

ABSTRACT OF SANITARY REPORTS.

VOL. IX.

WASHINGTON, D. C., MARCH 30, 1894.

No. 13.

TREASURY DEPARTMENT, *U. S. Marine-Hospital Service.*—Published in accordance with act of Congress approved February 15, 1893.

UNITED STATES.

[Reports to the Supervising Surgeon-General M. H. S.]

Smallpox in Wisconsin.

APPLETON, March 23, 1894.—You are hereby informed that 2 cases of smallpox have been reported to this office since last report to you—one in West Superior, Douglas County in this State, and 1 at Green Bay, Brown County. The case at West Superior is a young man who came from Chicago two weeks ago; the Green Bay case, father of physician who attended cases at Fort Howard. Precautions taken— isolation, vaccination, and general vaccination.—J. T. REEVE, *Secretary Wisconsin State Board of Health.*

Discharge of recovered smallpox patients at Delaware Breakwater Quarantine.

DELAWARE BREAKWATER QUARANTINE STATION, March 20, 1894.—The Belgian tank steamer *Erivan* came down the bay to-day bound out. She anchored at the breakwater and the master landed at the station. John Anderson, the first smallpox case, and Charles Anderson, the suspected case, were discharged, and returned to the steamer after a bath and disinfection of their clothing. The remaining case is convalescent.—WM. P. ORR, *Acting Assistant Surgeon, M. H. S.*

Report of immigration at Boston for the week ended March 24, 1894.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of Boston, Mass., March 24, 1894.

Number of alien immigrants who arrived at this port during the week ended March 24, 1894; also names of vessels and ports from which they arrived.

| Date. | Vessel. | Where from. | No. of immigrants. |
|---------|-----------------------------|-------------------------------|--------------------|
| 1894. | | | |
| Mar. 18 | Steamship Pomeranian..... | Glasgow, Scotland..... | 10 |
| 21 | Steamship Catalonia..... | Liverpool via Queenstown..... | 120 |
| 23 | Steamship Lake Ontario..... | Liverpool via Halifax..... | 3 |
| | Total ..... | ..... | 133 |

S. C. WRIGHTINGTON,
Commissioner of Immigration.

Report of immigration at New York for the week ended March 24, 1894.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of New York, March 26, 1894.

Number of alien immigrants who arrived at this port during the week ended March 24, 1894; also names of vessels and ports from which they arrived.

| Date. | Vessel. | Where from. | No. of immigrants. |
|---------|--------------------------------|-------------------------------|--------------------|
| 1894. | | | |
| Mar. 18 | Steamship Campania..... | Liverpool and Queenstown..... | 397 |
| 18 | Steamship Spree..... | Genoa and Gibraltar..... | 160 |
| 19 | Steamship La Bretagne..... | Havre..... | 230 |
| 20 | Steamship Braunschweig..... | Bremen..... | 327 |
| 20 | Steamship Sorrento..... | Hamburg..... | 102 |
| 20 | Steamship Persian Monarch..... | London..... | 10 |
| 20 | Steamship Didam..... | Rotterdam..... | 64 |
| 20 | Steamship Berlin..... | Southampton..... | 280 |
| 21 | Steamship Rhætia..... | Hamburg..... | 153 |
| 21 | Steamship Werra..... | Bremen..... | 159 |
| 21 | Steamship Werkendam..... | Rotterdam and Boulogne..... | 96 |
| 21 | Steamship Scandia..... | Hamburg..... | 155 |
| 21 | Steamship Thingvalla..... | Copenhagen, etc..... | 139 |
| 21 | Steamship Anchoria..... | Glasgow..... | 100 |
| 23 | Steamship Westernland..... | Antwerp..... | 322 |
| 23 | Steamship Entella..... | Palermo and Naples..... | 111 |
| 23 | Steamship Stuttgart..... | Bremen..... | 159 |
| 24 | Steamship Memnon..... | Liverpool..... | 5 |
| 24 | Steamship Aller..... | Bremen..... | 272 |
| 24 | Steamship Germania..... | Liverpool and Queenstown..... | 113 |
| | Total..... | | 3,354 |

EDW. F. MCSWEENEY,
Acting Commissioner of Immigration.

Report of immigration at Philadelphia for the week ended March 24, 1894.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of Philadelphia, Pa., March 24, 1894.

Number of alien immigrants who arrived at this port during the week ended March 24, 1894; also name of vessel and port from which it arrived.

| Date. | Vessel. | Where from. | No. of immigrants. |
|---------|-------------------------------|----------------|--------------------|
| 1894. | | | |
| Mar. 22 | Steamship British Prince..... | Liverpool..... | 143 |

JNO. J. S. RODGERS,
Commissioner of Immigration.

Report of immigration at San Francisco for the week ended March 17, 1894.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of San Francisco, March 17, 1894.

Number of alien immigrants who arrived at this port during the week ended March 17, 1894; also names of vessels and ports from which they arrived.

| Date. | Vessel. | Where from. | No. of immigrants. |
|---------|----------------------------|---------------------------|--------------------|
| 1894. | | | |
| Mar. 13 | Steamship Tropic Bird..... | Tahite..... | 2 |
| 15 | Steamship Mariposa..... | Sydney and Honolulu..... | 26 |
| 15 | Steamship Colon..... | Panama and way ports..... | 1 |
| | Total..... | | 29 |

WALTER P. STRADLEY,
Commissioner of Immigration.

Reports of States and yearly and monthly reports of cities.

MICHIGAN.—Week ended March 17, 1894. Reports to the State board of health, Lansing, from 57 observers, indicate that inflammation of the kidneys increased and that consumption decreased in area of prevalence. Scarlet fever was reported present during the week at 51 places; diphtheria at 37; measles at 18; enteric fever at 13; and smallpox at 3 places.

MINNESOTA.—Month of January, 1894. Reports received by the State board of health from 835 localities show a total of 886 deaths, including phthisis pulmonalis, 81; enteric fever, 25; scarlet fever, 20; diphtheria, 42; croup, 13; measles, 1; and whooping cough, 2.

NEW HAMPSHIRE—*Manchester*.—Month of February, 1894. Population, 50,000. Total deaths, 70, including phthisis pulmonalis, 1; scarlet fever, 2; measles, 3; and croup, 2.

NEW JERSEY—*Hudson County*.—Month of December, 1893. Population, 187,884. Total deaths, 549, including phthisis pulmonalis, 60; enteric fever, 8; scarlet fever, 2; diphtheria, 16; measles, 8; and whooping cough, 2.

Month of January, 1894. Total deaths, 642, including phthisis pulmonalis, 58; enteric fever, 17; scarlet fever, 3; diphtheria, 15; measles, 4; and whooping cough, 1.

Month of February, 1894. Total deaths, 505, including phthisis pulmonalis, 54; enteric fever, 6; scarlet fever, 1; diphtheria, 11; measles, 1; and whooping cough, 1.

NEW YORK—*Buffalo*.—Month of February, 1894. Estimated population, 300,000. Total deaths, 398, including phthisis pulmonalis, 27; enteric fever, 8; scarlet fever, 10; diphtheria, 6; croup, 5; measles, 1; and whooping cough, 1.

TENNESSEE.—Month of February, 1894. Reports to the State board of health from 8 cities and towns, having an aggregate population of 258,919, show a total of 338 deaths, including phthisis pulmonalis, 60; enteric fever, 1; scarlet fever, 1; measles, 1; and whooping cough, 2.

UTAH—*Salt Lake City*.—Month of February, 1894. Estimated population, 70,000. Total deaths, 29, including phthisis pulmonalis, 4; enteric fever, 1; scarlet fever, 1; and diphtheria, 2.

PUBLICATIONS RECEIVED.

Annual Report of the Board of Health of the City of Cambridge, Mass., for the year ended November 30, 1893.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

| Cities. | Week ended. | Population, U. S. Census of 1890. | Total deaths from all causes. | Deaths from— | | | | | | | | | | | | |
|---------------------|-------------|-----------------------------------|-------------------------------|----------------------|---------------|-----------|------------|----------|---------------|----------------|----------------|-------------|----------|-----------------|--|---|
| | | | | Phthisis pulmonalis. | Yellow fever. | Smallpox. | Varioloid. | Cholera. | Typhus fever. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. | Whooping cough. | | |
| Auburn, N. Y. | Mar. 24 | 25,858 | 14 | 2 | | | | | | | | | | | | |
| Baltimore, Md. | Mar. 24 | 434,439 | 179 | 19 | | | | | | 3 | 2 | 2 | | | | 2 |
| Binghamton, N. Y. | Mar. 24 | 35,005 | 15 | 1 | | 1 | 3 | | | | | | | | | |
| Boston, Mass. | Mar. 24 | 448,477 | 235 | 46 | | 4 | | | | 1 | 4 | 13 | | | | 1 |
| Brooklyn, N. Y. | Mar. 24 | 806,343 | 326 | 31 | | | | | | 2 | 16 | 17 | | 2 | | 7 |
| Cincinnati, Ohio. | Mar. 23 | 296,908 | 133 | 16 | | | | | | 7 | | 4 | | | | 1 |
| Cleveland, Ohio. | Mar. 26 | 261,353 | 95 | 11 | | | | | | 4 | 1 | 3 | | 3 | | 1 |
| Fall River, Mass. | Mar. 24 | 74,398 | 53 | 3 | | | | | | 1 | | | | 2 | | 2 |
| Galveston, Tex. | Mar. 16 | 29,084 | 13 | | | | | | | | | 1 | | | | |
| Indianapolis, Ind. | Mar. 17 | 105,436 | 42 | 4 | | | | | | | 1 | 3 | | | | |
| Manchester, N. H. | Mar. 17 | 44,126 | | | | | | | | 1 | | | | | | |
| Milwaukee, Wis. | Mar. 24 | 204,468 | 89 | 11 | | | | | | 2 | | 2 | | 3 | | |
| Minneapolis, Minn. | Mar. 24 | 164,738 | | 7 | | | | | | 2 | 4 | 3 | | | | |
| Mobile, Ala. | Mar. 17 | 31,076 | 6 | | | | | | | | | | | | | |
| Mobile, Ala. | Mar. 24 | 31,076 | 8 | 2 | | | | | | | | | | | | |
| Nashville, Tenn. | Mar. 24 | 76,306 | 30 | 7 | | | | | | | | | | | | 1 |
| New Orleans, La. | Mar. 17 | 242,039 | 130 | 17 | | | | | | 3 | | 3 | | | | |
| New York, N. Y. | Mar. 24 | 1,515,301 | 873 | 104 | | 7 | | | | 6 | 18 | 53 | | 29 | | 8 |
| Omaha, Nebr. | Mar. 24 | 140,450 | 19 | 2 | | | | | | | | 2 | | | | |
| Pensacola, Fla. | Mar. 17 | 11,750 | 2 | | | | | | | | | | | | | |
| Philadelphia, Pa. | Mar. 17 | 1,046,964 | 431 | 61 | | | | | | 4 | 4 | 17 | | 5 | | |
| Pittsburg, Pa. | Mar. 10 | 238,617 | 98 | 10 | | | | | | 3 | 2 | | | | | 3 |
| Pittsburg, Pa. | Mar. 17 | 238,617 | 99 | 12 | | | | | | 5 | 3 | 2 | | | | 2 |
| Providence, R. I. | Mar. 24 | 132,146 | 61 | | | | | | | | | 1 | | | | 5 |
| Richmond, Va. | Mar. 19 | 81,388 | 27 | 5 | | | | | | | | | | | | 1 |
| Rochester, N. Y. | Mar. 24 | 133,896 | 55 | 14 | | | | | | | | 1 | | 2 | | |
| St. Louis, Mo. | Mar. 17 | 451,770 | 179 | 21 | | | | | | 1 | | 1 | | | | 1 |
| San Diego, Cal. | Mar. 17 | 16,159 | 7 | | | | | | | | | | | | | |
| San Francisco, Cal. | Mar. 17 | 298,997 | 119 | 14 | | | | | | 1 | | | | | | 1 |
| Toledo, Ohio. | Mar. 16 | 81,434 | 27 | | | | | | | | | | | 2 | | |
| Toledo, Ohio. | Mar. 23 | 81,434 | 28 | | | | | | | 1 | | | | | | |
| Washington, D. C. | Mar. 17 | 230,392 | 114 | 15 | | | | | | 2 | | 4 | | | | 1 |
| Youngstown, Ohio. | Mar. 23 | 33,220 | 8 | | | | | | | | | 1 | | | | |

Table of temperature and rainfall, week ended March 19, 1894.

[Received from Department of Agriculture, Weather Bureau.]

| Locality. | Temperature in degrees Fahrenheit. | | | Rainfall in inches and hundredths. | | |
|-----------------------------------|------------------------------------|----------|--------------|------------------------------------|---------|-------------|
| | Normal. | *Excess. | *Deficiency. | Normal. | Excess. | Deficiency. |
| New England States: | | | | | | |
| Eastport, Me. | 28 | 8 | | 1.19 | | .92 |
| Portland, Me. | 30 | 9 | | .77 | | .10 |
| Northfield, Vt. | 25 | 12 | | .80 | | .53 |
| Boston, Mass. | 34 | 10 | | 1.03 | | .85 |
| Nantucket, Mass. | 34 | 6 | | .95 | | .69 |
| Block Island, R. I. | 34 | 6 | | .91 | | .29 |
| New London, Conn. | 35 | 6 | | 1.15 | | .40 |
| Middle Atlantic States: | | | | | | |
| Albany, N. Y. | 32 | 10 | | .64 | | .49 |
| New York, N. Y. | 36 | 10 | | .91 | | .62 |
| Philadelphia, Pa. | 38 | 11 | | .70 | | .53 |
| Atlantic City, N. J. | 37 | 9 | | .91 | | .86 |
| Baltimore, Md. | 41 | 10 | | .92 | | .81 |
| Washington, D. C. | 41 | 11 | | .98 | | .88 |
| Lynchburg, Va. | 45 | 11 | | .90 | | .34 |
| Norfolk, Va. | 46 | 9 | | 1.05 | | .61 |
| South Atlantic States: | | | | | | |
| Charlotte, N. C. | 50 | 13 | | 1.10 | | .79 |
| Wilmington, N. C. | 53 | 13 | | | | .86 |
| Charleston, S. C. | 56 | 11 | | .91 | | .91 |
| Augusta, Ga. | 55 | 13 | | 1.25 | | 1.14 |
| Savannah, Ga. | 58 | 12 | | .84 | | .84 |
| Jacksonville, Fla. | 61 | 10 | | .74 | | .73 |
| Titusville, Fla. | 65 | 5 | | .70 | | .66 |
| Jupiter, Fla. | 70 | 2 | | .35 | | .14 |
| Key West, Fla. | 72 | 5 | | .28 | | .28 |
| Gulf States: | | | | | | |
| Atlanta, Ga. | 50 | 15 | | 1.50 | | .29 |
| Pensacola, Fla. | 60 | 8 | | 1.26 | .05 | |
| Mobile, Ala. | 59 | 8 | | 1.82 | 4.36 | |
| Montgomery, Ala. | 57 | 12 | | 1.40 | | .33 |
| Vicksburg, Miss. | 58 | 13 | | 1.47 | | .95 |
| New Orleans, La. | 62 | 9 | | 1.30 | | .30 |
| Shreveport, La. | 58 | 11 | | 1.05 | 2.63 | |
| Fort Smith, Ark. | 51 | 14 | | .52 | | |
| Little Rock, Ark. | 53 | 12 | | 1.04 | 3.85 | |
| Palestine, Tex. | 59 | 12 | | .98 | 1.32 | |
| Galveston, Tex. | 62 | 9 | | .74 | | .71 |
| San Antonio, Tex. | 62 | 13 | | .48 | | .13 |
| Corpus Christi, Tex. | 64 | 8 | | .37 | | .32 |
| Ohio Valley and Tennessee: | | | | | | |
| Memphis, Tenn. | 52 | 12 | | 1.32 | 5.52 | |
| Nashville, Tenn. | 48 | 15 | | 1.18 | .07 | |
| Chattanooga, Tenn. | 50 | 14 | | 1.47 | | .32 |
| Knoxville, Tenn. | 47 | 15 | | 1.26 | | .41 |
| Louisville, Ky. | 45 | 14 | | .91 | .41 | |
| Indianapolis, Ind. | 39 | 15 | | .91 | | .57 |
| Cincinnati, Ohio. | 42 | 14 | | .77 | .38 | |
| Columbus, Ohio. | 38 | 14 | | .72 | | .07 |
| Parkersburg, W. Va. | 41 | 12 | | .75 | | .00 |
| Pittsburg, Pa. | 38 | 13 | | .63 | .41 | |
| Lake Region: | | | | | | |
| Oswego, N. Y. | 29 | 10 | | .63 | | .33 |
| Rochester, N. Y. | 29 | 13 | | .68 | | .45 |
| Buffalo, N. Y. | 29 | 12 | | .63 | | .52 |
| Erie, Pa. | 32 | 12 | | .64 | | .51 |
| Cleveland, Ohio. | 32 | 15 | | .63 | | .33 |
| Sandusky, Ohio. | 33 | 16 | | .56 | | .11 |
| Toledo, Ohio. | 34 | 15 | | .63 | | .28 |
| Detroit, Mich. | 33 | 12 | | .56 | | .37 |
| Port Huron, Mich. | 28 | 14 | | .70 | | .63 |
| Alpena, Mich. | 23 | 13 | | .42 | .37 | |
| Marquette, Mich. | 22 | 11 | | .28 | .10 | |
| Green Bay, Wis. | 25 | 16 | | .56 | .70 | |
| Grand Haven, Mich. | 31 | 13 | | .55 | .05 | |
| Milwaukee, Wis. | 29 | 13 | | .56 | .10 | |
| Chicago, Ill. | 34 | 13 | | .56 | .04 | |
| Duluth, Minn. | 23 | 9 | | .35 | .73 | |
| Upper Mississippi Valley: | | | | | | |
| St. Paul, Minn. | 28 | 14 | | .28 | | .07 |
| La Crosse, Wis. | 30 | 15 | | .35 | | .01 |

* The figures in these columns represent the average daily departure. To obtain the average weekly departure these should be multiplied by seven.

Table of temperature and rainfall, week ended March 19, 1894—Continued.

| Locality. | Temperature in degrees Fahrenheit. | | | Rainfall in inches and hundredths. | | |
|---|------------------------------------|----------|-------------|------------------------------------|---------|-------------|
| | Normal. | *Excess. | *Defic'ncy. | Normal. | Excess. | Deficiency. |
| Upper Mississippi Valley—Cont'd. | | | | | | |
| Dubuque, Iowa..... | 33 | 16 | ..... | .49 | .43 | ..... |
| Davenport, Iowa..... | 34 | 17 | ..... | .49 | ..... | .07 |
| Des Moines, Iowa..... | 35 | 16 | ..... | .28 | .32 | ..... |
| Keokuk, Iowa..... | 37 | 17 | ..... | .49 | ..... | .17 |
| Springfield, Ill..... | 39 | 17 | ..... | .56 | ..... | .43 |
| Cairo, Ill..... | 46 | 16 | ..... | .84 | .05 | ..... |
| St. Louis, Mo..... | 43 | 19 | ..... | .70 | ..... | .54 |
| Missouri Valley: | | | | | | |
| Springfield, Mo..... | 44 | 17 | ..... | .77 | .08 | ..... |
| Kansas City, Mo..... | 42 | 15 | ..... | .42 | ..... | .12 |
| Wichita, Kans..... | 44 | 14 | ..... | .57 | ..... | .24 |
| Concordia, Kans..... | 39 | 15 | ..... | .37 | ..... | .17 |
| Omaha, Nebr..... | 36 | 15 | ..... | .28 | ..... | .06 |
| Valentine, Nebr..... | 33 | 14 | ..... | .28 | ..... | .23 |
| Huron, S. Dak..... | 29 | 16 | ..... | .14 | ..... | .14 |
| Pierre, S. Dak..... | 30 | 15 | ..... | .14 | ..... | .14 |
| Moorehead, Minn..... | 20 | 16 | ..... | .14 | ..... | .05 |
| St. Vincent, Minn..... | 15 | 17 | ..... | .13 | .11 | ..... |
| Bismarck, N. Dak..... | 24 | 14 | ..... | .21 | ..... | .17 |
| Williston, N. Dak..... | 25 | 10 | ..... | .07 | .79 | ..... |
| Rocky Mountain Slope: | | | | | | |
| Havre, Mont..... | 30 | 6 | ..... | .12 | ..... | .10 |
| Helena, Mont..... | 34 | 1 | ..... | .14 | ..... | .03 |
| Rapid City, S. Dak..... | 31 | 13 | ..... | .21 | ..... | .21 |
| Spokane, Wash..... | 40 | ..... | 2 | .32 | .37 | ..... |
| Wallawalla, Wash..... | 46 | ..... | 2 | .35 | 1.71 | ..... |
| Winnemucca, Nev..... | 41 | ..... | 1 | .15 | .09 | ..... |
| Salt Lake City, Utah..... | 42 | 3 | ..... | .42 | .77 | ..... |
| Cheyenne, Wyo..... | 35 | 8 | ..... | .14 | ..... | .14 |
| North Platte, Nebr..... | 37 | 12 | ..... | .14 | ..... | .14 |
| Denver, Colo..... | 40 | 9 | ..... | .14 | ..... | .14 |
| Pueblo, Colo..... | 42 | 11 | ..... | .07 | ..... | ..... |
| Dodge City, Kans..... | 43 | 13 | ..... | .21 | ..... | .21 |
| Abilene, Tex..... | 56 | 13 | ..... | .28 | .64 | ..... |
| Santa Fe, N. Mex..... | 40 | 6 | ..... | .14 | .10 | ..... |
| El Paso, Tex..... | 56 | 4 | ..... | .13 | ..... | .01 |
| Tucson, Ariz..... | 60 | ..... | 2 | .21 | .18 | ..... |
| Pacific Coast: | | | | | | |
| Port Angeles, Wash. †..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Olympia, Wash..... | 45 | ..... | 5 | 1.15 | 2.35 | ..... |
| Portland, Oreg..... | 49 | ..... | 7 | 1.40 | 1.45 | ..... |
| Roseburg, Oreg..... | 49 | ..... | 6 | .70 | 2.43 | ..... |
| Red Bluff, Cal..... | 55 | ..... | 4 | .77 | ..... | .53 |
| Sacramento, Cal..... | 56 | ..... | 3 | .76 | ..... | .74 |
| San Francisco, Cal..... | 55 | ..... | 5 | .76 | ..... | .72 |
| Fresno, Cal..... | 55 | ..... | 3 | .28 | ..... | .24 |
| Keeler, Cal..... | 52 | 1 | ..... | .00 | .01 | ..... |
| Los Angeles, Cal..... | 57 | ..... | 3 | .65 | ..... | .64 |
| San Diego, Cal..... | 57 | ..... | 5 | .31 | ..... | .25 |
| Yuma, Ariz..... | 65 | 1 | ..... | .06 | ..... | .06 |

*The figures in these columns represent the average daily departure. To obtain the average weekly departure these should be multiplied by seven.

†Data missing.

FOREIGN.

[Reports received from the U. S. consuls through the Department of State and from other sources.]

BRAZIL.

Yellow fever at Rio de Janeiro.

RIO DE JANEIRO, *February 27, 1894.*

SIR : I have the honor to transmit the report for week ended February 24, 1894. You will perceive that the yellow fever epidemic is still increasing, as there were 409 deaths during the week from that cause, whilst the previous week only showed 340. Deaths from all causes were 795 as against 721 for the week before. I do not think we may look for much of a decline before the latter part of next month, when the temperature begins to fall. The want of rain still continues. A sensible want of water is felt in the town, so that proper washings are difficult in private houses. The disease is principally amongst the shipping and along shore, though it is slowly extending itself to other and cleaner parts of the town.

Cholera in the Canary Islands.—On the 23d instant the health authorities here declared these islands free of cholera, but vessels from their ports must still be subjected to a rigorous inspection before being allowed to disembark either persons or goods.

Since last report I have inspected and given bills of health to the following named ships, always declaring on them the exact state of health of the port :

February 20, steamship *Nasmyth*, English, for New York ; February 22, bark *Amy*, American, for Baltimore, Md. ; February 23, barkentine *Josephine*, American, for Baltimore, Md. ; and bark *Julia Rollins*, American, for Baltimore, Md.

Respectfully, yours,

R. CLEARY, M. D.,
Sanitary Inspector, M. H. S.

To the SUPERVISING SURGEON-GENERAL M. H. S.

RIO DE JANEIRO, *March 6, 1894.*

SIR : I have the honor to transmit the report for the week ended March 3, 1894. You will perceive that the yellow fever epidemic has increased during the week, the deaths from that cause being 510, whilst there were only 409 during the previous week. Deaths from typhoid fever have diminished from 12 to 6, whilst the total from all causes was 876, against 795 of the week before.

A very great proportion of the yellow fever deaths takes place amongst the shipping and in the neighborhood of the place where the garbage from the city is burned. In ordinary years the garbage is properly destroyed on an island in the bay, and during epidemics most of the ships discharge into lighters, using native labor, but this year the garbage can not be sent to the island because of the revolted fleet, and as there was little or no protection for foreign ships in the harbor, they could not be discharged safely, so that many were for more than three months waiting a solution of the question till the American naval fleet determined to protect commerce, when all commenced hauling into the

wharves to unload, using their crews for the necessary labor, as it is now difficult to arrange for workmen because of the political status.

These reasons influenced heavily the spread of the fever amongst the merchant ships and along the shore. The highest number of deaths was on February 28, when 91 died; since when it has been slowly diminishing, the days showing 74, 73, 70, and 66 on the 4th. I fully state the case on all bills of health.

Since last report I have inspected and given bills of health to the following named ships: February 27, American steamship *Santuit*, for Boston, and English steamship *Rosse*, for New York; March 3, American bark *Baltimore* for Baltimore.

A bill of health was given to the *Santuit* in the afternoon, and the captain (Sturgess) came ashore next morning with yellow fever, went to the hospital and died; hence a new one must be had before she can proceed to an American port.

Respectfully, yours,

R. CLEARY, M. D.,
Sanitary Inspector, M. H. S.

To the SUPERVISING SURGEON-GENERAL M. H. S.

BRITISH COLUMBIA,

Smallpox at Vancouver.

PORT TOWNSEND, March 24, 1894.—Reported case of smallpox in bonded warehouse at Vancouver.—J. O. COBB, *Passed Assistant Surgeon, M. H. S.*

CANADA.

Epidemic of measles at Coaticook.

Under date of March 26, 1894, the U. S. consul at Coaticook reports that during the week ended March 24 there were 150 cases of measles and 1 death therefrom in that town (population, 2,500). The epidemic still continues to be of a mild type.

ECUADOR.

Statement of mortality at the military hospital at Guayaquil.

U. S. CONSULATE-GENERAL,
Guayaquil, February 24, 1894.

SIR: I inclose a statement of the movement of population in the military hospital in Guayaquil. This hospital is a model of cleanliness and good management. I am endeavoring to get a memorandum of disease of each patient. It is an uphill business to get statistics in this country. I thought it might be of interest at the Bureau to have a report from a military hospital in the tropics.

Your obedient servant,

GEO. G. DILLARD,
Consul-General.

To the SUPERVISING SURGEON-GENERAL M. H. S.

NOTE.—I could only get an estimate of the percentage of deaths from yellow fever and smallpox; but the doctor assures me that, at my suggestion, he has opened a register from which full information can hereafter be obtained.

[Inclosure.]

Remaining in hospital on December 31, 1893, 5 officers and 106 men; entered during year 1893, 106 officers and 1,791 men; discharged as cured during 1893, 107 officers and 1,728 men; died, 35 men; remaining on December 31, 1893, 4 officers and 134 men; total, 111 officers and 1,897 men.

The different diseases of which the 35 men died were as follows: Pneumonia, 1; yellow fever, 24; consumption, 3; typhoid fever, 3; abscess of the liver, 1; smallpox, 2; uræmia, 1. About 35 per cent of the cases of yellow fever were fatal.

HOLLAND.

Typhus fever in Amsterdam.

AMSTERDAM, March 24, 1894.—Seven cases of typhus fever within fourteen days. Two deaths.—EDWARD DOWNES, *U. S. Consul*.

To the Hon. SECRETARY OF STATE.

NOVA SCOTIA.

Arrival of immigrants at Halifax.

HALIFAX, March 21, 1894.—I have the honor to inform you of the arrival at this port last evening of the steamship *Laurentian*, and this morning of the steamship *Lake Ontario*, both from Liverpool, the former having 35 emigrants for the United States and the latter 30. None of the baggage was disinfected.—DARIUS H. INGRAHAM, *U. S. Consul-General*.

STATISTICAL REPORTS.

ARGENTINE REPUBLIC—*Buenos Ayres*.—Month of December, 1893. Population, 580,371. Total deaths, 1,583, including enteric fever, 14; scarlet fever, 8; diphtheria, 46; measles, 11; and whooping cough, 11.

BAHAMAS—*Dunmore Town*.—Two weeks ended March 16, 1894. Population, 1,472. One death. No deaths reported from contagious diseases.

Governors Harbor.—Two weeks ended March 16, 1894. Population, 1,147. Total deaths, 3. No deaths reported from contagious diseases.

FRANCE—*Rouen*.—Month of February, 1894. Population, 111,847. Total deaths, 313, including smallpox, 2; enteric fever, 2; diphtheria, 21; and whooping cough, 1.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 33 great towns of England and Wales during the week ended March 10, corresponded to an annual rate of 19·9 a thousand of the aggregate population, which is estimated at 10,458,442. The lowest rate was recorded in Huddersfield, viz, 11·1, and the highest in Liverpool, viz, 25·1 a thousand.

London.—One thousand seven hundred deaths were registered during the week, including measles, 66; scarlet fever, 17; diphtheria, 53; whooping cough, 59; enteric fever, 10; and diarrhea and dysentery, 13. The deaths from all causes corresponded to an annual rate of 20·4 a thousand.

In greater London 2,105 deaths were registered, corresponding to an annual rate of 19·0 a thousand of the population. In the "outer ring" the deaths included smallpox, 4; diphtheria, 17; whooping cough, 22; and scarlet fever, 6.

Hull.—Two weeks ended February 24, 1894. Population, 212,679. Total deaths, 149, including scarlet fever, 1; measles, 1; and whooping cough, 2.

Ireland.—The average annual death rate represented by the deaths registered during the week ended March 10 in the 16 principal town districts of Ireland was 19·9 a thousand of the population. The lowest rate was recorded in Sligo, viz, 5·1, and the highest in Galway, viz, 34·0 a thousand. In Dublin and suburbs 204 deaths were registered, including measles, 1; whooping cough, 6; enteric fever, 3; and scarlet fever, 1.

Scotland.—The deaths registered in 8 principal towns during the week ended March 10 corresponded to an annual rate of 21·1 a thousand of the population, which is estimated at 1,447,500. The lowest mortality was recorded in Leith, viz, 15·9, and the highest in Perth, viz, 27·4 a thousand. The aggregate number of deaths registered from all causes was 601, including measles, 4; scarlet fever, 8; diphtheria, 9; whooping cough, 41; and "fever," 7.

SPAIN—Barcelona.—Month of January, 1894. Population, 246,400. Total deaths, 986, including phthisis pulmonalis, 108; enteric fever, 25; scarlet fever, 2; smallpox, 26; diphtheria, 51.

WEST INDIES—Martinique—St. Pierre.—Six weeks ended March 18, 1894. Population, 41,100. Total deaths, 75. No deaths from contagious diseases.

Turks Island.—Three weeks ended March 3, 1894. Population, 4,744. Total deaths, 11. No deaths from contagious diseases.

MORTALITY TABLE, FOREIGN CITIES.

| Cities. | Week ended. | Estimated population. | Total deaths from all causes. | Deaths from— | | | | | | | | | |
|----------------------|-------------|-----------------------|-------------------------------|--------------|---------------|-----------|---------------|----------------|----------------|-------------|----------|-----------------|---|
| | | | | Cholera. | Yellow fever. | Smallpox. | Typhus fever. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. | Whooping cough. | |
| Acapulco | Mar. 14.... | 4,000 | 4 | | | | | | | | | | |
| Aden | Feb. 17.... | 35,000 | 26 | | | | | | | | | | |
| Aden | Feb. 24.... | 35,000 | 21 | | | | | | | | | | |
| Aix la Chapelle..... | Mar. 3..... | 108,298 | 42 | | | | | | | | | | |
| Alexandria..... | Feb. 22.... | 231,396 | 202 | | | 1 | | 1 | | 4 | 2 | 2 | |
| Amherstberg..... | Mar. 17.... | 2,300 | 1 | | | | | | | | | | |
| Amsterdam..... | Mar. 10.... | 446,728 | 153 | | | | 2 | | | | 4 | 3 | |
| Antigua | Feb. 17.... | 16,664 | 12 | | | | | | | | | | |
| Antigua | Feb. 24.... | 16,664 | 16 | | | | | | | | | | |
| Antigua | Mar. 3..... | 16,664 | 12 | | | | | | | | | | |
| Barmen..... | Feb. 24.... | 120,000 | 45 | | | | | | | 3 | 1 | | 1 |
| Barmen..... | Mar. 3..... | 120,000 | 46 | | | | | | | 3 | 1 | | 1 |
| Basle..... | Mar. 3..... | 80,000 | 13 | | | | | | | | 1 | | 1 |
| Batoum..... | Mar. 6..... | 28,000 | 7 | | | | | | | | | | |
| Belfast..... | Mar. 10.... | 269,200 | 161 | | | | | 1 | | | 12 | | |

MORTALITY TABLE, FOREIGN CITIES—Continued.

| Cities. | Week ended. | Estimated population. | Total deaths from all causes. | Deaths from— | | | | | | | | | |
|------------------------|--------------|-----------------------|-------------------------------|--------------|---------------|-----------|---------------|----------------|----------------|-------------|----------|-----------------|----|
| | | | | Cholera. | Yellow fever. | Smallpox. | Typhus fever. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. | Whooping cough. | |
| Belleville..... | Mar. 17..... | 10,201 | 4 | | | | | | | | | | |
| Berlin..... | Feb. 9..... | 1,767,639 | 139 | | | | | | 18 | | | | 3 |
| Birmingham..... | Mar. 10..... | 492,301 | 164 | | | 2 | | | 2 | 1 | 1 | | 6 |
| Bologna..... | Mar. 10..... | 146,068 | 79 | | | | | | | 3 | | | |
| Bradford..... | Mar. 10..... | 221,610 | 81 | | | 4 | | | | | 1 | | 1 |
| Bremen..... | Mar. 3..... | 127,000 | 57 | | | | | | | 9 | 1 | | |
| Bristol..... | Mar. 10..... | 226,578 | 91 | | | 1 | | 2 | | 1 | 3 | | 6 |
| Brunswick..... | Mar. 3..... | 111,250 | 43 | | | | | | | | | | |
| Brussels..... | Mar. 3..... | 483,081 | 201 | | | | | 1 | | | | | 1 |
| Cairo..... | Feb. 22..... | 374,838 | 366 | | | | | 6 | | 1 | 1 | | 1 |
| Calcutta..... | Feb. 10..... | 681,560 | 473 | 56 | | 2 | | | | | 1 | | 2 |
| Callao..... | Feb. 11..... | 26,805 | 20 | | | | | | | | 1 | | |
| Callao..... | Feb. 18..... | 26,805 | 23 | | | | | | | | | | |
| Cardiff..... | Mar. 10..... | 148,890 | 64 | | | | 1 | | | 4 | | | 5 |
| Chatham..... | Mar. 17..... | 10,000 | 3 | | | | | | | | | | |
| Chemnitz..... | Mar. 10..... | 150,000 | 77 | | | | | | | 3 | | | |
| Chihuahua..... | Mar. 11..... | 29,500 | 8 | | | | | | | | | | |
| Christiania..... | Mar. 3..... | 161,151 | 60 | | | | | | 1 | 1 | 6 | | |
| Cienfuegos..... | Mar. 17..... | 23,000 | 15 | | | | | | | | | | |
| Cognac..... | Mar. 11..... | 17,500 | 14 | | | | | | 1 | | 1 | | |
| Cologne..... | Mar. 3..... | 306,550 | 134 | | | | | | 2 | 13 | 1 | | 6 |
| Colon..... | Mar. 3..... | 5,000 | 2 | | | | | | | | | | |
| Colon..... | Mar. 10..... | 5,000 | 8 | | | | | | | | | | |
| Copenhagen..... | Feb. 24..... | 341,000 | 136 | | | | | 1 | 12 | 4 | | | 1 |
| Copenhagen..... | Mar. 3..... | 341,000 | 131 | | | | | | 6 | 8 | | | |
| Crefeld..... | Mar. 4..... | 107,000 | 42 | | | | | | | 4 | | | |
| Danzig..... | Mar. 3..... | 121,000 | 44 | | | | | | | 1 | 1 | | |
| Denia..... | Mar. 12..... | 14,000 | 4 | | | | | | | | | | |
| Dresden..... | Mar. 3..... | 312,770 | 140 | | | | | | | | | | |
| Dublin..... | Mar. 10..... | 349,500 | 204 | | | | | 1 | 2 | | 1 | | |
| Dundee..... | Mar. 10..... | 158,719 | 62 | | | | | 1 | 1 | | | | 6 |
| Dusseldorf..... | Mar. 3..... | 162,832 | 67 | | | | | | | 3 | | | |
| Edinburgh..... | Mar. 10..... | 270,588 | 95 | | | | | | 1 | 1 | | | 4 |
| Florence..... | Mar. 3..... | 188,594 | 111 | | | | | 1 | | 2 | 2 | | 4 |
| Flushing..... | Mar. 10..... | 15,198 | 7 | | | | | | | | | | |
| Genoa..... | Mar. 10..... | 181,952 | 95 | | | | | 1 | | 8 | | | |
| Ghent..... | Mar. 10..... | 153,803 | 63 | | | | | | | | | | |
| Girgenti..... | Mar. 3..... | 23,847 | 12 | | | | | | | 2 | | | |
| Glasgow..... | Mar. 3..... | 686,820 | 252 | | | | | | 4 | 11 | 6 | | |
| Glasgow..... | Mar. 10..... | 686,820 | 296 | | | | | 5 | 5 | 6 | 4 | | 21 |
| Gothenburg..... | Feb. 24..... | 107,965 | 29 | | | 2 | | | | | | | |
| Gothenburg..... | Mar. 3..... | 107,965 | 30 | | | 1 | | | | 1 | | | |
| Guadeloupe..... | Mar. 4..... | 18,000 | 20 | | | | | | | | | | |
| Guadeloupe..... | Mar. 11..... | 18,000 | 15 | | | | | | | | | | |
| Guayaquil..... | Feb. 15..... | 45,060 | 42 | | 3 | 16 | | | | | | | |
| Guayaquil..... | Feb. 22..... | 45,000 | 44 | | 7 | 22 | | | | | | | |
| Guelph..... | Mar. 17..... | 10,689 | 3 | | | | | | 1 | | | | |
| Halifax..... | Mar. 17..... | 38,700 | 22 | | | | | | | | | | |
| Hamburg..... | Mar. 3..... | 647,479 | 209 | | | | | | | 1 | 15 | 4 | 1 |
| Hamilton, Bermuda..... | Mar. 16..... | 15,013 | 1 | | | | | | | | | | |
| Hanover..... | Feb. 17..... | 197,000 | 82 | | | | | | | | | | |
| Hanover..... | Feb. 24..... | 197,000 | 63 | | | | | | | | | | |
| Havana..... | Mar. 15..... | 200,048 | 114 | | 1 | 6 | | 1 | | 6 | | | |
| Hiogo..... | Feb. 25..... | 153,055 | 86 | | | | | | | 2 | | | |
| Kanagawa..... | Feb. 20..... | 126,685 | ..... |  |  |  |  | 1 | | | | | |
| Kiehl..... | Mar. 3..... | 129,556 | 56 | | | | | | | 6 | | | 2 |
| Kingston, Canada..... | Mar. 23..... | 19,264 | 4 | | | | | | | | | | |
| Konigsburg..... | Mar. 3..... | 167,000 | ..... |  |  |  |  | 1 | | 6 | 3 | | |
| Konigsburg..... | Mar. 10..... | 167,000 | ..... |  |  |  |  |  | 1 | 3 | 3 | | |
| Leeds..... | Mar. 10..... | 388,761 | 127 | | | 1 | | | 1 | 1 | | | 4 |
| Leghorn..... | Mar. 10..... | 103,230 | 29 | | | | | | | | | | |
| Leith..... | Mar. 10..... | 72,003 | 22 | | | | | | | | 1 | | 1 |
| Licata..... | Mar. 3..... | 20,000 | 18 | | | | | | | | | | |
| Liege..... | Mar. 10..... | 155,898 | 74 | | | | | | | | 2 | | |
| Liverpool..... | Mar. 10..... | 517,980 | 244 | | | | | 2 | 4 | 6 | 4 | 7 | 11 |
| London, England..... | Mar. 10..... | 5,633,806 | 2,165 | | | 4 | | 14 | 23 | 70 | 71 | 81 | |
| Lucerne..... | Feb. 28..... | 21,778 | 53 | | | | | | | | | | |
| Lyons..... | Mar. 3..... | 500,000 | 244 | | | | | | | 1 | 2 | 2 | |
| Madras..... | Feb. 16..... | 452,518 | 325 | 5 | | | | | | | | | 3 |
| Magdeburg..... | Feb. 24..... | 218,976 | 97 | | | | | | | | 12 | | 3 |
| Manchester..... | Mar. 10..... | 522,365 | 210 | | | | | | 1 | 4 | 5 | 6 | 10 |
| Manila..... | Feb. 3..... | 350,000 | 138 | | | | | | | | | | |
| Manila..... | Feb. 10..... | 350,000 | 162 | | | | | | | | | | |
| Mannheim..... | Mar. 3..... | 88,000 | 33 | | | | | | | | 3 | | |

MORTALITY TABLE, FOREIGN CITIES—Continued.

| Cities. | Week ended. | Estimated population. | Total deaths from all causes. | Deaths from— | | | | | | | | | |
|------------------------|--------------|-----------------------|-------------------------------|--------------|---------------|-----------|---------------|----------------|----------------|-------------|----------|-----------------|----|
| | | | | Cholera. | Yellow fever. | Smallpox. | Typhus fever. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. | Whooping cough. | |
| Matamoras | Mar. 16..... | 8,000 | 5 | | | | | | | | | | |
| Mayence | Mar. 3..... | 72,281 | 20 | | | | | 1 | | | | | 1 |
| Montevideo | Jan. 27..... | 226,440 | 53 | | | | | | | 1 | | | |
| Montevideo | Feb. 10..... | 226,440 | 54 | | | | | 1 | | 1 | | | |
| Montevideo | Feb. 17..... | 226,440 | 50 | | | | | | | | | | |
| Moscow | Feb. 25..... | 800,000 | 493 | | | 5 | | 8 | 5 | 20 | 4 | | 7 |
| Munich | Mar. 3..... | 390,000 | 185 | | | | | | | | | | |
| Nagasaki | Feb. 25..... | 40,000 | 27 | | | 27 | | | | | | | |
| Newcastle on Tyne..... | Mar. 10..... | 201,947 | 75 | | | | | | | 1 | | | 7 |
| Nuremberg | Feb. 24..... | 153,312 | 69 | | | | | 2 | 1 | 1 | | | 2 |
| Palermo | Mar. 5..... | 250,000 | 141 | | | | | 2 | | 4 | | | |
| Paris | Mar. 10..... | 2,424,705 | 1,161 | | | 7 | | 70 | 3 | 36 | 23 | | 6 |
| Plymouth | Mar. 10..... | 86,781 | 38 | | | | | | | | | | 4 |
| Prague | Mar. 3..... | 188,140 | 176 | | | | | 9 | 1 | 2 | 7 | | 1 |
| Queenstown | Mar. 10..... | 15,000 | 4 | | | | | | | | | | |
| Rheims..... | Mar. 10..... | 105,408 | 56 | | | | | | | | 5 | | 1 |
| Rio de Janeiro..... | Feb. 24..... | 600,000 | 795 | | 409 | 3 | | 12 | | | 1 | | 2 |
| Rio de Janeiro..... | Mar. 3..... | 600,000 | 876 | | 510 | 2 | | 6 | | | 1 | | |
| Rotterdam | Mar. 10..... | 228,596 | 107 | | | 10 | | | 1 | | | | |
| Sagua la Grande..... | Mar. 17..... | 17,536 | 9 | | | | | | | | | | |
| St. Georges | Mar. 12..... | 15,013 | 2 | | | | | | | | | | |
| St. Petersburg..... | Feb. 17..... | 1,100,000 | | | | 3 | | | 13 | 8 | 13 | | 12 |
| St. Thomas | Feb. 23..... | 12,019 | 33 | | | | | | | | | | |
| St. Thomas | Mar. 2..... | 12,019 | 39 | | | | | | | | | | |
| Schiedam | Mar. 10..... | 25,533 | 9 | | | | | | | | | | |
| Sheffield | Mar. 10..... | 324,243 | 124 | | | | | 2 | 1 | 2 | 1 | | 7 |
| Sonneberg..... | Mar. 4..... | 12,000 | 4 | | | | | | | | | | |
| Stettin..... | Mar. 3..... | 122,000 | 40 | | | | | | | 1 | | | |
| Stockholm | Mar. 3..... | 249,246 | 87 | | | | | | 1 | 12 | | | |
| Stuttgart..... | Mar. 8..... | 189,659 | 53 | | | | | 2 | | 1 | | | |
| Sunderland | Mar. 10..... | 136,101 | 56 | | | | | 1 | 3 | | | | |
| Swansea | Mar. 10..... | 95,000 | 31 | | | | | | | | | | |
| Tampico..... | Mar. 16..... | 7,000 | 9 | | | | | 1 | | | 1 | | 8 |
| Trapani..... | Mar. 3..... | 43,095 | 13 | | | | | 2 | 1 | 1 | 2 | | |
| Trieste..... | Mar. 3..... | 158,314 | 125 | | | 4 | | | 1 | 7 | 1 | | |
| Venice..... | Feb. 25..... | 160,406 | 91 | | | | | | | | | | |
| Vera Cruz..... | Mar. 15..... | 25,500 | 26 | | | 1 | | | | | | | |
| Victoria..... | Feb. 24..... | 12,000 | 5 | | | | | | | | | | |
| Victoria..... | Mar. 3..... | 12,000 | 8 | | | | | | | | | | |
| Vienna..... | Feb. 24..... | 1,465,537 | 754 | | 1 | | | 1 | 8 | 47 | 18 | | 5 |
| Warsaw..... | Feb. 24..... | 500,931 | 198 | | 8 | 3 | | | 2 | 6 | 1 | | 3 |
| Zurich..... | Feb. 24..... | 115,000 | 59 | | | 2 | | | | 1 | | | 2 |

By authority of the Secretary of the Treasury :

WALTER WYMAN,
Supervising Surgeon-General Marine-Hospital Service.