

Public Health Reports

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SURGEON GENERAL'S OFFICE

UNITED STATES. MAY. 4--1899

The quarantine functions and the quarantine station of Savannah, Ga., transferred to the Marine-Hospital Service.

Overtures having been made by the mayor and the city council of the city of Savannah, Ga., for transferring the quarantine station and the exercise of the quarantine functions for Savannah, Ga., to the Marine-Hospital Service, a formal agreement was drawn up and signed, in accordance with which the city of Savannah has leased to the Treasury Department, for use by the Marine-Hospital Service, its buildings, disinfecting apparatus, piers, and other appurtenances of the quarantine station at Savannah, in accordance with section 8 of the quarantine act of February 15, 1893, and the Marine-Hospital Service, acting for the Treasury Department, has purchased the boarding vessel necessary for the inspection of incoming vessels, and has retained in service the former quarantine officer, Dr. William J. Linley, and the quarantine employees.

The quarantine was formally turned over to the Marine-Hospital Service on April 18, 1899, Surgeon J. H. White receiving the same and assuming charge. Dr. White also acted as appraiser of the value of the property in conjunction with a representative of the city council of the city of Savannah, the Department agreeing to recommend to Congress the purchase of the property at its appraised value at or before the expiration of the lease.

Surgeon White, having effected the business connected with the transfer, and under orders, was relieved by Passed Assistant Surgeon A. C. Smith, who is temporarily in command of the station.

[Reports to the Supervising Surgeon-General United States Marine-Hospital Service.]
Cerebro-spinal meningitis—Abstract of replies received to circular requesting information.

[Continued from last PUBLIC HEALTH REPORTS.]

ARKANSAS.—Cerebro-spinal meningitis has appeared very generally throughout the State of Arkansas since October 1, 1898, most notably in the counties of Jefferson, Pulaski, Conway, Crawford, and Sebastian. Deaths have been reported mostly in the valleys of the Arkansas and White rivers. The number of cases in any locality in the State can not be stated, there being no State or local law or regulation requiring cases of the disease to be reported. In the city of Little Rock 57 deaths have been reported as having been caused by cerebro-spinal fever, meningitis, cerebritis, spinal fever, and brain fever from December 21, 1898, to April 1, 1899. A number of deaths have also been reported as caused by congestion of the brain during the same period.

The deaths in Little Rock by months were, December, 1898, 1; January, 1899, 11; February, 1899, 19; March, 1899, 26. The mortality has been extremely high wherever the disease has prevailed. No particular investigations have been made as to its etiology and pathology.

The disease is now decreasing in the localities where it first appeared and is just beginning to be noticed in other localities, particularly in northern Arkansas, where it has not prevailed to any alarming extent until recently.

CONNECTICUT—Danbury.—An outbreak of cerebro-spinal meningitis was reported, April 20, with 6 cases and 3 deaths.

MARYLAND—Baltimore.—During the week ended April 22, 1899, 2 cases and 6 deaths of cerebro-spinal meningitis were reported.

OHIO—Gallipolis.—No cases of cerebro-spinal meningitis in this locality or county.

SOUTH CAROLINA—Charleston.—One case was reported during the month of March, 1899. This is the only case known to have occurred in this city since October 1, 1898.

TEXAS—Galveston.—During the week ended April 8, 3 deaths from cerebro-spinal meningitis were reported.

WASHINGTON—Spokane.—Three cases and 2 deaths are reported under date of April 17. A few cases have been observed in the Puget Sound district. The diplococcus intracellularis meningitidis has been found during the past year in the nasal secretion of 4 cases and in the pus obtained at autopsies in 2 fatal cases.

Smallpox in the United States.

ALABAMA.

Mobile.—Surgeon Murray reports, April 14, investigation of 2 new cases at Escatawpa, Miss. Smallpox prevalent in Tallapoosa County, Ala. April 22, he reports 1 new cases in Mobile.

ARKANSAS.

Acting Assistant Surgeon Gibson reports the following extract from the report of the secretary of the State board of health :

Fulton County.—January 1 to April 10, 250 cases, 6 deaths.

Izard County.—January 1 to April 10, 60 cases, 1 death.

Lonoke County.—October, 1898, to April 10, 1899, smallpox prevalent.

Phillips County.—January 1 to April 10, smallpox prevalent.

Pulaski County.—January 1 to April 10, 23 cases, 4 deaths.

Sebastian County.—January 1 to April 10, 100 cases (estimated).

Yell County.—January 1 to April 10, 50 cases (estimated).

DISTRICT OF COLUMBIA.

Washington.—Health Officer Woodward reports, April 20, no change in the status of smallpox since the 18th; April 22, 1 new case; April 24, 2 new cases; April 26, no change since the 24th.

FLORIDA.

The Florida Health Notes for April gives the status of smallpox in that State as follows :

Columbia County.—March 1-31, 4 cases.

Escambia County.—March 1-31, 2 cases.

Jackson County.—March 1-31, smallpox prevalent among negro population; death rate, 6 or 7 per cent.

Marion County.—March 1-31, 102 cases; principally in the mining population near Dunnellon.

Polk County.—March 1-31, smallpox prevalent; origin, Dunnellon.

St. Johns County.—February 1 to March 31, 64 cases, no deaths. It is thought the disease is impetigo.

Suwanee County.—March 1-31, 4 cases.

Key West.—Acting Assistant Surgeon Plummer reports, April 20, no new cases since March 30, and that the smallpox hospital will be closed.

GEORGIA—*Savannah.*—Acting Assistant Surgeon Jarrell reports, April 17, 2 cases of smallpox, 1 from Montgomery, Ala.

KENTUCKY—*Lebanon Junction.*—Passed Assistant Surgeon McIntosh reports, April 19, 8 cases of smallpox.

ILLINOIS.

Chicago.—Surgeon Sawtelle reports April 20, 2 new cases of smallpox, and April 22, 3 new cases.

LOUISIANA.

New Orleans.—The secretary of the State board of health reports from April 16-22, 9 new cases of smallpox.

Shreveport.—Acting Assistant Surgeon Booth reports, April 18, 1 case of smallpox; origin, Mexico. Precautions taken against the spread of the disease. April 22, he reports another case.

MASSACHUSETTS.

Boston.—Surgeon Irwin reports, April 17, 2 new cases of smallpox.

MINNESOTA.

Dr. Bracken, secretary of the State board of health, reports as follows:

Brainerd.—April 16–22, 1 case.

Minneapolis.—April 9–15, 1 case.

St. Paul.—April 9–15, 1 case.

NEW YORK.

Buffalo.—Passed Assistant Surgeon Stoner reports, April 20, 1 case of smallpox; origin unknown.

PENNSYLVANIA.

Dr. Benjamin Lee, secretary of the State board of health, reports, April 12, as follows:

Since my last report, March 30, 1899, smallpox has been reported in Pennsylvania as follows:

Allegheny County.—Four cases.

Cambria County.—One case.

Blair County.—Twenty-two cases.

Fayette County.—Twenty cases.

Somerset County.—Forty-eight cases.

Washington County.—One case.

RHODE ISLAND.

Providence.—Acting Assistant Surgeon Bowman reports, April 21, 2 cases of smallpox in a sailors' boarding house. Origin not known.

TEXAS.

Galveston.—Acting Assistant Surgeon Keiller reports, April 12, as follows:

During the week ended April 8, 1899, 2 new cases of smallpox developed in patients held in quarantine because of contact with previously reported cases. No new foci in the city.

During the week ended April 15, 1899, there were 8 new cases and no deaths.

WISCONSIN.

Milwaukee.—Dr. Wingate, secretary of the State board of health, reports April 24, 3 cases of smallpox, origin unknown, cases quarantined in their homes.

Laredo.—Acting Assistant Surgeon Hamilton reports April 8 as follows:

New cases of smallpox at Laredo, Tex., for week ended April 8, 17; the larger number are mild cases or varioloid. * * * Marine-Hospital Service quarantine inspectors at international bridge and ferry report vaccinated, 52. Deported for nonvaccination or disease, 12. Total number examined for week ended April 8, 1,825. I have ordered deputy collector at Carrizo, Tex., to have a Marine-Hospital Service quarantine guard make an investigation at Guerrero, Mexico, as to smallpox. I am investigating myself Nuevo Laredo, Mexico. I find there has not been a new case there for the past five days. They are

making a house-to-house vaccination which, of course, includes inspection for smallpox. They have established a hospital for smallpox cases that can not be isolated within the city and are now, I believe, taking modern methods to stamp out the disease, so that by the time Laredo, Tex., becomes clean Nuevo Laredo, Mexico, will also be clean of smallpox. I will continue investigation.

He reports April 18, as follows:

I continue to inspect all passenger trains from Mexico. I quarantine against Tampico, Vera Cruz, and in fact all Mexican seaports on the Mexican Gulf, although according to reports, yellow fever exists only at Vera Cruz, but still the other points might be considered suspicious. Up to this writing persons only from Tampico and Vera Cruz have arrived at this port. On April 9, 1 passenger, two days from Tampico, was put off train and returned to Tampico same day to go to New York by steamer. April 10 stopped a man three days out from Tampico. April 11, 2 men two days out from Tampico. The last 3 had their baggage disinfected by steam disinfector on the Mexican side, and under my supervision held at Nuevo Laredo, Mexico, five days after disinfection and then allowed to enter.

To-day, April 18, I stopped a passenger three days out from Vera Cruz. I will supervise the disinfection of his baggage by steam disinfector and hold at Nuevo Laredo for five days afterwards. The Mexican Government is now running its steam disinfector almost daily, disinfecting baggage going into Mexico and also coming this way, when so required. I had a disinfector placed in good working condition last year at the expense of the Mexican National Railroad Company, and used it to disinfect baggage of persons coming from Monterey and other quarantined points. It still remains in good running order.

The smallpox situation is improving at this point. New cases for the week ended April 15, 9; deaths during same week, 10.

Marine-Hospital Service quarantine inspection at international foot bridge and ferry reports for the week ended April 8: Vaccinated, 43; deported crippled immigrants, 2; deported mendicants, 3; for refusal of vaccination, 3; examined and passed without vaccination, 1,659; total examined, 1,710. This number does not include all persons that enter over bridge and ferry, as after vaccination and examination of any person who passes frequently he is not examined if the vaccination proves successful, and is, therefore, not counted. That accounts for the falling off in number of the total of persons examined since guards were placed on duty.

I hereby acknowledge receipt of telegram dated April 18, 1899, as follows:

"Discontinue guards at Carrizo and San Ignacio, to take effect April 20."

I have asked deputy collector at Carrizo, Tex., to do so, and instructed guards accordingly.

I had ordered the guard at Carrizo, Tex., to make a good investigation of Guerrero, Mexico, and he reported that there had been no smallpox there since March, and the authorities assured him that they had a strict quarantine on against Nuevo Laredo, Mexico, and Laredo, Tex. I, therefore, thought danger of infection through Guerrero to Zapata County over, and advised the discharge of employees, especially as the smallpox in both Laredos is now under control.

April 25, Dr. Hamilton telegraphs as follows: "Have *two* from Vera Cruz quarantined at Nuevo Laredo, Mexico." * * *

VIRGINIA.

Newport News.—Acting Assistant Surgeon Charles reports as follows: April 14, 1899, 4 new cases; April 16, 2 new cases; April 17, 3 new cases; April 18, no new cases; April 19, no new cases; April 20, no new cases; April 21, new cases, 8; April 22, new cases, 1; April 23, new cases, 2; April 24, new cases, 2.

Norfolk.—Assistant Surgeon Cumming reports, April 13, 1899, as follows: New cases, 3; discharged, 9; deaths, none; April 14, new case, 1; discharged, 8; April 15, new cases, 3; discharged, none; April 16, new cases, 4; discharged, 10; April 17, new cases, 3; discharged, none; April 18, new cases, 6; discharged, 13: April 19, new cases, 5; discharged, none; April 20, new cases, 14; discharged, 12. Ten cases carried to county pesthouse. April 21, no new cases; discharged, 2; April 22, new cases, 2; discharged, 5; April 23, new cases, 2; discharged, 13; April 24, new cases, 6; discharged, none.

Portsmouth.—Assistant Surgeon Cumming reports as follows: April 13, new cases, 4; discharged, none; April 14, new cases, 3; discharged, 6; April 15, 1 new case; discharged, 1; April 16, 2 new cases; discharged, none; April 17, 3 new cases; discharged, 6; April 18, no new cases; discharged, 5; April 19, 8 new cases; discharged, 8; April 20, 1 new case; discharged, none; April 21, 3 new cases; discharged, none; April 22, 2 new cases; discharged, none; April 23, 3 new cases; discharged, 1; April 24, 2 new cases; discharged, 3.

Smallpox in the United States as reported to the Supervising Surgeon-General United States Marine-Hospital Service, December 31, 1898, to April 28, 1899.

Places.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Antauga County.....	Feb. 24.....	.....	.....	Smallpox reported.
Calvert.....	Dec. 10-Jan. 20.....	10.....	.....	Do.
Catherina.....	Jan. 6.....	.....	.....	Several cases.
Clarke County.....	Dec. 25-Jan. 20.....	.....	2.....	Smallpox reported.
Clay County.....	Jan. 27.....	.....	.....	Do.
Collerine.....	Jan. 6.....	1.....	.....	Do.
Dallas County.....	Jan. 27.....	.....	.....	Do.
Green County.....	.....do.....	.....	.....	Do.
Hale County.....	.....do.....	.....	.....	Do.
Lowndes County.....	.....do.....	.....	.....	Do.
Marengo County.....	.....do.....	.....	.....	Do.
Mobile.....	Jan. 2-Apr. 22.....	27.....	.....	Do.
Montgomery County.....	Feb. 24.....	.....	.....	Do.
Randolph County.....	Jan. 27.....	.....	.....	Do.
Southside.....	Jan. 6.....	96.....	.....	Do.
Tallapoosa County.....	Apr. 14.....	.....	.....	Smallpox prevalent.
Washington County.....	Jan. 27.....	.....	.....	Do.
Wilcox County.....	.....do.....	.....	.....	Do.
Total for the State.....	.....	134.....	2.....	Officially reported.
Arkansas:				
Pulaski County.....	Jan. 27-Mar. 1.....	8.....	1.....	Do.
California:				
Los Angeles.....	Sept. -Mar. 25.....	83.....	14.....	Do.
Sacramento City.....	.....do.....	1.....	.....	Do.
San Diego.....	Feb. 19.....	1.....	1.....	Do.
San Francisco.....	Jan. 31.....	2.....	.....	Do.
Total for the State.....	.....	87.....	15.....	Do.
Colorado:				
Arapahoe County.....	Nov. 25-Mar. 31.....	38.....	5.....	Do.
El Paso County.....	Jan. 31.....	2.....	.....	Do.
Fremont County.....	Dec. 1-Jan. 31.....	24.....	.....	Do.
Los Animas County.....	Jan. 31.....	12.....	.....	Do.
Pueblo County.....	Dec. 17-Jan. 31.....	50.....	4.....	Do.
Total for the State.....	.....	136.....	9.....	Do.

Smallpox in the United States, etc.—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Connecticut:				
New Haven.....	Jan. 16.....	2		
District of Columbia:				
Washington.....	Jan. 21-Apr. 26....	82		
Florida:				
Columbia County.....	Mar. 1-Mar. 31....	4		Smallpox prevalent; death rate 6-7 per cent.
Jackson County.....	do.....			
Marion County.....	do.....	102		Smallpox prevalent.
Polk County.....	do.....			
St. Johns County.....	Feb. 1-Mar. 31....	64	0	
Suwanee County.....	Mar. 1-Mar. 31....	4		
Jacksonville.....	Feb. 12-Apr. 1....	13		
Key West.....	Feb. 25-Mar. 30....	9		
Pensacola.....	Jan. 14-Mar. 31....	2		
West Tampa, Hillsboro Co....	Apr. 9-Apr. 15....	2		
Total for the State.....		200		Officially reported.
Georgia:				
Jones County.....	Jan. 1-Jan. 16....	300		Do.
Savannah.....	Feb. 22-Apr. 17....	14		
Total for the State.....		314		
Illinois:				
Bethel.....	Jan. 7.....	2		Do.
Biggsville, Henderson Co.....	Mar. 7.....	1		
Cairo.....	Feb. 23-Mar. 7....	26		
Chicago.....	Mar. 10-Apr. 22....	6		
Dana, La Salle County.....	Mar. 7.....	1		
Media.....	Jan. 7.....	1		
Monmouth, Warren County...	Feb. 23.....	4		
Murphysboro, Jackson Co.....	Mar. 7.....	2		
Total for the State.....		43		
Indiana:				
Clark County.....	Mar. 1.....			Smallpox reported.
Dana.....	Feb. 8.....	1		
Daviess County.....	Mar. 1.....			Do.
Floyd County.....	Jan. 1-Mar. 30....	5	0	Do.
Greene County.....	do.....	6	0	Do.
Jefferson County.....	Mar. 1.....			Do.
Jackson County.....	Feb. 24.....	4		
Jennings County.....	Jan. 1-Mar. 30....	4	0	
Marion County.....	do.....	16	0	
Sullivan County.....	do.....	5	0	
Vanderburg County.....	Jan. 1-Mar. 30....	20	1	
Vermilion County.....	do.....	3	0	
Total for the State.....		64	1	Officially reported.
Indian Territory.....	Mar. 4.....		45	
Iowa:				
Jones County.....	Apr. 13.....	5	1	
Lee County.....	Jan. 13.....	7	1	
Wayne County.....	do.....	1		
Kansas:				
Atchison County.....	Mar. 16.....	21		Smallpox reported.
Independence County.....	Mar. 16.....			
Sumner County.....	Mar. 20.....	2		
Marion County.....	Jan. 17.....	11		
Peabody.....	Feb. 1-Feb. 16....	56	7	
Kentucky:				
Lebanon Junction.....	Apr. 19.....	8		
Louisville.....	Dec. 20-Apr. 21....	366	7	
Louisiana:				
Alexandria.....	Mar. 29.....	9		
New Orleans.....	Jan. 30-Apr. 10....	172	2	
Shreveport.....	Apr. 22.....	2		

Smallpox in the United States, etc.—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Maine:				
Auburn.....	Jan. 1-Apr. 7....	3		
Augusta.....	.....do.....	1		
Lewiston.....	.....do.....	4		
Waterville.....	.....do.....	49		
Winslow.....	.....do.....	108		
Total for the State.....		165		Officially reported.
Maryland:				
Baltimore.....	Jan. 18-Apr. 8....	13		
Cumberland.....	.....do.....	3		
Pocomoke.....	.....do.....	3		
Massachusetts:				
Boston.....	Feb. 28-Apr. 17....	5		
Michigan:				
Detroit.....	Jan. 1-Feb. 4....	14		
Kalamazoo.....	Mar. 12-Apr. 8....	8	1	
Minnesota:				
Brainerd.....	Apr. 16-Apr. 22....	1		
Minneapolis.....	Dec. 8-Apr. 15....	3	0	
St. Paul.....	Feb. 18-Apr. 15....	17	0	
Mississippi:				
Clay County.....	Jan. 27.....			Smallpox reported.
Hinds County.....	Mar. 3.....			Do.
Jackson County.....	Mar. 26-Apr. 14....	6		
Jones County.....	Jan. 27.....			Do.
Lauderdale County.....	.....do.....			Do.
Noxubee County.....	.....do.....			Do.
Perry County.....	Jan. 27-Mar. 12....	17	3	
Tishomingo County.....	Jan. 27.....			Do.
Missouri:				
Carroll County.....	Nov. 1-Apr. 6....	59	15	
Charlton County.....	.....do.....	1	0	
De Kalb County.....	.....do.....	3	0	
Macon County.....	.....do.....	1	0	
Mississippi County.....	.....do.....	1	0	
St. Louis.....	.....do.....	25	2	
Total for the State.....		90	17	Officially reported.
Montana:				
Missoula.....	Feb. 23-Mar. 9....	2		
Nebraska:				
Nebraska City.....	July 1-Dec. 8....	153		
	Dec. 9-Jan. 16....	147	3	
Omaha.....	Jan. 1-Apr. 15....	36		
Otoe and Nemaha Counties...	Jan. 1-Jan. 16....	21		
Peru.....	Jan. 2.....	5		
Plattsmouth.....	Dec. 10.....	1		
Tecumseh.....	Jan. 2.....	9		
Total for the State.....		372	3	Do.
New Jersey:				
Jersey City.....	Dec. 5-Jan. 22....	6		
New York:				
Buffalo.....	Mar. 15-Apr. 20....	2		
Elmira.....	Mar. 18-Mar. 25....	1		
New York.....	Jan. 7-Apr. 24....	12	4	
Dunkirk.....	Jan. 8-Jan. 21....	5		
North Carolina:				
Alamance County.....	Feb. 1-Feb. 28....	3		
Beaufort Co. (Washington)...	Apr. 8.....	2		
Bertie County.....	Feb. 1-Mar. 23....	8		
Burlington, Franklin County..	Mar. 1.....	3	1	
Chowan County.....	Feb. 16.....	2		
Columbus County.....	Feb. 1-Feb. 28....	3		
Craven County.....	Apr. 6.....	1		
Currituck County.....	Feb. 1-Feb. 28....	2		
Edgecombe County.....	Feb. 1.....	24		
Gates County.....	.....do.....	1		
Halifax County.....	Feb. 1-Feb. 28....	8		
Johnston County.....	.....do.....	1		

Smallpox in the United States, etc.—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Northampton County.....	Jan. 12-Feb. 23.....	6	.....
McDowell County.....	Feb. 1-Feb. 25.....	2	.....
Pasquotank County.....	.....do.....	15	.....
Perquimans County.....	.....do.....	1	.....
Wake County.....	.....do.....	1	.....
Wilmington.....	Feb. 3.....	1	.....
Wilson County.....	Feb. 1-Feb. 28.....	1	.....
Total for the State		83	1	Officially reported.
Ohio:				
Brooklyn.....	Feb. 7-Feb. 27.....	1	.....
Cincinnati.....	Jan. 23-Apr. 7.....	225	5	
Cleveland.....	Dec. 25-Apr. 1.....	102	1	
Columbus.....	Feb. 7-Feb. 27.....	71	.....
Dialton.....	.....do.....	1	.....
Franklin.....	.....do.....	2	.....
Gallipolis.....	Feb. 26.....	2	.....
Sandusky.....	Feb. 7-Feb. 27.....	2	.....
Shenandoah.....	.....do.....	1	.....
South Charleston.....	.....do.....	1	.....
Sunbury.....	.....do.....	3	.....
Toledo.....	.....do.....	1	.....
Wellington.....	.....do.....	1	.....
Willoughby.....	.....do.....	1	.....
Total for the State		387	5	Do.
Oklahoma:				
Chandler.....	Dec. 30.....	1	.....
Doggett.....	.....do.....	1	.....
Lincoln County.....	Nov. 30-Jan. 30.....	32	10	
Parkland.....	Dec. 30.....	1	.....
Sac and Fox Agency.....	.....do.....	2	.....
Stroud.....	.....do.....	.....	3	
Total for the State		37	13	
Pennsylvania:				
Allegheny County.....	Feb. 11-Apr. 12.....	9	.....
Ball Hill.....	Dec. 31-Jan. 23.....	1	.....
Beaver County.....	Mar. 12-Mar. 30.....	1	.....
Bedford County.....	Dec. 31-Mar. 30.....	21	.....
Blair County.....	Jan. 1-Apr. 22.....	25	.....
Brumbaugh.....	Dec. 31-Mar. 30.....	2	.....
Cambria County.....	Mar. 30-Apr. 22.....	13	.....
Charlesville.....	Dec. 31.....	15	.....
Claysburg.....	Dec. 31-Jan. 23.....	1	.....
East Vincent Township.....	Dec. 31.....	1	.....
Everett.....	.....do.....	3	.....
Fayette County.....	Mar. 12-Apr. 12.....	23	.....
Fulton County.....	Feb. 11-Mar. 11.....	1	.....
Homer City.....	Dec. 31.....	2	.....
Hopewell.....	.....do.....	3	.....
Huntingdon County.....	Feb. 11-Mar. 11.....	5	.....
Hustontown.....	Dec. 31.....	4	.....
New Granada.....	.....do.....	7	.....
Philadelphia.....	Dec. 31-Feb. 11.....	10	.....
Pittsburg.....	Dec. 31-Feb. 25.....	2	.....
Pottstown.....	Feb. 5-Feb. 11.....	1	.....
Somerset County.....	Feb. 11-Apr. 12.....	50	.....
Steelton.....	Dec. 31-Feb. 5.....	11	.....
Waterfall.....	.....do.....	1	.....
Washington County.....	Mar. 30-Apr. 12.....	1	.....
Total for the State		201		Smallpox reported.
Porto Rico:				
Ponce.....	Jan. 17-Mar. 17.....	451	.....
San Juan.....	Mar. 6.....	3	.....
Rhode Island:				
Providence.....	Feb. 21-Apr. 21.....	3	.....
South Carolina:				
Aiken County.....	Apr. 16.....	3	.....
Beaufort County.....	Apr. 16.....	2	.....
Clarendon County.....	Apr. 16.....	1	.....
Edgefield County.....	Jan. 1-Apr. 16.....	100	10	
Horry County.....	Mar. 1-Mar. 31.....	18	0	
Swinton County.....	Apr. 16.....	2	.....
Total for the State		126	10	

Smallpox in the United States, etc.—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Tennessee:				
Dyersburg.....	Mar. 24.....	8		
Grover, Madison County.....	Feb. 18-Mar. 11.....	12		
Hardeman County.....	Mar. 1-Mar. 11.....	1		
Jackson.....	Feb. 18-Mar. 27.....	52		
Memphis.....	do.....	36		
Pinson, Madison County.....	do.....	1		
Union City, Obion County.....	Mar. 3-Mar. 11.....	7		
Total for the State.....		123		Officially reported.
Texas:				
Alice, Nueces County.....	Feb. 20.....	20		
Brownsville.....	Jan. 7-Apr. 8.....	3		
Bryan.....	Jan. 29-Mar. 11.....	24		
Dallas.....	Feb. 1-Mar. 28.....	52	15	
Del Rio, Kinney County.....	Apr. 15.....	1		
El Paso.....	Aug. 1-Dec. 31.....	45		Year 1898.
Fort Bliss.....	Jan. 1-Jan. 18.....	21		
Galveston.....	Mar. 12.....	1		
Galveston.....	Mar. 14-Apr. 15.....	17	2	
Laredo.....	Jan. 1-Apr. 15.....	678	126	
San Rafael.....	Jan. 29.....	4		
Zapata County.....	Mar. 13.....	2		
Total for the State.....		866	143	Officially reported.
Virginia:				
Alexandria.....	Jan. 4-Apr. 15.....	303	2	
Hampton.....	Feb. 15.....	6		
Lynchburg.....	Mar. 5-Mar. 11.....	1	1	
Newport News.....	Dec. 31-Apr. 24.....	641		
Norfolk.....	Sept. 19-Apr. 24.....	731	10	
Petersburg.....	Mar. 6-Mar. 12.....	1		
Portsmouth.....	Dec. 31-Apr. 24.....	257	3	
Richmond.....	Jan. 25-Mar. 12.....	8		
Total for the State.....		1,948	16	Do.
Washington:				
Spokane.....	Feb. 27-Apr. 15.....	4		
Wisconsin:				
Calumet County.....	Feb. 16.....	1		
Harrison County.....	Feb. 20.....	1		
Milwaukee.....	Apr. 24.....	3		
Outagamie County.....	Feb. 7-Mar. 20.....	15	2	
Total for the State.....		20	2	Do.
Wyoming:				
Cheyenne.....	Mar. 5-Mar. 26.....	5		
Rock Springs.....	Dec. 24.....	1		

PORTO RICO.

*Smallpox condition in Ponce.*PONCE, PORTO RICO, *April 1, 1899.*

SIR: I have the honor to make the following weekly report, as directed:

The smallpox situation is practically unchanged since my last report. The general vaccination begun, as reported, several days ago, continues steadily.

My bills of health next week will state that smallpox prevails in the surrounding country with only one case in the port of Ponce during the last two weeks.

Respectfully, yours,

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

*Deaths in San Juan, Porto Rico, during March, 1899.*SAN JUAN, PORTO RICO, *April 6, 1899.*

Diseases.	Deaths.	Diseases.	Deaths.
Pulmonalis tuberculosis	11	Gastric fever.....	1
Caseous pneumonia.....	1	Gastro-enteritis.....	8
Acute bronchitis.....	4	Malarial cachexia.....	2
Rachitis	4	Acute mielitis.....	1
Tetanus infantum.....	2	Traumatic tetanus.....	2
Old age.....	3	Cardiac stenosis.....	1
Typhus-malaria.....	1	Poisoning (self destruction).....	1
Congestion of lungs.....	1	Chronic nephritis	1
Tabes mesenteric.....	1	Pernicious malarial fever—cerebral form.....	1
Carcinoma of stomach	1	Phlegmonous erysipelas.....	1
Intestinal colic.....	1	Bronchial pneumonia (grippe).....	1
Congestion of the brain.....	1	Aortic aneurism.....	1
Anæmia, malarial.....	1		
Hepatic cirrhosis.....	2		
Entero-colitis.....	4	Total number of deaths during month from all causes.....	67
Mitral insufficiency	8		

Respectfully submitted,

A. H. GLENNAN,

Surgeon, U. S. M. H. S., Sanitary Inspector of Porto Rico.

The SUPERVISING SURGEON-GENERAL,

U. S. Marine-Hospital Service.

Report of immigration at Boston for the week ended April 15, 1899.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of Boston, April 16, 1899.

Number of alien immigrants who arrived at this port during the week ended April 15, 1899; also names of vessels and ports from which they came.

Date.	Vessel.	Where from.	No. of immigrants.
Apr. 9	Steamship Buenos Ayrean.....	Glasgow, Scotland.....	16
Do.....	Steamship Catalonia.....	Liverpool, England.....	178
Do.....	Steamship Parthenia.....	Liverpool, Nova Scotia.....	52
Do.....	Steamship Boston.....	Yarmouth, Nova Scotia.....	121
Apr. 10	Steamship Beverly.....	Port Morant, Jamaica.....	11
Do.....	Steamship Ottoman.....	Liverpool, England.....	26
Apr. 11	Steamship Prince George.....	Yarmouth, Nova Scotia.....	60
Do.....	Schooner Emma E. Potter.....	Clemensport, Nova Scotia.....	1
Apr. 12	Steamship Chicago.....	London, England.....	38
Do.....	Steamship Admiral Schley.....	Port Morant, Jamaica.....	8
Do.....	Steamship Oakmore.....	London, England.....	14
Do.....	Steamship Cestrian.....	Liverpool, England.....	26
Apr. 13	Steamship Halifax.....	Halifax, Nova Scotia.....	117
Do.....	Steamship Boston.....	Yarmouth, Nova Scotia.....	131
Apr. 14	Steamship Prince George.....	do.....	47
Do.....	Steamship Cambrian.....	London, England.....	10
Apr. 15	Steamship Canada.....	Liverpool, England.....	421
Do.....	Steamship Pro Patria.....	St. Pierre, Miquelon.....	1
Do.....	Steamship Hindoo.....	Hull, England.....	3
Do.....	Steamship Cambrian King.....	Antwerp, Belgium.....	2
	Total.....		1,283

GEORGE B. BILLINGS,
Commissioner.

Report of immigration at Boston for the week ended April 22, 1899.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of Boston, April 22, 1899.

Number of alien immigrants who arrived at this port during the week ended April 22, 1899; also names of vessels and ports from which they came.

Date.	Vessel.	Where from.	No. of immigrants.
Apr. 16	Steamship Kansas.....	Liverpool, England.....	19
Do.....	Steamship Boston.....	Yarmouth, Nova Scotia.....	139
Apr. 17	Steamship Admiral Sampson.....	Port Morant, Jamaica.....	7
Do.....	Steamship Ultonia.....	Liverpool, England.....	517
Apr. 18	Steamship Prince George.....	Yarmouth, Nova Scotia.....	42
Apr. 19	Steamship Bay State.....	Liverpool, England.....	38
Do.....	Steamship Philadelphian.....	do.....	13
Apr. 20	Steamship Admiral Farragut.....	Port Morant, Jamaica.....	4
Do.....	Steamship Halifax.....	Halifax, Nova Scotia.....	186
Do.....	Steamship Boston.....	Yarmouth, Nova Scotia.....	124
Do.....	Steamship Columbia.....	London, England.....	27
Apr. 21	Steamship Prince George.....	Yarmouth, Nova Scotia.....	42
Do.....	Steamship Lycia.....	Avonmouth, England.....	15
Apr. 22	Steamship Assyrian.....	Glasgow, Scotland.....	155
	Total.....		1,278

GEORGE B. BILLINGS,
Commissioner.

Report of immigration at New York for the week ended April 15, 1899.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of New York, April 18, 1899.

*Number of alien immigrants who arrived at this port during the week ended April 15, 1899;
 also names of vessels and ports from which they came.*

Date.	Vessels.	Where from.	No. of immigrants.
Apr. 9	Steamship St. Louis.....	Southampton	178
Do....	Steamship Phœnicia.....	Hamburg	989
Apr. 10	Steamship La Bretagne.....	Havre.....	360
Do....	Steamship Norge	Copenhagen, etc.....	168
Do....	Steamship Riruria.....	Liverpool and Queenstown	178
Do....	Steamship Statendam.....	Rotterdam.....	197
Apr. 11	Steamship Alesia	Naples.....	552
Apr. 12.	Steamship Saale	Genoa and Naples.....	762
Apr. 13.	Steamship Westernland	Antwerp.....	168
Do....	Steamship Teutonic.....	Liverpool and Queenstown	952
Do....	Steamship Koenigin Luise	Bremen.....	1,008
Apr. 14	Steamship Buffon.....	Rio de Janeiro and St. Lucia.....	12
Apr. 15	Steamship Campania.....	Liverpool and Queenstown.....	751
Do....	Steamship Peninsular.....	Lisbon and The Azores.....	326
Do....	Steamship Graf Waldersee	Hamburg.....	786
	Total.....	.....	7,382

THOMAS FITCHIE,
Commissioner.

AND INSPECTION STATIONS.

Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
			No transactions.....	
Brunswick.....	Disinfected and held.....	Apr. 19	No report..... Am. ss. Wm. Neely, from Havana, passed on certificate of sanitary inspector at Havana.	6
St. Simons.....	In process of disinfection.....		No report.....	
			do.....	8
			No report.....	
			No transactions.....	1
Handsboro.....	Disinfected and held.....	Apr. 9		
Ship Island.....	do.....	do.....		4
do.....	do.....			
Pascagoula.....	do.....	Apr. 14		
Pascagoula.....	Disinfected and held.....	do.....		
Ship Island.....	Held for disinfection.....			
Pascagoula.....	Disinfected and held.....			
do.....	do.....			
Ship Island.....	do.....			
do.....	Held for disinfection.....			
Pascagoula.....	Disinfected and held.....			
do.....	do.....			
Ship Island.....	Held for disinfection.....		No report.....	
			No transactions.....	7
				5
St. Domingo.....	Held in quarantine till departure.	Apr. 3	Held no communication, and was not boarded.	2
				5
				9
Philadelphia.....	Held for disinfection.....		1 case smallpox.....	14
				3
			Bodies of 3 officers U. S. Army on U. S. transport Morgan City, from Manila. Asiatic crew and steerage passengers on Br. ss. Tartar bathed and baggage, etc., and quarters disinfected. 144 Chinese and 32 Japanese steerage passengers on Am. ss. Rio de Janeiro bathed and clothing and baggage disinfected with steam or formalin.	21
			No report.....	
				12
Savannah.....	Disinfected vessel and crew	Apr. 12		
do.....	Disinfected and held. Burned fore-castle mattresses and pillows.		Recommended removal of fixed ballast and substitution of pig iron ballast.	2
do.....	Disinfected vessel and crew. Remanded to Savannah Quarantine for detention.			
Savannah.....	Held for disinfection; completed except for washing down with bichloride.			
Key West.....	Disinfected.....	Apr. 9		
Brunswick.....	do.....	Apr. 15		
Mobile.....	do.....	Apr. 14		
do.....	Disinfected and held for observation.		U. S. transport Logan left without treatment or discharge of baggage or passengers on account of bad weather.	
			No transactions.....	

REPORTS FROM STATE AND

Name of station.	Week ended.	Name of vessel.	Date of arrival	Port of departure.
Anclote, Fla.....	Apr. 22	.....	.....	.....
Baltimore, Md.....	do.....	.....	.....	.....
Bangor, Me.....	do.....	.....	.....	.....
Boston, Mass.....	do.....	.....	.....	.....
Cedar Keys, Fla.....	Apr. 15	.....	.....	.....
Charleston, S. C.....	do.....	.....	.....	.....
Elizabeth River, Va.....	Apr. 22	.....	.....	.....
Galveston, Tex.....	Apr. 15	Fr. ss. Carolina.....	Apr. 12	Rio.....
		Nor. ss. Truma.....	Apr. 15	Progreso.....
Gardiner, Oreg.....	do.....	.....	.....	.....
Key West, Monroe County, Fla.....	Apr. 22	.....	.....	.....
Los Angeles, Cal.....	Apr. 15	.....	.....	.....
Mayfort, Fla.....	do.....	Dutch sc. Marie Corelli ..	Apr. 11	St. Thomas.....
	Apr. 22	.....do.....	do.....	do.....
Mobile, Ala.....	Apr. 15	Rus. bk. Mercator (a).....	Apr. 2	Demerara.....
		Br. sc. Sirocco (a).....	do.....	Havana.....
		Br. ss. Tyrian (a).....	Apr. 3	Cardenas.....
		Br. sc. Iolanthe (a).....	do.....	Cienfuegos.....
		It. bk. Angela Casanova ..	Apr. 13	Montevideo.....
New Bedford, Mass.....	Apr. 22	.....	.....	.....
New Orleans, La.....	do.....	.....	.....	.....
Newport News, Va.....	do.....	.....	.....	.....
Newport, R. I.....	do.....	.....	.....	.....
New York, N. Y.....	do.....	.....	.....	.....
Providence, R. I.....	do.....	.....	.....	.....
Round Island, Miss.....	do.....	.....	.....	.....
St. Helena Entrance, S. C.....	do.....	.....	.....	.....
San Pedro, Cal.....	Apr. 15	.....	.....	.....
Savannah, Ga.....	do.....	Nor. bk. Stanley (a).....	Mar. 26	Rio.....
		Am. st. yacht Eleanor.(a)	Apr. 4	Havana.....
		U. S. transport Dixie (a)	Apr. 7	Casilda via Sapelo
		U. S. transport City of San Antonio. (a)	Apr. 8	Havana.....
		U. S. transport Havana...	Apr. 10	Havana.....
		U. S. transport Florida...	Apr. 11	Matanzas.....
		U. S. transport Kilpatrick.	do.....	do.....
Tampa Bay, Fla.....	do.....	U. S. transport Logan.....	Apr. 12	Havana.....

a Previously reported.

MUNICIPAL QUARANTINE STATIONS.

Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
			No report.....	8
			do.....	
			do.....	
				20
				2
				2
				11
Galveston.....	Fumigated and held.....			14
do.....	do.....		No report.....	
			No transactions.....	8
Jacksonville.....	Held for fumigation.....			8
do.....	do.....	Apr. 18		7
Mobile.....	Ballast discharged, vessel disinfected and held.....	Apr. 12		23
do.....	Disinfected and held.....	Apr. 10		
do.....	do.....	do.....		
do.....	do.....	do.....		
do.....	Held for disinfection.....		No report.....	
			do.....	
			No report.....	9
			do.....	
			No transactions.....	
				8
			No report.....	
			do.....	
Savannah.....	Disinfected and held.....	Apr. 10		9
Savannah.....	Living apartments formaldehyded and vessel detained 3 days.	Apr. 9		
Savannah.....	Soldiers detained 5 days after disinfection of baggage, etc. Vessel remanded to Sapelo.		Two suspicious cases. One death, probably yellow fever.	
Savannah quarantine.	Soldiers detained 5 days after disinfection of baggage, etc. Vessel remanded to Sapelo. Vessel released for Havana without pratique.	do.....		
Savannah.....	Soldiers detained 5 days after disinfection of baggage, etc. Vessel released for Havana without pratique.	Apr. 10		
do.....	Soldiers detained 5 days after disinfection of baggage, etc. Vessel remanded to Sapelo for disinfection.			
do.....	do.....			
do.....	do.....			
				7

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

ALABAMA—Montgomery.—Month of January, 1899. Census population, 21,883. Total number of deaths, 50.

Month of February. Total number of deaths, 30.

Month of March. Total number of deaths, 50.

FLORIDA.—Reports to the State board of health for the month of February, 1899, from 45 counties having an aggregate population of 464,639, show a total of 316 deaths, including diphtheria, 2; enteric fever, 4; measles, 9; influenza, 9; scarlet fever, 2; whooping cough, 1, and 37 from phthisis pulmonalis.

ILLINOIS—Chicago.—Month of March, 1899. Estimated population, 1,650,000. Total number of deaths, 2,343, including diphtheria, 55; enteric fever, 18; influenza, 63; measles, 6; scarlet fever, 68; whooping cough, 5, and 226 from phthisis pulmonalis.

During the week ended April 15, 1899, 6 certificates were returned giving influenza and its complications, chiefly chronic diseases, as the cause thereof, 9 giving diphtheria as the cause, 58 cases being reported, and 16 giving scarlet fever as the cause, 143 cases being reported.

MAINE—Portland.—Four weeks ended April 15, 1899. Estimated population, 50,000. Total number of deaths, 72, including enteric fever, 1, and 3 from phthisis pulmonalis.

MASSACHUSETTS—Fitchburg.—Month of March, 1899. Estimated population 29,438. Total number of deaths, 37, including cerebrospinal meningitis, 2; influenza, 2; measles, 1, and 2 from phthisis pulmonalis.

North Attleboro.—Month of January, 1899. Census population, 6,727. Total number of deaths, 13, including 1 death from phthisis pulmonalis.

Month of February. Total number of deaths, 14, including diphtheria, 1, and 1 from phthisis pulmonalis.

MICHIGAN.—Reports to the State board of health, Lansing, for the week ended April 15, 1899, from 67 observers, indicate that no disease showed a marked increase or decrease during the week. Phthisis pulmonalis was reported present at 133, measles at 58, scarlet fever at 42, diphtheria at 17, enteric fever at 16, whooping cough at 12, and smallpox at 5 places.

Grand Rapids.—Month of March, 1899. Estimated population, 90,000. Total number of deaths, 145, including diphtheria, 2; enteric fever, 3, and 13 from phthisis pulmonalis.

NEW YORK—Auburn.—Month of March, 1899. Estimated population, 30,000. Total number of deaths, 57, including diphtheria, 1, and 2 from phthisis pulmonalis.

OHIO—Cleveland.—Month of March, 1899. Estimated population, 395,000. Total number of deaths, 501, including diphtheria, 6; enteric fever, 15; influenza, 6; scarlet fever, 4; smallpox, 1, and 18 from phthisis pulmonalis.

WASHINGTON—Seattle.—Month of March, 1899. Estimated population, 75,000. Total number of deaths, 60, including enteric fever, 2, and 4 from phthisis pulmonalis.

Tacoma.—Month of March, 1899. Estimated population, 50,000. Total number of deaths, 38, including 5 from phthisis pulmonalis.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—												
				Pneumonia.	Yellow fever.	Smallpox.	Varioloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.		
Allegheny, Pa.	Apr. 15	105,287	41	2						1						
Do	Apr. 21	105,287	36	3						1						
Allentown, Pa	Apr. 8	25,228	4								1					
Do	Apr. 15	25,228	11								1	1				
Aurora, Ill.	Apr. 8	19,688	5	1						1						
Do	Apr. 15	19,688	9	2												
Baltimore, Md.	Apr. 22	434,439	203	21						3	2	1	1			
Baton Rouge, La.	do	10,478	5	1												
Bay City, Mich.	do	27,839	10	1												
Biddeford, Me	Apr. 15	14,443	6	1												1
Do	Apr. 22	14,443	10													1
Binghamton, N. Y.	Apr. 15	35,005	15													
Do	Apr. 22	35,005	17	2												
Boston, Mass.	do	448,477	211	22						2	2	4	2			
Bridgeport, Conn.	do	48,866	20	1												1
Bristol, R. I.	Apr. 15	5,478	1													
Brockton, Mass.	do	27,294	15	2												1
Butler, Pa.	Apr. 4	8,734	0													
Do	Apr. 11	8,734	7													
Cambridge, Mass.	Apr. 15	70,028	22	4												1
Camden, N. J.	do	58,313	29													
Do	Apr. 22	58,313	23													
Charleston, S. C.	Apr. 15	54,955	33	2						1						
Chelsea, Mass.	do	27,909	11	1												
Chicago, Ill.	Apr. 22	1,099,500	564	51						11	24	10	6	1		
Chillicothe, Ohio.	do	11,288	6	2												
Cleveland, Ohio.	do	261,353	3	2						6		1				
Dayton, Ohio.	do	61,220	22	1												
Decatur, Ill.	Apr. 8	16,841	10	8									1			
Do	Apr. 15	16,841	4	1												
Detroit, Mich.	Apr. 22	206,876	125	8												
Dubois, Pa.	Apr. 8	6,149	4													
Do	Apr. 15	6,149	4													
Dunkirk, N. Y.	do	9,416	4													
Dunmore, Pa.	do	8,315	4													
Erie, Pa.	Apr. 22	40,634	21	1						1						
Evansville, Ind.	do	50,756	24	3						2						
Everett, Mass.	Apr. 15	11,068	11	1												
Fall River, Mass.	do	74,398	41	4												5
Do	Apr. 22	74,398	36	7												1
Fitchburg, Mass.	Apr. 15	22,037	8	1									2			
Grand Rapids, Mich.	Apr. 11	60,278	15	1												
Do	Apr. 22	60,278	20	1												
Green Bay, Wis.	do	9,069	6													
Greenville, S. C.	Apr. 8	8,807	1	1												
Do	Apr. 15	8,807	2													
Hannibal, Mo.	Mar. 25	12,857	4													
Do	Apr. 1	12,857	5													
Do	Apr. 8	12,857	2										1			
Do	Apr. 15	12,857	5													
Hoboken, N. J.	do	43,648	22	1						1						
Do	Apr. 22	43,648	27	5												
Holyoke, Mass.	do	35,637	12	2												
Jersey City, N. J.	Apr. 16	163,003	80	14						2	3	4		1		
Do	Apr. 22	163,003	62	7								1				
Johnstown, Pa.	do	21,805	11	3												
La Crosse, Wis.	Apr. 15	25,090	75													
Lancaster, Pa.	do	32,011	36	2						2						
Lansingburg, N. Y.	Apr. 22	10,550	3													
Lawrence, Mass.	Apr. 15	44,654	36	1						1	1	1	1	1		
Los Angeles, Cal.	do	50,395	32	4		3										
Louisville, Ky.	Apr. 20	161,129	80	10		1				2		1				
Lowell, Mass.	Apr. 22	77,696	40	6						1		1	1	1		
Lynchburg, Va.	do	19,709	7	2												
McKeesport, Pa.	Apr. 15	20,741	13													
Mahanoy City, Pa.	do	11,286	1													
Do	Apr. 22	11,286	3													
Malden, Mass.	Apr. 15	23,031	9	1										1		
Do	Apr. 22	23,031	14	1								1				
Manchester, N. H.	do	44,126	19	1						1						
Massillon, Ohio.	do	10,092	1													
Medford, Mass.	do	11,079	4													

α Estimated population, 65,165—white, 28,870; colored, 36,295. β White, 13; colored, 20.

MORTALITY TABLE, CITIES OF THE UNITED STATES—Continued.

Cities.	Week ended.	Population U. S. census of 1890.	Total deaths from all causes.	Deaths from—										
				Pneumonia.	Yellow fever.	Smallpox.	Varioloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Milwaukee, Wis.	Apr. 15	204,468	80	8								1		1
Do.	Apr. 22	204,468	81	8									2	
Minneapolis, Minn.	Apr. 15	164,738	48	9						1	1	2		
Do.	Apr. 22	164,738	56	8									1	
Mobile, Ala.	do	31,076	22	3										
Nashville, Tenn.	do	76,168	49	8						2				
New Bedford, Mass.	do	40,733	16	2										
New Brunswick, N. J.	do	18,603	2											
Newburyport, Mass.	Apr. 15	13,947	8	2						1				
Newport, R. I.	do	19,457	3											
Newton, Mass.	do	24,379	9	5										
Do.	Apr. 22	24,379	8	1										
New York City, N. Y.	Apr. 15	a 3,550,063	1,298	173						4	4	39	12	9
Do.	Apr. 22	3,550,063	1,256	141		1				7	16	26	16	9
North Adams, Mass.	do	16,074	10	3										
Omaha, Nebr.	Apr. 15	140,452	23											
Oneonta, N. Y.	do	6,272	8	1										
Do.	Apr. 22	6,272	2											
Philadelphia, Pa.	do	1,046,964	506	63						29	1	15	1	1
Pittsburg, Pa.	do	238,617	105	10						5		1	3	1
Pittsfield, Mass.	do	17,281	9	1										
Pittstown, Pa.	do	10,302	3											
Plainfield, N. J.	Apr. 15	11,267	6											
Do.	Apr. 22	11,267	5							1				
Port Huron, Mich.	Apr. 15	13,543	9											
Do.	Apr. 22	13,543	5	1										
Portland, Me.	do	36,425	16	1								2		
Pottstown, Pa.	Apr. 15	13,285	7	1						1		1		
Do.	Apr. 22	13,285	3											
Portsmouth, Va.	do	13,268	5											
Providence, R. I.	do	132,146	70	6								2		
Reading, Pa.	Apr. 17	58,661	23											
Do.	Apr. 24	58,661	23	3								1		
Richmond, Ind.	Apr. 15	16,608	6	1										
Do.	Apr. 22	16,608	2											
Salt Lake City, Utah	Apr. 15	44,843	11	2										
Do.	Apr. 22	44,843	12											
San Diego, Cal.	Apr. 15	16,159	3	1										
San Jose, Cal.	do	18,060	3	1										
Santa Barbara, Cal.	do	5,864	1											
Shreveport, La.	do	11,979	6	2										
Somerville, Mass.	Apr. 22	40,152	17	1										
Spokane, Wash.	Apr. 15	19,922	11	2						1				
Steelton, Pa.	Apr. 22	9,250	5											
Tacoma, Wash.	Apr. 8	36,006	7	2										
Do.	Apr. 15	36,006	7											
Waltham, Mass.	Apr. 22	18,707	3											
Warren, Ohio	do	5,973	1											
Washington, D. C.	Apr. 8	230,392	18							2		3		1
Do.	Apr. 15	230,392	11							3	1			
West Tampa, Fla	do	4,000	0											
Wheeling, W. Va.	do	35,013	15	1									1	
Wichita, Kans	Apr. 22	23,853	8	1						2				
Wilmington, Del.	do	61,431	19	4										
Winona, Minn.	Apr. 8	18,203	7							1				
Do.	Apr. 15	18,208	7	1										
Worcester, Mass.	Apr. 7	84,655	29	1								1		
Do.	Apr. 14	84,655	29	8						1			1	
Yonkers, N. Y.	Apr. 21	32,033	2											
Youngstown, Ohio	Apr. 15	33,220	14							3				
Do.	Apr. 22	33,220	12											

aEstimated.

Table of temperature and rainfall, week ended April 23, 1899.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
Atlantic Coast:						
Eastport, Me.....	41	3		.63		.63
Portland, Me.....	46	2		.70		.60
Northfield, Vt.....	43	0		.52		.42
Boston, Mass.....	48	2		.77		.77
Vineyard Haven, Mass.....	48	0		.58		.08
Nantucket, Mass.....	45	1		.81		.64
Woods Hole, Mass.....	45	1		.91		.61
Block Island, R. I.....	46	0		.77		.67
New Haven, Conn.....	49	1		.77		.67
Albany, N. Y.....	49	5		.59		.59
New York, N. Y.....	51	1		.77		.77
Harrisburg, Pa.....	53	5		.82		.82
Philadelphia, Pa.....	53	3		.70		.70
New Brunswick, N. J.....	54	0		.74		.74
Atlantic City, N. J.....	49	0		.74		.74
Baltimore, Md.....	55	3		.77		.77
Washington, D. C.....	55	3		.74		.74
Lynchburg, Va.....	58	2		.77		.77
Cape Henry, Va.....	56		2	1.02		1.02
Norfolk, Va.....	57	1		.91		.91
Charlotte, N. C.....	62	0		.78		.78
Raleigh, N. C.....	60	0		.58		.48
Kittyhawk, N. C.....	58		4	.98		.48
Hatteras, N. C.....	58	0		1.05	.15	
Wilmington, N. C.....	63		5	.66	1.34	
Columbia, S. C.....	65		1	.61		.51
Charleston, S. C.....	66		2	.84	.56	
Augusta, Ga.....	66		2	.75		.65
Savannah, Ga.....	68		4	.83		.33
Jacksonville, Fla.....	70		2	.64	1.96	
Jupiter, Fla.....	73	0		.57	1.33	
Key West, Fla.....	77		1	.28	1.12	
Gulf States:						
Atlanta, Ga.....	64	0		.78		.28
Tampa, Fla.....	72	0		.40	1.60	
Pensacola, Fla.....	70		2	.76		.56
Mobile, Ala.....	69		1	.98		.68
Montgomery, Ala.....	67		1	1.06	.84	
Vicksburg, Miss.....	68		2	1.36		1.06
New Orleans, La.....	70		2	1.19		.09
Shreveport, La.....	67		3	1.24		.54
Fort Smith, Ark.....	62	0		1.30	1.10	
Little Rock, Ark.....	64	0		1.16	.64	
Palestine, Tex.....	67		3	1.12		.22
Galveston, Tex.....	70		4	.70		.20
San Antonio, Tex.....	71		3	.73	.57	
Corpus Christi, Tex.....	72		4	.35	.95	
Ohio Valley and Tennessee:						
Memphis, Tenn.....	63	5		1.26		.86
Nashville, Tenn.....	62	4		1.12	.28	
Chattanooga, Tenn.....	63	1		1.00	3.20	
Knoxville, Tenn.....	60	4		1.15		.95
Louisville, Ky.....	58	8		1.01	.69	
Indianapolis, Ind.....	55	9		.91		.21
Cincinnati, Ohio.....	56	10		.77		.67
Columbus, Ohio.....	54	12		.77		.57
Parkersburg, W. Va.....	56	10		.79		.79
Pittsburg, Pa.....	53	13		.67		.67
Lake Region:						
Oswego, N. Y.....	45	7		.49		.39
Rochester, N. Y.....	47	7		.58		.58
Buffalo, N. Y.....	44	12		.59		.59
Erie, Pa.....	47	7		.57		.47
Cleveland, Ohio.....	48	10		.52		.52
Sandusky, Ohio.....	51	3		.59		.59
Toledo, Ohio.....	50	8		.52		.32
Detroit, Mich.....	48	8		.53		.33
Lansing, Mich.....	50	8		.56		.26
Port Huron, Mich.....	45	7		.52		.32
Alpena, Mich.....	40	2		.54	.06	
Sault Ste. Marie, Mich.....	41	3		.40	.20	
Marquette, Mich.....	40	4		.49		.29
Green Bay, Wis.....	45	5		.51		.41

a The figures in these columns represent the average daily departure.

Table of temperature and rainfall, week ended April 23, 1899—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	^a Excess.	^a Deficiency.	Normal.	Excess.	Deficiency.
Lake Region—Continued.						
Grand Haven, Mich.....	46	8		.63		.53
Milwaukee, Wis.....	45	7		.70		.70
Chicago, Ill.....	47	5		.72		.62
Duluth, Minn.....	40		0	.60		.10
Upper Mississippi Valley:						
St. Paul, Minn.....	49	3		.63		.53
La Crosse, Wis.....	50	4		.56		.36
Dubuque, Iowa.....	51	3		.66	.14	
Davenport, Iowa.....	52	4		.68	.12	
Des Moines, Iowa.....	53		1	.72		.62
Keokuk, Iowa.....	55	3		.84		.14
Hannibal, Mo.....	55	3		.57	.63	
Springfield, Ill.....	55	7		.92		.22
Cairo, Ill.....	61	3		.91	.29	
St. Louis, Mo.....	58	4		.91	.39	
Missouri Valley:						
Columbia, Mo.....	58		2	1.13	.57	
Springfield, Mo.....	58		2	.94	2.16	
Kansas City, Mo.....	56		0	.71	1.39	
Topeka, Kans.....	60		4	.60	.80	
Wichita, Kans.....	58			.56		.16
Concordia, Kans.....	56		3	.52		.52
Lincoln, Nebr.....	54		2	.63		.63
Omaha, Nebr.....	53		1	.81		.71
Sioux City, Iowa.....	53		3	.77		.47
Yankton, S. Dak.....	50		2	.75		.55
Valentine, Nebr.....	49		1	.70		.70
Huron, S. Dak.....	49		3	.70		.50
Pierre, S. Dak.....	53		5	.49		.49
Moorhead, Minn.....	46		2	.56		.16
Bismarck, N. Dak.....	46		4	.58	.52	
Williston, N. Dak.....	46		4	.38	.02	
Rocky Mountain Region:						
Havre, Mont.....	47		3	.21	.09	
Helena, Mont.....	45		5	.28	.32	
Miles City, Mont.....	49			.28	.42	
Rapid City, S. Dak.....	49		3	.58		.58
Spokane, Wash.....	50		4	.35		.15
Walla Walla, Wash.....	56		6	.35		.15
Baker City, Oreg.....	48		6	.28	.02	
Winnemucca, Nev.....	47		1	.21		.21
Idaho Falls, Idaho.....	46		2	.35		.25
Salt Lake City, Utah.....	50	2		.49		.39
Lander, Wyo.....	44	2		.59		.59
Cheyenne, Wyo.....	41	3		.35		.35
North Platte, Nebr.....	51		3	.56		.56
Denver, Colo.....	47	3		.53		.53
Pueblo, Colo.....	50		0	.39		.39
Dodge City, Kans.....	55		3	.41		.41
Oklahoma, Okla.....	62			.72	2.18	
Amarillo, Tex.....	57		3	.24		.24
Abilene, Tex.....	65		5	.71	.39	
Santa Fe, N. Mex.....	47	1		.20		.20
El Paso, Tex.....	64		0	.04		.04
Phoenix, Ariz.....	68	4		.07		.07
Pacific Coast:						
Seattle, Wash.....	50		2	.75		.45
Tacoma, Wash.....	49		1	.78		.38
Fort Canby, Wash.....	49		1	1.26		.56
Portland, Oreg.....	53		5	.69		.29
Roseburg, Oreg.....	52		4	.60		.20
Eureka, Cal.....	51		3	.84		.54
Redbluff, Cal.....	60	4		.46		.46
Carson City, Nev.....	50		0	.21		.21
Sacramento, Cal.....	59	1		.51		.51
San Francisco, Cal.....	55		1	.42		.02
Fresno, Cal.....	64		2	.27		.27
San Luis Obispo, Cal.....	57	1		.43		.43
Los Angeles, Cal.....	60	2		.25		.15
San Diego, Cal.....	59	3		.14		.14
Yuma, Ariz.....	72	2		.00		.00

^a The figures in these columns represent the average daily departure.

FOREIGN.

[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 Supervising Surgeon-General United States Marine-Hospital Service, December 31, 1898, to April 23, 1899.

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay.....	Dec. 20-Mar. 21.....		21	
Calcutta.....	Nov. 26-Mar. 18.....		395	
Madras.....	Nov. 19-Feb. 24.....		29	
Singapore.....	Dec. 1-Dec. 30.....		1	

YELLOW FEVER.

Places.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Bahia.....	Dec. 24-Apr. 1.....	29	13	
Rio de Janeiro.....	Nov. 11-Feb. 17.....		196	
Colombia:				
Barranquilla.....	Dec. 2-Mar. 4.....	8	8	
Cuba:				
Havana.....	Dec. 16-Apr. 13.....		9	
	Apr. 18.....	2		Removed from S. S. "North Anglia."
Matanzas.....	Mar. 16-Mar. 30.....	2		One in United States Army.
Mexico:				
Vera Cruz.....	Dec. 8-Apr. 22.....		46	

PLAGUE.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Djiddah.....	Feb. 22-Mar. 31.....		51	
China:				
Hongkong.....	Dec. 10-Jan. 21.....	2	2	
	Mar. 8-Mar. 21.....	12	11	Outbreak of plague reported.
	Apr. 11.....			
Formosa:				
Taichu.....	Jan. 12-Jan. 18.....	1		
Tainan.....	Jan. 9-Jan. 18.....	24	17	
Taipeh.....	Dec. 25.....	10	2	Plague exists.
Taiwan.....	Dec. 31.....			
Tamsui.....	Jan. 1-Jan. 10.....	7	2	
India:				
Bombay.....	Nov. 22-Mar. 21.....		2,503	Actual number probably 3,000.
Calcutta.....	Jan. 21-Mar. 18.....		233	
Madras.....	Nov. 19-Nov. 25.....		1	
Madagascar:				
Tamatave.....	Nov. 26-Feb. 8.....	309	210	
Mauritius:				
Port Louis.....	Jan. 25.....	1	1	

SMALLPOX.

Places.	Date.	Cases.	Deaths.	Remarks.
Africa:				
Lorenzo Marquez.....	Dec. 1-Dec. 24.....	18		
Argentina:				
Buenos Ayres.....	Nov. 1-Nov. 30.....		5	
Belgium:				
Antwerp.....	Dec. 3-Jan. 7.....	41	14	
Ghent.....	Mar. 25-Apr. 8.....		2	
Brazil:				
Bahia.....	Nov. 19-Apr. 1.....	167	11	
Rio de Janeiro.....	Nov. 11-Jan. 27.....	145	66	
Canada:				
Ontario:				
Coburg County.....	Jan. 30-Feb. 22.....	1		
Dundas County.....	Jan. 30-Feb. 22.....	1	1	
Dunham County.....	Jan. 30-Feb. 22.....	1		
Essex County.....	Jan. 30-Feb. 22.....	1		

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

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Canada—Continued.				
Ontario—Continued.				
Grenorth County.....	Jan. 30-Feb. 22...	5	1	
Kent County.....	Jan. 30-Feb. 22...	3	1	
Northumberland County.....	Jan. 30-Feb. 22...	1	1	
Prescott County.....	Jan. 30-Feb. 22...	15	3	
Stormont County.....	Jan. 30-Feb. 22...	11	1	
York County.....	Jan. 30-Feb. 22...	3	1	
Province of Quebec.....	Jan. 26-Apr. 21...	14	1	
China:				
Fuchou.....	Feb. 25.....			Smallpox prevalent.
Hongkong.....	Jan. 1-Mar. 11...	23	9	
Ceylon:				
Colombo.....	Dec. 24-Dec. 31...		1	
Colombia:				
Baranquilla.....	Mar. 25-Apr. 1...	2		
Cuba:				
Havana.....	Dec. 30.....	1		In United States Army.
Santiago.....	Feb. 23-Mar. 21...	2		On steamship Thomas Brooks.
	Apr. 8-Apr. 15...	4		
Egypt:				
Cairo.....	Jan. 16-Mar. 11...		4	
England:				
Liverpool.....	Dec. 3-Mar. 18...	3	1	
London.....	Dec. 17-Apr. 8...	9	1	
South Shields.....	Jan. 21-Jan. 28...	1		
Sunderland.....	Jan. 15-Jan. 21...	2		
France:				
Paris.....	Dec. 24-Feb. 11...		3	
Gibraltar.....				
	Jan. 30-Feb. 12...	2	1	
Greece:				
Athens.....	Mar. 11-Apr. 1...	76	47	
India:				
Bombay.....	Nov. 22-Mar. 21...		24	
Calcutta.....	Nov. 19-Mar. 18...		13	
Colombo.....	Dec. 24-Dec. 31...		1	
Madras.....	Nov. 26-Mar. 3...		6	
Singapore.....	Dec. 1-Jan. 31...		22	
Italy:				
Milan.....	Jan. 22-Jan. 28...	1		
Japan:				
Awomori Ken.....	Nov. 18-Dec. 31...	126	28	
Chiba Ken.....	Dec. 9-Dec. 31...	1		
Hiogo Ken.....	Nov. 18-Dec. 8...	1		
Iwate Ken.....	Dec. 9-Dec. 31...	1		
Kanagawa Ken.....	Nov. 18-Dec. 8...	1		
Nagano Ken.....	Dec. 9-Dec. 31...	1		
Nagasaki Ken.....	Nov. 18-Dec. 8...	3		
The Hokkaido.....	Nov. 18-Dec. 8...	8		
Tottori Ken.....	Nov. 18-Dec. 8...	3		
Korea:				
Seoul.....	Jan. 1-Mar. 11...			Smallpox endemic.
Madagascar:				
Tamatave.....	Jan. 18-Jan. 25...	8		
Tananarivo.....	Nov. 26-Jan. 18...	123	6	
Mexico:				
C. P. Diaz.....	Jan. 10.....			Do.
	Feb. 11-Feb. 25...	10		
Chihuahua.....	Jan. 7-Mar. 25...		10	
City of Mexico.....	Dec. 31-Mar. 26...		24	
Fuente.....	Apr. 11.....	2		
Guerrero.....	Mar. 13.....	2		
Juarez.....	Feb. 18.....	15		
Monterey.....	Dec. 2-Jan. 5...		3	
Nuevo Laredo.....	Jan. 29-Feb. 4...	9	1	
Vera Cruz.....	Jan. 5-Mar. 17...		5	
Nicaragua:				
Bluefields.....	Apr. 18.....	1		
Russia:				
Moscow.....	Dec. 24-Mar. 25...	112	41	
Odessa.....	Jan. 7-Apr. 1...	24	4	
St. Petersburg.....	Jan. 1-Apr. 1...	71	11	
Warsaw.....	Jan. 16-Apr. 1...		19	
Turkey:				
Bagdad.....	Oct. 22-Nov. 27...	96	20	
Constantinople.....	Jan. 2-Apr. 3...		188	
Smyrna.....	Dec. 25-Mar. 26...		10	

CANADA.

*Smallpox in province of Quebec.*MONTREAL, *April 21, 1899.*

SIR: The province is clear of smallpox since April 5. Final result is as follows:

Municipality.	County.	Population.	Date of outbreak.	New cases since last report. (a)	Total cases since outbreak.	Died.	Recovered.	Still sick.	Houses infected since outbreak.	Houses still infected (b).
Coteau du Lac	Soulanges.....	1,276	Dec. 10	0	5	0	5	0	1	0
Coteau Landing.....	do.....	507	Dec. 29	0	1	1	.....	0	1	0
St. Telephore.....	do.....	1,307	Jan. 12	0	1	.....	7	0	1	0
Waltham and Bryson.....	Pontiac.....	361	Feb. 13	0	1	.....	1	0	1	0

a Last case occurred February 13; date of last report, March 25.

b Last house disinfected on April 5.

Respectfully, yours,
 ELZÉAR PELLETIER,
Secretary Board of Health of the Province of Quebec.

COLOMBIA.

*Sanitary report from Bocas del Toro—Description of the city.*BOCAS DEL TORO, *April 10, 1899.*

SIR: I have the honor to submit report for the week ended Saturday, April 8, 1899.

The following vessels have cleared for the United States during the week: Steamship *Colombia*, Berg, master, 511 tons, 17 crew, for Mobile; steamship *Baracoa*, Wolden, master, 484 tons, 17 crew, for Mobile; steamship *Iberia*, Jacobsen, master, 302 tons, 15 crew, for Galveston. All these vessels were in good sanitary condition and supplied with certificates.

The health of Bocas del Toro and of the adjacent country is good. There are few if any cases of sickness in the town at present. Local physicians assure me that for some time past the town and country have enjoyed an unusual freedom from malarial fever and enteric troubles, the most common disorders of the country.

Bocas del Toro lies on a point of land on the southeastern extremity of Columbus Island, a member of a group which lies about the entrance to the Chiriqui Lagoon. The island is separated from the mainland on the west by a body of water leading into Almirante Bay. To the east lies Provision Island, there being a small island between the two called Careening Cay. The entrance to the harbor, which affords good anchorage to vessels of large draft, runs between Careening Cay and Provision Island. The town following the shore line is built on the water's edge, and faces the north and east, being exposed to the full sweep of the prevailing northeast wind. The principal houses are built directly over the water. The ground behind the town is low and swampy and often flooded by the tide. There is a tide of 2½ feet, which runs with a strong current every twenty-four hours. Sewage and offal from the houses on the water front goes directly into the water; the excreta and garbage

from the houses removed from the water's edge is deposited in vessels and at night dumped into the bay.

The population consists largely of Jamaica negroes, and a mixture of native and negro who live with little regard to cleanliness and personal hygiene. The foreign residents are quite numerous, and are being added to every year.

Steamers engaged in the fruit trade arriving from the United States after discharging their cargo proceed to the Chiriqui Lagoon, along the border of which the banana plantations are located, to take on fruit—from thirty-six to forty-eight hours being consumed in the trip. From 35 to 45 men, including laborers, checkers, and a clerk are taken aboard for loading purposes. A customs officer also accompanies the ship. These ships are inspected by me on their arrival from the United States, just previous to the departure for the lagoon, and on the return from the lagoon just before final departure. This last inspection must, in some instances, be made at night, according to the time the ship arrives from the lagoon, in order not to delay the fruit.

Fumigation of laborers and passengers is done with formaldehyd gas, six hours' exposure. The New Orleans houses have furnished for the use of the sanitary inspector of the Louisiana State board of health a Trillat autoclave. The other firms are provided with the Schering & Glatz generator with formalin pastiles. I shall endeavor to bring about an agreement between all parties engaged in the steamer traffic to have all fumigation or disinfection done with the autoclave.

Very respectfully,

H. B. MOHR,

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

The SUPERVISING SURGEON-GENERAL,

U. S. Marine-Hospital Service.

Copy of certificate given vessel.

[Inclosure No 1.]

BOCAS DEL TORO, REPUBLIC OF COLOMBIA, *April 12, 1899.*

This is to certify, that I have examined the steamship *Kitty*, ——— Olsen, master, which arrived from Mobile, Ala., at Bocas del Toro April 7, 1899. Her crew consists of 18 men, including the master, and all are now in good health. Said steamship is now in good sanitary condition. She has 1 passenger now on board for Mobile and all are now in good health. She has now on board for transportation to Mobile a cargo consisting of bananas in good sanitary condition.

After careful observation and inquiry, I believe, and so certify, that said steamship *Kitty*, her officers and crew, have complied with all the rules for the government of vessels while at fruit ports, of the United States Marine-Hospital Service. I further certify that the health of Bocas del Toro and the adjacent country is good and that no infectious or contagious disease prevails here.

H. B. MOHR,

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

[Inclosure No. 2.]

BOCAS DEL TORO, REPUBLIC OF COLOMBIA, *April 12, 1899.*

This is to certify that Mrs. Kate Hines leaves this port as a passenger on the Norwegian steamship *Kitty*, Olsen, master, which sails this day for Mobile. Said Mrs. Kate Hines has been under my observation for ten days, is now in good health, and her baggage has been disinfected under my supervision. Her ultimate destination in the United States is Olivet, Mich.

H. B. MOHR,

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

COSTA RICA.

*Sanitary report from Limon.*LIMON, COSTA RICA, *April 3, 1899.*

SIR: I beg to report herewith that the fruit port of Limon, Costa Rica, and the surrounding country remains free from contagious or infectious diseases.

The health conditions of the steamship *Altai* and crew that clears to-day for New York City direct are also satisfactory.

Respectfully, yours,

WM. H. CARSON, M. D.,

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

The SUPERVISING SURGEON-GENERAL,

*U. S. Marine-Hospital Service.*LIMON, COSTA RICA, *April 14, 1899.*

SIR: I have to report that the health conditions of Port Limon, Costa Rica, and immediate neighborhood continue to be entirely satisfactory, there not being the slightest suspicion of the existence of any form of contagious or infectious disease. The Charity and the Costa Rica Railway hospitals are visited daily, and the health of the town proper has been closely observed.

The examination of local official records furnishes evidence that only 2 deaths have occurred since the 3d instant, 1 death the result of traumatic tetanus, the other, a colored infant dying soon after birth.

I am, sir, yours, respectfully,

WM. H. CARSON, M. D.,

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

The SUPERVISING SURGEON-GENERAL,

U. S. Marine-Hospital Service.

CUBA.

*Deaths in Cienfuegos during the week ended April 7, 1899.*CIENFUEGOS, CUBA, *April 11, 1899.*

SIR: I have the honor to report that, during the first week in April, 1899, 37 deaths were recorded at the office of the alcalde, as having occurred in this city, from the following causes: Heart disease, 1; enteritis, 7; tuberculosis, 6; malaria, 6; peritonitis, 1; paralysis, 1; typhoid fever, 2; typhoid malaria, 1; meningitis, 1; gastro-enteritis, 1; dysentery, 1; measles, 1; arterial sclerosis, 1; nephritis, 2; cirrhosis of liver, 1; infectious fever, 1; cholera infantum, 1; accidental causes, 2. The term infectious fever is, I understand, an indefinite one covering almost all the acute fevers.

Respectfully, yours,

S. B. GRUBBS,

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

The SUPERVISING SURGEON-GENERAL,

U. S. Marine-Hospital Service.

*Yellow fever on the steamship North Anglia.*HAVANA, CUBA, *April 18, 1899.*

SIR: The following report of the inspection of the British steamship *North Anglia* is respectfully submitted: This vessel arrived here on Monday, April 3, with a cargo of coal from Philadelphia, Pa., went to a berth at Casa Blanca to discharge her cargo the same day, and was placed at the head of 2 piers, the bow being made fast to 1, the stern to the other.

On Wednesday night, April 5, the captain was taken sick with what was not diagnosed by either Dr. Dudley or myself as yellow fever, and died Friday night, April 7, the duration of his illness being less than forty-eight hours. An autopsy, conducted by Surgeons Carter and Wasdin, Passed Assistant Surgeon Geddings, Sanitary Inspector Dudley, Acting Assistant Surgeon Menocal, and myself demonstrated the lesions of yellow fever. At the same time the steward of the vessel was examined and found with the disease.

The weather being cold and disagreeable, a removal of the steward would have caused his death, and he was isolated where found, in the cabin, and after the discharge of a few tons of coal from her hold she was removed from the piers and placed in quarantine.

Yesterday the steward, having so far advanced in convalescence as to be removed, and yet not able to continue with his vessel, he was sent ashore, the cabin and its contents were disinfected, and the vessel proceeded this morning to Santiago de Cuba, there to discharge a small general cargo before proceeding to Baltimore. It will be noted that the cabin alone was disinfected, and for the following reasons. When lying at the piers the infection was a result of the following conditions: Alongside the pier to which the stern was made fast and within a few feet of the captain's stateroom in the cabin, was an old bark which had been lying in this harbor for about two years, dismantled and condemned, and which was being reconstructed into a barge, this work necessitating the removal of her deck. Much of the woodwork was rotten and had been thrown on the pierhead under the ports of the cabin, and it is evident that this material was the focus of infection. The persons attacked were master and steward, both living in the cabin.

None of the engineers, living amidship, were attacked, nor were the sailors or firemen in the forecabin. The steward was isolated on the 8th instant, and the vessel developed no more cases up to her leaving to-day, 18th.

A certificate of her disinfection with data of her infection on bill of health was given vessel. The barge referred to has been removed from wharf by reason of my prohibiting it from being used until it and the infected wood and barge were taken away.

An incident in this matter was the placing of 2 policemen on the *North Anglia*, with instructions not to allow any one aboard, by Surgeon Davis, U. S. A. His attention being called to his lack of jurisdiction resulted in their removal without unpleasant friction.

Very respectfully,

W. F. BRUNNER,

Sanitary Inspector, U. S. M. H. S.

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

*Sanitary report from Havana.*HAVANA, CUBA, *April 21, 1899.*

SIR: The following report for the week ended Thursday, April 20, is respectfully submitted. The mortality for this period is attached to this report.

There were no deaths reported from yellow fever. The last one from this cause being in the person of Captain Williams of the British steamship *North Anglia*, while said vessel was lying at a wharf at Casa Blanca. As reported in another communication, this death occurred on Friday, April 7, after an illness of less than forty-eight hours.

Previous to this case developing at Casa Blanca 2 cases of the disease were removed from said place, the persons infected being of the residential population.

One death occurred from smallpox in the hospital known as La Benifica. This was the first death from that disease in several months. There is a widespread epidemic of measles in the city; 1 death is recorded from the disease. There is also an outbreak of diphtheria, and while only 1 death is recorded it is possible that the deaths in this table from croup should be charged to diphtheria. Antitoxin is being used here and with the same success that is credited to it elsewhere.

The deaths from all causes are less this week than any previous one since I began recording them in 1897. The absence of yellow fever I can not understand. With the United States troops quartered in this city, and with the large number of Americans who still remain, and nearly all of whom are nonimmune, it was to be expected that more cases and deaths from the disease would result by this time.

The sanitary conditions have improved and no one can find fault with the methods employed generally, but at the same time no one who knows the situation should expect that any permanent sanitary work could be performed in less than three months. Nor could any one hope that the said work could have any effect in reducing the death rate or could have any appreciable effect in checking the spread of yellow fever.

Disinfection.—The work of disinfecting vessels bound for ports in the United States began on April 3, and up to the 20th instant 20 vessels had been disinfected. The class of vessels treated here were as follows: Steamers, 4; barks, 1; schooners, 14.

These vessels were bound for different ports in the Gulf and on the South Atlantic Coast. One vessel, a steamer from Charleston, S. C., came here with a general cargo from that city, and by special request of Dr. Horlbeck, health officer of the city of Charleston, she was disinfected in order that she could proceed to Central American ports for a cargo of fruit and then return to her original port of departure.

By disinfection here, this vessel was the pioneer of a trade made possible between southern ports and Havana, and I look on this new departure as the greatest help to southern commerce ever extended by the National Government, and a help which is beyond the reach of municipal or State boards of health.

I can not see why southern ports should not enjoy now many advantages heretofore not available to them.

The disinfecting plant has worked rapidly, but what is more to the purpose, efficiently in nearly every detail. The work was begun and nearly all of it conducted under the personal supervision of Surgeon H. R. Carter. No further indorsement is necessary, as I take it that his work would be accepted at any port in the United States. Every detail

of the work has increased at this port and a short statement with a few figures will demonstrate this fact. We have examined over 9,000 persons since January 1. This number does not include several thousand soldiers, and we have inspected 520 vessels leaving this port since January 1. The quarantine work done here during the present year will be greater than that of any other port in the world.

Very respectfully,

W. F. BRUNNER,
Sanitary Inspector, U. S. M. H. S.

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

Mortality for the week ended Thursday, April 20, 1899.

[Inclosure.]

Enteric fever, 5; pernicious fever, 1; malarial fever, 11; smallpox, 1; measles, 1; diphtheria, 1; dysentery, 1; enteritis, 18; croup, 3; pneumonia, 3; tuberculosis, 26; deaths from all causes, 130.

Inspection quarantine at Havana against Key West on account of smallpox.

HAVANA, CUBA, *April 9, 1899.*

SIR: On account of the existence of smallpox at Key West, I have instituted an inspection quarantine against vessels from that port entering Cuban ports. Evidence of immunity to smallpox is required of crews and passengers for entry, and the health officer of Florida has been requested to furnish certificates of vaccination to these people so as to prevent delay to vessels.

Very respectfully,

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

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

A brief report of the work being done by the barge Protector at Havana, under the supervision of Surgeon H. R. Carter.

HAVANA, CUBA, *April 14, 1899.*

SIR: A brief report of what we are doing and purpose to do, with the *Protector*, may be of interest.

I am at present directing the disinfecting work, giving it my personal supervision.

The *Protector* is lying in the "Tricornia," a bight of the harbor on the side opposite Havana, between the wharf (building by the United States) and Santa Catalina, about one-third to one-half mile from shore, which, except for the Standard Oil Company's plant, is here uninhabited, and receives no creek or river. It is the best place in the harbor, and I consider free from infection from shore.

It is purposed, save in exceptional instances, to send vessels which have or have had yellow fever aboard to Tortugas; or in the case of steamers, to disinfect them with their own steam without coming alongside. In addition, the floor of the hold where the disinfecting is done and the deck of the *Protector* washed down every other day with bichloride solution as a routine measure, and whenever it is necessary to wet the deck to prevent injury by sun, this is done with the

same solution; similarly the hold whenever material adjudged doubtful is handled there.

It is purposed to disinfect the whole barge once a week, using Tuesday, or the next day possible thereafter, for that purpose. We have packed up and disinfected all material fabrics not in daily use.

It is purposed for vessels to come alongside, or close enough to take a line and haul alongside. They are directed to have the hold and so forth mechanically clean, and to have their dunnage ready—to be ready for disinfection in general; the same orders as are given to vessels coming to the wharf at a quarantine station.

The work of disinfection needs no description, it is what is done at other quarantine stations. The plant, taken altogether, is the best I have ever seen, the quickest in work with the least chance of inefficient work.

After using it awhile minor improvements will undoubtedly suggest themselves, affecting rapidity of work and economy, durability, and noninjury of material during disinfection, rather than efficiency.

A considerable number of vessels have been disinfected here—18 to date. They leave hatches closed the day of completion of disinfection, *i. e.*, the day the fabrics are steamed, holds washed down, and deck houses treated.

Very respectfully,

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

Sanitary report from Santiago.

SANTIAGO DE CUBA, *April 8, 1899.*

SIR: I have the honor to report that, during the week ended April 8, 1899, there was a total of 31 deaths in the civil population of this city. If the city has a population of 40,000, which is believed to be a liberal estimate, this represents an annual ratio of 40.3 per 1,000. The principal causes of death were, tuberculosis, 5; malarial fevers, 4; enterocolitis, 4; typhoid, 1; pneumonia, 1; meningitis, 3.

Four cases of smallpox were discovered on the northern edge of the city. The cases are all in mulatto children, living in adjoining houses. The source of infection can not be traced. The cases are all mild, resembling very much the character of the disease, which prevailed this winter at Alexandria, Va.

During the same week 14 vessels were inspected—13 upon arrival and 1 prior to departure. None required disinfection.

The drought continues and water in the city is very scarce.

The barkentine has been brought alongside the dock and prepared to receive the disinfecting machinery. The deck was not strong enough to hold the weight of the steam cylinders and boilers. Supporting beams and uprights were made out of the yardarms and topmasts. The combings of the fore hatch and a small hatch aft were removed and the openings decked over. The galley was moved from the center of the boat, forward, in order to make room for the machinery. Numerous small repairs to the chocks, windlass, bilge pump, and water tank were found necessary.

Respectfully, yours,

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

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

GUATEMALA.

*Sanitary report from Livingston.*LIVINGSTON, GUATEMALA, *April 4, 1899.*

SIR: I have the honor to report that the health conditions of this point are entirely satisfactory. I hear of no sickness of a serious nature, but I find whooping cough quite prevalent, and there have been several deaths among the children.

After a general inspection I take this to be a place of at least 3,000 people, with a foreign colony of some 40 people, possibly. The natives live in huts of daubed mud walls and thatched roofs, which are, for the most part, clean and inviting, and they are surprisingly careful of personal cleanliness. * * *

As I understand the instructions, any passenger from this port to any point in the United States, without exception, must undergo ten days' detention, and I shall enforce it unless otherwise instructed. The inhabitants of the mountainous sections of this republic claim that some exception ought to be made in their favor, inasmuch as they are afraid to spend ten days in a low, malarial place like Port Barrios—I attend to Barrios and this place too.

Most respectfully,

N. K. VANCE,

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

The SUPERVISING SURGEON-GENERAL,

U. S. Marine-Hospital Service.

HONDURAS.

Sanitary report from Belize.

BELIZE, *April 14, 1899.*

SIR: The steamer *Managua* sails this a. m. for Mobile, Captain Gunderson in command. Crew and passengers in good health. There are no infectious or contagious diseases in Belize or surrounding country. The vessel has complied with regulations at this port governing vessels for United States ports.

Yours, respectfully,

C. W. KNIGHT,

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

The SUPERVISING SURGEON-GENERAL,

U. S. Marine Hospital-Service.

[Inclosure No. 1.]

BELIZE, April 14, 1899.

Steamship *Managua*, sailing to-day for Mobile, via ———. Trip No. 65.

This is to certify that I have this day examined the master and crew of above-named vessel, and find them in a satisfactory condition of health; also health conditions of this port and adjacent country are satisfactory.

The following persons have complied with the regulations, and are hereby permitted to proceed on said vessel as passengers:

Crew.	Passengers.	Baggage.			Remarks.
		Trunks.	Bags.	Valises.	
C. Gundersen.....	D. H. Wood.....			2	Packages, 3.
K. Oesvig.....	C. B. Laubenheimer.....				
H. Khon.....	Mr. Meyer.....				
H. Olsen.....	Mr. Williams.....				
D. Oндderberg (a).....	Mr. Dorgin.....				
S. Pedersen.....					
J. Beck.....					
K. Rasmussen.....					
O. Skangoht.....					
T. Agnald.....					
S. Anderson.....					
B. Lay.....					
O. Sie.....					
N. Gerrar.....					
J. M. Dietz.....					
A. Bergqvist.....					
K. Withelmsen.....					

a In transit.

C. W. KNIGHT, M. D.,
Acting Assistant Surgeon, U. S. M. H. S.

List of deaths registered in the town of Belize from the 7th instant to date.

[Inclosure No. 2.]

APRIL 13, 1899.

Certified by medical practitioner—

Catarrh.....	1
Convulsions.....	1
Gastritis.....	1
Malarial fever.....	1
Senile dyspepsia and gastritis.....	1
Certified by district commissioner or police.....	0
Certified by coroner.....	0
Uncertified.....	0
Total.....	5

A. K. YOUNG,
Registrar-General.

Sanitary report from Puerto Cortez.

PUERTO CORTEZ, HONDURAS, April 12, 1899.

SIR: I have the honor to report that after careful inquiry and investigation I find the health of this port and adjacent country good.

I have in preparation a detailed report of the shipping to this and adjacent towns, as well as the inland communications and traffic, as well as the topographical features of the port and vicinity from a sanitary standpoint, with such medical history of the past as I can gather. I trust I will be able to furnish this report soon. If within my province, I should like to make some reflections and suggestions in reference to

some points or features of the formulated instructions, rules of the Department.

Yours, respectfully,

L. A. WAILES, M. D.,
Acting Assistant Surgeon, U. S. M. H. S.

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

MADAGASCAR.

Bubonic plague extinct at Tamatave.

CONSULATE OF THE UNITED STATES,
Tamatave, March 4, 1899.

SIR: Referring to my dispatch No. 38, dated February 18, 1899, relative to the passing of the bubonic plague from our midst, I have the honor now to advise you that the quarantine has been raised since March 2, and that we are in commercial communication with the outside world and other parts of the Island of Madagascar.

I am, sir, your obedient servant,

M. W. GIBBS,
United States Consul.

Hon. ASSISTANT SECRETARY OF STATE.

MALTA.

Quarantine measures.

[From the Malta Government Gazette.]

GOVERNMENT NOTICE.

PALACE VALLETTA, *March 29, 1899.*

His Excellency the Governor, having heard the opinion of the board of health, has been pleased to modify Government Notice No. 12, of January 2, 1899, and to direct that the following regulations be observed, viz:

(1) VESSELS WHICH ARE NOT ALLOWED TO ENTER THE HARBOR, BUT ARE ALLOWED TO COMMUNICATE IN QUARANTINE WITH THE ISLANDS OF COMINO AND COMINOTTO UNDER SUCH RESTRICTIONS AS THE COLLECTOR OF CUSTOMS MAY DIRECT.

(a) Vessels that have on board, or have had during the voyage, cases of cholera, yellow fever, or plague, or cases of a disease with symptoms resembling those of cholera, yellow fever, or plague.

(b) Vessels with pilgrims from the East.

(c) Vessels arriving from Arabian ports in the Red Sea and the Persian Gulf which have not been admitted to free pratique at Suez and Port Said.

(2) VESSELS WHICH ARE ALLOWED TO ENTER THE QUARANTINE HARBOR TO COAL AND TAKE IN PROVISIONS UNDER QUARANTINE RESTRICTIONS.

(a) Vessels arriving from Indian ports without a clean bill of health which have not been admitted to free pratique in a port in the Adriatic or Mediterranean Sea, or which have not, to the satisfaction of the chief government medical officer, been thoroughly disinfected before being admitted to free pratique at the said port.

(b) Vessels arriving from any port without a clean bill of health, which do not fall under any of the preceding regulations.

Vessels without a clean bill of health that carry a doctor may complete a period of ten days' quarantine, reckoned from date of departure, either at sea or at the anchorage of Comino, before being admitted under the same conditions as arrivals from Bombay.

(3) MEDICAL INSPECTION.

All vessels arriving at Malta shall undergo strict medical inspection.

(4) PASSENGERS.

Passengers arriving from Bombay, Kurrachee, and Calcutta shall be landed in one of the quarantine establishments where they will be subjected to strict medical inspection until their clothing and all other articles of personal use, likely to retain infection, shall have been thoroughly disinfected.

(5) GOODS.

The importation of coffee, beans or ground, colored with substances injurious to health is prohibited.

The importation of cotton seed from any port subject to quarantine is forbidden.

The importation of rags is prohibited.

The importation is forbidden before disinfection of the following articles, viz, wearing apparel, soiled linen and clothing, bedding materials, feathers, bones, and jute goods.

The importation of hides from any port subject to quarantine or from any place where cattle disease exists is prohibited before disinfection.

The importation of vines, vine shoots, and fruit packed in vine leaves is prohibited. The importation of plants or roots from any port of the Mediterranean is prohibited, unless the same are accompanied by a satisfactory certificate that phylloxera is not known to exist at the place of origin.

By command,

G. STRICKLAND,
Chief Secretary to Government.

MEXICO.

Proposed vaccination service at Ciudad Juarez.

CIUDAD JUAREZ, *April 3, 1899.*

SIR: I have the honor to report that on April 1 the physicians of Ciudad Juarez, acting under instructions from the Government at the City of Mexico, began a systematic plan of vaccination of the inhabitants of this city.

In the fall of 1898, when smallpox in El Paso, Tex., and Ciudad Juarez was almost epidemic, some ill-feeling was created by the measures resorted to by the El Paso board of health to enforce vaccination of the Mexicans residing on the Texas side of the Rio Grande.

In February a Federal quarantine was established by Dr. E. Alexander, United States sanitary inspector, and no person was permitted to enter the United States from Mexico without producing a certificate showing successful vaccination or immunity from the disease. This measure also caused considerable dissatisfaction among the Mexicans,

but the effect was to enforce, in a great measure, vaccination of that class of Mexicans who were passing to and fro from one town to the other and thereby assisting in the spreading of the disease.

The policy of quarantine and compulsory vaccination was brought to the attention of the authorities in Mexico City. At a recent meeting of the board of health of Mexico a resolution was presented by the committee on federal matters to the effect that proposals, as follows, be made to the Department of the Interior:

1. That, if said department sees no objection, it should address a communication to the government of Chihuahua suggesting that it order the local authorities of Ciudad Juarez to enforce vaccination as rapidly and extensively as possible.

2: That the sanitary inspector, holding office under the board, and residing at Ciudad Juarez, be authorized to perform vaccinations, and issue certificates of vaccination, and to put into action a steam disinfecter so that the baggage and clothes of persons crossing the frontier may be disinfected free of charge.

3. That the same inspector be authorized to hold private conference with Dr. Alexander, United States quarantine officer at El Paso, Tex., in order to secure, confidentially, the acceptance of the certificates of vaccination issued by the veterinary inspector and the physicians at Ciudad Juarez, giving them the same value as the certificates issued by Dr. Alexander and Drs. Race and Yandell, the city and State quarantine officers, respectively, at El Paso.

In addition the board asks that the veterinary inspector at Ciudad Juarez be empowered to inspect, at El Paso, the cattle entering the country by way of Ciudad Juarez.

I am not informed that the sanitary inspector, as proposed above, has been appointed. The appointment is momentarily expected. This officer will be given explicit instructions to inaugurate measures calculated to arrest and prevent the spread of infectious diseases. The local officials will cooperate with the inspector. Policemen will make a house-to-house canvass, and secure the name of every unvaccinated person. A fine will be imposed upon violators of the quarantine regulations.

There is a house of detention on the Mexican side of the Rio Grande, and I am informed this is to be used when necessary. It contains boilers and other apparatus for disinfection.

Mexican officials in Ciudad Juarez seem to realize that the best way to eradicate smallpox is to adopt the American methods and cooperate with the American officials.

Dr. Samaniego, one of the leading Mexican physicians, is quoted as saying:

"We propose to go into this business in a thorough and systematic manner. Especial care shall be taken to compel the people to live up to the sanitary regulations we have established. Juarez has now the support of the Federal government, and we intend to show the people of El Paso that there will be no more danger of smallpox existing here than in any other city."

I have the honor to be, sir, yours, respectfully,

CHARLES W. KINDRICK,
United States Consul.

HON. ASSISTANT SECRETARY OF STATE.

NICARAGUA.

BLUEFIELDS, NICARAGUA, CENTRAL AMERICA, *April 5, 1899.*

SIR: I have the honor to acknowledge the receipt of your letter of March 20, having inclosed therein a copy of the quarantine laws and regulations of the United States, and one of the "Rules for the government of vessels while at fruit ports." In accordance with the latter, I hereby send a copy of certificates furnished the steamships *Sunniva* and *Breifond* and a specimen of the certificates to be furnished passengers when sufficient time has elapsed for their departure. Hereafter, I will send to you by each vessel a copy of the certificates she carries and not of 2 vessels at once as in this case, which, however, was unavoidable. * * *

The general health and sanitary condition of Bluefields and suburbs I find good and as I extend my personal examination of more distant neighborhoods will advise you as to their condition.

Respectfully, yours,

D. W. GOODMAN,

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

The SUPERVISING SURGEON-GENERAL,

U. S. Marine-Hospital Service.

[Inclosure No. 1.]

BLUEFIELDS, NICARAGUA, *April 5, 1899.*

This is to certify that I have examined the steamship *Sunniva*, Tallagsen, master, and found her in good sanitary condition. Her crew consists of 14 men and all are now in good health. Said steamship *Sunniva* is bound for New Orleans, La.

I further certify that the health of Bluefields and adjacent country is good and that said master, crew, and the following passengers have complied with the rules and regulations of the United States Marine-Hospital Service. No passengers on board.

D. W. GOODMAN, M. D.,

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

[Inclosure No. 2.]

BLUEFIELDS, NICARAGUA, ———, *1899.*

I hereby certify that ———, the bearer of this, has been under my observation for ten days prior to departure from Bluefields and has complied with the rules of the United States Marine-Hospital Service.

Sanitary report from Bluefields.

[Inclosure No. 3.]

BLUEFIELDS, NICARAGUA, *April 13, 1899.*

SIR: I have the honor to report that the health conditions of Bluefields and adjacent territory continue good.

A vague rumor of the existence of variola in the outskirts of the town, proved, on investigation, to be false, and based solely on a few cases of varicella in children.

I have had made copies of the rules and regulations governing vessels in fruit ports, and furnished the same to the agents of the steamship lines, with the request that the main offices in the United States and the masters of vessels be supplied with them.

* * *
Very respectfully,

D. W. GOODMAN,

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

TURKEY.

Epizootic bulletin.

[Translated in this Bureau from reports officially forwarded.]

Salonica.—February 28. Anthrax has appeared among the cattle at the village of Behaulé.

Tripoli in Syria.—February 29. The report of an epizootic among sheep at Bassidé provoked an investigation on the part of the authorities who report that 2,000 sheep died, not of disease, but want of pasturage.

Adalia.—March 25. An epizootic prevails among goats at Akseki, with a mortality of 50 per cent. A veterinary surgeon has been sent to investigate the nature of the disease.

Silivrie.—March 1. Bovine plague has entirely disappeared.

Constantinople.—March 1. Horses suspected of glanders have been found in the stables of the tramways at Chichli.

FOREIGN STATISTICAL REPORTS.

AFRICA—*Cape Town.*—Six weeks ended February 15, 1899. Estimated population, 60,000. Total number of deaths, 1,360, including diphtheria, 4; enteric fever, 62; measles, 10; whooping cough, 10, and 122 from phthisis pulmonalis.

CHINA—*Fouchou.*—Two weeks ended March 18, 1899. Estimated population, 1,000,000. Number of deaths not reported. Smallpox prevalent. No epidemic of plague.

COLOMBIA—*Panama.*—Two weeks ended April 5, 1899. Estimated population, 16,000. Number of deaths not reported. No contagious diseases reported.

DENMARK.—Month of February, 1899. Estimated population, 2,311,000. Total number of deaths, 23,076, including diphtheria, 698; enteric fever, 127; measles, 1,811; scarlet fever, 704, and 449 from phthisis pulmonalis.

FORMOSA—*Tamsui.*—Month of January, 1899. Estimated population, 2,100,000. Number of deaths not reported. One death from enteric fever, 2 from dysentery, and 35 from plague. Nine cases of smallpox are reported.

Month of February. Number of deaths not reported. Eighty-four deaths from plague are reported. Smallpox, beriberi, and malarial fever are reported.

Two weeks ended March 8. Sixty-three deaths from plague are reported. The total number of cases reported since outbreak in January is 243. Number of deaths, 159.

FRANCE—*Roubaix.*—Month of March, 1899. Estimated population, 126,265. Total number of deaths, 212, including diphtheria, 1; enteric fever, 3, and 6 from whooping cough.

GERMANY—*Dresden.*—Month of January, 1899. Estimated popula-

tion, 388,300. Total number of deaths, 593, including diphtheria, 11; enteric fever, 1; scarlet fever, 4; la grippe, 6; whooping cough, 7, and 86 from phthisis pulmonalis.

Month of February, 1899. Estimated population, 391,300. Total number of deaths, 634, including diphtheria, 12; enteric fever, 2; measles, 5; la grippe, 26; scarlet fever, 1; whooping cough, 7, and 69 from phthisis pulmonalis.

Hanover.—Month of January, 1899. Estimated population, 238,115. Total number of deaths, 293, including diphtheria, 10; enteric fever, 2, and 22 from phthisis pulmonalis.

Weimar.—Month of March, 1899. Estimated population, 27,438. Total number of deaths, 30, including diphtheria, 2, and 1 from enteric fever.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 33 great towns in England and Wales during the week ended April 1, 1899, correspond to an annual rate of 23.1 a thousand of the aggregate population, which is estimated at 11,404,408. The highest rate was recorded in Manchester, viz, 31.8, and the lowest in Cardiff, viz, 13.2.

London.—One thousand nine hundred and twenty-two deaths were registered during the week, including measles, 37; scarlet fever, 4; diphtheria, 31; whooping cough, 57; enteric fever, 9, and diarrhea and dysentery, 7. The deaths from all causes correspond to an annual rate of 22.0 a thousand. In Greater London 2,533 deaths were registered, corresponding to an annual rate of 20.2 a thousand of the population. In the "outer ring" the deaths included 10 from diphtheria, 13 from measles, 1 from scarlet fever, and 22 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended April 1, 1899, in the 23 principal town districts of Ireland was 30.2 a thousand of the population, which is estimated at 1,012,148. The lowest rate was recorded in Dundalk, viz, 8.4, and the highest in Tralee, viz, 89.5 a thousand. In Dublin and suburbs 212 deaths were registered, including beriberi, 1; diphtheria, 2; enteric fever, 2; influenza, 15; scarlet fever, 2, and whooping cough, 3.

Scotland.—The deaths registered in 8 principal towns during the week ended April 1, 1899, correspond to an annual rate of 23.3 a thousand of the population, which is estimated at 1,587,414. The lowest mortality was recorded in Paisley, viz, 18.9, and the highest in Greenock, viz, 29.9 a thousand. The aggregate number of deaths registered from all causes was 711, including diphtheria, 2; measles, 25; scarlet fever, 4, and whooping cough, 30.

HAITI—*Cape Haitien*.—Two weeks ended April 1, 1899. Estimated population, 15,000. Number of deaths not reported. No contagious diseases. State of public health remarkably good.

KOREA—*Seoul*.—Week ended March 11, 1899. Estimated population, 300,000. Number of deaths not reported. Smallpox and typhus

are particularly prevalent. There are indications that cholera and dysentery may become epidemic.

JAMAICA.—Two weeks ended April 8, 1899. Estimated population, 694,866. Total number of deaths not reported. No deaths from contagious diseases.

Kingston.—Month of March, 1899. Estimated population, 34,314. Total number of deaths, 138, including diphtheria, 1, and 11 from phthisis pulmonalis.

JAVA—Batavia.—Two weeks ended March 11, 1899. Estimated population, 150,000. Number of deaths not reported. No contagious disease.

MALTA.—Two weeks ended February, 1899. Estimated population, 180,328. Total number of deaths, 157, including 2 from enteric fever.

Two weeks ended February 28. Total number of deaths, 157, including 1 from phthisis pulmonalis.

RUSSIA—Riga.—Month of January, 1899. Estimated population, 282,000. Total number of deaths, 531, including diphtheria, 17; enteric fever, 13; measles, 4; scarlet fever, 6; smallpox, 15; whooping cough, 10, and 58 from phthisis pulmonalis.

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.....	Apr. 8....	6,000	0										
Amherstburg.....	Apr. 15....	2,300	2										
Amsterdam.....	Apr. 8....	515,027	180										
Athens.....	Apr. 1....	200,000	23			21		1		3	1	3	
Bahia.....	Mar. 25....	200,000			1								
Do.....	Apr. 1....	200,000			5	1							
Barmen.....	do.....	137,000	53										
Barranquilla.....	do.....	40,000	15										
Belfast.....	Apr. 8....	350,000	174					3	2	1	6	5	
Belize.....	Apr. 13....	13,000	5										
Bergen.....	Apr. 5....	65,000	18										
Berlin.....	Mar. 25....	1,747,903	638						1	13	8		
Birmingham.....	Apr. 8....	510,343	230					1		2	5	2	
Bluefields.....	do.....	3,018	1										
Bombay.....	Mar. 21....	821,764	a2,408	7	10					140			
Bradford.....	Apr. 1....	231,260	97					1					3
Do.....	Apr. 8....	231,260	93							1			1
Bremen.....	Apr. 1....	144,500	65					1	1				
Breslau.....	Mar. 25....	300,000	188						2	3			1
Do.....	Apr. 1....	300,000	176						5	2	1		
Bristol.....	Apr. 8....	320,911	120										4
Brunswick.....	do.....	130,000											
Brussels.....	Apr. 1....	551,611	261					4	1	1	3		3
Budapest.....	Mar. 19....	650,000					2		2	5	5		
Do.....	Mar. 25....	650,000					4		1	1	2		
Do.....	Apr. 1....	650,000					6		3	3	8		
Cairo.....	Mar. 18....	570,062	370			1	7	7	5	2	2		
Do.....	Mar. 25....	570,062	351				4	8		4			
Calcutta.....	Mar. 11....	681,560	b628	15	5						2		
Do.....	Mar. 18....	681,560	c799	21	3						3		
Cartagena.....	Mar. 30....	25,000	10										
Do.....	Apr. 8....	25,000	5										
Catania.....	Apr. 6....	124,000	63							1	1		
Chaudiere Junction.....	Apr. 15....	500											
Chemnitz.....	Apr. 1....	172,840	96							1	1		
Christiania.....	do.....	207,000	63							1	1		
Coburg.....	do.....	19,500	6							1			
Cognac.....	do.....	20,400	7										
Do.....	Apr. 8....	20,400	10										
Cologne.....	Mar. 25....	356,685	18				1						
Colombo.....	Mar. 18....	130,000	84					3					
Do.....	Mar. 25....	130,000	82					4			1		
Constantinople.....	Mar. 20....	760,000	303			8		10			2		2
Do.....	Mar. 27....	760,000	273			8		8		8	8		
Do.....	Apr. 3....	760,000	285			6		6		2	3		
Copenhagen.....	Apr. 1....	351,000	149						2		4		3
Crefeld.....	Apr. 8....	110,000	40							1			
Curacao.....	Apr. 1....	29,098	7										
Dresden.....	Mar. 4....	391,300	d153					1		3			
Do.....	Mar. 11....	391,300	e193					1		5			4
Do.....	Mar. 18....	391,300	f173							2			
Do.....	Mar. 25....	391,300	g151					1		1	1	5	
Dublin.....	Apr. 8....	350,000	220					4		3	2		5
Dundee.....	do.....	166,072	82						1	4	1		4
Flushing.....	do.....	18,371	1										
Frankfort-on-the-Main.....	Apr. 1....	253,000	100						1	1			
Funchal.....	Apr. 2....	36,982	15										
Ghent.....	Apr. 8....	162,652	78			1							1
Gibraltar.....	Apr. 2....	25,900	10										
Glasgow.....	Apr. 8....	724,349	311						1	2	9		6
Gothenburg.....	Apr. 1....	122,205	27						2				
Guatemala.....	Mar. 20....	65,000	43										
Do.....	Mar. 27....	65,000	61										
Do.....	Apr. 3....	65,000	54					2	1				
Halifax.....	Apr. 15....	45,000	14										
Hamburg.....	Apr. 8....	675,351	241					1		3			4
Hamilton, Bermuda.....	Apr. 11....	16,000	0										
Do.....	Apr. 18....	16,000	1										
Havre.....	Apr. 8....	119,470	60										1
Hongkong.....	Mar. 4....	248,710	h94			1		1		1			
Do.....	Mar. 11....	248,710	i103			1							
Honolulu.....	Mar. 25....	30,000	28										
Do.....	Apr. 1....	30,000	17										

a Officially reported. Actual deaths probably 1,900. Plague, 1, 128

c Plague, 120.

d Influenza, 11.

b Plague, 68.

e Influenza, 13.

f Influenza, 12.

g Influenza, 12.

h Plague, 5.

i Plague, 5.

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.							
Kingston, Canada.....	Apr. 7....	18,000	6																
Do.....	Apr. 14....	18,000	10																
Do.....	Apr. 21....	18,000	6																
La Paz.....	Apr. 1....	5,000	6																
Do.....	Apr. 8....	5,000																	
Leeds.....	do.....	423,889	181					2				2		6				6	
Leghorn.....	Apr. 2....	104,578	43																
Do.....	Apr. 9....	104,578	50					1						1					
Leipsic.....	Apr. 1....	430,635	146									1		1			2		
Liege.....	do.....	169,518	65																
Livingston, Guatemala.....	Apr. 8....	1,500	4																1
London, England.....	Apr. 1....	6,523,434	2,533						14			5	41	50					79
Do.....	Apr. 8....	6,523,434	2,427						10		10	44	42	42					73
Lyons.....	Apr. 1....	466,028	210						2					1					1
Manchester.....	Apr. 8....	546,010	270								1			25					7
Mannheim.....	Apr. 1....	124,142	30									1							
Marseilles.....	Apr. 9....	447,344	328																
Matamoros.....	Apr. 14....	16,304	3																
Mayence.....	Apr. 8....	80,000	39																1
Mazatlan.....	do.....	16,700	23																
Mexico.....	Apr. 9....	344,377	376			6	8			5			1						2
Monte Cristi.....	Apr. 1....	3,000	0																
Monterey.....	Apr. 13....	25,000	51																
Montevideo.....	Mar. 11....	215,061	47																
Moscow.....	Mar. 25....	1,000,000	561			8		1	3	6	12	2							
New Castle on Tyne.....	Mar. 8....	223,000	97											1					4
Nice.....	Mar. 9....	108,227	46																
Nuremberg.....	Mar. 18....	230,000	126										1						8
Odessa.....	Mar. 1....	400,600	162							1	1	2							2
Paris.....	Mar. 8....	2,511,955	1,311					7	5	8	86	8							8
Plymouth.....	Apr. 8....	99,848	48																2
Pointe à Pitre.....	Mar. 5....	17,100	16																
Prague.....	Apr. 1....	196,257	155					2			2	1							
Puerto Cortes.....	Apr. 12....	2,000	1																
Quebec.....	Apr. 15....	75,000											1						
Do.....	Apr. 1....	107,709	48										1						
Do.....	Apr. 8....	107,709	54										1						
Rotterdam.....	do.....	311,301	137					1			1								
St. Etienne.....	Apr. 5....	135,784	147																
St. Georges, Bermuda.....	Apr. 15....	2,150																	
St. Petersburg.....	Apr. 1....	1,267,023	639				3	30	9	17	15	5							
St. Stephen, New Brunswick.....	Apr. 15....	3,000	2																
Sheffield.....	Apr. 1....	362,301	175					2	1	4									4
Do.....	Apr. 8....	362,301	146					4	1	7									2
Smyrna.....	Mar. 12....	300,000	73			1		1		1									
Do.....	Mar. 19....	300,000	43								2								
Do.....	Mar. 26....	300,000	74			1		1											
Do.....	Apr. 2....	300,000	49					1											
Solingen.....	Apr. 1....	433,958	24					1											1
Southampton.....	do.....	103,168	53										4						
South Shields.....	Apr. 8....	102,312	34						2	3									
Stettin.....	Apr. 1....	150,000	62							1									
Stockholm.....	do.....	283,550	143							1	10	10							2
Stuttgart.....	Apr. 6....	162,934	62																
Sunderland.....	Apr. 8....	145,613	67						1	1									
Trieste.....	Mar. 26....	165,000	92					3	2	3									3
Tuxpan.....	Mar. 11....	9,000	7																
Do.....	Mar. 18....	9,000	8																
Do.....	Mar. 25....	9,000	16																
Do.....	Apr. 1....	9,000	16																
Utila, Honduras.....	Apr. 8....	550	0																
Vera Cruz.....	Apr. 13....	30,000	38																
Vienna.....	Mar. 25....	1,606,629	763						1	4	18	28							6
Do.....	Apr. 1....	1,606,629	763						1	3	8	17	13						
Warsaw.....	Mar. 25....	601,408	202							2	7	3	2						
Do.....	Apr. 1....	601,408	253					1	1	3	6	2							3
Winnipeg.....	Apr. 15....	4,900											1						
Yokohama.....	Mar. 11....	189,455						1											
Do.....	Mar. 18....	189,455											2						
Zurich.....	Apr. 1....	161,484	49																

By authority of the Secretary of the Treasury :

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