appear, *a priori*, to be a favorable site for malaria. Now this valley has always been spared by the fevers, while the plateau above has been affected. This immunity of the valley is only to be explained by the presence of lime, which is mixed in large proportion with the soil, and by the attrition of the calcareous rock.

To my own knowledge the liming of soil has been practiced, solely in agricultural interests, in various provinces of France which were more or less affected with malaria. Since the practice has become general these provinces have become free from malaria, this result being inexplicable except on the assumption of the influence of lime. The progress of hygiene is not sufficient to explain this change.

Following out this line of inquiry, medical geography shows many countries of the globe which present all the conditions favorable to the development of malaria, but which are yet almost immune. This immunity may, notwithstanding the generally admitted theory in regard to the etiology of malaria, find its true explanation in the agency of lime, at least as regards the countries from which I have been able to obtain data. This is the case with lower Egypt, which, with its periodic inundations, its marshes, high temperature, defective hygiene, etc., would appear to be a sort of promised land for malaria. Far from this being the case, however, Egypt has always been noted for salubrity. If at this time an apparent exception must be made as regards Alexandria and Lake Mareotis, where some intermittent fevers are observed, this peculiarity is explainable by an event relatively recent—the mixture of sea water with fresh water, after the cutting of the dykes of Lake Mareotis by the Anglo-Turkish army, April 4, 1801. In former times the health of the country was perfect. Now this salubrity of Lower Egypt undoubtedly results from the mixture of the soil with the deposits from the Nile, which contain a large proportion of lime.

The shores of the Loire and Seine and their estuaries are nearly exempt from malaria. The same general immunity is enjoyed by Beauce, situated on calcareous soil, on the right bank of the Loire. The opposite bank, in the region of the Sologne, which is sandy and clayey and very poor in lime, is strongly affected with malaria, although it is much less damp than Beauce.

On the Channel coast of France the soil is calcareous and exempt from malaria. On the ocean, at the mouth of the Loire, where clay is present and lime rare or altogether lacking, fevers make their appearance.

The basin of the Scheldt consists of granitic and clay formations. At its mouth clay alluvial deposit forms, which is an incessant source of paludal miasma, such as in 1747, 1806, and 1809 played an important part in the military history of England and France. On the contrary, the mouth of the Thames, which is opposite to that of the Scheldt and at only a short distance from it, is relatively free from malaria, in spite of the enormous pollution of the river. The waters of the Thames come largely in contact with calcareous rock.

In Algiers calcareous localities are free from malaria which prevails all around them, especially on clay soil and in a less degree in the granitic and schist region. Here malaria is bound by close relations to geological conditions. It clearly depends on the composition of the superficial strata of the soil, independently of any conditions of altitude, declivity, etc.

The absence or rarity of malaria in Tahiti, New Caledonia, and most of the islands of Polynesia, which are covered with marsh throughout the entire extent of their littoral, and appear to present malarial condi-

tions at their maximum, is a subject for amazement to travelers and physicians. There, again, as in Egypt, salubrity may be attributed to the presence of lime. The geological formations of these islands present a striking analogy; their shores are composed of coral reefs or deposits, that is to say, of lime, with which the coast marshes everywhere come in contact. It is undoubtedly to the action of lime and not to the hypothetical infiltration of sea water, as claimed by some writers, that the innocuousness of the salt marshes is to be attributed.

Many other analogous facts might be cited. In 1898 I pointed out the close relation existing in Algeria between malaria and the chemical and geological constitution of the surface soil. The germ of malarial disease has undoubtedly a telluric origin. It shows a marked preference for certain soil; it separates itself from the superficial strata, and in my observation we may forecast the salubrity of any region as regards malaria, from a knowledge solely of the nature and composition of the superficial soil.

With regard to the quantity of lime to be used it has been found that on the plateau of Chatillon 27,000 kilograms of lime to the acre sufficed for agricultural needs and for the elimination of malaria. It is to be observed that these benefits are not transitory. After seventy years' use they retain their full virtue from the cultural as well as the malarial point of view. The quantity of lime to be used should be regulated by local conditions and the proportion already present in the soil.

In conclusion I would request the academy of medicine to institute an inquiry with regard to the three following propositions:

(1) The immunity more or less complete, as regards malaria of those countries, the soil of which contains naturally in its superficial layers a strong proportion of lime, and which has mud, ooze, and slime rich in calcareous deposit.

(2) The freedom from malaria of the banks of rivers, streams and brooks flowing in calcareous basins.

(3) The relative immunity in malarious regions obtained by the addition of compost and fertilizers, chiefly lime, incorporated with the superficial strata of the soil.

NOTE.—The results of analyses made by Müntz of water taken at Cairo, September 6, 1888, from the middle of the Great Nile and at a depth of 0.60 meters, the level of the stream being 5 meters above low-water mark, are as follows:

| | In solution. | In suspension. |
|----------------------------------|--------------|----------------|
| | Gramme. | Gramme. |
| Asote in a state of nitrate..... | 1.07 | 3.00 |
| Phosphoric acid..... | 0.40 | 4.10 |
| Potash..... | 3.66 | 150.00 |
| Lime..... | 48.00 | 70.50 |

Nile mud is formed essentially of the hydrated silicates of aluminum, iron, and potassium, composing a mixture of lime and organic matter.

BELGIUM.

Report from Antwerp.

ANTWERP, BELGIUM, April 2, 1900.

SIR: I have the honor to transmit herewith weekly abstract of bills of health issued at Antwerp, Belgium, during the week ended March

31, 1900. The steamship *Westernland* sailing from New York on the 31st ultimo carried 1,087 steerage passengers, the largest number taken by any steamer from this port in seven years.

Respectfully,

E. K. SPRAGUE,

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

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

BRAZIL.

Vessels inspected at Santos.

SANTOS, BRAZIL, *February 26, 1900.*

SIR: I have the honor to report that I have inspected the following-named vessels during the week ended February 25, 1900: Steamship *Bellarden*, Alex. Davison, master; crew, 31; no passengers; for New York via Rio de Janeiro; left Santos February 21. Steamship *Roman Prince*, A. McMillan, master; crew, 25, and 2 passengers—27 all told, for New York via Rio de Janeiro; left Santos February 22.

Respectfully,

WM. H. CARSON,

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

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

SANTOS, BRAZIL, *March 12, 1900.*

SIR: I have the honor to report that I have inspected the following-named vessels during the week ended March 11, 1900: Steamship *Ragusa*, G. Siemers, master; crew, 30; no passengers; for New York via Rio de Janeiro and Bahia; left Santos March 8. Steamship *Parahyba*, F. Conen, master; crew, 38; no passengers; for New Orleans via Rio de Janeiro; left Santos, March 10.

Respectfully,

WM. H. CARSON,

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

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

SANTOS, BRAZIL, *March 19, 1900.*

SIR: I have the honor to report that I have inspected the following-named vessels during the week ended March 18, 1900: Steamship *Ballaura*, W. G. Wald, master; crew, 28; no passengers; left Santos, March 14, for New York via Rio de Janeiro and Pernambuco.

Respectfully,

WM. H. CARSON,

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

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

SANTOS, BRAZIL, *March 26, 1900.*

SIR: I have the honor to report that I have inspected the following-named vessels during the week ended March 25, 1900: Steamship *Kaffir Prince*, Smythe, master; crew, 25; no passengers; left Santos March 20 for New York via Rio de Janeiro. Steamship *Capri*, O. Ebert, master; crew, 31; no passengers; left Santos March 24 for New York via Rio de Janeiro and Bahia.

Respectfully,

WM. H. CARSON,

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

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

SANTOS, BRAZIL, SOUTH AMERICA, *April 2, 1900.*

SIR: I have the honor to report that I have inspected the following-named vessels during the week ended April 1, 1900: Steamship *Maske-lyne*, H. B. Russell, master; crew, 30; no passengers; left Santos March 26 for New York via St. Lucia. Steamship *Holbein*, C. Schurlock, master; crew, 27; no passengers; left Santos March 31 for New York via Victoria.

Respectfully,
 WM. H. CARSON,
Acting Assistant Surgeon, U. S. M. H. S.
 The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

BRITISH HONDURAS.

Report from Belize—Fruit port.

BELIZE, BRITISH HONDURAS, *April 27, 1900.*

SIR: I have the honor to report the health conditions at this port entirely satisfactory. As you see from the inclosed report of the registrar-general, there were only 4 deaths during the week. I have this day inspected the steamship *Managua*, Galt, for Mobile; 17 in crew; no passengers, but 1 man taken on as a common seaman; 1 trunk fumigated. Also inspected the steamship *Stillwater*, Galt, for New Orleans; 31 in crew; 18 passengers, 14 in transit and 4 taken on here; 12 pieces of baggage disinfected.

Respectfully,
 N. K. VANCE,
Acting Assistant Surgeon, U. S. M. H. S.
 The SURGEON-GENERAL,
U. S. Marine-Hospital Service.

[Inclosure.]

List of deaths registered in the town of Belize from the 20th instant to date.

BELIZE, *April 26, 1900.*

Certified by medical practitioner:

| | |
|---------------------------------------------------|---|
| Convulsions | 2 |
| Diarrhea..... | 1 |
| Phthisis pulmonalis..... | 1 |
| Certified by district commissioner or police..... | 0 |
| Certified by coroner..... | 0 |
| Uncertified..... | 0 |
| Total..... | 4 |

CHINA.

Plague reported in Hongkong.

WASHINGTON, D. C., *May 8, 1900.*

SIR: I have the honor, by direction of the Secretary of State, to apprise you of the receipt of a telegram from the consul-general of the United States at Hongkong, China, of to-day's date, stating that the plague has appeared at that port.

Respectfully,
 THOS. W. CRIDLER,
Third Assistant Secretary.

HON. SECRETARY OF THE TREASURY.

*Shanghai quarantines against Niuchwang on account of plague.*SHANGHAI, CHINA, *March 22, 1900.*

SIR: I beg to inform you that this port has quarantined against Niuchwang, as reliable information has reached us that the plague (bubonic) is again breaking out in that port.

Respectfully,

JOHN GOODNOW,
Consul-General.

Hon. ASSISTANT SECRETARY OF STATE.

COLOMBIA.

*Report from Bocas del Toro—Fruit port—The steamship Fulton.*BOCAS DEL TORO, COLOMBIA, *April 21, 1900.*

SIR: The agitated state of this community, owing to the report that insurgent forces were advancing on this place from the Pacific coast, leads to some complications in the enforcement of the rules prescribed by the Marine-Hospital Service for the government of vessels while in fruit ports. The steamship *Fulton*, from New Orleans, and bound to that same port, arrived here on the 18th instant and it was desired by the authorities here to send the vessel to Colon with important government dispatches, there being no other vessel available. On being consulted I informed the fruit company that the trip to Colon and communication with the shore there would, in all probability, subject the *Fulton* to quarantine detention and disinfection at New Orleans. In spite of this warning the ship was sent with a government official on board, the captain receiving instructions to land him and to have no further communication with the shore. The *Fulton* returned to-day, after having regularly entered and cleared at Colon, the captain going ashore for that purpose. A clean bill of health was furnished by the United States consul at Colon. Dr. Jumel, the medical inspector of the Louisiana State board of health, has informed that body of the facts in the case, and will issue a certificate accordingly.

The *Fulton* will load fruit and will leave this port on the 22d instant, arriving at New Orleans on or about the 28th.

I have informed the agents of the vessel that I could only furnish a certificate in accordance with the facts. I inclose a copy of such certificate which, with the above facts, I respectfully submit.

Respectfully,

HERMAN B. MOHR,
Acting Assistant Surgeon, U. S. M. H. S.

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

[Inclosure.]

BOCAS DEL TORO, COLOMBIA, *April, 1900.*

SIR: This is to certify that I have examined the Norwegian steamship *Fulton*, Jakobsen master, which arrived April 18, 1900, from New Orleans, La., and which sails to-day for the port of New Orleans, La. Number of crew, including officers, 14; sanitary condition, good; number of passengers, none; cargo, bananas; sanitary condition, good. Sanitary condition of this port and surrounding territory is good, and no contagious or infectious disease prevails here.

The above-named vessel left this port, after having entered, and sailed for the port of Colon with 1 passenger on board, a Colombian official carrying Government dispatches. The said vessel was regularly entered and cleared at Colon, the master going ashore for that purpose. A clean bill of health was given by the United States Consul at Colon. At time of departure from this port the sanitary condition of the vessel, cargo, and crew is apparently good.

BOCAS DEL TORO, COLOMBIA, *April 27, 1900.*

SIR: I have the honor to submit report for the past week, and to inclose list of vessels inspected and copies of certificates issued.

The steamship *Barnstable*, bound to Baltimore and carrying 3 passengers, left this port on the 26th instant, without certificate, the agents having dispatched her without advising me of her departure, and the consular agent delivered the bill of health without first obtaining my signature.

The sanitary condition of Bocas and contiguous territory is very good. There is less sickness here at present than I have ever before observed. Two deaths have been brought to my knowledge during the week, as follows: 1 female, Jamaican, tuberculosis; 1 male, white, gunshot wound.

Several small vessels with passengers have arrived from Colon, bringing clean bills of health, and in good sanitary condition.

Respectfully,

HERMAN B. MOHR,
Acting Assistant Surgeon, U. S. M. H. S.

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

[Inclosure.]

List of vessels inspected during the week ended Friday, April 27, 1900.

BOCAS DEL TORO, COLOMBIA, *April 27, 1900.*

April 22, steamship *City of Kingston*, Mader; crew, 21; passengers, 7; Baltimore; 12 pieces of baggage; steamship *Fulton*, Jakobsen; crew, 14; no passengers; New Orleans. April 23, steamship *Douglas*, Eriksen; crew, 23; passenger, 1; Mobile; 3 pieces of baggage. April 27, steamship *Yumuri*, Engbregsten; crew, 15; no passengers; Mobile.

COSTA RICA.

Report from Port Limon—Fruit port.

PORT LIMON, COSTA RICA, *April 22, 1900.*

SIR: I have the honor to submit report for week ended April 21:

The following vessels have cleared from this port during the week direct for the United States:

| Date. | Vessel. | Master. | Number of crew. | Destination. | Number of passengers. | Number of pieces baggage disinfected. |
|---------|---------------------------------|-------------|-----------------|-----------------------|-----------------------|---------------------------------------|
| Apr. 17 | Steamship <i>Holstein</i> | Aarhus..... | 22 | Philadelphia, Pa..... | 0 | 0 |
| Apr. 18 | Steamship <i>Anselm</i> | McFarlan .. | 38 | New Orleans, La..... | 5 | 8 |
| Apr. 19 | Steamship <i>Usk</i> | Hurry..... | 18 |do..... | 0 | 0 |
| Apr. 21 | Steamship <i>Hispanio</i> | Froeburg.. | 21 |do..... | 0 | 0 |

There have been 3 deaths during the week: One stillborn, on 15th; 1 of pulmonary phthisis, on 20th; 1 of yellow fever on same date, previously reported. No new developments up to the present writing.

Respectfully,

J. GREY THOMAS,
Acting Assistant Surgeon, U. S. M. H. S.

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

PORT LIMON, April 29, 1900.

SIR: I have the honor to submit report for the week ended April 28 :
The following vessels have cleared from this port direct for United States :

| Date. | Vessel. | Master. | Number of crew. | Destination. | Number of passengers. | Number of pieces baggage disinfected. |
|---------|-------------------------|---------------|-----------------|----------------------|-----------------------|---------------------------------------|
| Apr. 22 | Steamship Esther | Olsen..... | 17 | New Orleans, La..... | 0 | 0 |
| Apr. 26 | Steamship Olympia | Seiders | 39 |do | 0 | 0 |
| Apr. 27 | Steamship Beverly..... | Israel..... | 34 |do | 0 | 0 |
| Apr. 28 | Steamship Ethelwold... | Henshaw... | 23 |do | 0 | 0 |

There have been 2 deaths during the week, both on April 28. One a child twelve days old, of enteritis; the other a child of two years, from malarial dysentery. The health of this port is good.

Respectfully,
J. GREY THOMAS,
Acting 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, April 30, 1900.

SIR: I have the honor to report that during the week ended April 28, 15 deaths have occurred in this city—1 from malaria, 2 from intestinal diseases, and 1 from tuberculosis. Six deaths in the civil hospital. No contagious diseases reported. Health of port is good. Death rate for the week in the city is 19.55 per 1,000. Four foreign vessels have entered this port during the week and 3 have cleared for other ports. No alien steerage passengers have been landed at this port during the week.

Santa Cruz del Sur.—Dr. Juan R. Xiques reports no deaths and no contagious diseases in that vicinity during the week. Inspected 1 foreign vessel previous to departure for the United States.

Respectfully,
F. E. TROTTER,
Assistant Surgeon, U. S. M. H. S.

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

CIENFUEGOS, CUBA, May 3, 1900.

SIR: I have the honor to forward the following report from sub-station at Casilda for the week ended April 28, which arrived too late to be included in our regular weekly report.

Casilda.—Dr. Alejandro Cantero reports 8 deaths in the city of Trinidad for the week ended April 28; no contagious diseases; health of port good.

Inspected 1 foreign vessel during the week.
Respectfully,
F. E. TROTTER,
Assistant Surgeon, U. S. M. H. S.

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

*Report from Havana.*HAVANA, CUBA, *April 30, 1900.*

SIR: I have the honor to submit the weekly report for the week ended April 28, 1900, together with the mortality tables for the week ended April 25, 1900:

There has been no case of yellow fever in town since the 12th instant, though some were reported after their date of occurrence. The general health of the town is considered satisfactory. A considerable number of Americans are still leaving town. Indeed, the New York boats and transports are going out to their fullest capacity. It is easy to see by walking on the Prado the diminution of the number of Americans as compared to three weeks ago.

Among the changes which have been made is the renovation of Tallapiedra Wharf. This has been completely torn down and rebuilt. The military hospital, the sewer of which used to empty under this wharf, has been abandoned since the Spanish left and has now been cleaned up and the sewer discontinued. I await with some interest to see the health of the shipping unloading there improve. The lower part of this wharf, however, is used for the garbage dump.

The work of the station has been going on satisfactorily. A fair number of vessels have been disinfected, and more are making application for handling their vessels here in future. For vessels of moderate size the *Protector* is sufficient, but for large size vessels she has not sufficient steam-chamber capacity, nor is she able to afford quarters to enough men to quickly handle a vessel of large size. For baggage work, too, her open deck space is entirely too small, and I purpose to use the *Susana* as furnishing more deck space until she is ready to go to Nuevitas. Of course, the disinfection of package mail and such express as needs it is also done.

Respectfully;

H. R. CARTER,
Surgeon, U. S. M. H. S.

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

[Inclosure.]

| | |
|-------------------------------------------------------------|-----|
| Passengers examined..... | 321 |
| Passengers vaccinated..... | 33 |
| Outdoor department— | |
| Number of vessels inspected and entered..... | 13 |
| Number of vessels inspected and cleared | 21 |
| Number of vessels disinfected by Protector | 7 |
| Number of viveros disinfected | 6 |
| Number of pieces of baggage disinfected for passengers..... | 58 |
| Number of immigrants passed | 19 |
| Number of pieces of baggage disinfected by Protector..... | 81 |
| Mortuary report for week ended April 25, 1900— | |
| Pernicious malarial fever | 2 |
| La grippe..... | 3 |
| Meningitis | 7 |
| Malaria | 2 |
| Pneumonia..... | 7 |
| Tuberculosis | 15 |
| From all causes..... | 113 |

*Reports from Matanzas, Cardenas, Isabela de Sagua, and Caibarien.*MATANZAS, CUBA, *May 2, 1900.*

SIR: I have the honor to submit herewith the following sanitary report of the quarantine district under my command for the week ended April 28, 1900:

Matanzas.—Fourteen deaths occurred in the city of Matanzas during the period covered by this report, showing a mortality of 16.20 per thousand. The principal causes of deaths were as follows: Tuberculosis, 2; broncho-pneumonia, 1; malaria, 1; Bright's disease, 1; eclampsia, 1; arterio sclerosis, 1; other causes, 7. No cases of an infectious or contagious character have been reported. Ten vessels arrived at this port during the week; 9 were foreign vessels and 1 a coasting vessel. Of these, 8 were inspected and passed and 2 passed without inspection. Eight bills of health were issued to foreign vessels; 28 health certificates were issued; 1 piece of baggage was disinfected, and 57 pieces were inspected and passed.

Cardenas.—Acting Asst. Surg. Enrique Saez reports that 13 deaths occurred in Cardenas during the week. The principal causes of deaths were as follows. Tetanus, 3; tuberculosis, 1; enteritis, 1; malaria, 1; bronchitis, 1; heart disease, 1; other causes, 5. No cases of a particularly infectious or contagious character were reported. Ten vessels were inspected and passed; 4 of these were foreign vessels and 6 were coasting vessels. Six bills of health were issued to foreign vessels.

Isabela de Sagua.—Acting Asst. Surg. Pedro Garcia Riera, reports that 1 foreign vessel was inspected and passed on arrival. Two bills of health were issued to foreign vessels and 12 certificates of inspection were issued to coasting vessels. No sanitary report has been received for the week.

Caibarien.—Acting Asst. Surg. Bernardo Escobar reports that 5 deaths occurred at Caibarien during the week. The principal causes of deaths were as follows: Enteritis, 2; dysentery, 1; infectious fever, 1, and mitral insufficiency, 1. No cases of a particularly infectious or contagious character were reported. Four foreign vessels and 2 coasting vessels were inspected on arrival. Four bills of health were issued to foreign vessels and 2 certificates of inspection to coasting vessels.

Respectfully,

G. M. GUITÉRAS,

*Passed Assistant Surgeon, U. S. M. H. S.**Reports from Nuevitas, Puerto Padre, and Gibara.*NUEVITAS, CUBA, *April 28, 1900.*

SIR: I have the honor to submit the following report for week ended April 28, 1900:

No other case of yellow fever has been reported since April 15, 1900. The one I reported in my last communication to you is doing very well. During this week 7 vessels have arrived; 8 bills of health have been issued. No death has occurred this week.

Puerto Padre.—Seven vessels arrived; 6 bills of health issued, and 1 death. No quarantinable disease.

Gibara.—Eight arrivals; 11 bills of health issued and 8 deaths during the week. No contagious or infectious disease.

The weather in Nuevitas has been dry and hot, with occasionally hard breezes. Malarial fever and la grippe reign in a mild epidemic but widespread form.

Respectfully,

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, April 25, 1900.

SIR: I have the honor to make the following report of the sanitary condition of the fourth district of the island of Cuba for the week ended April 21, 1900:

Santiago.—There was a total of 25 deaths in the civil population of this city, an increase of 4 over the preceding week. The following were the principal causes:

| | | | |
|--------------------------|---|--------------------|----|
| Tuberculosis..... | 3 | Heart disease..... | 3 |
| Meningitis..... | 2 | Other causes..... | 7 |
| Malaria..... | 3 | | |
| Intestinal diseases..... | 4 | Total..... | 25 |
| Pneumonia..... | 3 | | |

Population, 43,000; mortality, 30.23. No contagious diseases are reported.

The Norwegian steamship *Heim* was disinfected on April 15, prior to sailing for Mobile, Ala.; the steamship *Maria Herrera*, provisional flag, was disinfected April 16, prior to sailing for Porto Rico. Fifty-eight passengers, 30 of whom were immunes, were inspected and their baggage disinfected.

On April 14, a case of fever was discovered on the British steamship *Aldborough*, while discharging a cargo of coal. The fever simulated yellow fever with the exception of the jaundice. The primary diagnosis of malaria was not supported by microscopical examination of the blood. On April 21, 3 physicians from the city saw the case and made a diagnosis of typhoid fever. Two applications of Widal tests failed to support this diagnosis. The case was removed and the living quarters of the ship were disinfected by steam and formaldehyd. A certificate to this effect was given and the vessel allowed to proceed to Baltimore via Daiquiri without detention.

Manzanillo.—Acting Asst. Surg. R. de Socarras reports 9 deaths for the period, the principal causes being:

| | | | |
|----------------|---|-------------------|---|
| Tetanus..... | 1 | Other causes..... | 4 |
| Pneumonia..... | 2 | | |
| Diarrhea..... | 2 | Total..... | 9 |

No yellow fever or smallpox reported.

Guantanamo.—Acting Asst. Surg. Luis Espin reports 12 deaths during this period, the principal causes being:

| | | | |
|------------------------|---|-------------------------|----|
| Tuberculosis..... | 2 | Intestinal disease..... | 1 |
| Pneumonia..... | 1 | Other causes..... | 4 |
| Chronic nephritis..... | 2 | | |
| Tetanus..... | 1 | Total..... | 12 |
| Pernicious fever..... | 1 | | |

No contagious diseases reported.

Daiquiri.—Acting Asst. Surg. Juan J. de Jongh reports 1 death from pneumonia.

Respectfully,

HERMAN B. PARKER,
Assistant Surgeon, U. S. M. H. S.

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

DOMINION OF CANADA.

End of smallpox in British Columbia.

VICTORIA, B. C., *April 30, 1900.*

The present status of the smallpox outbreak in this Province is as follows :

| Municipality. | Date of outbreak. | New cases. | Total cases. | Died. | Recovered. | Sick. |
|-----------------------|-------------------|------------|--------------|-------|------------|-------|
| Nelson District | Feb. 8..... | 0 | 1 | 0 | 1 | 0 |
| Rosland City..... | Feb. 9..... | 0 | 5 | 0 | 5 | 0 |
| Nelson City | Feb. 16..... | 0 | 2 | 0 | 2 | 0 |
| Nakusp City..... | Feb. 28..... | 0 | 1 | 0 | 1 | 0 |
| Grand Forks..... | Mar. 7..... | 0 | 2 | 0 | 2 | 0 |

The Province is now free from smallpox, having had 11 cases at 5 different points.

C. J. FAGAN,

Secretary, Provincial Board of Health.

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

Smallpox in New Brunswick.

WOODSTOCK, NEW BRUNSWICK, *April 28, 1900.*

SIR: In compliance with section 379, consular regulations, I have the honor of reporting to you that smallpox has broken out in this consular district, there being several cases at Grand Falls and St. Leonards. The local, assisted by the provincial, health board is using the utmost care to confine the disease to present cases. A serious outbreak is not looked for. * * *

Respectfully,

FRANK C. DENISON,

United States Consul.

Hon. ASSISTANT SECRETARY OF STATE.

Smallpox in Ontario.

TORONTO, *May 2, 1900.*

SIR: In compliance with the resolutions adopted at the conference of State and provincial boards of health, held at Toronto, October 6, 1886, respecting interstate notification of contagious diseases, I beg to make the following statement regarding the prevalence of smallpox in Ontario at the present time.

| Municipality. | County. | Date of outbreak. | Source. | Cases. | | | | Remarks. | | | |
|------------------|--------------|-------------------|--------------|--------|-------------|-------|------------|------------------|-----------------------------|------------------------|-----------------------------|
| | | | | Total. | Still sick. | Died. | Recovered. | Houses infected. | Houses at present infected. | Isolated in hospitals. | Isolated in private houses. |
| Walkerville..... | Essex..... | Apr. 18 | Detroit..... | 1 | 1 | 0 | ..... | 1 | ..... | 1 | ..... |
| Aruprior..... | Renfrew..... | Apr. 28 |do..... | 1 | 1 | 0 | ..... | 1 | 1 | ..... | 1 |
| Port Arthur..... | Thunder Bay | May 1..... |do..... | 1 | 1 | 0 | ..... | 1 | 1 | 1 | ..... |
| Total ..... | ..... | ..... | ..... | 3 | 3 | 0 | ..... | 3 | 2 | 2 | 1 |

The Aruprior and Port Arthur cases were exposed on a Canadian Pacific train from Vancouver, from which the cases in Winnipeg, Manitoba, arose.

Respectfully,

PETER H. BRYCE, *Secretary.*

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

EGYPT.

Plague at Port Said.

DEPARTMENT OF STATE,
Washington, D. C., May 4, 1900.

SIR: I have the honor by direction of the Secretary of State, to inform you that the Department is in receipt of a telegram of the 2d instant, from the agent and consul-general at Cairo, reporting an outbreak of the plague at Port Said.

Respectfully,

THOS. W. CRIDLER,
Third Assistant Secretary of State.

Hon. SECRETARY OF THE TREASURY.

ENGLAND.

Report from Liverpool.

LIVERPOOL, ENGLAND, April 23, 1900.

SIR: I have the honor to make the following report of the transactions of the Service at the port of Liverpool during the week ended April 21, 1900:

The health of Liverpool remains good. Twenty-three cases of smallpox, previously reported, remain under treatment at the lazaretto. It is interesting to note, in connection with the practice in vogue at this port of not detaining in quarantine the personnel of infected vessels, that but 3 cases of smallpox have developed among the released crew of the steamship *New England* (previously reported as having arrived here March 23 with 19 cases of smallpox on board), and that these were dealt with so promptly that they occasioned no further spread of the disease in Liverpool. Fifteen vessels cleared during the week for United States ports; of these 2 were not inspected. Nine hundred and sixty-six emigrants were inspected and passed. Three packages, the effects of 5 Russian emigrants were disinfected and labeled.

A consignment of bone dust, offered for shipment during the week from a plague-infected port in India, was refused shipment in accordance with instructions transmitted by Surgeon Magruder from London. The situation otherwise in regard to freight remains unchanged.

Respectfully,

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

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

Report from Southampton.

SOUTHAMPTON, ENGLAND, April 22, 1900.

SIR: I have the honor to report that the following vessels were inspected and passed at this port during the week ended April 21, 1900:

Wednesday, April 18, steamship *Saale*, of the North German Lloyd Line, bound for New York with passengers and cargo. There were inspected and passed 2 steerage and 13 first-cabin passengers and 5 pieces of luggage.

Friday, April 20, steamship *Fürst Bismarck*, of the Hamburg-American Line, bound for New York with passengers and cargo. There were inspected and passed 2 second-cabin and 16 first-cabin passengers and no luggage.

Saturday, April 21, steamship *Saint Louis*, of the American Line, also bound for New York. There were inspected and passed 630 steerage, 175 second cabin, and 95 first-cabin passengers and 355 small and 685 large pieces of luggage. Only 2 emigrants were detained; these did not appear very ill, but both had elevation of temperature and it was thought best to stop them. Owing to letters written to the agents of the company, I had only 8 pieces of large luggage to disinfect for this ship.

Through the courtesy of the health officer for the port I have seen the 2 cases of smallpox that occurred during the week. Both were promptly isolated in the floating hospital and no other cases have developed. Otherwise the health of the port continues very good.

Respectfully,

W. C. HOBDY,
Assistant Surgeon, U. S. M. H. S.

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

FRANCE.

Report from Marseilles.

MARSEILLES, FRANCE, *April 23, 1900.*

SIR: I have the honor to transmit the abstract of bills of health and to make the usual weekly report for the week ended April 21, 1900.

On April 21 the steamship *California*, Marseilles to New York, via Italian ports, crew 45, was inspected and given bill of health.

I have not obtained sanitary statistics yet, but expect to do so this week, and will at once transmit them to the Bureau.

Respectfully,

JOHN F. ANDERSON,
Assistant Surgeon, U. S. M. H. S.

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

GERMANY.

Report from Bremen.

BREMEN, GERMANY, *April 23, 1900.*

SIR: I have the honor to report that during the past week 860 emigrants sailed for America from this port. There were 9 detentions as follows: Fever (unknown cause), 5; trachoma, 1; favus, 1; severe deformity of arm and hand, 1; scarred face, with ectropion, 1.

The last weekly health report for Bremen shows 5 cases of scarlet fever, 2 cases of diphtheria, and 1 case of enteric fever.

Respectfully,

JOSEPH B. GREENE,
Passed Assistant Surgeon, U. S. M. H. S.

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

Report from Hamburg.

HAMBURG, *April 23, 1900.*

SIR: I have the honor to report for the week ended April 21, 1900: The steamship *Batavia*, of the Hamburg-American Line, sailed April 15 carrying 569 steerage passengers. One Russian emigrant with measles was held back. The number of passengers was smaller than usual on this vessel on account of sailing taking place on Easter Sunday. The

express steamer *Fürst Bismark* sailed April 19 carrying 513 steerage passengers. These fast steamers do not make so much of the emigrant traffic as the slower ones.

On the 17th I visited the maritime quarantine station at Cuxhaven near the mouth of the Elbe, through the courtesy of the port physician of Hamburg. I will make the quarantine system the subject of a separate report.

Respectfully,

A. C. SMITH,

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

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

HAWAIIAN ISLANDS.

End of plague in Honolulu.

HONOLULU, H. I., *April 27, 1900,*
via San Francisco, Cal., May 4, 1900.

No plague since March 31. Quarantine will be raised unless new foci develop.

CARMICHAEL,

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

IRELAND.

Reports from Queenstown.

QUEENSTOWN, IRELAND, *April 24, 1900.*

SIR: The importance of Queenstown as a port of call is not to be minimized. Many vessels from many climes put in here for orders regarding their final destination and disposal of cargoes. In looking over the register for 1899, I find ships have called here direct from nearly every seaport of importance in the world. Hence it is possible that a ship from a plague-infected port may call at any time. For instance: On the morning of April 2 I learned that the Norwegian ship *Collingwood*, one hundred and ten days out from Rangoon, with a cargo of teak, had arrived the day before with 2 cases of beriberi aboard.

Having in mind the beriberi incident at Port Townsend, Wash., and seeing in PUBLIC HEALTH REPORTS of March 23, 1900, that a death from plague had occurred in Rangoon District, between November 19, 1899, and February 3, 1900, I looked up the boarding doctor, and learned that 1 case would be brought ashore to the hospital. I saw the case when he was paid off before the Norwegian consul, but could not make a good examination there; still I found some enlarged inguinal glands. Two days later I was invited to see the case at the hospital in company with his physician, and I found a general enlargement of the lymphatic glandular system. His heart was very weak and considerably dilated, which accounted for the general oedema. A syphilitic eruption was on his body. I agreed with 2 other physicians, who had seen him, in that it was a case of syphilis and heart disease. I saw the case again Saturday, and he has so far improved that he was sent home to Norway to-day. The ship sailed for London on the 5th, taking the other case of beriberi (?) along. I have delayed reporting this incident until I could report on the termination of the case. Had my suspicions not been allayed at the second examination of the case, I would have reported the case by cable and letter at once.

Respectfully,

J. H. OAKLEY,

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

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

QUEENSTOWN, IRELAND, *April 28, 1900.*

SIR: I have the honor to transmit herewith weekly abstract of bills of health, and sanitary report; and to report on the transactions at this port for the week ended to-day as follows: April 22, Cunard steamship *Lucania*, for New York, 5 saloon, 49 second-cabin, and 411 steerage passengers, with 784 pieces of baggage. April 26, American Line steamship *Penland*, for Philadelphia, 17 second-cabin and 237 steerage passengers, with 346 pieces of baggage.

Respectfully,

J. H. OAKLEY,

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

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

ITALY.

Smallpox on the steamship New England.

ROME, *March 31, 1900.*

SIR: I think it my duty to report to you the following: On February 1 last a manager of traveling tours, a certain Frank C. Clark, of New York, took in the United States some 500 tourists for a cruise to the Mediterranean and the Orient. They embarked at Boston on the Dominion Line steamship *New England*. Commander James McAuley.

On March 19, on the return trip, they arrived at Naples. The passengers got off there and proceeded the next day to Rome. No sooner had they landed here than 2 of their passengers were taken down with smallpox. They were a Miss Scouten, of Sparta, Wis., who died from the disease within four days, and a Mrs. I. G. Vaughan, of Dayton, Ohio, who is now recovering. These 2 cases were followed, to my knowledge, by 6 additional ones. Of these, all but 2, who are still in danger, are doing well.

The Italian authorities had the cases immediately isolated and carried to the hospital for contagious diseases, where the invalids are under the best possible care.

I was assured, and everything points to the conclusion, that the disease had broken out on board the ship before her arrival at Naples, but that the fact was concealed from the authorities and from the passengers in order to escape quarantine. Miss Scouten made an antemortem declaration to Dr. W. W. Baldwin, an American citizen residing and practicing in Rome, to the effect that she had noticed a suspicious case of disease similar, she said, to her own, isolated and quarantined at one end of the ship, the sick person being a Mrs. Thompson, wife of Captain Thompson, of Friendship, Me. Miss Scouten was emphatic in her assertion that she had noticed the lady's face covered with blotches, that she had spoken of it to Mr. F. C. Clark, the manager of the touring party, who had denied the fact and requested her not to speak of such things, for the ship might be quarantined. Mr. Vaughan is equally positive in his statements as to the existence of smallpox on board of the ship, and the subsequent events do, unfortunately, fully corroborate these declarations.

It is asserted that a Mr. N. H. Becker, of Seneca Falls, N. Y., died of the disease, and that he was buried at sea; the cause of his death being given as acute jaundice. It is also said that Mrs. Thompson died on board, but this I could not verify; at all events she was not among the party at Rome.

So soon as I heard of the charges brought against the steamship offi-

cials, I questioned Mr. F. C. Clark, when he called upon me at this office, but he strongly denied them. Notwithstanding I immediately sent the following telegram to the United States consul at Naples:

Request port authorities ascertain if steamer *New England* had any smallpox cases on board before reaching Naples. Some cases broke out here among Americans of ship's party. They claim sickness was on board, but concealed. Inquest necessary to establish truth and fix responsibility.

DE CASTRO,
Consul-General.

To which I received the following reply: "*New England* not visited by local authorities. Out of our jurisdiction. Sailed Liverpool."

The sudden sailing of the ship and her unloading the baggage of the passengers which had been left on board, and the passengers themselves not being allowed to proceed on the steamer to Villefranche and Liverpool, as previously intended, strongly sustain the charges brought against the officers of the *New England*. Moreover Mr. Clark admitted to me, that after the passengers had left the ship at Naples, 3 members of the crew had shown the symptoms of smallpox; this would go to prove also that the steamer was infected.

Having ascertained that the *New England* was on her way to Liverpool, I at once telegraphed to the surgeon of the United States Marine-Hospital Service at this port: "Strongly suspect steamer *New England* of Dominion Line returning from eastern cruise with 500 American tourists had smallpox case on board before reaching Naples. A number of cases broke out in Rome among passengers from the ship. They claim that the sickness on board was concealed from authorities. Ship reported all right on board. Was not visited at Naples. Sailed suddenly for Liverpool, whence she is booked for New York with some of the passengers. I suggest that inquest be made, if possible, on arrival of ship to ascertain the truth and to fix the responsibility. One of the patients has since died from the disease..

"DE CASTRO,
United States Consul."

I confirmed this telegram by letter.

I am hopeful that some action might be taken to thoroughly investigate this matter, and if possible to bring to justice the people guilty of the perpetration of the criminal action of concealing the existence of the infectious disease on board. They have brought sorrow and desolation to a number of families and endangered the health and life of whole communities. Had the officers of the *New England*, upon their arrival at Naples, made the proper sanitary declaration, the passengers would have been vaccinated and otherwise treated, and the evil would have been checked.

The conduct of the officers of the ship and of the manager of the touring party was no doubt dictated by greed and to attain their aim; they have committed a dastardly offense against the law of nations and against mankind. I sincerely trust that they will be made to suffer for it.

Since writing the above there has been another victim of the disease, a Mr. Emory Ford, of the same touring party, who died yesterday at Genoa, where he had proceeded directly from Rome upon his arrival from Naples. Mr. Ford came from Allegheny, Pa.

All of which is respectfully submitted,

HECTOR DE CASTRO, *Consul-General*.

Hon. ASSISTANT SECRETARY OF STATE.

Here is a list of the victims of the disease in Rome :

Recovering.—Rev. F. P. Archer, of Morris, Minn.; Miss Azelia Wells, of Herman, Minn.; Rev. G. F. Love, Jr., of Oswego, N. Y.; Mrs. E. M. Gordon, of Pittsburg, Pa.; Mrs. J. G. Vaughan, of Dayton, Ohio.

Dead.—Miss Anna Scouten, of Sparta, Wis.; Mr. Emory L. Ford, Alleghany, Pa.

ROME, April 6, 1900.

SIR: Supplementing my report of March 31 last, No. 81, referring to various smallpox cases which had broken out among the American tourists of the British Dominion Line steamer *New England*, I beg leave to inclose a copy of the letter received by me from Assistant Surgeon Mathewson of the United States Marine-Hospital Service, at Liverpool, which speaks for itself.

In addition to the cases of smallpox mentioned in my last communication upon the subject there is another case to register, that of Mrs. Emily P. Yoe, of Richmond, Ind., whose condition I am happy to say is satisfactory. I must, however, report with great regret, the death of the Rev. Geo. F. Love, jr., who was taken ill with the disease three days after his arrival in Rome.

From all the information I have been able to gather I am convinced once more that the *New England* was badly infected prior to her arrival at Naples, all the circumstances pointing to the fact that the disease was brought on board at Alexandria, Egypt.

The Italian authorities are thoroughly investigating the matter and will no doubt in time communicate the results of their investigation to the United States Government.

I deem it my duty to express the highest praise and appreciation for the manner in which the health authorities in Rome have acted in these trying circumstances. By the prompt and energetic measures taken by them, they prevented the spread of the disease in the city, and I am happy to say that no other case of the dreaded disease has broken out either among the population or among the remaining passengers of the *New England*.

Our sick at the hospital for contagious diseases were and are treated in the most kind manner and receive all the attention that the best skill can procure. Special English-speaking nurses have been engaged and every measure is taken for the comfort of the invalids.

I myself call every day at the hospital to look after the welfare of the patients.

If I may be allowed to close this report with a suggestion, in order to avoid the repetition of such criminal occurrences, foreign ships carrying large numbers of American tourists to Eastern cruises, be compelled to have on board in addition to the regular ship's physician an American doctor.

All of which is respectfully submitted,

HECTOR DE CASTRO,
Consul-General.

HON. SECRETARY OF STATE.

[Inclosure.]

LIVERPOOL, April 12, 1900.

SIR: I have the honor to acknowledge the receipt of your telegram of the 23th ultimo and to thank you for the information therein contained. The British port sanitary authorities were notified, and the *New England* was quarantined upon her arrival here March 23. Nineteen cases of smallpox were found aboard. The vessel complied upon

her arrival with all the requirements of British law, and, of course, can not be brought to account for deceptions practiced in Italian ports.

From information gathered here, there is morally no doubt that the vessel was infected upon her arrival at Naples, and some sharp practices must have been indulged in to escape quarantine at that port.

Respectfully,

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

HON. HECTOR DE CASTRO, *Consul-General.*

GENOA, ITALY, *April 5, 1900.*

SIR: I have the honor to report more in detail the circumstances attending the death of Mr. Emory Low Ford, an American citizen from Pittsburg, who died here of smallpox on March 29, mention of which was made in my report of last week. Mr. Ford accompanied a party of tourists on the steamship *New England* to Egypt, and while on one of the Nile steamers was exposed to the contagion of variola. The *New England* arrived at Naples about sixteen days ago and many of the passengers visited the places of interest in Italy, including Rome, Genoa, and Venice. Smallpox made its appearance on board the steamer at Naples. I was informed by one of the passengers that notices were posted in the hotels of Rome advising all concerned not to return to the steamer on account of this disease.

Mr. Ford and a friend, Mr. Price, arrived in Genoa on March 24 or March 25. This friend states that the deceased had a chill while on the cars several hours before reaching Genoa, and that he was a very sick man, being confined to his bed at the Hotel de Gene up to the time of his death. Mr. Price applied at the consulate for instructions relative to the shipment of the remains by one of the Lloyd steamers to New York, and stated that the cause of death was heart disease. I was requested by the consul, Mr. Fletcher, to examine the body for the purpose of satisfying ourselves as to the cause of death, as the circumstances seemed fully to warrant the precaution. An examination, made in the absence of the medical attendant, revealed an eruption confined mainly to the lower trunk, groins, and thighs, though there were a few papula, perhaps two days old, on the face (brow), feet, and legs. The medical attendant held to his original diagnosis of heart disease, though admitting that he had not examined his patient's body or lower extremities. Smallpox, in his opinion, was remote, since the temperature of the patient for the last thirty-six hours of life was so nearly normal.

When reminded that a subsidence of temperature in smallpox cases was usual after the appearance of the eruption, he replied that there was no eruption, but that he had noticed "some petechiæ on the chest which was to be expected after death from heart disease." It should be stated that the doctor and the friend of the deceased requested that no further examinations be made and that the health authorities should not be notified. The advice to cremate was objected to by relatives in America. The remains were given a temporary resting place in the Protestant cemetery pending removal to the United States. It seemed proper to inform the Bureau fully of this sad occurrence since a request may be made at any time for authority to remove the body to the United States.

Respectfully,

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

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

*Report from Genoa—Method of destroying rats.*GENOA, ITALY, *April 23, 1900.*

SIR: I have the honor to transmit herewith the abstract of bills of health and the regular report for the week ended April 22, 1900. On April 19, steamship *Aller*, North German Lloyd Line, bound for New York; 28 cabin and 265 steerage passengers, and 247 pieces of baggage were inspected and passed. The 2 steerage passengers held over from last week embarked on this vessel, their fever having proved malarial in character.

The importance given here to the disinfection of vessels from plague-infected places, has led to the employment of a very cheap and efficient method for the destruction of rats and other vermin aboard. This method, which is original with Dr. Antonio De Ferrari, the quarantine officer of the port of Genoa, consists in burning charcoal in the hold in place of sulphur, the charcoal being ignited by aid of kerosene. After carefully sealing all the openings, 6 kilos of charcoal for each 100 cubic meters of space are consumed. An exposure of eight hours duration is considered sufficient for all practical purposes. It is claimed by Dr. De Ferrari that the practical utility of this method depends upon the lightness and greater diffusion of the gases liberated; that SO₂ is much heavier, and soon gravitates, on cooling, to the lower portion of the space, leaving animals alive in the nooks and crannies of the upper section.

Respectfully,

RUPERT BLUE,

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

The SURGEON-GENERAL,

*U. S. Marine-Hospital Service.**Report from Naples—Suspected plague on steamship Raffaele Rubattino.*NAPLES, ITALY, *April 18, 1900.*

SIR: I have the honor to report that for the week ended April 18, 1900, the following ships were inspected:

On April 13, the steamship *Trave*, of the North German Lloyd Steamship Company, bound with passengers and cargo for New York. There were inspected and passed 37 cabin and 678 steerage passengers and 65 pieces of large and 570 pieces of small baggage; 380 pieces of baggage were disinfected by steam.

On April 18, the steamship *Spartan Prince* of the Prince Line, bound with passengers and cargo for New York. There were inspected and passed 5 cabin and 979 steerage passengers and 107 pieces of large and 697 pieces of small baggage. Two hundred and twenty-two pieces of baggage were disinfected by steam.

Plague.

The Italian steamship *Raffaele Rubattino*, from Bombay, which reached Italy April 15, with a case of suspected plague on board, was remanded to Asinara for further observation.

Smallpox.

No further cases of smallpox have been reported from Sicily, nor have any more been observed among the emigrants from that island.

An epidemic of smallpox has been unofficially reported at Reggio, Calabria.

Until more definite information is at hand all baggage from that district will be disinfected.

Respectfully,

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

VICTOR G. HEISER,
Assistant Surgeon, U. S. M. H. S.

NAPLES, ITALY, *April 25, 1900.*

SIR: I have the honor to report that for the week ended April 25, 1900, the following ships were inspected:

On April 20, the steamship *Aller*, of the North-German Lloyd Steamship Company, bound with passengers and cargo for New York. There were inspected and passed 70 cabin and 530 steerage passengers and 134 pieces of large and 567 pieces of small baggage. One hundred and fifty-five pieces of baggage were disinfected by steam.

On April 24 the steamship *Sempione*, of the Italian Navigation Company, bound with passengers and cargo for New York. There were inspected and passed 749 steerage passengers and 52 pieces of large and 550 pieces of small baggage. Nine hundred pieces of baggage were disinfected by steam.

On April 24 the steamship *Victoriu*, of the Anchor Line, bound with passengers and cargo for New York. There were inspected and passed 1,121 steerage passengers and 61 pieces of large and 1,125 pieces of small baggage. Three hundred pieces of baggage were disinfected by steam.

Respectfully,

VICTOR G. HEISER,
Assistant Surgeon, U. S. M. H. S.

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

Quarantine against Port Said on account of plague.

WASHINGTON, D. C., *May 5, 1900.*

SIR: I have the honor to advise you that I am informed by the Italian ambassador at this capital that Port Said has been declared by his Government infected with the bubonic plague, and that vessels from that port will be subject in Italy to quarantine ordinances 3 and 6 of 1897 and 1 and 10 of 1900.

Respectfully,

JOHN HAY,
Secretary of State.

Hon. SECRETARY OF THE TREASURY.

JAPAN.

Concerning rumors of plague—Plague in Formosa.

YOKOHAMA, JAPAN, *April 12, 1900.*

SIR: I have the honor to report that the sanitary condition of Japan appears to be, on the whole and from the point of view of the existence of quarantinable disease, satisfactory.

Within a few days rumors have been circulated that many rats are dying at Osaka, and even that cases, fairly suspected to be of plague, had occurred there in the human subject.

As the rumors referred to have owed their dissemination to native papers of antiadministration politics, they must, perhaps, be taken with allowance. However, the central sanitary bureau disclaiming any knowledge of the asserted facts, I, on the 9th instant, telegraphed to

Dr. Fowler, acting assistant surgeon, United States Marine-Hospital Service, at Kobe, as follows:

"Investigate reported pest in rats and man at Osaka. Go Osaka if needful. Report to me by wire."

To this Dr. Fowler replied yesterday:

"Answer from governor of Osaka, no pest occurring among rats or men at present."

I have written Dr. Fowler to keep in close touch with Osaka notwithstanding.

The houses in the suburbs of Kobe in which the plague broke out last fall, and those in the immediate neighborhood to which it spread later, were pulled down on the 10th instant and the debris burned. I will not attempt to account for the remarkable delay in carrying out this measure which was long ago determined upon.

A single case of plague is reported from Okinawa Ken, which comprises the old kingdom of Liu Kiu, but it does not seem well authenticated.

From Formosa the latest return is as follows: "April 8 there were 7 pest cases in Tainan, of which 4 proved fatal, bringing the total number of cases since the beginning of the year to 239, of which 176 were fatal."

Some dysentery exists in various parts of the Empire, but I am unable at present to obtain reliable statistics. It is certainly not, as yet, severe in any locality.

Respectfully,

STUART ELDRIDGE, M. D.,

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

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

Inspection of vessels bound for United States ports during the six months ended December 31, 1900.

YOKOHAMA, JAPAN, *March 1, 1900.*

SIR: I have the honor to report that during the half year ended December 31, 1899, I have officially inspected vessels bound for ports in the United States and its dependencies, the latter including Guam, the Philippines, and Hawaii, to the number of 108, one fourth more than in the preceding six months, and an average of 1 ship inspected every forty-one hours.

Of these vessels, 30 were under the United States flag, 43 were British, 27 Japanese, 3 German, 3 Norwegian, 1 Hawaiian, and 1 Chinese; 96 were steamers and 12 sailing vessels.

Of the steamers, 68 carried steerage passengers to the number of 38,131, concerning whom I inclose a detailed statement as against 15,135 during the six months January to June, 1899.

A considerable part of this apparent increase in steerage travel is due to the inclusion in the statistics of the 11,356 troops passing between Manila and the United States via Yokohama. Deducting these, however, as well as 1,571 people bound for Victoria, British Columbia, there still remain 25,204 ordinary steerage passengers and emigrants for Pacific ports of the United States and for Hawaii.

Adding the number of the crews of all vessels inspected, 9,032, to the total of steerage passengers, the number of persons individually examined by me during the half year was 47,163.

Respectfully,

STUART ELDRIDGE, M. D.,

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

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

[Inclosure.]

Report of steerage passengers, carried on ships bound for United States territory, through and from Yokohama, Japan, and individually inspected from July 1, 1899, to December 31, 1899.

| Name of steamer. | Date of departure. | Destination in U. S. territory. | In transit. | | From Yokohama. | | Total. | Landed Yokohama. |
|----------------------|--------------------|---------------------------------|--------------|----------------------------------|----------------|----------------------------------|--------|------------------|
| | | | U. S. ports. | Victoria, Honolulu, Philippines. | U. S. ports. | Victoria, Honolulu, Philippines. | | |
| America Maru | July 1 | San Francisco via Honolulu..... | 90 | 11 | 22 | 466 | 589 | 27 |
| Thyra | July 6 | do | 11 | 131 | 49 | 257 | 448 | ..... |
| City of Peking | July 12 | do | 154 | 53 | 3 | 576 | 786 | 6 |
| Riojun Maru | July 13 | Seattle via Victoria..... | 34 | 40 | 14 | 43 | 131 | 6 |
| Gaelic..... | do..... | San Francisco via Honolulu..... | 283 | 29 | 10 | 214 | 536 | 21 |
| Victoria..... | July 18 | Tacoma via Victoria..... | 103 | 82 | 17 | 29 | 231 | 3 |
| Hongkong Maru..... | July 19 | San Francisco via Honolulu..... | 10 | 63 | 21 | 243 | 337 | 28 |
| Columbia..... | July 22 | Portland via Honolulu..... | 24 | 36 | 2 | 42 | 98 | ..... |
| China | July 30 | San Francisco via Honolulu..... | 290 | 115 | 11 | 291 | 707 | 15 |
| U. S. A. transport | Aug. 2 | San Francisco..... | 1,075 | ..... | ..... | ..... | 1,075 | 2 |
| Warren. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Belgian King..... | do..... | San Francisco via Honolulu..... | 7 | 17 | 17 | 360 | 401 | ..... |
| Monmouthshire..... | Aug. 4 | Portland..... | 39 | ..... | 24 | ..... | 63 | ..... |
| Toyo Maru | Aug. 5 | Honolulu..... | ..... | 699 | ..... | ..... | 699 | ..... |
| Doric..... | do..... | San Francisco via Honolulu..... | 196 | 74 | 14 | 298 | 582 | 27 |
| U. S. A. transport | Aug. 8 | San Francisco..... | 1,535 | ..... | ..... | ..... | 1,535 | 2 |
| Sherman. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Kinshiu Maru..... | Aug. 9 | Seattle via Victoria..... | 13 | 95 | 20 | 1 | 134 | 5 |
| Tacoma | Aug. 11 | Tacoma via Victoria..... | 61 | 12 | 2 | ..... | 75 | 2 |
| U. S. A. transport | Aug. 14 | San Francisco..... | 1,393 | ..... | ..... | ..... | 1,393 | 4 |
| Grant. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Nippon Maru..... | Aug. 16 | San Francisco via Honolulu..... | 205 | 3 | 42 | 24 | 274 | 12 |
| Carmarthenshire..... | Aug. 18 | do | 8 | ..... | 5 | 600 | 613 | ..... |
| Glenogle | Aug. 22 | Tacoma via Victoria..... | 101 | 125 | 26 | 14 | 266 | ..... |
| U. S. A. transport | Aug. 24 | San Francisco..... | 1,784 | ..... | 1 | ..... | 1,785 | ..... |
| Sheridan. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Coptic..... | Sept. 2 | San Francisco via Honolulu..... | 536 | 120 | 3 | 96 | 755 | 22 |
| Lennox..... | do..... | Portland via Honolulu..... | 43 | 317 | 11 | 380 | 751 | ..... |
| Bankoku Maru..... | Sept. 5 | Honolulu..... | ..... | 699 | ..... | ..... | 699 | 5 |
| U. S. A. transport | do..... | San Francisco..... | 410 | ..... | ..... | ..... | 410 | 1 |
| Valencia. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| U. S. A. transport | Sept. 6 | do | 528 | ..... | ..... | ..... | 528 | ..... |
| Zealandia. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Idzumi Maru..... | Sept. 7 | Seattle via Victoria..... | 7 | 69 | 25 | 5 | 106 | 8 |
| America Maru | Sept. 9 | San Francisco via Honolulu..... | 64 | 65 | 39 | 157 | 325 | 3 |
| Olympia..... | Sept. 14 | Tacoma via Victoria..... | 126 | 127 | ..... | ..... | 253 | ..... |
| U. S. A. transport | Sept. 19 | San Francisco..... | 806 | ..... | ..... | ..... | 806 | ..... |
| Pennsylvania. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| City of Peking..... | do..... | San Francisco via Honolulu..... | 133 | 110 | 66 | 381 | 690 | 16 |
| U. S. A. transport | Sept. 25 | Manila..... | ..... | 1,057 | ..... | ..... | 1,057 | ..... |
| Warren. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| U. S. A. transport | do..... | San Francisco..... | 1,148 | ..... | 2 | ..... | 1,150 | 7 |
| Tartar. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| America Maru | Sept. 27 | San Francisco via Honolulu..... | 2 | 60 | 81 | ..... | 143 | ..... |
| Toyo Maru | Sept. 28 | Honolulu..... | ..... | 351 | ..... | 346 | 697 | 2 |
| Gaelic..... | do..... | San Francisco via Honolulu..... | 323 | 45 | ..... | 206 | 574 | 6 |
| Hongkong Maru..... | Oct. 4 | do | 33 | 1 | 11 | 446 | 491 | 23 |
| U. S. A. transport | Oct. 5 | San Francisco..... | 727 | ..... | ..... | ..... | 727 | ..... |
| Senator. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Riojun Maru..... | Oct. 10 | Seattle via Victoria..... | 64 | 45 | 12 | 46 | 167 | 7 |
| Carlisle City..... | Oct. 11 | San Diego via Honolulu..... | 12 | ..... | ..... | 699 | 711 | ..... |
| China..... | Oct. 14 | San Francisco via Honolulu..... | 424 | 39 | ..... | 406 | 869 | 35 |
| Monmouthshire..... | Oct. 20 | Portland..... | 107 | ..... | 27 | ..... | 134 | 1 |
| Doric..... | do..... | San Francisco via Honolulu..... | 305 | 52 | 4 | 642 | 1,003 | 39 |
| Saint Irene..... | Oct. 21 | Tacoma via Victoria..... | 57 | 233 | 3 | 31 | 324 | ..... |
| U. S. A. transport | Oct. 23 | San Francisco..... | 877 | ..... | 10 | ..... | 887 | ..... |
| Indiana. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| City of Dublin..... | Oct. 31 | Tacoma via Victoria..... | 7 | 5 | ..... | ..... | 12 | 2 |
| Nippon Maru | do..... | San Francisco via Honolulu..... | 61 | 5 | 3 | 673 | 742 | 12 |
| Kinshiu Maru | do..... | Seattle via Victoria..... | 34 | 106 | 34 | 13 | 187 | 3 |
| Breconshire..... | Nov. 10 | Tacoma via Victoria..... | 50 | 103 | 37 | 34 | 224 | ..... |
| Yorohime Maru..... | Nov. 11 | Honolulu..... | ..... | 418 | ..... | 281 | 699 | ..... |
| Toyo Maru | Nov. 12 | Undet. via Honolulu..... | ..... | ..... | ..... | 697 | 697 | ..... |
| Thyra | Nov. 13 | San Francisco via Honolulu..... | 12 | ..... | ..... | 710 | 722 | ..... |
| Coptic..... | Nov. 16 | do | 379 | 73 | 11 | 487 | 950 | 28 |
| Abergeldie..... | Nov. 17 | Portland via Honolulu..... | ..... | 296 | ..... | 388 | 684 | ..... |
| Carmarthenshire..... | Nov. 21 | San Diego via Honolulu..... | ..... | ..... | ..... | 250 | 250 | ..... |
| America Maru | Nov. 25 | San Francisco via Honolulu..... | 44 | 13 | 18 | 653 | 728 | ..... |
| Nanyo Maru | Nov. 29 | Seattle via Honolulu..... | 14 | 294 | 33 | 404 | 745 | 3 |
| Idzumi Maru..... | Dec. 4 | Seattle via Victoria..... | 8 | ..... | 73 | 14 | 95 | 2 |
| City of London..... | Dec. 9 | Tacoma via Victoria..... | 29 | 31 | ..... | ..... | 60 | ..... |

Report of steerage passengers, carried on ships bound for United States territory, through and from Yokohama, Japan, etc.—Continued.

| Name of steamer. | Date of departure. | Destination in U. S. territory. | In transit. | | From Yokohama. | | Total. | Landed Yokohama. |
|---------------------|--------------------|---------------------------------|--------------|----------------------------------|----------------|----------------------------------|--------|------------------|
| | | | U. S. ports. | Victoria, Honolulu, Philippines. | U. S. ports. | Victoria, Honolulu, Philippines. | | |
| Gaelic..... | Dec. 12 | San Francisco via Honolulu.... | 191 | 38 | 29 | 634 | 892 | 12 |
| Futami Maru..... | Dec. 15 | Manila..... | ..... | ..... | 1 | ..... | 1 | ..... |
| Queen Adelaide..... | Dec. 16 | Tacoma via Victoria..... | 9 | 3 | 11 | 86 | 109 | ..... |
| Hongkong Maru..... | Dec. 20 | San Francisco via Honolulu.... | 46 | 9 | 15 | 623 | 693 | 15 |
| Lady Joicey..... | Dec. 21 |do..... | ..... | ..... | 30 | 710 | 740 | ..... |
| China..... | Dec. 30 |do..... | 175 | 16 | 8 | 641 | 840 | 9 |
| Riojun Maru..... |do..... | Seattle via Victoria..... | 32 | 186 | 82 | 24 | 324 | 3 |
| Doyo Maru..... |do..... | Portland via Honolulu..... | ..... | 674 | ..... | 46 | 720 | ..... |
| Total..... | ..... | ..... | 15,244 | 7,239 | 981 | 14,667 | 38,131 | 424 |

MEXICO.

Report from Vera Cruz.

VERA CRUZ, MEXICO, April 26, 1900.

SIR: I have the honor to make the following report for the week ended April 25: Cases of yellow fever, 3; cases of smallpox, 1; deaths from yellow fever, 3; deaths from smallpox, 1. During the week I have inspected and signed bills of health for 7 vessels bound for United States and Cuban ports. One hundred and forty-three passengers were examined and passed. I wrote you on April 16 that article 64 of the Mexican quarantine regulations would be enforced this summer. Upon further inquiry I find that the article applies only to ports wherein yellow fever is epidemic. Yellow fever is not epidemic here at present, so baggage will not be disinfected until an epidemic appears. I expect to have individual certificates of inspection for passengers by next Monday, but all baggage will have to be attended to at the port of arrival. About 60 per cent of the passengers from here go to Havana. New York gets the rest, except the few that go by rail.

Respectfully,

SAML. H. HODGSON,

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

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

NETHERLANDS.

Report from Rotterdam.

ROTTERDAM, NETHERLANDS, April 23, 1900.

SIR: I have the honor to make the following report for the week ended April 21, 1900. Five vessels were inspected and received bills of health. The steamship *Spaarndam* of the Holland-America Line sailed on the 19th instant, carrying 11 cabin and 96 steerage passengers; 77 pieces of baggage were inspected and labeled, and 13 pieces were disinfected and labeled. She carried a quantity of disinfected hides. The health of this port remains good.

Respectfully,

A. R. THOMAS,

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

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

NICARAGUA.

*Reports from Bluefields—Fruit port.*BLUEFIELDS, NICARAGUA, *April 20, 1900.*

SIR: I have the honor to make my weekly report as follows: Two steamships have sailed, both for New Orleans, the *Sunnioa*, carrying 7 passengers with 8 pieces of disinfected baggage; the *Jno. Wilson*, 2 passengers and 5 pieces of disinfected baggage. Copies of certificates given to masters of said ships and to each passenger are inclosed herewith. In the town 1 death has been reported, a native female adult, of cancer. A more extensive inspection of the port and the immediate vicinity permits me to report the sanitary condition good.

Respectfully,

D. W. GOODMAN,

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

The SURGEON-GENERAL,

*U. S. Marine-Hospital Service.*BLUEFIELDS, NICARAGUA, *April 28, 1900.*

SIR: I have the honor to make my weekly report as follows: Three ships have been inspected, all bound to New Orleans. On the 22d the steamship *Hiram*, with 2 passengers and 5 pieces of baggage; on the 25th the steamship *Alabama*, with 5 passengers and 5 pieces of baggage, and on the 28th the steamship *Suldal*, with no passengers. All baggage was disinfected. Three deaths have been reported this week, 1 male adult, native, of malarial fever; 1 female infant, native, of enteritis; 1 male adult, native, of gunshot wound. The sanitary condition of Bluefields and vicinity is very good considering the intensely hot and dry season we are now undergoing.

Respectfully,

D. W. GOODMAN,

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

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

PARAGUAY.

*End of plague.*WASHINGTON, D. C., *April 28, 1900.*

SIR: By direction of the Secretary of State I have the honor to transmit herewith copy of a report concerning bubonic plague in Paraguay, transmitted by the consul of the United States at Asuncion, in his dispatch dated March 9, 1900.

Respectfully,

THOS. W. CRIDLER,

Third Assistant Secretary.

Hon. SECRETARY OF THE TREASURY.

[Inclosure.]

My report for the month of February, 1900, I have delayed somewhat to observe the course of the pest, awaiting an official declaration of its nonexistence in Paraguay. For more than twenty days there has not occurred a single case of the bubonic plague in the entire Republic. The products of Paraguay have been completely barred from entrance into the ports of the Argentine Republic, which country has taken very rigid quarantine measures against all proceedings from Paraguay. On this account the commerce has suffered most severely here. Even for four weeks we had no mail here. The first vessel to bring the mail brought 116 bags. We seemed cut off from the outside world completely. On February 20 the sanitary instructions were from the Argentine Republic that yerba mate, tobacco, and dry skins or hides should undergo a disinfection of

twenty-four hours under solar action, and the skins or hides salted should be submitted to a ten-minute disinfection of corrosive sublimate, and the woods to a vigorous inspection to avoid refuge for rats.

On March 7 Señor Angel Sualdo (who was sent here by the Argentine Republic to look after the disinfection, etc.) appeared in Asuncion, and since this late or above decree from Argentina relative to Paraguayan exportations, new commercial life and movement seemed to begin.

Respectfully,

JOHN N. RUFFIN,
United States Consul.

PHILIPPINE ISLANDS.

Reports from Manila.

MANILA, P. I., *March 23, 1900.*

SIR: I have the honor hereby to report that during the week ended March 10, 1900, there occurred 2 cases of plague, both resulting fatally, in Manila, P. I. During the same period 1 case of smallpox was reported.

This is the smallest number of cases of plague reported since the commencement of the disease, but I do not consider it indicative that the disease is under control or that the mild epidemic is subsiding.

The smallpox epidemic in the islands is not increasing, and the situation is much more favorable than in preceding years.

Respectfully,

J. C. PERRY,
Passed Assistant Surgeon, U. S. M. H. S.

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

MANILA, P. I., *March 23, 1900.*

SIR: I have the honor hereby to report that there was an increase of both plague and smallpox in Manila, during the week ended March 17, 1900. Five cases with 3 deaths of the former, and 6 cases and 1 death of the latter were reported during this period.

During the same week 2 cases of plague were reported in Cavite, the United States naval station, 7 miles distant. Both of these occurred among Chinese workmen connected with the navy-yard, and although the source of infection is not definite, still I believe that it was transmitted from Manilla, as there is daily and constant communication between the two places without restraint of any kind.

Respectfully,

J. C. PERRY,
Passed Assistant Surgeon, U. S. M. H. S.

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

MANILA, P. I., *March 23, 1900.*

SIR: I have the honor hereby to report that during the week ended March 24, 1900, there were 8 cases of plague, with 7 deaths, in Manila, P. I. Of this number there were 6 Chinese and 2 Filipinos. During the same period there were reported 2 cases of smallpox, with no deaths.

Respectfully,

J. C. PERRY,
Passed Assistant Surgeon, U. S. M. H. S.

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

Plague situation.

MANILA, P. I., *March 23, 1900.*

SIR: I have the honor hereby to submit the following information relative to the plague situation in the East.

The outlook is so far encouraging in Hongkong and China, although it is too early in the season to draw reliable conclusions. Canton and Amoy, China, are reported free from plague, and so far the weekly average in Hongkong has been 1 case. The situation is apparently encouraging for these places. On the other hand, plague is rapidly increasing in Calcutta and other ports of India, and has appeared in Sydney, Australia, bill of health, dated March 1, reporting 2 cases.

The situation in Manila does not show much improvement, and I think there will be a rather marked increase in the number of cases during May and June.

Respectfully,

J. C. PERRY,

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

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

Total deaths in Manila during January and February, 1900.

MANILA, P. I., *March 23, 1900.*

SIR: I have the honor to transmit herewith for your information a report showing the total number of deaths from all causes occurring in Manila, P. I., during the months of January and February, 1900.

Unfortunately, the reports obtainable are of little scientific value, as the nomenclature of diseases is not satisfactory, and no doubt many inaccurate diagnoses are made by the native physicians, from whose returns the report is compiled. The one submitted, however, will show the total number of deaths, but the cause in many cases is a matter of guesswork, as many die without medical attention of any kind.

The report shows an unusual number of deaths from bronchitis and eclampsia; in the former cases some were no doubt tubercle of lungs, and in the latter, convulsions occurred as a symptom of other diseases.

Respectfully,

J. C. PERRY,

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

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

[Inclosure.]

Report showing total number of deaths from all causes occurring in Manila, P. I., during the months of January and February, 1900.

| Disease. | Jan-uary. | Feb-ruary. | Disease. | Jan-uary. | Feb-ruary. |
|--------------------------------|-----------|------------|-----------------------------|-----------|------------|
| Quinsy..... | 0 | 1 | Pernicious fever..... | 9 | 14 |
| Laryngitis..... | 4 | 3 | Malarial fever..... | 45 | 22 |
| Bronchitis..... | 65 | 62 | Enteric fever..... | 2 | 6 |
| Tubercle of lungs..... | 117 | 110 | Puerperal fever..... | 5 | 1 |
| Pulmonary congestion..... | 3 | 9 | Smallpox..... | 3 | 2 |
| Broncho-pneumonia..... | 10 | 10 | Measles..... | ..... | 1 |
| Pneumonia, croupous..... | 4 | 6 | Plague..... | 18 | 25 |
| Pleuro-pneumonia..... | 2 | 1 | Tetanus..... | 11 | 10 |
| Pleurisy..... | 1 | 1 | Pyæmia..... | 3 | 1 |
| Hæmoptysis..... | 2 | 2 | Eclampsia..... | 212 | 158 |
| Influenza..... | 4 | 6 | Beriberi..... | 113 | 70 |
| Angina pectoris..... | 6 | 4 | Senile debility..... | 13 | 12 |
| Dyspepsia..... | 1 | 2 | Anæmia..... | 10 | 9 |
| Gastritis..... | 1 | 1 | Nephritis..... | 2 | 7 |
| Gastro-enteritis..... | 47 | 37 | Rheumatism..... | 10 | 8 |
| Enteritis..... | 23 | 23 | Tabes mesenterica..... | 8 | 5 |
| Enterocolitis..... | 33 | 28 | Rickets..... | 7 | 5 |
| Dysentery..... | 37 | 35 | Leprosy..... | 7 | 4 |
| Intestinal colic..... | 1 | 3 | Cancer..... | 2 | 5 |
| Peritonitis..... | ..... | 1 | Erysipelas..... | 0 | 1 |
| Hepatitis..... | 9 | 4 | Traumatism..... | 0 | 3 |
| Cerebral congestion..... | 13 | 10 | Hernia, strangulated..... | ..... | 2 |
| Cerebral hemorrhage..... | 5 | 4 | Fistula in ano..... | ..... | 1 |
| Meningitis..... | 32 | 20 | Ascites..... | ..... | 2 |
| Hemiplegia..... | 2 | 1 | Uterine hemorrhage..... | ..... | 3 |
| Locomotor ataxia..... | 0 | 1 | Intestinal obstruction..... | ..... | 1 |
| Pericarditis..... | 2 | 4 | Stillborn..... | 2 | 3 |
| Endocarditis..... | 7 | 3 | Athrepsia (?)..... | 15 | 13 |
| Arterio sclerosis..... | 9 | 7 | Cause unknown..... | 56 | 82 |
| Aneurism..... | 4 | 2 | | | |
| Valvular disease of heart..... | 21 | 15 | Total..... | 1,022 | 896 |
| Gastric fever..... | 4 | 4 | | | |

Estimated population of Manila, 350,000.

Report of transactions at Manila during February, 1900.

MANILA, P. I., March 27, 1900.

SIR: I have the honor to transmit report of transactions at this port for the month of February, 1900, as follows:

Bills of health issued—To foreign ports, 35; to domestic ports, 145; total, 180.

Number of vessels inspected at this port—From foreign ports, 34; from domestic ports, 103; total, 137.

Total number of crew inspected, 4,231; total number of passengers inspected, 2,559.

Respectfully,

J. C. PERRY,

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

The SURGEON-GENERAL,

U. S. Marine-Hospital Service.

PORTO RICO.

Report from Ponce.

PONCE, P. R., April 23, 1900.

SIR: I have the honor to transmit herewith the regular quarantine and abstract bills of health reports for the week ended April 21, 1900, also mortality statistics for the two weeks ended the same date.

During the week I disinfected 3 trunks from Panama, via Colon. The Spanish steamship *Isla de Panay* transacted business in quarantine, held on account of smallpox in Sabanilla and general unsanitary condi-

tion of the steerage passengers in transit. One passenger from La Guayra, without baggage, was allowed to land. The Cuban steamship *Maria Herrera* was held one day to complete the period of detention of 26 passengers.

This has been an active week in shipping circles and everyone is looking forward to an active season this summer.

There is but little change in the health and sanitary condition of this district since my last report.

Respectfully,

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

[Inclosure.]

Number and causes of deaths in Ponce jurisdiction (city, playa, and surrounding country) during the two weeks ended April 21, 1900.

| Infectious diseases— | Deaths. | | Deaths. |
|------------------------------------|---------|------------------------------------------|---------|
| Tuberculosis | 14 | Pernicious fever | 1 |
| La Grippe. | 9 | Diseases of the digestive apparatus.... | 50 |
| Malarial fever | 8 | Diseases of the respiratory system..... | 13 |
| Dysentery | 6 | Diseases of the circulatory system.... | 7 |
| Gastric fever..... | 2 | Diseases of the nervous system | 1 |
| Syphilis | 1 | Other diseases (anæmia, inanition, etc.) | 35 |
| Total..... | | | 147 |
| Births during the same period..... | | | 45 |

SCOTLAND.

Report from Glasgow.

GLASGOW, SCOTLAND, *April 25, 1900.*

SIR: I have the honor to submit the following report for the week ended April 21, 1900:

The steamship *City of Rome* sailed for New York on the 21st instant. There were 153 cabin and 268 steerage passengers inspected and passed. Three bundles of bedding were disinfected. On the same date the steamship *Keemun* sailed for Baltimore with cargo.

The case of smallpox reported last week occurred in a sailor who had recently returned from India. The case was of the confluent type and the patient died. Six more cases were reported during the week, all of which can be traced to infection from the sailor.

Respectfully,

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

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

SPAIN.

Report from Corunna.

CORUNNA, SPAIN, *April 22, 1900.*

SIR: I have the honor to submit the quarantine report for the week ended April 21, 1900.

April 16, Italian bark *Maria del Soccorso*, Corunna to Savannah, Ga., in ballast; crew, 11. April 21, steamer *Alfonso XIII*, from Bilbao and Santander to Havana and Vera Cruz. There were taken on here, cabin passengers, 18; steerage passengers, 135, inspected and passed.

One hundred and twenty-two pieces of large and small baggage were examined and labeled. One case of erysipelas was rejected.

The sanitary condition of this port is normal. One death from smallpox was reported during the week.

Respectfully,

JULIO HARMONY,
United States Consul.

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

FOREIGN STATISTICAL REPORTS.

ARGENTINA—*Buenos Ayres*.—Month of February, 1900. Estimated population, 800,000. Total number of deaths, 1,007, including enteric fever, 26; scarlet fever, 10, and 1 from smallpox.

AUSTRALIA—*Victoria—Melbourne*.—Month of January, 1900. Estimated population, 469,880. Total number of deaths, 725, including diphtheria, 2; enteric fever, 18; whooping cough, 2, and 75 from tuberculosis.

AUSTRIA—*Brunn*.—Month of March, 1900. Estimated population, 82,660. Total number of deaths, 280, including diphtheria, 4; enteric fever, 3; scarlet fever, 1; whooping cough, 3, and 59 from tuberculosis.

BAHAMAS—*Dunmore Town*.—Two weeks ended April 29, 1900. Estimated population, 1,472. One death. No contagious diseases.

Governors Harbor.—Two weeks ended April 28, 1900. Estimated population, 1,500. No deaths and no contagious diseases.

Green Turtle Cay—Abaco.—Two weeks ended April 28, 1900. Estimated population, 3,900. No deaths and no contagious diseases.

Nassau.—Two weeks ended May 1, 1900. Estimated population, 12,000. Number of deaths not reported. No contagious diseases.

BRITISH COLUMBIA—*Vancouver*.—Month of April, 1900. Estimated population, 30,000. Total number of deaths, 33. No deaths from contagious diseases.

CANADA—*Hamilton*.—Month of April, 1900. Estimated population, 53,000. Total number of deaths not reported. Two deaths from measles and 6 from tuberculosis.

Province of Ontario.—Reports to the provincial board of health, for the month of March, 1900, from 727 municipalities having an aggregate estimated population of 2,153,880, shows a total of 2,330 deaths, including diphtheria, 34; enteric fever, 16; measles, 22; scarlet fever, 23; whooping cough, 7, and 188 from phthisis pulmonalis.

CHILE—*Antofagasta*.—Month of March, 1900. Estimated population 16,000. Total number of deaths, 61, including 10 from measles.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 33 great towns in England and Wales during the week ended April 14, 1900, correspond to an annual rate of 22.4 a thousand of the aggregate population, which is estimated at 11,610,296. The highest rate was recorded in Manchester, viz, 30.5, and the lowest in Burnley, viz, 15.6.

Bradford.—Two weeks ended April 7, 1900. Estimated population, 291,535. Total number of deaths, 225, including diphtheria, 1; enteric fever, 6; measles, 8; scarlet fever, 5, and 1 from whooping cough.

Two weeks ended April 21, 1900. Total number of deaths, 211, including diphtheria, 1; enteric fever, 5; scarlet fever, 1; measles 7, and 1 from whooping cough.

London.—One thousand eight hundred and forty-four deaths were registered during the week, including measles, 59; scarlet fever, 8; diphtheria, 19; whooping cough, 51; enteric fever, 12; and diarrhea and dysentery, 8. The deaths from all causes correspond to an annual rate of 21.0 a thousand. In Greater London 2,415 deaths were registered, corresponding to an annual rate of 18.9 a thousand of the population. In the "outer ring" the deaths included 10 from diphtheria, 14 from measles, 3 from scarlet fever, and 20 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended April 14, 1900, in the 22 principal town districts of Ireland was 25.6 a thousand of the population, which is estimated at 1,062,188. The lowest rate was recorded in Lurgan, viz, 0.0, and the highest in Newtownards, viz, 34.0 a thousand. In Dublin and suburbs 230 deaths were registered, including diphtheria, 2; enteric fever, 2; measles, 2, and 1 from whooping cough.

Scotland.—The deaths registered in 8 principal towns during the week ended April 14, 1900, correspond to an annual rate of 21.3 a thousand of the population, which is estimated at 1,606,935. The lowest mortality was recorded in Leith, viz, 16.6, and the highest in Perth, viz, 40.5 a thousand. The aggregate number of deaths registered from all causes was 659, including diphtheria, 3; measles, 19; scarlet fever, 4, and 17 from whooping cough.

JAMAICA—Port Antonio.—Two weeks ended April 14, 1900. Estimated population not reported. Number of deaths not reported. No contagious diseases.

JAPAN—Fornosa—Tamsui.—Month of February, 1900. Estimated population, 2,797,543. Number of deaths not reported. Three deaths from typhus and 38 from plague reported.

Kobe.—Two weeks ended April 5, 1900. Estimated population, 8,554. Total number of deaths not reported. Three deaths from diphtheria, and 2 from enteric fever reported.

Nagasaki.—Ten days ended March 31, 1900. Estimated population, 131,000. Number of deaths not reported. One death from diphtheria reported.

JAVA—Batavia.—Two weeks ended March 24, 1900. Estimated population, 150,000. Number of deaths not reported. No contagious diseases reported.

MALTA.—Six weeks ended March 31, 1900. Estimated population, 181,698. Total number of deaths, 765, including diphtheria, 3; enteric fever, 4; measles, 1, and 10 from whooping cough.

SWITZERLAND—Berne.—Reports for the two weeks ended March 31, 1900, from 15 cities and towns having an aggregate estimated population of 691,000, show a total of 589 deaths, including diphtheria, 15; measles, 10; scarlet fever, 1; whooping cough, 4, and 99 from phthisis pulmonalis.

[Reports received from United States consuls through the Department of State and from other sources.]

Cholera, yellow fever, plague, and smallpox as reported to the Surgeon-General United States Marine-Hospital Service, December 29, 1899, to May 11, 1900.

[For reports received from June 30 to December 29, 1899, see PUBLIC HEALTH REPORTS for December 29.]

CHOLERA.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|---------------|-------------------|--------|---------|----------|
| India: | | | | |
| Bombay..... | Nov. 22-Apr. 3... | 3 | 83 | |
| Calcutta..... | Nov. 5-Mar. 10... | | 654 | |

YELLOW FEVER.

| | | | | |
|---------------------|--------------------|-----|-----|------------------------------------------------|
| Argentina: | | | | |
| Buenos Ayres..... | Nov. 1-Nov. 30... | | 1 | |
| Brazil: | | | | |
| Bahia..... | Feb. 4-Mar. 3... | 5 | 2 | |
| Rio de Janeiro..... | Nov. 4-Mar. 23... | | 215 | |
| Santos..... | Jan. 16-Apr. 8... | | 160 | |
| Sorocaba..... | Jan. 1-Jan. 31... | | 200 | |
| Colombia: | | | | |
| Barranquilla..... | Dec. 24-Mar. 31... | | 4 | |
| Panama..... | Dec. 20-Dec. 26... | | 1 | |
| | Mar. 1-Apr. 24... | 21 | 3 | |
| Costa Rica: | | | | |
| Port Limon..... | Apr. 20..... | 1 | | |
| Cuba: | | | | |
| Cienfuegos..... | Feb. 10..... | 7 | | On training ship Lancaster in quarantine. |
| Havana..... | Dec. 1-Dec. 31... | 70 | 22 | No report received for week ended February 24. |
| | Jan. 1-Mar. 31... | 41 | 17 | |
| | Apr. 1-Apr. 21... | 7 | | |
| | Dec. 29..... | | 1 | |
| | Feb. 11-Feb. 17... | 1 | 1 | |
| | Apr. 16..... | 1 | | |
| | Dec. 10-Dec. 30... | | 3 | |
| Mexico: | | | | |
| Cordoba..... | May-Dec., 1899... | 730 | 353 | Several cases. |
| Laguna..... | Mar. 4..... | | 1 | |
| Vera Cruz..... | Dec. 22-Apr. 28... | | 14 | |
| Salvador: | | | | |
| San Salvador..... | Apr. 8..... | | | Yellow fever epidemic. |
| West Indies: | | | | |
| | Feb. 11-Mar. 3... | | 5 | |
| | Feb. 4-Feb. 10... | 1 | | |

PLAGUE.

| | | | | |
|----------------------------|--------------------|-----|-----|---------------------------|
| Arabia: | | | | |
| Aden..... | Feb. 21-Apr. 7... | 94 | 81 | |
| Beni-Shekir, Yemen..... | Dec. 7..... | | 15 | |
| Argentina: | | | | |
| Buenos Ayres..... | Jan. 13-Mar. 12... | 46 | 16 | Plague reported epidemic. |
| Rosario..... | Jan. 25..... | | | |
| Australia: | | | | |
| Adelaide..... | Jan. 16..... | 2 | | Plague reported. |
| Sydney..... | Jan. 20-Mar. 24... | 32 | 11 | |
| Brazil: | | | | |
| Conceicao dos Guarulhos... | Dec. 31..... | 3 | | |
| Rio de Janeiro..... | Jan. 6-Jan. 12... | 2 | 1 | |
| | Apr. 20..... | | 6 | |
| Santos..... | Oct. 13-Jan. 13... | 39 | 15 | |
| Sao Paulo..... | Dec. 15-Dec. 31... | 4 | 3 | |
| China: | | | | |
| Hongkong..... | Nov. 12-Dec. 30... | 11 | 10 | |
| | Mar. 25-Mar. 31... | 4 | 4 | |
| Egypt: | | | | |
| Port Said..... | May 2..... | | | Do. |
| Formosa: | | | | |
| Tamsui..... | Oct. 1-Dec. 12... | 46 | 25 | |
| | Jan. 1-Apr. 12... | 239 | 176 | |
| Hawaiian Islands: | | | | |
| Hilo..... | Feb. 13..... | 1 | | |
| Kahului..... | Jan. 30-Feb. 25... | 8 | 1 | |
| Honolulu..... | Dec. 11-Mar. 31... | 71 | 61 | |

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|--------------------------------------------|----------------------|--------|---------|----------|
| India: | | | | |
| Bombay Presidency and Sind: | | | | |
| Ahmedabad District..... | Nov. 19-Mar. 24..... | ..... | 17 | |
| Ahmednagar District..... | do..... | ..... | 171 | |
| Akalkot State..... | do..... | ..... | 10 | |
| Aundh State..... | do..... | ..... | 45 | |
| Baroda State..... | do..... | ..... | 9 | |
| Belgaum District..... | do..... | ..... | 1,134 | |
| Bhor State..... | do..... | ..... | 122 | |
| Bijapur District..... | do..... | ..... | 539 | |
| Bombay City..... | do..... | ..... | 6,580 | |
| Broach District..... | do..... | ..... | 0 | |
| Cutch State..... | do..... | ..... | 644 | |
| Dharwar District..... | do..... | ..... | 1,774 | |
| Hyderabad (Sind) District..... | do..... | ..... | 102 | |
| Janjira State..... | do..... | ..... | 22 | |
| Kaira District..... | do..... | ..... | 1 | |
| Kanara District..... | do..... | ..... | 18 | |
| Kurrachee City..... | do..... | ..... | 331 | |
| Kurrachee District..... | do..... | ..... | 292 | |
| Kathiawar State..... | do..... | ..... | 80 | |
| Khandesh District..... | do..... | ..... | 1 | |
| Kolaba District..... | do..... | ..... | 107 | |
| Kolhapur State..... | do..... | ..... | 1,780 | |
| Mahi Kantha State..... | do..... | ..... | 0 | |
| Nasik District..... | do..... | ..... | 144 | |
| Palanpur State..... | do..... | ..... | 0 | |
| Panch Mahals District..... | do..... | ..... | 0 | |
| Poona City..... | do..... | ..... | 20 | |
| Poona District..... | do..... | ..... | 497 | |
| Ratnagiri District..... | do..... | ..... | 249 | |
| Rewakantha State..... | do..... | ..... | 0 | |
| Sachin State..... | Dec. 3-Mar. 24..... | ..... | 26 | |
| Satara District..... | Nov. 19-Mar. 24..... | ..... | 676 | |
| Savantvadi State..... | do..... | ..... | 1 | |
| Savanur State..... | do..... | ..... | 33 | |
| Shikarpur District..... | do..... | ..... | 0 | |
| Sholapur District..... | do..... | ..... | 1,660 | |
| Surat District..... | do..... | ..... | 168 | |
| Thana District..... | do..... | ..... | 499 | |
| Upper Sind Frontier..... | do..... | ..... | 0 | |
| Outside Bombay Presidency and Sind: | | | | |
| Madras Presidency— | | | | |
| Anantapur District..... | do..... | ..... | 49 | |
| Bellary District..... | do..... | ..... | 2 | |
| Chingleput District..... | do..... | ..... | ..... |  |
| Kurnool District..... | do..... | ..... | ..... |  |
| Madras City District..... | do..... | ..... | ..... |  |
| North Arcot District..... | do..... | ..... | 6 | |
| Salem District..... | do..... | ..... | 400 | |
| South Canara District..... | Feb. 25-Mar. 24..... | ..... | 1 | |
| Nellore District..... | Nov. 19-Mar. 24..... | ..... | ..... |  |
| Trichinopoly District..... | do..... | ..... | 24 | |
| Coimbatore District..... | do..... | ..... | 1 | |
| Vizagapatam..... | Jan. 28-Mar. 24..... | ..... | ..... |  |
| Mysore State— | | | | |
| Bangalore City..... | Jan. 6-Mar. 24..... | ..... | 246 | |
| Bangalore Civil and Military Station..... | do..... | ..... | 168 | |
| Bangalore District..... | do..... | ..... | 551 | |
| Kolar District..... | do..... | ..... | 13 | |
| Kolar Gold Fields..... | do..... | ..... | 85 | |
| Mysore City..... | do..... | ..... | 133 | |
| Mysore District..... | do..... | ..... | 177 | |
| Tumkur District..... | do..... | ..... | 131 | |
| Chitaldrug District..... | do..... | ..... | 81 | |
| Hyderabad State— | | | | |
| Gulburga District..... | Dec. 31-Mar. 24..... | ..... | 106 | |
| Lingsugur District..... | do..... | ..... | 580 | |
| Naldurg District..... | do..... | ..... | 272 | |
| Bidar District..... | do..... | ..... | 3 | |
| Arangabad District..... | do..... | ..... | ..... |  |
| Central Provinces— | | | | |
| Wardha District..... | Nov. 19-Mar. 24..... | ..... | 10 | |
| Nagpur City..... | do..... | ..... | 411 | |
| Nagpur District..... | do..... | ..... | 86 | |
| Nimar District..... | do..... | ..... | 1 | |

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

PLAGUE—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|----------------------------------------------------|-----------------------|--------|---------|------------------------------|
| India—Continued. | | | | |
| Outside Bombay Presidency and Sind— <i>Cont'd.</i> | | | | |
| Punjab— | | | | |
| Jullundur District | Nov. 19-Mar. 24..... | | 201 | |
| Hoshiarpur District..... | do | | | |
| Patiala State..... | Mar. 18-Mar. 24..... | | 9 | |
| Rawal Pindi District..... | do | | | |
| Bengal— | | | | |
| Calcutta | Nov. 19-Mar. 24..... | | 3,223 | |
| Berhampore District..... | Mar. 18-Mar. 24..... | | 1 | |
| Burdwan District..... | Feb. 11-Mar. 24..... | | 1 | |
| Howrah District | Nov. 19-Mar. 24..... | | 39 | |
| Hooghly District..... | do | | 30 | |
| 24 Parganas District | do | | 12 | |
| Nadia District..... | do | | 2 | |
| Khulana District..... | do | | 1 | |
| Dacca District..... | do | | | |
| Darbhanga District..... | do | | 21 | |
| Midnapore District..... | Jan. 28-Mar. 24..... | | 7 | |
| Monghyr District..... | Feb. 11-Mar. 24..... | | 334 | |
| Mozufferpore..... | Feb. 18-Mar. 24..... | | 5 | |
| Rangoon District..... | Nov. 19-Mar. 24..... | | 1 | Imported. |
| Patna | do | | 8,442 | |
| Saran District..... | do | | 531 | |
| Shahabad District..... | do | | 1 | |
| Tipperah District..... | do | | | |
| Singbhoom District..... | do | | | |
| Balasure District..... | do | | 1 | Imported and suspected |
| Rajputana..... | do | | 6 | Do. |
| N. W. Provinces— | | | | |
| Allahabad District..... | Jan. 1-Mar. 24..... | | 69 | |
| Burma | Mar. 18-Mar. 24..... | | 1 | |
| Japan: | | | | |
| Osaka and Hiogo..... | Nov. 5-Jan. 26..... | | 52 | |
| Hiroshima | Nov. 5-Dec. 4..... | 10 | 8 | |
| Nagasaki..... | Dec. 9..... | 1 | 1 | |
| Kobe | Nov. 11-Jan. 26..... | 20 | 19 | |
| Fukuoka Ken..... | Nov. 5-Dec. 21..... | | 1 | |
| Shidzuoka Ken..... | do | | 1 | |
| Wakayama Ken..... | do | | 1 | |
| Madagascar: | | | | |
| Tamatave | Sept. 10-Dec. 16..... | 51 | 42 | |
| Mauritius | Jan. 25-Dec. 23..... | 3,000 | 2,500 | Estimated. Year 1899. |
| New Caledonia: | | | | |
| Noumea..... | Dec. 1-Jan. 21..... | 59 | 35 | |
| | August-Nov. 24..... | 100 | 46 | |
| Paraguay: | | | | |
| Asuncion | Nov. 1-Jan. 15..... | | 14 | |
| | Jan. 22-Feb. 16..... | | 6 | |
| Persia: | | | | |
| Djivanro | Mar. 29..... | | | Plague reported. |
| Philippine Islands: | | | | |
| Manila | Jan. 20-Mar. 24..... | 143 | 124 | |
| Portugal: | | | | |
| Lisbon..... | Jan. 16..... | 1 | | |
| Masan..... | Dec. 25..... | 9 | 7 | |
| Oporto..... | Aug. 16-Jan. 6..... | 287 | 108 | |
| Villa Nova de Gaya..... | Nov. 15..... | 1 | | |
| South Africa: | | | | |
| Cape Town..... | Mar. 6..... | 4 | | On ss. Kilburn from Rosario. |
| Spain: | | | | |
| Tuy | Feb. 12..... | 1 | | |

SMALLPOX.

| | | | | |
|---------------------|----------------------|-----|-----|--|
| Argentina: | | | | |
| Buenos Ayres..... | Oct. 1-Feb. 28..... | | 10 | |
| Austria: | | | | |
| Prague..... | Dec. 30-Apr. 14..... | 115 | 1 | |
| Belgium: | | | | |
| Antwerp | Dec. 3-Mar. 31..... | 79 | 30 | |
| Ghent..... | Jan. 14-Apr. 21..... | | 15 | |
| Brazil: | | | | |
| Pernambuco..... | Dec. 1-Dec. 15..... | | 5 | |
| Rio de Janeiro..... | Nov. 4-Mar. 23..... | | 553 | |

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|----------------------------|----------------------|--------|---------|---------------------|
| British Columbia: | | | | |
| Grand Forks..... | Mar. 7-Apr. 10... | 3 | 0 | |
| Nakusp..... | Feb. 28-Apr. 10... | 1 | 0 | |
| Nelson City..... | Feb. 16-Apr. 10... | 2 | 0 | |
| Nelson District..... | Feb. 8-Apr. 10... | 1 | 0 | |
| Rossland..... | Feb. 9-Apr. 10... | 5 | 0 | |
| China: | | | | |
| Hongkong..... | Dec. 17-Dec. 23... | 1 | 1 | |
| | Mar. 4-Mar. 31... | 10 | 5 | |
| Colombia: | | | | |
| Barranquilla..... | Jan. 21-Mar. 31..... | | 6 | |
| Cuba: | | | | |
| Castida..... | Jan. 2-Jan. 22... | 34 | 0 | |
| Havana..... | Jan. 15..... | 2 | | On ss. Santanderino |
| Egypt: | | | | |
| Cairo..... | Nov. 19-Apr. 1..... | | 77 | |
| England: | | | | |
| Birmingham..... | Mar. 4-Mar. 10... | 2 | | |
| Leeds..... | Jan. 29-Feb. 3..... | 1 | | |
| Liverpool..... | Jan. 7-Apr. 21... | 82 | 8 | |
| London..... | Dec. 10-Apr. 21... | 177 | 3 | |
| Southampton..... | Jan. 1-Apr. 21... | 34 | | |
| Formosa: | | | | |
| Tamsui..... | Oct. 1-Dec. 31... | 23 | | |
| | Jan. 1-Jan. 31... | 31 | | |
| France: | | | | |
| Lyons..... | Dec. 17-Apr. 14..... | | 17 | |
| Marseilles..... | Nov. 1-Jan. 27... | 200 | 17 | |
| Nice..... | Dec. 19-Apr. 10... | 39 | 14 | |
| Paris..... | Jan. 14-Apr. 7..... | | 12 | |
| Rheims..... | Mar. 4-Mar. 10... | | 4 | |
| St. Nazaire..... | Mar. 8..... | 32 | 4 | |
| Germany: | | | | |
| Hamburg..... | Jan. 1-Jan. 13... | 4 | 1 | |
| Königsberg..... | Dec. 17-Feb. 3..... | 9 | 3 | |
| Gibraltar..... | Dec. 4-Apr. 26... | 63 | 6 | |
| Greece: | | | | |
| Athens..... | Dec. 3-Apr. 14... | 88 | 33 | |
| Hungary: | | | | |
| Budapesth..... | Dec. 18-Dec. 24... | 1 | | |
| India: | | | | |
| Bombay..... | Nov. 15-Apr. 3..... | | 2,740 | |
| Calcutta..... | Nov. 26-Mar. 10... | | 143 | |
| Ceylon..... | Dec. 10-Jan. 27... | | 5 | |
| Madras..... | Jan. 13-Mar. 9..... | | 7 | |
| Kurrachee..... | Jan. 15-Apr. 1..... | 168 | 60 | |
| Italy: | | | | |
| Milan..... | Dec. 17-Apr. 7..... | 4 | | |
| Palermo..... | Mar. 18-Mar. 24... | | 1 | |
| Japan: | | | | |
| Nagasaki..... | Jan. 1-Mar. 31... | 3 | | |
| Yokohama..... | Nov. 19-Mar. 3... | 2 | | |
| Korea: | | | | |
| Seoul..... | Jan. 21-Feb. 17... | 2 | 1 | |
| Mexico: | | | | |
| Chihuahua..... | Dec. 24-Apr. 21... | | 67 | |
| City of Mexico..... | Dec. 18-Apr. 1..... | 241 | 124 | |
| C. Porfirio Diaz..... | Feb. 11-Mar. 7... | 7 | 2 | |
| Guadaluajara..... | Apr. 21..... | 150 | | |
| Monclova..... | Mar. 17..... | 150 | | |
| Nuevo Laredo..... | Jan. 1-Dec. 31... | | 16 | |
| Vera Cruz..... | Dec. 22-Apr. 28... | | 52 | |
| New Brunswick: | | | | |
| Campbellton..... | Jan. 22-Feb. 3... | 45 | 0 | |
| Gloucester County..... | Jan. 25-Feb. 15... | 39 | 0 | |
| Moncton..... | Jan. 19..... | | | Cases reported. |
| Northumberland County..... | Feb. 1-Feb. 15... | 1 | 0 | |
| Restigouche County..... | Jan. 16-Feb. 15... | 73 | 0 | |
| Westmoreland County..... | Jan. 18-Feb. 15... | 3 | 0 | |
| Woodstock..... | Apr. 28..... | | | Smallpox reported. |
| Ontario: | | | | |
| Amherstberg..... | Feb. 11-Mar. 3... | 4 | | |
| Brant County..... | Jan. 27-Feb. 24... | 1 | 0 | |
| Essex County..... | Oct. 30-Apr. 18... | 240 | 0 | |
| Frontenac County..... | Jan. 14-Feb. 24... | 1 | 0 | |
| Kent County..... | Nov. 28-Jan. 14... | 2 | 0 | |
| Lambton County..... | Dec. 30-Feb. 24... | 4 | 0 | |
| Middlesex County..... | Dec. 6-Feb. 24... | 4 | 0 | |

Cholera, yellow fever, plague, and smallpox, etc.—Continued.

SMALLPOX—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|-----------------------------|----------------------|--------|---------|----------|
| <i>Ontario—Continued.</i> | | | | |
| Thunder Bay County..... | May 1..... | 1 | 0 | |
| Renfrew County..... | Apr. 23..... | 1 | 0 | |
| York County..... | Feb. 13-Feb. 24... | 17 | 0 | |
| <i>Philippine Islands:</i> | | | | |
| Manila..... | Feb. 4-Mar. 17... | 24 | 1 | |
| <i>Porto Rico:</i> | | | | |
| Ponce..... | Mar. 11-Mar. 17... | 2 | ..... |  |
| <i>Quebec:</i> | | | | |
| Bonaventure County..... | Oct. 16-Apr. 17... | 273 | 1 | |
| Kamouraska County..... | Aug. 18-Apr. 17... | 288 | 1 | |
| Matane County..... | Dec. 16-Apr. 17... | 5 | 1 | |
| Montreal..... | Jan. 16-Apr. 17... | 1 | ..... |  |
| Rimouski County..... |do..... | 58 | ..... |  |
| <i>Russia:</i> | | | | |
| Moscow..... | Nov. 26-Apr. 7... | 58 | 13 | |
| Odessa..... | Dec. 3-Apr. 14... | 154 | 33 | |
| Riga..... | Nov. 1-Nov. 30..... | ..... | 15 | |
| St. Petersburg..... | Jan. 1-Jan. 31..... | ..... | 38 | |
| Vladivostock..... | Dec. 3-Apr. 17... | 381 | 100 | |
| Warsaw..... | Nov. 1-Nov. 30... | 3 | ..... |  |
| ..... | Nov. 26-Apr. 7... | ..... | 64 | |
| <i>Scotland:</i> | | | | |
| Edinburgh..... | Jan. 14-Jan. 20... | 1 | ..... |  |
| Glasgow..... | Apr. 8-Apr. 21... | 7 | 1 | |
| Leith..... | Jan. 1-Jan. 6... | 1 | ..... |  |
| <i>Spain:</i> | | | | |
| Cadiz..... | Oct. 1-Oct. 31..... | ..... | 5 | |
| Corunna..... | Dec. 3-Apr. 21..... | ..... | 20 | |
| Madrid..... | Dec. 3-Apr. 7..... | ..... | 170 | |
| Valencia..... | Mar. 18-Apr. 14..... | ..... | 5 | |
| <i>Straits Settlements:</i> | | | | |
| Singapore..... | Nov. 5-Mar. 24..... | ..... | 44 | |
| <i>Switzerland:</i> | | | | |
| Geneva..... | Jan. 7-Feb. 24... | 8 | ..... |  |
| Zurich..... | Jan. 7-Jan. 27... | 2 | 1 | |
| <i>Turkey:</i> | | | | |
| Constantinople..... | Dec. 19-Mar. 26..... | ..... | 3 | |
| Smyrna..... | Dec. 4-Feb. 4..... | ..... | 11 | |
| <i>Uruguay:</i> | | | | |
| Montevideo..... | Nov. 26-Dec. 2... | 1 | ..... |  |
| <i>Venezuela:</i> | | | | |
| Maracaibo..... | Apr. 8-Apr. 14..... | ..... | 1 | |

MORTALITY TABLE, FOREIGN CITIES.

| 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. | | |
| Acapulco..... | Apr. 14 | 6,000 | 4 | | | | | | | | | | | | | |
| Do..... | Apr. 22 | 6,000 | 3 | | | | | | | | | | | | | |
| Aix la Chapelle..... | Apr. 21 | 134,196 | 56 | | | | | | | | | 3 | | | | |
| Amherstburg..... | Apr. 23 | 2,300 | 0 | | | | | | | | | | | | | |
| Do..... | May 5 | 2,300 | 0 | | | | | | | | | | | | | |
| Amsterdam..... | Apr. 21 | 524,209 | 152 | | | | | | | | | 1 | | | | 3 |
| Antofogasta..... | Mar. 31 | 16,000 | 14 | | | | | | | | | | | 2 | | |
| Athens..... | Apr. 14 | 200,000 | | | | | | 1 | | | | | | | | |
| Barmen..... | do..... | 141,000 | 46 | | | | | | 3 | | | 1 | | 2 | | 3 |
| Barranquilla..... | do..... | 40,000 | 18 | | | | | | | | | | | | | |
| Belize..... | Apr. 26 | 13,000 | 4 | | | | | | | | | | | | | |
| Bergen..... | Apr. 17 | 68,000 | 22 | | | | | | | | | | | | | |
| Berlin..... | Apr. 7 | 1,844,554 | 649 | | | | | | | 1 | | 12 | 15 | 13 | | |
| Birmingham..... | Apr. 21 | 519,610 | 222 | | | | | | | | 1 | 1 | 2 | 2 | 12 | |
| Bluefields..... | do..... | 3,018 | 3 | | | | | | | | | | | | | |
| Bremen..... | Apr. 14 | 145,000 | 49 | | | | | | | | | 1 | | 1 | | |
| Breslau..... | do..... | 300,000 | 219 | 45 | | | | | | | 1 | 1 | | | | |
| Brussels..... | do..... | 351,611 | 189 | | | | | | | 2 | | 1 | 2 | 1 | | |
| Budapest..... | Apr. 9 | 640,000 | | | | | | | | 1 | 10 | 2 | 2 | 1 | | |
| Do..... | Apr. 16 | 640,000 | | | | | | | | 1 | | 1 | 2 | 2 | | |
| Callao..... | Apr. 1 | 25,000 | 21 | 6 | | | | | | | | | | | | |
| Do..... | Apr. 8 | 25,000 | 15 | 3 | | | | | | | | | | | | |
| Catania..... | Apr. 19 | 124,000 | 73 | | | | | | | | | | | | | |
| Chihuahua..... | Apr. 28 | 24,000 | 16 | | | | | | | | | 1 | | | | |
| Christiania..... | Apr. 21 | 233,000 | 105 | | | | | | | | | 1 | | | | 1 |
| Coburg..... | Apr. 14 | 20,299 | 9 | | | | | | | | | | | | | |
| Cognac..... | Apr. 11 | 20,400 | 11 | | | | | | | | | | | | | |
| Do..... | Apr. 14 | 20,400 | 8 | | | | | | | | | | | | | |
| Cologne..... | do..... | 364,540 | 365 | | | | | | | | | 1 | | 1 | | 3 |
| Colon..... | Apr. 25 | 8,000 | 9 | | | | | | | | | | | | | |
| Colombo..... | Mar. 17 | 130,000 | 85 | | | | | | | | 1 | | | | | |
| Do..... | Mar. 25 | 130,000 | 85 | | | | | | | | 4 | | | | | |
| Corunna..... | Apr. 21 | 40,500 | 26 | | | | | 1 | | | | | | | | |
| Crefeld..... | do..... | 108,128 | 46 | | | | | | | | | | | | | |
| Curacao..... | Apr. 14 | 29,718 | 13 | | | | | | | | | | | | | |
| Do..... | Apr. 21 | 29,718 | 12 | | | | | | | | | | | | | |
| Dresden..... | Mar. 31 | 404,500 | 163 | | | | | | | | 1 | 1 | | 2 | | 2 |
| Do..... | Apr. 7 | 404,500 | 154 | | | | | | | 1 | 1 | 1 | 1 | 1 | | 1 |
| Do..... | Apr. 14 | 404,500 | 163 | | | | | | | | | 1 | 1 | 1 | | 1 |
| Dusseldorf..... | do..... | 205,056 | 56 | | | | | | | | | 1 | | | | |
| Flushing..... | Apr. 21 | 19,034 | 13 | | | | | | | | | | | | | |
| Frankfort-on-the-Main.. | Apr. 14 | 258,000 | 100 | | | | | | | | | | | | | 1 |
| Funchal..... | Apr. 8 | 36,982 | 19 | | | | | | | | | | 2 | | | |
| Do..... | Apr. 15 | 36,982 | 15 | | | | | | | | | | | | | |
| Geneva..... | Apr. 7 | 95,348 | 39 | | | | | | | | | | | | | |
| Ghent..... | Apr. 14 | 163,030 | 86 | | | | | | 2 | | | | | | | |
| Gibraltar..... | Apr. 15 | 25,900 | 10 | | | | | | | | | | | | | |
| Girgenti..... | Apr. 14 | 24,428 | 13 | | | | | | | | | | | | | |
| Gothenburg..... | do..... | 125,800 | 36 | | | | | | | | | 1 | | | | 3 |
| Guayaquil..... | Apr. 7 | 55,000 | 72 | | | | | | | | | | | | | |
| Halifax..... | Apr. 28 | 48,000 | 15 | | | | | | | | | 2 | | | | |
| Hamburg..... | Apr. 21 | 691,349 | 237 | | | | | | | | | 1 | 2 | 2 | | 1 |
| Hamilton, Bermuda..... | Apr. 24 | 16,000 | 3 | | | | | | | | | | | | | |
| Havre..... | Apr. 7 | 119,470 | 78 | 17 | | | | | | | 1 | | | | | |
| Hongkong..... | Mar. 3 | 243,710 | | | 1 | | | | | | | | | | | |
| Kingston, Canada..... | May 4 | 18,300 | 11 | | | | | | | | | | | | | |
| Königsberg..... | Apr. 14 | 183,273 | | | | | | | | | | 6 | 1 | | | |
| Lausanne..... | Apr. 7 | 45,722 | 16 | | | | | | | | | | | | | |
| Leeds..... | Apr. 21 | 423,889 | 162 | | | | | | | | | 1 | 4 | 4 | | 5 |
| Leghorn..... | Apr. 14 | 104,948 | 39 | 2 | | | | | | | | | | 2 | | |
| Do..... | Apr. 21 | 104,948 | 40 | 4 | | | | | | | | | | | | |
| Leipzig..... | Apr. 14 | 439,200 | 204 | | | | | | | 1 | | | 3 | 1 | | |
| Liege..... | do..... | 171,589 | 63 | | | | | | | | | | | 2 | | |
| Livingston, Guatemala..... | Apr. 24 | 1,500 | 1 | | | | | | | | | | | | | |
| London..... | Apr. 21 | 6,652,145 | 2,432 | | | | | | | | 13 | 9 | 21 | 67 | | 65 |
| Lyons..... | Apr. 7 | 466,028 | 203 | | | | | 2 | | | 2 | 2 | | | | 1 |
| Do..... | Apr. 14 | 466,028 | 232 | | | | | 1 | | | 1 | 2 | 1 | 3 | | 1 |
| Madras..... | Mar. 30 | 452,518 | 319 | | | | | | | | | | | | 18 | |
| Madrid..... | Apr. 7 | 512,596 | 337 | | | | | 10 | | | 6 | 2 | 3 | 12 | | |
| Mainz..... | Apr. 21 | 84,000 | 33 | 11 | | | | | | | | | | | | |
| Manchester..... | do..... | 560,864 | 272 | | | | | | | | 3 | 2 | 2 | 4 | | 15 |
| Mannheim..... | Apr. 14 | 132,467 | 39 | | | | | | | | | | 2 | | | |
| Maracaibo..... | do..... | 50,000 | 26 | | | | | | | | | | | | | |
| Matamoras..... | Apr. 21 | 16,604 | 2 | | | | | | | | | | | | | |
| Massina..... | Apr. 22 | 107,000 | 30 | 2 | | | | | | | | | | | | |

MORTALITY TABLE, FOREIGN 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. | | | |
| Monte Cristi..... | Apr. 21 | 3,000 | 0 | | | | | | | | | | | | | | |
| Monterey..... | Apr. 27 | 25,000 | 55 | | | | | | | | | | | | | | |
| Moscow..... | Apr. 7 | 1,000,000 | 567 | | | | | | | 1 | 7 | 18 | | | 8 | | 3 |
| Munich..... | do..... | 463,000 | 223 | | | | | | | | | | | | 11 | | 2 |
| Do..... | Apr. 14 | 463,000 | 212 | | | | | | | 1 | | | | 1 | 10 | | |
| Newcastle-on-Tyne..... | Apr. 21 | 234,369 | 84 | | | | | | | | | | | | 3 | | |
| Nottingham..... | Apr. 14 | 250,000 | 93 | | | | | | | | | 3 | | | 4 | | |
| Nuremberg..... | Apr. 7 | 240,673 | 111 | | | | | | | | | | | | 1 | | |
| Odessa..... | Apr. 14 | 434,600 | 186 | | | | | 2 | | 3 | | 1 | 4 | 2 | 1 | | |
| Osaka and Hiogo..... | Mar. 31 | 214,119 | 123 | | | | | | | | | | 1 | | | | |
| Do..... | Apr. 7 | 214,119 | 121 | | | | | | | | | | 2 | | | | |
| Palermo..... | Apr. 14 | 300,000 | 144 | | | | | | | | | | 1 | | | | |
| Panama..... | Apr. 24 | 16,000 | | | | | | | | | | | | | | | |
| Paris..... | Apr. 21 | 2,511,629 | 1,015 | | | | | | | 9 | | 1 | 7 | 24 | | | 4 |
| Plymouth..... | do..... | 100,000 | 37 | | | | | | | | | | | | 9 | | 1 |
| Prague..... | Apr. 14 | 198,468 | 156 | | | | | | | 1 | | | 1 | | | | 1 |
| Puerto Cabello..... | Mar. 25 | 17,000 | 15 | | | | | | | | | | | | | | |
| Do..... | Mar. 31 | 17,000 | 9 | | | | | | | | | | | | | | |
| Quebec..... | Apr. 28 | 73,000 | | | | | | | | | | | | 1 | | | |
| Rheims..... | Apr. 14 | 107,709 | 46 | | | | | | | | | | | | | | |
| Rio de Janeiro..... | Mar. 9 | 779,000 | 279 | 53 | | | 18 | 18 | | 3 | | | | | 1 | | |
| Do..... | Mar. 16 | 779,000 | 249 | 40 | | | 22 | 10 | | 1 | | | | | | | |
| Do..... | Mar. 23 | 779,000 | 275 | 64 | | | 10 | 14 | | 3 | | | | | | | |
| Rotterdam..... | Apr. 21 | 320,991 | 116 | | | | | | | | | | | 2 | | | |
| St. Etienne..... | Mar. 31 | 145,000 | 163 | | | | | | | | | | | 1 | 1 | | |
| St. Georges, Bermuda..... | Apr. 28 | 2,150 | 1 | | | | | | | | | | | | | | |
| St. Johns, New Brunswick..... | do..... | 45,000 | 14 | | | | | | | | | | | 1 | | | |
| St. John, West Indies..... | Apr. 14 | 15,000 | 11 | | | | | | | | | | | | | | |
| St. Petersburg..... | do..... | 1,267,023 | 737 | | | | | | 8 | 1 | 7 | 9 | 17 | 10 | | | 6 |
| St. Stephen, New Brunswick..... | Apr. 28 | 3,000 | | | | | | | | | | | | | | | |
| St. Thomas, West Indies..... | Apr. 13 | 12,019 | 8 | | | | | | | | | | | | | | |
| Sheffield..... | Apr. 14 | 364,584 | 191 | | | | | | | | | | | 7 | 7 | | 5 |
| Do..... | Apr. 21 | 364,584 | 160 | | | | | | | | 1 | 2 | 9 | 7 | | | 2 |
| Singapore..... | Mar. 24 | 97,111 | 174 | 27 | | | | 7 | | | | | | | | | |
| Smyrna..... | Apr. 1 | 300,000 | 65 | 15 | | | | | | | | | | | 1 | | |
| Do..... | Apr. 8 | 300,000 | 63 | 15 | | | | | | | 1 | | | | | | |
| Southampton..... | Apr. 14 | 105,831 | 39 | | | | | | | | | | | 1 | 2 | | |
| Do..... | Apr. 21 | 105,831 | 60 | | | | | | | | | | | | 4 | | |
| South Shields..... | do..... | 105,677 | 34 | | | | | | | | | | | | | | 1 |
| Stettin..... | Apr. 14 | 153,000 | 62 | | | | | | | | | | 2 | | | | |
| Stuttgart..... | Apr. 19 | 162,934 | 63 | | | | | | | | | | | | | | |
| Sunderland..... | Apr. 21 | 147,398 | 60 | | | | | | | | | 2 | 1 | | | | |
| Teneriffe..... | Apr. 14 | 33,500 | 16 | 1 | | | | | | | 2 | | | | | | |
| Trapani..... | do..... | 48,743 | 18 | | | | | | | | | | | | | | |
| Trieste..... | do..... | 166,499 | 99 | | | | | | | | | 2 | 1 | | | | |
| Tuxpam..... | Apr. 23 | 10,000 | 7 | | | | | | | | | | | | | | |
| Utiilla..... | Apr. 21 | 800 | 0 | | | | | | | | | | | | | | |
| Valencia..... | do..... | 203,958 | 104 | | | | | | | 2 | | | | | | | |
| Venice..... | Apr. 14 | 172,491 | 78 | | | | | | | 2 | | | | | | | |
| Vera Cruz..... | Apr. 28 | 25,000 | 41 | 2 | | | 1 | 4 | | | | | | | | | |
| Vienna..... | Apr. 14 | 1,656,662 | 851 | | | | | | | | 4 | 3 | 7 | 16 | | | 5 |
| Warsaw..... | Apr. 7 | 645,848 | 274 | | | | | | 3 | 3 | | | | | 2 | | |
| Windsor, Nova Scotia..... | Apr. 28 | 3,000 | 1 | | | | | | | | | | | | | | |
| Yokohama..... | Mar. 31 | 189,455 | | | | | | | | | | | | 4 | | | |
| Do..... | Apr. 7 | 189,455 | | | | | | | | | 2 | | | 4 | | | |
| Zurich..... | Apr. 14 | 164,149 | 71 | | | | | | | | | | | 1 | 3 | | 1 |

By authority of the Secretary of the Treasury :

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