

ABSTRACT OF SANITARY REPORTS.

VOL. VII.

WASHINGTON, D. C., MAY 6, 1892.

No. 19.

[Published at the Marine-Hospital Bureau in accordance with act of Congress of April 29, 1878.]

UNITED STATES.

SPECIAL REPORTS.

GULF QUARANTINE STATION—*Yellow fever on board British bark Edinburgh while en route from Rio de Janeiro.*—The medical officer in command writes as follows, under date of April 27 :

I have the honor to report the arrival here, this day, of the British bark *Edinburgh*, forty-seven days from Rio de Janeiro, bound for Ship Island, Mississippi.

This vessel had no cases in port, but five days after departure the captain's wife was attacked with yellow fever and died on the eighth day after putting to sea.

She will be given a preliminary fumigation immediately, and after discharge of her ballast a thorough disinfection.

Reports of States, and yearly and monthly reports of cities.

MICHIGAN.—Week ended April 23, 1892. Reports to the State board of health, Lansing, from 56 observers, indicate that cholera infantum, cholera morbus, typhoid fever, measles, and typho-malarial fever increased, and that inflammation of brain, cerebro-spinal meningitis, membranous croup, inflammation of bowels, diphtheria, remittent fever, and erysipelas decreased in area of prevalence.

Diphtheria was reported present during the week at 32 places, scarlet fever at 58, enteric fever at 16, measles at 18 places, and 1 case of varioloid at Detroit.

NEW YORK.—Month of March, 1892. Reports to the State board of health from eight districts, including New York City, Brooklyn, and 147 other cities, towns, and villages, show a total of 10,978 deaths, including phthisis pulmonalis, 1,272; smallpox, 3; enteric fever, 96; scarlet fever, 285; croup and diphtheria, 531; measles, 114; and whooping cough, 48.

OHIO.—Month of March, 1892. Reports to the State board of health, Columbus, from 71 cities and towns, having an aggregate population

of 1,257,929, show a total of 2,041 deaths, including phthisis pulmonalis, 231; enteric fever, 32; scarlet fever, 23; croup and diphtheria, 119; measles, 9; and whooping cough, 13.

VIRGINIA—*Lynchburg*.—Month of April, 1892. Population, 19,709. Total deaths, 35, including phthisis pulmonalis, 1; measles, 3; and whooping cough, 1.

Publications received.

Annual report of the health department of the city of Richmond, Va., 1891.

Report of the board of health of the city of Reading, 1891.

Annual report of the medical officer of health at Newcastle-upon-Tyne, England.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—										
				Phthisis pulmonalis.	Yellow fever.	Smallpox.	Varicoid.	Varicella.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
New York, N. Y.....	Apr. 30.....	1,515,301	950	121	.....	5	.....	.....	.....	6	26	33	25	10
Chicago, Ill.....	Apr. 30.....	1,099,850	500	.....	.....	.....	.....	.....	.....	9	10	14	3	2
Philadelphia, Pa.....	Apr. 23.....	1,046,964	436	53	.....	.....	.....	.....	.....	11	8	16	1	1
St. Louis, Mo.....	Apr. 30.....	451,770	150	16	.....	.....	.....	.....	.....	1	.....	3	.....	.....
Boston, Mass.....	Apr. 30.....	448,477	201	25	.....	.....	.....	.....	.....	1	5	8	.....	1
Baltimore, Md.....	Apr. 30.....	437,439	212	20	.....	.....	.....	.....	.....	3	7	7	3	.....
San Francisco, Cal.....	Apr. 23.....	298,997	.....	19	.....	.....	.....	.....	.....	4	.....	.....	.....	1
Cincinnati, Ohio.....	Apr. 29.....	296,908	129	20	.....	.....	.....	.....	.....	1	.....	5	2	1
Cleveland, Ohio.....	Apr. 30.....	261,353	94	9	.....	.....	.....	.....	.....	.....	7	.....	.....	.....
New Orleans, La.....	Apr. 25.....	242,039	159	16	.....	.....	.....	.....	.....	1	.....	1	1	1
Washington, D. C.....	Apr. 23.....	230,392	106	16	.....	.....	.....	.....	.....	1	2	1	.....	1
Washington, D. C.....	Apr. 30.....	230,392	90	13	.....	.....	.....	.....	.....	.....	.....	2	.....	2
Milwaukee, Wis.....	Apr. 30.....	204,468	92	11	.....	.....	.....	.....	.....	.....	.....	11	1	1
Minneapolis, Minn.....	Apr. 23.....	164,738	45	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Minneapolis, Minn.....	Apr. 30.....	164,738	58	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
Louisville, Ky.....	Apr. 30.....	161,129	68	8	.....	.....	.....	.....	.....	3	.....	1	.....	.....
Rochester, N. Y.....	Apr. 30.....	133,896	58	6	.....	.....	.....	.....	.....	1	.....	3	.....	.....
Providence, R. I.....	Apr. 30.....	132,146	52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Denver, Colo.....	Apr. 2.....	106,713	38	7	.....	.....	.....	.....	.....	1	.....	2	.....	.....
Denver, Colo.....	Apr. 9.....	106,713	52	12	.....	.....	.....	.....	.....	1	7	1	.....	.....
Denver, Colo.....	Apr. 16.....	106,713	21	2	.....	.....	.....	.....	.....	1	.....	2	1	.....
Denver, Colo.....	Apr. 23.....	106,713	29	9	.....	.....	.....	.....	.....	.....	2	.....	.....	.....
Toledo, Ohio.....	Apr. 15.....	81,434	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Richmond, Va.....	Apr. 30.....	81,388	30	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nashville, Tenn.....	Apr. 30.....	76,168	32	5	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Portland, Me.....	Apr. 30.....	36,425	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Binghamton, N. Y.....	Apr. 30.....	35,005	7	2	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
Mobile, Ala.....	Apr. 30.....	31,076	21	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Auburn, N. Y.....	Apr. 30.....	25,858	6	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
San Diego, Cal.....	Apr. 23.....	16,159	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pensacola, Fla.....	Apr. 23.....	11,750	7	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....

Table of temperature and rainfall, week ended April 29, 1892.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths		
	Normal.	*Excess.	*Defic'ncy.	Normal.	Excess.	Deficiency.
New England States:						
Eastport, Me.....	42	1		.82		.02
Portland, Me.....	46		2	.70		.29
Boston, Mass.....	49		0	.77		.44
Block Island, R. I.....	47		1	.74	.04	
Middle Atlantic States:						
Albany, N. Y.....	51		4	.63		.53
New York, N. Y.....	53		1	.77		.49
Philadelphia, Pa.....	55		2	.63		.19
Atlantic City, N. J.....	51		3	.70		.08
Baltimore, Md.....	57		3	.77		.47
Washington, D. C.....	57		3	.73		.05
Lynchburg, Va.....	60		3	.76		.49
Norfolk, Va.....	60		3	.93	1.05	
South Atlantic States:						
Charlotte, N. C.....	63		3	.90		.54
Wilmington, N. C.....	65		3	.70		.56
Charleston, S. C.....	68		1	.88		.82
Augusta, Ga.....	68		2	.80		.89
Savannah, Ga.....	69		2	.77		.77
Jacksonville, Fla.....	71		1	.77		.77
Key West, Fla.....	77		0	.42	.18	
Gulf States:						
Atlanta, Ga.....	64	1		.84		.70
Pensacola, Fla.....						
Mobile, Ala.....	70		3	.98		.06
Montgomery, Ala.....	69		0	1.12		
Vicksburg, Miss.....	69		3	1.40	1.34	
New Orleans, La.....	71		2	1.25	1.31	
Shreveport, La.....	70		4	1.23	.49	
Fort Smith, Ark.....	65		2	1.31	1.31	
Little Rock, Ark.....	66		2	1.19		.98
Palestine, Tex.....	68	1		1.14	1.30	
Galveston, Tex.....	72		1	.76	.13	
San Antonio, Tex.....	71	4		.77		.61
Corpus Christi, Tex.....	72	2		.52		.44
Brownsville, Tex.....	75			.42		
Ohio Valley and Tennessee:						
Memphis, Tenn.....	65	1		1.21		.89
Nashville, Tenn.....	63		0	1.08		.10
Chattanooga, Tenn.....	64		1	1.05		.31
Knoxville, Tenn.....	62		2	1.10		.34
Louisville, Ky.....	61		3	.98		.18
Indianapolis, Ind.....	56		1	.84	.74	
Cincinnati, Ohio.....	58		2	.70		.28
Columbus, Ohio.....	55		2	.86		.79
Pittsburg, Pa.....	55		1	.63		.52
Lake Region:						
Oswego, N. Y.....	46		4	.49		.45
Rochester, N. Y.....	48		3	.56		.55
Buffalo, N. Y.....	46		4	.63		.62
Erie, Pa.....	48		2	.70		.56
Cleveland, Ohio.....	49		2	.61		.23
Sandusky, Ohio.....	50		2	.56		.16
Toledo, Ohio.....						
Detroit, Mich.....	50		4	.57		.41
Port Huron, Mich.....	45		2	.52		.00
Alpena, Mich.....	41		3	.53		.49
Marquette, Mich.....	41		8	.49		.23
Grand Haven, Mich.....	48		4	.62	.14	
Milwaukee, Wis.....	48		2	.69		.17
Chicago, Ill.....	49		2	.77		.73
Duluth, Minn.....	42		6	.62	1.04	
Upper Mississippi Valley:						
St. Paul, Minn.....	51		7	.63		.46
La Crosse, Wis.....	52		5	.59		.27
Dubuque, Iowa.....	53		4	.80		.75
Davenport, Iowa.....	54		3	.77		.09

*The figures in these columns represent the average daily departure. To obtain the accumulated excess or deficiency of the week these should be multiplied by seven.

Table of temperature and rainfall, week ended April 29, 1892—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Deficiency.	Normal.	Excess.	Deficiency.
Upper Mississippi Valley—Cont'd.						
Des Moines, Iowa.....	55		3	.86		.80
Keokuk, Iowa.....	56		1	.80		.70
Springfield, Ill.....	57		2	.91	.15	
Cairo, Ill.....	62		0	.91	.57	
St. Louis, Mo.....	61		2	.79	.05	
Missouri Valley:						
Springfield, Mo.....	61		2	1.19		.23
Kansas City, Mo.....	59		0	.88		.65
Concordia, Kans.....	57		1	.84		.48
Omaha, Nebr.....	56		1	.79		.46
Yankton, S. Dak.....	52		0	.81		.71
Valentine, Nebr.....	51	1		.66	1.14	
Huron, S. Dak.....	50		2	.77		.19
Pierre, S. Dak.....	52		2	.42	.42	
Extreme Northwest:						
Moorhead, Minn.....	45		3	.49	.93	
Saint Vincent, Minn.....	42		6	.35	.55	
Bismarek, N. Dak.....	47		6	.56	1.28	
Buford, Fort, N. Dak.....	48		9	.35	2.01	
Rocky Mountain Slope:						
Assiniboine, Fort, Mont.....	48		11	.21	.06	
Helena, Mont.....	48		8	.28		.16
Spokane, Wash.....	52		8	.28	.40	
Salt Lake City, Utah.....	54		5	.53		.27
Cheyenne, Wyo.....	46		1	.38		.36
North Platte, Nebr.....	53		0	.63		.19
Denver, Colo.....	51	1		.56		.56
Montrose, Colo.....	52		0	.31		.09
Pueblo, Colo.....	54	1		.42		.42
Dodge City, Kans.....	58		1	.60		.51
Abilene, Tex.....	67	4		1.06		.30
El Paso, Tex.....	68	4		.00		.00
Santa Fé, N. Mex.....	51	2		.14		.14
Tucson, Ariz.....	69		0	.01		.01
Pacific Coast:						
Olympia, Wash.....	51		3	.70		
Portland, Oreg.....	55		6	.68	1.28	
Roseburg, Oreg.....	54		5	.57	.18	
Red Bluff, Cal.....						
Sacramento, Cal.....	61		6	.56		.42
San Francisco, Cal.....	57		5	.39		.05
Los Angeles, Cal.....	61		2	.28		.28
San Diego, Cal.....						
Yuma, Ariz.....						

* The figures in these columns represent the average daily departure. To obtain the accumulated excess or deficiency of the week these should be multiplied by seven.

FOREIGN.

(Reports received through the Department of State and other channels.)

Consular reports from Russia concerning typhus fever.

ODESSA.

CONSULATE OF THE UNITED STATES,
Odessa, Russia, April 13, 1892.

SIR: I have the honor to acknowledge the receipt of instruction from the Department of State No. 140, dated March 19 last, together with the inclosure mentioned therein, and have immediately requested the acting consular agent at Rostov on Don to send in his report, as ordered by said instruction.

I also took all the steps in my power to ascertain the particulars of the case of the steamship *Massilia*, and the present condition of Odessa with regard to typhus fever, and I arrived at the following results, which I beg to submit to the Department:

According to the official statement received from General-Lieutenant Lelenoy, the prefect of Odessa, in reply to my request, the steamship *Massilia* can not have "taken on board at Odessa a party of 1,538 Hebrew emigrants to New York, as no emigration to America by any steamers takes place from this port."

From the local agent of Lloyd's I learn that the French steamer *Massilia* sailed from New York the 25th of November, 1891, and arrived at Marseilles the 14th of December; that she left Marseilles again for New York the 1st of January, 1892, touched at Naples the 3d of January, passed Tarifa the 12th of January, and arrived at New York the 30th of January.

This seems fully to explain the *Massilia* case, and whether emigrants of whatever nationality she carried she can only have taken on board at Marseilles or Naples.

As to the typhus fever now at Odessa, I beg to say that the greatest part of typhus recurrens took place during the winter in the Odessa night asyles for poor people. By orders of the chief surgeon these places have been regularly and conscientiously disinfected since the beginning of March month, and since that time this epidemic is greatly diminishing, whilst the spotted typhus is apparently increasing now.

I beg to inclose a statement yesterday received from the senior surgeon of the town hospitals illustrating the course of the disease since the 1st of January. The figures given therein speak for themselves, and I therefore abstain from all commentaries on the extent or virulence of the typhus fever.

The report of the acting consular agent at Rostov on Don has not come in as yet, but will be forwarded as soon as it reaches this office.

I am, sir, your obedient servant.

J. H. VOLKMANN,
U. S. Vice and Acting Consul.

HON. WILLIAM F. WHARTON,
Assistant Secretary of State, Washington, D. C.

Return for typhus recurrens, spotted typhus, and typhus abdominalis.

	TYPHUS RECURRENS.			SPOTTED TYPHUS.			TYPHUS ABDOMINALIS.		
	Cases of—			Cases of—			Cases of—		
	Sickness.	Recovery.	Death.	Sickness.	Recovery.	Death.	Sickness.	Recovery.	Death.
1892.									
January :									
First week.....	151	30	1	5	1		5	2	1
Second week.....	198	41	3	2		1	2	1	
Third week.....	186	131	3	1			3		
Fourth week.....	256	111	3	6	3		4	1	
Total.....	791	313	10	14	4	1	14	4	1
February :									
First week.....	201	154	9	10	4	1	3	1	
Second week.....	146	159	6	3	2	1	1	6	
Third week.....	119	205	7	2	4		3	1	
Fourth week.....	114	142	11	11	3		4	1	1
Total.....	580	660	33	26	13	2	11	9	1
March :									
First week.....	139	149	6	7	5		4	2	
Second week.....	97	153	3	13	6		2	7	
Third week.....	82	139	1	8	4	1	2	1	
Fourth week.....	30	63	2	12	6	2	1	1	
Total.....	348	504	12	40	21	3	9	11	
In all.....	1,719	1,477	55	80	38	6	34	24	2
Mortality.....			3.19%			7.50%			5.88%

J. H. VOLKMANN,
U. S. Vice and Acting Consul.

NOTE.—The following extract from the New York Sun of February 12, 1892, indicates how the typhus on the *Massilia* was brought from Odessa :

It has been more than four months since a steamer that runs between Odessa and Constantinople took aboard, at Odessa, a band of 1,558 Russian and Polish Hebrews. Some of them belonged in Odessa, others came from the Lithuanian or Polish provinces. A few came from those districts where the famine has been at its worst. To all these unfortunates Russia was a place of hunger and ill treatment. The managers of the Baron Hirsch fund bought passage for the exiles as far as Constantinople, with the intention of sending them on to Palestine. The Sultan refused to permit them to enter, and said they must seek another place of refuge. An effort to reach Palestine through Smyrna was equally fruitless.

A few who were too sick and exhausted to go further were left behind, and the rest went to Marseilles. Thence most of them sailed for the Argentine, and the others were transferred to the *Massilia*. When the *Massilia* reached Naples a few more had given way under fatigue and suffering. Typhoid fever had appeared. The seriously sick were sent ashore to be cured in Neapolitan hospitals. Of their fate nothing is known here.

WARSAW.
CONSULATE OF THE UNITED STATES,
Warsaw, April 2, 1892.

SIR : Your dispatch of March 19 at hand. I have immediately made the inquiry among the medical men and at the office of the board of health, but no trace can be found of any epidemic of typhus fever in the last times in Poland.

In case of prevalence of any epidemic disease, I should, according to paragraphs 333 and 335 of C. R., make use of the cable.

I am, sir, your obedient servant,

JOSEPH RAWICZ,
U. S. Consul.

Hon. WILLIAM F. WHARTON,
Assistant Secretary of State, Washington, D. C.

RIGA.

CONSULATE OF THE UNITED,
Riga, April 8, 1892.

SIR: I have the honor to inform you in reply to dispatch No. 7, from the Department of State, dated March 21, that in this consular district there is at present no typhus fever prevailing, only some few cases of death from this disease having occurred during the last months.

In case this disease should take an epidemic form, I shall not fail to observe the regulation laid down with respect to infectious and contagious diseases.

I have the honor to be, sir, your obedient servant,

NEILS P. A. BOMHOLDT,
Consul.

Hon. WILLIAM F. WHARTON,
Assistant Secretary of State, Washington, D. C.

HELSINGFORS, WIBORG, AND ABO.

UNITED STATES CONSULATE,
Helsingfors, April 11, 1892.

SIR: I am in receipt of your dispatch of the 19th ultimo, with an inclosure of a letter from the Secretary of the Treasury, regarding the sporadic importation from Russia of typhus fever into New York City.

I beg to inform you that the sanitary condition of Helsingfors and its district is and has been for a considerable time satisfactory, and that there have been no traces of typhus fever or any other contagious disease in an epidemic form here for a long time past. I am glad to inform you that the same satisfactory state of things prevails in the consular districts of Wiborg and Abo, according to reports just received from the consular agents in those towns.

I also beg to inform you that the sanitary condition of Finland in general is satisfactory, and that no epidemic of any kind has existed in the country for many years. The most trying illness that has prevailed during the cold weather months has been influenza, which has been attended more or less with fatal results. This illness is, however, gradually diminishing with the coming of the milder weather.

I am, sir, your obedient servant,

HERMAN DONNER,
Vice and Acting Consul.

Hon. WM. F. WHARTON,
Acting Secretary of State, Washington.

Sanitary Commission at Constantinople—Report of the United States Commissioner.

REPORT NO. 44.

The sanitary news which comes from the provinces is good. Besides little epidemics of smallpox and typhoid fever, there exist no cholera epidemic nor plague. On the contrary, the English sanitary representative reported at the last sitting of the International Sanitary Commission that smallpox rages in British India.

The Ottoman sanitary representative at Teheran in Persia, by a dispatch dated 10th of April, states that cholera does exist at Herat, but he does not give any details; he announces, though, that by post he will give them.

In Constantinople the health is rather good, though the weather has been very variable these last weeks. The thermometric variations, for instance, present, for the month of March, a difference of 10 and more degrees centigrade.

On the 4th of this month the degree minima was 2 degrees above zero and the maxima was that of 12; on the 14th of the same month we had a temperature of 2 degrees above zero minima and 16 maxima; on the 15th the temperature varied between 5 and 19. The consequence of such sudden variations of temperature was the outbreak of a small epidemic of bronchitis and pneumonia, which raged especially among little children. There exists also a light epidemic of mumps, which rages among the soldiers and in a few schools. Typhoid fever also exists, but it does not prove fatal.

The physicians practicing on the Asiatic coast of the Bosphorus state that there exist there many cases of measles.

I must not omit to say that smallpox is raging continually, and many deaths occur from this epidemic.

SPIRIDION C. ZAVITZIANO.

CONSTANTINOPLE, *April 15, 1892.*

BAHAMAS—*Dunmore Town.*—Two weeks ended April 21, 1892. Population, 1,472. One death.

Governor's Harbor.—Two weeks ended April 23, 1892. Population, 1,115. Total deaths, 2.

Green Turtle Cay—Abaco.—Two weeks ended April 20, 1892. Population, 3,686. One death.

CUBA—*Havana.*—Under date of April 23, 1892, the United States sanitary inspector reports as follows:

There were 138 deaths in this city during the week ended April 21, 1892. Five of those deaths were caused by yellow fever, 6 by enteric fever, 1 by so-called pernicious fever, 1 by diphtheria, 2 by paludal fever, and 1 by the grippe.

BELGIUM—*Ghent—Outbreak of smallpox—Rags should be disinfected before leaving this port for the United States.*—The following letter, dated April 12, 1892, has been received through the Secretary of State:

I have the honor to respectfully call the attention of the Department to the smallpox epidemic now existing in this city, and the consequent

danger of the conveyance of the infection in the rags which are shipped in extensive quantities from this port to the United States.

By the official sanitary reports forwarded to the Department each week it will be seen that there were 13 deaths from smallpox within the city limits for the three weeks ended April 2, of which 6 were within the week ended that date. The epidemic at this writing seems to be increasing.

There are over 100 cases. I send inclosed a copy of a municipal enactment dated April 8, 1892, on the subject of free vaccination, in accordance with which no less than 1,474 persons were vaccinated at the expense of the town on April 10. I recently learned that an outbreak of smallpox here several months ago, which resulted in a few deaths, occurred exclusively among workmen at the docks who had been employed in unloading old rags arriving from France.

In view of the facts that the bulk of the rags exported from Ghent to the United States are of French origin before their manipulation here, and that no efforts are made to disinfect them in any stage of the preparation for shipment, which I had the honor of reporting to the Department in dispatch No. 26, dated June 27, 1890, I now believe that our Government should take precautionary measures, particularly against old rags, the more so because there is ground for believing that the malignant germs resulting in the present epidemic were introduced into Ghent by rags that are freely reshipped to New York, Boston, Philadelphia, whence I understand they find their way to the paper mills in many other cities.

The prohibition of the importation of rags from this port will doubtless not be considered by the Department either necessary or expedient under the present circumstances above described. However, I recommend a thorough and obligatory disinfection, under consular control, of every bale of old rags, if of no other variety of paper stock, sent from here to the United States for some time to come, this disinfection to be before and conditional to the authentication of the invoices. A trifling charge on each bale would not constitute a burdensome expense to the rag merchants, and the system would be a reasonable security to the public health of the United States.

NOTE.—Request has been made of the Secretary of the Treasury to extend the provisions of the Department circular of October 9, 1891, requiring disinfection of rags at Marseilles, to the port of Ghent.

FRANCE—*Nantes*.—Month of March, 1892. Population, 127,482. Total deaths, 289, including typhus fever, 4; enteric fever, 21; and diphtheria, 2.

Nice.—Month of March, 1892. Population, 97,720. Total deaths, 237, including smallpox, 3; phthisis pulmonalis, 18; enteric fever, 1; diphtheria and croup, 4; and whooping cough, 1.

Rouen.—Month of March, 1892. Population, 111,847. Total deaths, 288, including phthisis pulmonalis, 46; enteric fever, 5; croup, 1; and whooping cough, 1.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 33 great towns of England and Wales during the week ended April 16

corresponded to an annual rate of 20.9 a thousand of the aggregate population, which is estimated at 10,185,736. The lowest rate was recorded in Burnley, viz, 13.2, and the highest in Salford, viz, 28.3 a thousand.

London.—One thousand five hundred and ninety deaths were registered during the week, including measles, 113; scarlet fever, 14; diphtheria, 33; whooping cough, 66; typhus fever, 1; enteric fever, 4; and diarrhea and dysentery, 17. The deaths from all causes corresponded to an annual rate of 17.9 a thousand. Diseases of the respiratory organs caused 403 deaths. In greater London 1,955 deaths were registered, corresponding to an annual rate of 17.7 a thousand of the population. In the "outer ring" the deaths included diphtheria, 8; whooping cough, 19; and measles, 12.

Newcastle-upon-Tyne.—Two weeks ended April 16, 1892. Population, 192,205. Total deaths, 165, including diphtheria 3.

Sunderland.—Two weeks ended April 16, 1892. Population, 132,839. Total deaths, 118, including typhus, 1; scarlet fever, 1; and diphtheria, 1.

Ireland.—The average annual death rate represented by the deaths registered during the week ended April 16, in the 16 principal town districts of Ireland, was 28.5 a thousand of the population. The lowest rate was recorded in Kilkenny, viz, 0.0, and the highest in Galway, viz, 75.6 a thousand. In Dublin and suburbs 205 deaths were registered, including typhus, 2; enteric fever, 4; diphtheria, 2; influenza, 2; measles, 14; and whooping cough, 4.

Scotland.—The deaths registered in 8 principal towns during the week ended April 16 corresponded to an annual rate of 22.5 a thousand of the population, which is estimated at 1,447,500. The lowest mortality was recorded in Paisley, viz, 15.3, and the highest in Perth, viz, 27.5 a thousand. The aggregate number of deaths registered from all causes was 625, including smallpox, 1; measles, 18; scarlet fever, 4; diphtheria, 10; whooping cough, 24; fever, 8; and diarrhea, 9.

INDIA—Singapore.—Month of February, 1892. Total deaths, 443, including "fevers" 144 and smallpox 6.

MALTA AND GOZO.—Two weeks ended March 15, 1892. Total deaths, 183, including influenza, 14; measles, 4; and diphtheria, 1.

NEW ZEALAND.—Year of 1891. Reports to the registrar-general from the 4 principal cities and towns, having an aggregate population of 98,233, show a total of 1,331 deaths, including phthisis pulmonalis, 112; influenza, 1; enteric fever, 1; diphtheria, 1; and whooping cough, 17.

SWITZERLAND—*Lucerne*.—Month of March, 1892. Population, 21,000. Total deaths, 41, including typhus fever, 1; scarlet fever, 4; and diphtheria, 2.

WEST INDIES—*St. Thomas*.—Year of 1891. Total deaths, 378, including phthisis pulmonalis, 57; leprosy, 1; diphtheria, 3; and croup, 3.

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.
London	Apr. 9	5,752,204	2,266			3			22	46	126	
London	Apr. 16	5,752,204	1,955				1	4	14	41	125	
Paris	Apr. 9	2,424,705	1,156			1		10	5	38	34	5
Paris	Apr. 16	2,424,705	1,050			1		9	5	20	31	5
Vienna	Apr. 2	1,406,933	717					3	4	30	37	
Glasgow	Apr. 9	669,059	356					4	1	1		
Glasgow	Apr. 16	669,059	328					5	1	5		
Hamburg	Apr. 2	570,534	262					3	4	7		
Liverpool	Apr. 9	517,951	265				2	1	1	1		
Liverpool	Apr. 16	517,951	277				1	2	2			
Warsaw	Apr. 2	490,418	258					3	1	4		
Brussels	Apr. 9	482,158	190			5		8		4		
Rome	Mar. 12	436,179	177							5	3	
Rome	Mar. 19	436,179	192			1				6	3	
Amsterdam	Apr. 2	426,480	178				1			3		
Lyons	Apr. 2	416,029	188					2	1	4		
Lyons	Apr. 9	416,029	188					3	3	8		
Cairo	Mar. 31	374,838	293			2		3		1		3
Munich	Apr. 26	366,000	221						1	4		
Munich	Apr. 2	366,000	170						1	4		
Copenhagen	Apr. 9	326,000	146						1	6		
Odessa	Apr. 2	302,000	140						3	1	1	
Odessa	Apr. 9	302,000	161				2		1			
Cologne	Apr. 2	292,082	184							9		5
Cologne	Apr. 9	292,082	149							14	1	6
Dresden	Apr. 2	279,024	125					1	1	10		6
Dresden	Apr. 9	279,024	108						1	9		
Barcelona	Apr. 15	272,000	94			4				4		
Edinburgh	Apr. 9	264,787	103						1			
Edinburgh	Apr. 16	264,787	101						1			
Belfast	Apr. 9	255,922	187						3		1	
Palermo	Apr. 9	250,000	90							2		
Antwerp	Apr. 9	241,263	97						2	4		
Antwerp	Apr. 16	241,263	106						1	2		
Alexandria	Mar. 31	231,396	194			3	1	1				
Rotterdam	Apr. 9	216,679	151							2		
Rotterdam	Apr. 16	216,679	143						2			
Pernambuco	Mar. 17	200,000	62				2	6				
Pernambuco	Mar. 24	200,000	65					1				
Pernambuco	Mar. 31	200,000	74				1	6				
Hanover	Apr. 2	185,200	57						2	3		
Hanover	Apr. 9	185,200	72						1	4		
Prague	Apr. 9	183,703	132			3		1	1	5		
Genoa	Apr. 9	181,371	108			1		1	1	1	1	
Genoa	Apr. 16	181,371	108			1		1	1	1	1	
Frankfort-on-the-Main	Apr. 2	180,000	101						1	3		
Frankfort-on-the-Main	Apr. 9	180,000	91							7		
Venice	Mar. 26	161,130	80							2		
Venice	Apr. 2	161,130	59							2		
Venice	Apr. 9	161,130	81					1		1		
Trieste	Apr. 2	158,054	104							1		
Trieste	Apr. 9	158,054	100							1		
Christiania	Apr. 2	151,130	52							9		
Christiania	Apr. 9	151,130	60							1		
Ghent	Apr. 15	150,208	78								1	
Nuremberg	Mar. 26	149,506	89			8		1		2	1	
Nuremberg	Apr. 2	149,506	72						1			
Stuttgart	Apr. 16	139,659	33							6		
Funchal	Apr. 9	133,250	21									
Bremen	Apr. 2	126,000	65							1		
Bremen	Apr. 9	126,000	54							3		

MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated popula- tion.	Total deaths from all causes.	Deaths from—								
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Elberfeld.....	Apr. 2.....	126,000	59									1
Stettin.....	Apr. 9.....	116,500	47									
Stettin.....	Apr. 16.....	116,500	52								2	
Havre.....	Apr. 9.....	116,369	81			1		1				5
Barmen.....	Apr. 2.....	116,000	46							1		
Crefeld.....	Apr. 9.....	108,000	85							1		
Aix-la-Chapelle.....	Apr. 3.....	106,427	68				1					
Aix-la-Chapelle.....	Apr. 10.....	106,427	53							2		
Gothenburg.....	Apr. 9.....	105,800	38									
Gothenburg.....	Apr. 16.....	105,800	43									
Rheims.....	Apr. 16.....	105,400	55			1					2	1
Leghorn.....	Apr. 10.....	103,395	35					1				
Leghorn.....	Apr. 17.....	103,395	39									
Zurich.....	Apr. 2.....	91,323	20						4	4	5	1
Mannheim.....	Apr. 9.....	80,000	41							2		
Mannheim.....	Apr. 16.....	80,000	35							2		
Pará.....	Mar. 13.....	80,000	51						6			
Pará.....	Mar. 20.....	80,000	54		6			3				
Pará.....	Mar. 27.....	80,000	49	1	5			2				
Pará.....	Apr. 3.....	80,000	43		2							
Pará.....	Apr. 10.....	80,000	46	1	2			4	6			
Mayence.....	Mar. 26.....	72,281	48									
Mayence.....	Apr. 2.....	72,281	44					1		1		
Mayence.....	Apr. 9.....	72,281	48							1		
Leith.....	Apr. 9.....	69,956	25						1			
Leith.....	Apr. 16.....	69,956	21									
Jerez de la Frontera.....	Apr. 2.....	61,708	39							3		
Jerez de la Frontera.....	Apr. 9.....	61,708	39							4		
Georgetown, Demerara.....	Mar. 19.....	53,176	61									
Georgetown, Demerara.....	Mar. 26.....	53,176	62									
Georgetown, Demerara.....	Apr. 2.....	53,176	70									
Merida.....	Apr. 4.....	47,000	32									
Merida.....	Apr. 11.....	47,000	40									
Merida.....	Apr. 18.....	47,000	38									
Trapani.....	Apr. 9.....	43,095	11									
Marsala.....	Apr. 9.....	40,131	27									
Gibraltar.....	Apr. 10.....	25,755	15							1		
Gibraltar.....	Apr. 17.....	25,755	8					1				
Schiedam.....	Apr. 9.....	25,371	11									
Schiedam.....	Apr. 16.....	25,371	11									
Cartagena.....	Apr. 2.....	25,000	11									
Vera Cruz.....	Apr. 15.....	25,000	8						1	2		
Vera Cruz.....	Apr. 22.....	25,000	9									
Girgenti.....	Apr. 9.....	23,947	7									
Kingston, Can.....	Apr. 22.....	19,264	7									
Kingston, Can.....	Apr. 29.....	19,264	14									
Sagua la Grande.....	Apr. 18.....	18,109	10									
Victoria.....	Mar. 26.....	16,841	8									
Victoria.....	Apr. 2.....	16,841	6									
Victoria.....	Apr. 9.....	16,841	8									
Victoria.....	Apr. 16.....	16,841	9									
Victoria.....	Apr. 23.....	16,841	6									
Antigua.....	Mar. 26.....	16,664	14									
Antigua.....	Apr. 2.....	16,664	20									
Flushing.....	Apr. 9.....	14,000	4									
Flushing.....	Apr. 16.....	14,000	2									
St. Thomas, W. I.....	Mar. 25.....	12,019	37							1		
St. Thomas, W. I.....	Apr. 1.....	12,019	36									
Matamoras.....	Apr. 15.....	12,000	12									
Matamoras.....	Apr. 22.....	12,000	14									
Sonneberg.....	Apr. 9.....	12,000	9							1		
Sonneberg.....	Apr. 16.....	12,000	2									
Guelph.....	Apr. 23.....	10,539	5									
Queenstown.....	Apr. 16.....	10,340	5									
Queenstown.....	Apr. 23.....	10,340	13									
Chatham.....	Apr. 16.....	10,000	3									
Chatham.....	Apr. 23.....	10,000	2									
Port Sarnia.....	Apr. 23.....	6,600	1									
Clifton.....	Apr. 23.....	3,249	1									

OFFICIAL:

WALTER WYMAN,

Supervising Surgeon-General Marine-Hospital Service.