

ABSTRACT OF SANITARY REPORTS.

VOL. VII.

WASHINGTON, D. C., JUNE 10, 1892.

No. 24.

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

UNITED STATES.

SPECIAL REPORTS.

Infected vessel at Delaware Breakwater Quarantine.—The following dispatch was received from Acting Assistant Surgeon Orr, dated June 6, 1892: "British ship *Elmbank*, infected vessel, forty-nine days from Rio, arrived last night."

Infected bark Faust at South Atlantic Quarantine Station.—Passed Assistant Surgeon Glennan, under date of June 1, 1892, writes as follows:

I have the honor to report the arrival at this station to-day of the Norwegian bark *Faust*, forty-three days from Santos to Tybee roads for orders. This vessel lay in Santos harbor two months, and all of the crew, at one time or another, were sick in hospital, two having died, and two were left there. One death occurred at sea on May 13, from yellow fever, and two others recovered. Personal inspection shows the vessel to be mechanically not unclean, but she is undoubtedly infected, and will be unballasted, thoroughly fumigated, etc., and held for observation.

Smallpox in Ohio.—Under date of June 6, 1892, Dr. C. O. Probst, secretary of the State board of health, reports 1 case of smallpox at Minersville, 1 at Chester, 23 at Pomeroy, 1 at Middleport, and 1 at Gallipolis. The State board of health has appointed inspectors and quarantined all cases.

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

FLORIDA — *Pensacola.*—Month of May, 1892. Population, 11,750. Total deaths, 30, including phthisis pulmonalis, 1; enteric fever, 2; and measles, 1.

IOWA. —Month of April, 1892. The following mortuary report is taken from the *Monthly Bulletin* for January:

Burlington.—April: No report.

Cedar Rapids.—April: Consumption, 1; pneumonia, 2; puerperal fever, 1. Total deaths, 12. Population (estimated), 24,000. Death rate per 1,000, 0.5. For March, 0.56.

Council Bluffs.—April: Consumption, 2; pneumonia, 2; diphtheric croup, 2; meningitis, 1; malarial fever, 1. Total deaths, 20. Population (estimated), 35,000. Death rate per 1,000, 0.5. For March, 0.4.

Davenport.—April: Consumption, 4; pneumonia, 6; diphtheria, 4; scarlet fever, 3. Total deaths, 47. Population (estimated), 34,000. Death rate per 1,000, 1.01. For March, 1.01.

Des Moines.—April: Typhoid fever, 1; consumption, 7; pneumonia, 1; diphtheria, 1; scarlet fever, 1; measles, 1; meningitis, 4; whooping cough, 1; la grippe, 1. Total deaths, 42. Population, 62,000. Death rate per 1,000, 0.87. For March, 0.8.

Dubuque.—April: No report.

Keokuk.—April: Consumption, 3; pneumonia, 2; meningitis, 1. Total deaths, 21. Population, 35,000. Death rate per 1,000, 0.6. For March, 0.6.

Muscatine.—April: Consumption, 3; scarlet fever, 1; measles, 2; membranous croup, 1. Total deaths, 12. Population, 12,000. Death rate per 1,000, 1.

Oskaloosa.—April: Consumption, 1; pneumonia, 2. Total deaths, 4. Population, 7,300. Death rate per 1,000, 0.6. For March, 0.7.

Ottumwa.—April: Membranous croup, 2. Total deaths, 8. Population, 15,000. Death rate per 1,000, 0.5. For March, 0.5.

MICHIGAN.—Week ended May 28, 1892. Reports to the State board of health, Lansing, from 49 observers, indicate that smallpox, typho-malarial fever, diphtheria, whooping cough, erysipelas, diarrhea, measles, cholera infantum, and inflammation of brain increased, and that puerperal fever, scarlet fever, intermittent fever, pneumonia, and cholera morbus decreased in area of prevalence.

Diphtheria was present during the week at 45 places, scarlet fever at 54, enteric fever at 9, measles at 19 places, and 1 case of smallpox in Green Oak township.

Month of May, 1892. Compared with the preceding month, the 245 reports received indicate that smallpox, cerebro-spinal meningitis, cholera morbus, membranous croup, inflammation of brain, and typhoid fever increased, and that typho-malarial fever, puerperal fever, influenza, erysipelas, and tonsillitis decreased in area of prevalence.

For the month of May, 1892, compared with the average for the month of May in the six years, 1886-1891, membranous croup, diphtheria, and typhoid fever were more prevalent, and typho-malarial fever, measles, whooping cough, erysipelas, consumption of lungs, influenza, intermittent fever, and dysentery were less prevalent in May, 1892.

Including reports by regular observers and others, diphtheria was reported present in Michigan in the month of May, 1892, at 81 places, scarlet fever, 111; typhoid fever, 24; measles, 39; 1 case of varioloid at Detroit, and 1 case of smallpox in Green Oak township.

Reports from all sources show diphtheria reported at 25 places more, scarlet fever at 17 places less, typhoid fever at 11 places less, and measles at 2 places more in the month of May, 1892, than in the preceding month.

NORTH CAROLINA.—Month of April, 1892. Reports to the State board of health from 19 cities and towns, having an aggregate population of 96,600, show a total of 143 deaths, including phthisis pulmonalis, 17; enteric fever, 2; scarlet fever, 1; measles, 1; and whooping cough, 2.

OHIO.—Month of April, 1892. Reports to the State board of health from 64 cities and towns, having an aggregate population of 1,267,822, show a total of 1,833 deaths, including croup and diphtheria, 98; enteric fever, 19; scarlet fever, 17; measles, 11; and whooping cough, 13.

Cincinnati.—Month of May, 1892. Population, 296,908. Total deaths, 448, including phthisis pulmonalis, 55; enteric fever, 4; scarlet fever, 7; diphtheria, 18; croup, 4; and whooping cough, 4.

DAYTON.—Month of May, 1892. Population, 61,220. Total deaths, 89, including phthisis pulmonalis, 20; enteric fever, 2; and croup, 2.

VIRGINIA—Lynchburg.—Month of May, 1892. Population, 19,709. Total deaths, 50, including phthisis pulmonalis, 7; enteric fever, 3; diphtheria, 1; measles, 2; and whooping cough, 4.

Publications received.

Eleventh annual report of the Illinois State board of health, 1888.

Annual report of the board of health of the city of Manchester, N. H., 1891.

Annual report on St. Lawrence Quarantine Service, by F. Montizambert, M. D.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

[illegible]

Table of temperature and rainfall, week ended June 6, 1892.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths		
	Normal.	*Excess.	*Deficiency.	Normal.	Excess.	Deficiency.
New England States:						
Eastport, Me.....	51	2	.....	1.30	.....	.52
Portland, Me.....	58	4	.....	1.10	.....	.71
Boston, Mass.....	61	7	.....	1.15	.....	.83
Block Island, R. I.....	57	2	.....	1.14	.....	.78
Middle Atlantic States:						
Albany, N. Y.....	64	3	.....	1.17	.....	.11
New York, N. Y.....	64	4	.....	1.00	.....	.60
Philadelphia, Pa.....	68	2	.....	1.10	.....	.70
Atlantic City, N. J.....	62	1	.....	1.00	.....	.93
Baltimore, Md.....	68	5	.....	1.26	.....	.96
Washington, D. C.....	68	5	.....	1.40	.....	1.34
Lynchburg, Va.....	70	2	.....	1.20	.37	.....
Norfolk, Va.....	70	3	.....	1.36	.....	1.12
South Atlantic States:						
Charlotte, N. C.....	72	0	.....	1.50	.64	.....
Wilmington, N. C.....	74	.....	1	1.78	.....	.84
Charleston, S. C.....	76	.....	2	1.56	1.66	.....
Augusta, Ga.....	76	.....	2	1.23	.33	.....
Savannah, Ga.....	76	.....	1	1.98	.....	.24
Jacksonville, Fla.....	78	.....	2	1.76	.46	.....
Key West, Fla.....	81	.....	1	1.30	.....	.61
Gulf States:						
Atlanta, Ga.....	72	1	.....	1.36	1.30	.....
Pensacola, Fla.....	77	.....	.....	1.76	.....	.....
Mobile, Ala.....	77	0	.....	1.85	.....	1.21
Montgomery, Ala.....	77	0	.....	1.51	.14	.....
Vicksburg, Miss.....	76	.....	2	1.50	.04	.....
New Orleans, La.....	78	0	.....	2.08	.....	1.46
Shreveport, La.....	78	.....	4	1.34	.....	.53
Fort Smith, Ark.....	74	.....	5	1.46	1.18	.....
Little Rock, Ark.....	73	.....	4	1.64	1.96	.....
Palestine, Tex.....	75	.....	1	1.53	.....	.69
Galveston, Tex.....	79	.....	3	1.66	.....	1.22
San Antonio, Tex.....	78	1	.....	.94	.....	.09
Corpus Christi, Tex.....	78	0	.....	1.11	.....	.65
Brownsville, Tex.....	80	1	.....	1.20	.....	1.20
Ohio Valley and Tennessee:						
Memphis, Tenn.....	74	.....	3	1.66	2.60	.....
Nashville, Tenn.....	72	0	.....	1.26	2.36	.....
Chattanooga, Tenn.....	72	1	.....	1.46	1.22	.....
Knoxville, Tenn.....	70	1	.....	1.36	.25	.....
Louisville, Ky.....	70	3	.....	1.38	.56	.....
Indianapolis, Ind.....	67	4	.....	1.57	2.87	.....
Cincinnati, Ohio.....	69	2	.....	1.39	.....	.84
Columbus, Ohio.....	66	5	.....	1.34	.....	.51
Pittsburg, Pa.....	67	5	.....	1.10	.29	.....
Lake Region:						
Oswego, N. Y.....	59	4	.....	1.06	.98	.....
Rochester, N. Y.....	60	7	.....	1.16	2.00	.....
Buffalo, N. Y.....	59	4	.....	1.11	.48	.....
Erie, Pa.....	61	4	.....	1.37	2.13	.....
Cleveland, Ohio.....	62	6	.....	1.26	.46	.....
Sandusky, Ohio.....	64	4	.....	1.45	.45	.....
Toledo, Ohio.....	64	.....	.....	1.16	.....	.....
Detroit, Mich.....	62	4	.....	1.26	.....	3.28
Port Huron, Mich.....	58	4	.....	1.16	2.09	.....
Alpena, Mich.....	54	2	.....	1.30	.55	.....
Marquette, Mich.....	53	.....	1	1.18	.....	.68
Grand Haven, Mich.....	58	1	.....	1.28	1.33	.....
Milwaukee, Wis.....	58	.....	5	1.26	.75	.....
Chicago, Ill.....	62	.....	6	1.30	.....	.12
Duluth, Minn.....	53	.....	2	1.65	.37	.....
Upper Mississippi Valley:						
St. Paul, Minn.....	63	.....	3	1.39	.11	.....
La Crosse, Wis.....	63	.....	3	1.39	.....	.39
Dubuque, Iowa.....	64	.....	4	1.48	2.05	.....
Davenport, Iowa.....	66	.....	4	1.50	1.17	.....

*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 June 6, 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.....	66		6	1.98	.58	
Keokuk, Iowa.....	67		2	1.65	.33	
Springfield, Ill.....	67		1	1.96		.35
Cairo, Ill.....	71		1	1.39	.41	
St. Louis, Mo.....	70		2	1.65	.66	
Missouri Valley						
Springfield, Mo.....	70		5	2.09	3.21	
Kansas City, Mo.....	70		6	1.75	2.23	
Concordia, Kans.....	68		5	1.40	1.48	
Omaha, Nebr.....	67		5	1.69		1.17
Yankton, S. Dak.....	64		4	1.50		1.35
Valentine, Nebr.....	62		5	1.24		.24
Huron, S. Dak.....	61		2	1.19		.33
Pierre, S. Dak.....	63		4	1.16	.46	
Extreme Northwest:						
Moorhead, Minn.....	59		2	1.18		.21
Saint Vincent, Minn.....	57		3	.95		.16
Bismarck, N. Dak.....	60		6	1.09		.16
Buford, Fort, N. Dak.....	60		6	.89		.71
Rocky Mountain Slope:						
Havre, Mont.....	58		4	.87		.53
Helena, Mont.....	57		6	.69		.34
Spokane, Wash.....	60		5	.55	.04	
Salt Lake City, Utah.....	64		5	.34		.04
Cheyenne, Wyo.....	56		5	.60	1.16	
North Platte, Nebr.....	62		6	1.06		.03
Denver, Colo.....	62		5	.55	1.06	
Montrose, Colo.....	62		5	.04	.43	
Pueblo, Colo.....	66		5	.40	.22	
Dodge City, Kans.....	68		6	1.10	.00	
Abilene, Tex.....	75	1		1.14	.72	
El Paso, Tex.....	78		2	.10		.10
Santa Fe, N. Mex.....	61		2	.30		.12
Tucson, Ariz.....	78		4	.00	.00	
Pacific Coast:						
Olympia, Wash.....	57		3	.64	.60	
Portland, Oreg.....	62		6	.70		.33
Roseburg, Oreg.....	60		3	.50		.41
Red Bluff, Cal.....	71	3		.22		
Sacramento, Cal.....	67	4		.10		.10
San Francisco, Cal.....	59		1	.10		.10
Los Angeles, Cal.....	66		1	.10		.08
San Diego, Cal.....	63		0	.10		.10
Yuma, Ariz.....	81	1		.00	.00	.00

* 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.)

Fatal disease among cattle in Senegal and a possibility of infected hides being shipped to the United States.

Under date of May 9, 1892, the United States consul at Goree-Dakar writes as follows :

An epidemic very fatal in its effects is now prevailing among the cattle of Senegal. The animals are seized with a violent trembling, which is followed by feverish symptoms, and death frequently follows in the course of a few hours. The disease was reported in March in the interior, but it has now reached the coast.

No beef animals are at present allowed to be slaughtered for the markets, and the health authorities have directed that the bodies of animals dying with the disease shall be burned. Kalaton is practiced as much as possible, but hitherto it has not seemed of much avail in checking the disease.

Although the health authorities have directed that the bodies of all animals which die with the disease shall be burned, I do not suppose that this advice will be followed very closely away from the French settlements. The hides will be taken from the animals, perhaps, in many cases, and after the disease abates, brought in for sale. As many hides from the Senegambian Coast are exported to America this indicates a possible source of danger for some time to come. There is no reason for supposing that any hides which up to date have been exported have come from infected animals.

BAHAMAS—*Green Turtle Cay—Abaco.*—Two weeks ended May 18, 1892. Population, 3,686. One death.

BRAZIL—*Ceara.*—Month of April, 1892. Population, 35,065. Total deaths, 281. No deaths reported from contagious disease.

Pernambuco—Yellow and typhus fever.—The United States consul reports 2 deaths from yellow fever and 4 deaths from typhus fever during the three weeks ended May 5, 1892.

CUBA—*Havana.*—The United States sanitary inspector, under date of May 28, 1892, reports as follows :

There were 151 deaths in this city during the week ended May 26, 1892. Three of those deaths were caused by yellow fever, with approximately 9 new cases ; 9 were caused by enteric fever, 4 by so-called pernicious fever, 1 by paludal fever, and 1 by diphtheria.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 33 great towns of England and Wales during the week ended May 21 corresponded to an annual rate of 19.3 a thousand of the aggregate population, which is estimated at 10,185,736. The lowest rate was recorded in Croydon, viz, 10.8, and the highest in Manchester, viz, 20.7 a thousand.

London.—One thousand five hundred and eighty-eight deaths were registered during the week, including smallpox, 4; measles, 140; scarlet fever, 13; diphtheria, 42; whooping cough, 45; enteric fever, 10; and diarrhea and dysentery, 13. The deaths from all causes corresponded to an annual rate of 19.4 a thousand. In greater London 1,944 deaths were registered, corresponding to an annual rate of 17.6 a thousand of the population. In the "outer ring" the deaths included diphtheria, 6; measles, 19; and whooping cough, 21.

Newcastle-upon-Tyne.—Two weeks ended May 14, 1892. Population, 187,502. Total deaths, 139, including enteric fever, 2; scarlet fever, 2; and diphtheria, 3.

Ireland.—The average annual death rate represented by the deaths registered during the week ended May 21, in the 16 principal town districts of Ireland, was 27.4 a thousand of the population. The lowest rate was recorded in Lisburn, viz, 4.3, and the highest in Sligo, viz, 87.7 a thousand. In Dublin and suburbs 232 deaths were registered, including typhus fever, 1; influenza, 4; measles, 28; and whooping cough, 3.

Scotland.—The deaths registered in 8 principal towns during the week ended May 21 corresponded to an annual rate of 21.5 a thousand of the population, which is estimated at 1,447,500. The lowest mortality was recorded in Edinburgh, viz, 13.9, and the highest in Glasgow, viz, 26.8 a thousand. The aggregate number of deaths registered from all causes was 598, including smallpox, 1; measles, 32; scarlet fever, 9; diphtheria, 2; whooping cough, 26; fever, 5; and diarrhea, 4.

INDIA—Singapore.—Month of March, 1892. Total deaths, 424, including fever, 126; smallpox, 3; and beriberi, 7.

MALTA AND GOZO.—Two weeks ended April 15, 1892. Total deaths, 165, including influenza, 7; measles, 1; and diphtheria, 1.

MEXICO—Vera Cruz—Yellow fever.—The United States consul reports 4 deaths from yellow fever in Vera Cruz during the week ended May 20, 1892.

WEST INDIES—Antigua.—The United States consul reports 1 death from yellow fever at Antigua during the week ended May 7, 1892.

MORTALITY TABLE, FOREIGN CITIES.

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.
London	May 14	5,752,204	1,996			3		7	30	30	161	
Glasgow	May 14	669,059	355				1		2	2		
Hamburg	May 7	570,534	261						3	5	4	
Liverpool	May 14	517,951	242			1			1			
Warsaw	May 7	490,417	225			8		3	4	9		
Brussels	May 7	482,158	174					3	3	2		
Brussels	May 14	482,158	182					3				
Amsterdam	May 14	426,480	173							2		
Cairo	Apr. 21	374,838	290			3		7				1
Cairo	Apr. 28	374,838	284					9				2
Edinburgh	May 14	264,787	107					1				
Belfast	May 14	255,922	139					3	3	2		
Palermo	May 7	250,000	106					3		3		
Stockholm	May 7	248,051	78							4		
Stockholm	May 14	248,051	95					1	7	3		1
Antwerp	May 7	241,263	97			1				2		
Antwerp	May 14	241,263	82			1		1				
Alexandria	Apr. 21	231,396	148			5		1		1		2
Alexandria	Apr. 28	231,396	168			5						
Magdeburg	Apr. 2	215,760	72								2	
Magdeburg	Apr. 9	215,760	88							6	4	
Magdeburg	Apr. 16	215,760	78							4		
Magdeburg	Apr. 23	215,760	93							5	5	
Magdeburg	Apr. 30	215,760	83							3		
Pernambuco	Apr. 21	200,000	82		1			6				
Pernambuco	Apr. 28	200,000	107		1		2	11				
Pernambuco	May 5	200,000	79			1	3	10				
Hanover	May 7	185,200	70							1		
Genoa	May 14	181,411	94			5	1			1	1	
Venice	May 7	161,678	60							1		
Christiania	May 7	151,130	50									
Ghent	May 14	150,208	60			3				1		
Funchal	May 7	136,000	17									
Funchal	May 14	136,000	10									
Stettin	May 14	116,500	50					3		1		
Havre	May 14	116,369	68					2		1		3
Rheims	May 14	105,408	42			1			1		2	
Leghorn	May 15	103,395	37									
Zurich	May 14	91,323	23						5	12		
Mannheim	May 14	80,000	34					1		1		
Leith	May 14	69,956	18									
Jerez de la Frontera	May 7	61,708	42							3		
Jerez de la Frontera	May 14	61,708	37							3		
Georgetown, Demerara	Apr. 23	53,176	54									
Georgetown, Demerara	May 7	53,176	26									
Trapani	May 7	43,095	10									
Marsala	May 7	40,131	20									
Matanzas	May 18	40,000	22							1		
Gibraltar	May 8	25,755	9									
Gibraltar	May 15	25,755	11									
Vera Cruz	May 20	25,000	14		4			1				
Girgenti	May 7	23,547	9									
Sagua la Grande	May 21	18,109	10					1				
Antigua	Apr. 23	16,664	34									
Antigua	Apr. 30	16,664	25									
Antigua	May 14	16,664	20									
Hamilton, Bermuda	May 23	15,013	3									
St. George's, Bermuda	May 23	15,013	3									
St. Thomas, W. I.	May 6	12,019	33									
St. Thomas, W. I.	May 13	12,019	27						1			
Matamoros	May 20	12,000	6									
Sonneberg	May 14	12,000	4									
Guelph	May 28	10,539	1							1		
Queenstown	May 21	10,340	6									
Tuxpan	May 14	10,280	7									
Tuxpan	May 21	10,280	5									
Port Sarnia	May 28	6,600	1									
Amherstburg	May 28	2,260	1									

OFFICIAL:

WALTER WYMAN,

Supervising Surgeon-General Marine-Hospital Service.