

ABSTRACT OF SANITARY REPORTS.

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UNITED STATES.

SPECIAL REPORTS.

SMALLPOX—*San Francisco Quarantine Station—Angel Island, Cal.*—Passed Assistant Surgeon W. P. McIntosh reports, under date of February 1, that two more cases of smallpox have developed among the detained passengers of the steamer *Rio de Janeiro*, making a total of eight cases. The patients are isolated in the lazaretto and the passengers, 523 in number, mostly Chinese, are held in the detention barracks.

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

FLORIDA.—Month of November, 1891. Reports to the State board of health, Jacksonville, from 15 counties show a total of 283 deaths, including phthisis pulmonalis, 32; enteric fever, 13; diphtheria, 1; and croup, 2.

Month of December. Reports from 12 counties show a total of 176 deaths, including phthisis pulmonalis, 25; enteric fever, 9; and influenza, 2.

MICHIGAN.—Week ended January 23, 1892. Reports to the State board of health, Lansing, from 51 observers, indicate that cholera infantum, diphtheria, membranous croup, and scarlet fever increased, and that inflammation of brain, puerperal fever, cholera morbus, cerebro-spinal meningitis, typhoid fever, and remittent fever decreased in area of prevalence.

Diphtheria was reported present during the week at 29 places, scarlet fever at 66, enteric fever at 24, and measles at 8 places.

MINNESOTA—*Minneapolis.*—Month of December, 1891. Population, 164,738. Total deaths, 186, including phthisis pulmonalis, 13; enteric fever, 5; scarlet fever, 14; diphtheria, 7; and measles, 6.

NEW HAMPSHIRE—*Salem—Smallpox.*—Under date of January 23, 1892, Dr. Irving A. Watson, secretary State board of health, reports one case of varioloid at Salem.

Table of temperature and rainfall, week ended January 29, 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.....	18	2		.91		.01
Portland, Me.....	18	18		.84		.64
Boston, Mass.....	22	19		.93		.91
Block Island, R. I.....	31		20	1.05		1.05
Middle Atlantic States:						
Albany, N. Y.....	23		13	.63		.60
New York, N. Y.....	31		19	.91		.89
Philadelphia, Pa.....	33		20	.77		.77
Atlantic City, N. J.....	33		15	.84		.84
Baltimore, Md.....	25		9	.77		.75
Washington, D. C.....	33	6		.77		.77
Lynchburg, Va.....	38	14		.93		.92
Norfolk, Va.....	41		7	.91		.91
South Atlantic States:						
Charlotte, N. C.....	43		5	1.19		1.19
Wilmington, N. C.....	49		35	.88		.87
Charleston, S. C.....	51		21	.91		.91
Augusta, Ga.....	49		26	1.05		1.05
Savannah, Ga.....	53		25	.77		.77
Jacksonville, Fla.....	57		36	.75		.79
Key West, Fla.....	71		32	.49		.49
Gulf States:						
Atlanta, Ga.....	44		4	1.41		1.41
Pensacola, Fla.....	54		23	1.07		1.07
Mobile, Ala.....	52		17	1.12		1.12
Montgomery, Ala.....	50		19	1.13		1.12
Vicksburg, Miss.....	48	9		1.26		1.23
New Orleans, La.....	55		41	1.17		1.10
Shreveport, La.....	46	32		1.12		1.11
Fort Smith, Ark.....	38	50		.60		.60
Little Rock, Ark.....	42	33		1.24		1.23
Palestine, Tex.....	47	45		.98		.98
Galveston, Tex.....	54		12	.87		.69
San Antonio, Tex.†.....	53			.36		
Corpus Christi, Tex.....	56		19	.91		.88
Brownsville, Tex.....	60		15	.42		.36
Ohio Valley and Tennessee:						
Memphis, Tenn.....	40	35		1.40		1.40
Nashville, Tenn.....	39	18		1.26		1.22
Chattanooga, Tenn.....	43	1		1.65		1.65
Knoxville, Tenn.....	40		6	1.33		1.32
Louisville, Ky.....	35	8		1.01		1.01
Indianapolis, Ind.....	28		21	.77		.77
Cincinnati, Ohio.....	33		9	.81		.81
Columbus, Ohio.....	29		14	.83		.76
Pittsburg, Pa.....	31		13	.70		.31
Lake Region:						
Oswego, N. Y.....	21	1		.68		.62
Rochester, N. Y.....	22	12		.70		.35
Buffalo, N. Y.....	22	9		.67		.41
Erie, Pa.....	26	6		.84		.80
Cleveland, Ohio.....	26	11		.63		.58
Sandusky, Ohio.....	26	4		.55		.54
Toledo, Ohio.....	25	5		.51		.52
Detroit, Mich.....	25	2		.47		.45
Port Huron, Mich.....	21	26		.49		.47
Alpena, Mich.....	14	63		.56		.46
Marquette, Mich.....	13	85		.40		.20
Grand Haven, Mich.....	23	32		.49		.48
Milwaukee, Wis.....	21	37		.49		.49
Chicago, Ill.....	25	15		.49		.50
Duluth, Minn.....	8	130		.21		.21
Upper Mississippi Valley:						
St. Paul, Minn.....	10	123		.21		.21
La Crosse, Wis.....	14	107		.28		.28
Dubuque, Iowa.....	17	82		.35		.35
Davenport, Iowa.....	20	63		.42		.42
Des Moines, Iowa.....	17	117		.28		.28
Keokuk, Iowa.....	23	77		.35		.35
Springfield, Ill.....	27	41		.61		.61
Cairo, Ill.....	35	36		.98		.98
St. Louis, Mo.....	31	57		.62		.62

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

† Reports missing.

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

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Defic'ncy.	Normal.	Excess.	Deficiency.
Missouri Valley:						
Springfield, Mo.....	31	58	.....	.54	.....	.54
Kansas City, Mo.....	26	97	.....	.34	.....	.34
Concordia, Kans.....	21	122	.....	.21	.....	.21
Omaha, Nebr.....	17	132	.....	.14	.....	.14
Valentine, Nebr.....	15	148	.....	.08	.....	.08
Huron, S. Dak.....	5	195	.....	.07	.....	.07
Pierre, S. Dak.....	8	216	.....	.07	.....	.07
Extreme Northwest:						
Moorhead, Minn.....	3	156	.....	.14	.....	.14
Bismarck, N. Dak.....	4	188	.....	.14	.....	.14
Buford, Fort, N. Dak.....	2	182	.....	.11	.....	.11
Rocky Mountain Slope:						
Assiniboine, Fort, Mont.....	6	188	.....	.25	.....	.25
Helena, Mont.....	16	99	.....	.28	.....	.28
Salt Lake City, Utah.....	28	.....	20	.34	.....	.32
Cheyenne, Wyo.....	24	97	.....	.07	.....	.07
North Platte, Nebr.....	19	75	.....	.07	.....	.07
Denver, Colo.....	28	79	.....	.12	.....	.12
Montrose, Colo.....	27	.....	3	.10	.....	.03
Pueblo, Colo.....	29	52	.....	.08	.....	.08
Dodge City, Kans.....	25	118	.....	.07	.....	.07
Abilene, Tex.....	43	45	.....	.21	.....	.21
Santa Fé, N. Mex.....	29	65	.....	.14	.....	.14
Pacific Coast:						
Olympia, Wash.....	38	17	.....	1.89	.....	.03
Portland, Oreg.....	38	43	.....	1.68	.....	.62
Roseburg, Oreg.....	40	29	.....	1.42	.....	.87
Red Bluff, Cal. †.....	46	.....	.....	1.01	.....	.....
Sacramento, Cal. †.....	47	.....	.....	.84	.....	.....
San Francisco, Cal.....	50	3	.....	1.05	.11	.....
Los Angeles, Cal.....	53	54	.....	.68	.....	.06
San Diego, Cal. †.....	54	.....	.....	.45	.....	.....
Yuma, Ariz. †.....	55	.....	.....	.12	.....	.....

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

† Reports missing.

FOREIGN.

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

BRAZIL—Ceara.—Month of November, 1891. Population, 35,065. Total deaths, 122. Thirty-five cases of smallpox were treated at the lazaretto outside of town, but no deaths are reported therefrom.

Rio de Janeiro.—Month of July, 1891. Total deaths, 1,984, including yellow fever, 190; smallpox, 309; phthisis pulmonalis, 215; enteric fever, 12; scarlet fever, 1; diphtheria, 7; measles, 3; and whooping cough, 2.

Month of August. Total deaths, 2,315, including yellow fever, 106; smallpox, 786; phthisis pulmonalis, 207; enteric fever, 9; scarlet fever, 2; diphtheria, 8; measles, 12; and whooping cough, 4.

Month of September. Total deaths, 2,318, including yellow fever, 62; smallpox, 1,000; phthisis pulmonalis, 179; enteric fever, 5; scarlet fever, 2; diphtheria, 3; and measles, 13.

Month of October. Total deaths, 2,150; including yellow fever, 105; smallpox, 738; phthisis pulmonalis, 186; enteric fever, 10; scarlet fever, 2; diphtheria, 7; measles, 15; and whooping cough, 2.

Santos—Yellow fever.—The United States consul, under date of December 26, reports 75 cases of yellow fever and 60 deaths therefrom during the week.

CANADA—Smallpox.—Under date of January 29, 1892, the secretary of the board of health of the Province of Quebec furnishes the following statement:

Counties.	Municipalities.	Cases since outbreak.	Deaths.	Recovered.	Still sick.	Houses infected since outbreak.	Houses presently infected.
Bonaventure	Quebec City.....	5	3	2	0	3	0
	Carleton.....	9	1	8	0	4	0
	Do.....	3	0	3	0	1	0
Rimouski	St. Damase.....	17	5	12	0	4	0
	Sandy Bay.....	6	0	5	1	3	1
Témiscouata	St. Paul de la Croix...	61	11	50	0	13	0
	Do.....	8	0	8	0	2	0
Gaspé	Do.....	1	1	0	0	1	0
	Pabos.....	6	1	5	0	2	0
Quebec	Do.....	6	2	4	0	1	0
	Newport.....	4	0	4	0	1	0
Sherbrooke	La Jeune Lorette.....	4	0	4	0	1	0
	Do.....	10	4	6	0	2	0
Richmond	Ascot.....	14	4	10	0	6	0
	Sherbrooke City.....	1	0	0	1	1	1
	Brompton.....						

CHINA—Hongkong.—Month of October, 1891. Total deaths, 434, including phthisis pulmonalis 39 and enteric fever 1.

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

There were 134 deaths in this city during the week ended January 21, 1892. Four of those deaths were caused by yellow fever, 2 by la

grippe, 2 by so-called pernicious fever, 1 by paludal fever, 1 by diphtheria, and 1 by hydrophobia.

Santiago de Cuba.—Two weeks ended December 15, 1891. Total deaths, 37, including 7 from phthisis pulmonalis.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 28 great towns of England and Wales during the week ended January 16 corresponded to an annual rate of 33.0 a thousand of the aggregate population, which is estimated at 9,405,108. The lowest rate was recorded in Huddersfield, viz, 14.6, and the highest in Portsmouth, viz, 57.0 a thousand.

London.—Three thousand two hundred and seventy-one deaths were registered during the week, including smallpox, 1; measles, 83; scarlet fever, 9; diphtheria, 29; whooping cough, 166; enteric fever, 16; and diarrhoea and dysentery, 30. The deaths from all-causes corresponded to an annual rate of 40.0 a thousand. Diseases of the respiratory organs caused 1,248 deaths. In greater London 4,192 deaths were registered, corresponding to an annual rate of 38.0 a thousand of the population. In the "outer ring" the deaths included whooping cough 29 and measles 13.

Newcastle-upon-Tyne.—Two weeks ended January 9, 1892. Population, 187,500. Total deaths, 292, including scarlet fever 1 and diphtheria 2.

Sunderland.—Two weeks ended January 9, 1892. Population, 132,839. Total number of deaths, 127, including 1 from enteric fever and 1 from scarlet fever.

Ireland.—The average annual death rate represented by the deaths registered during the week ended January 9, in the 16 principal town districts of Ireland, was 28.7 a thousand of the population. The lowest rate was recorded in Sligo, viz, 0.0, and the highest in Dundalk, viz, 37.7 a thousand. In Dublin and suburbs 235 deaths were registered, including enteric fever, 4; whooping cough, 10; influenza, 13; and diphtheria, 1.

The average annual death rate represented by the deaths registered during the week ended January 16, in the 16 principal town districts of Ireland, was 33.0 a thousand of the population. The lowest rate was recorded in Londonderry, viz, 22.0, and the highest in Sligo, viz, 51.6 a thousand. In Dublin and suburbs 294 deaths were registered, including enteric fever, 2; influenza, 29; and whooping cough, 5.

Scotland.—The deaths registered in 8 principal towns during the week ended January 16 corresponded to an annual rate of 23.9 a thousand of the population, which is estimated at 1,338,314. The lowest mor-

tality was recorded in Paisley, viz. 16.1, and the highest in Perth, viz. 38.1 a thousand. The aggregate number of deaths registered from all causes was 664, including measles, 4; scarlet fever, 7; diphtheria, 5; whooping cough, 16; fever, 6; and diarrhoea, 12.

Dundee.—Month of December, 1891. During the month there were 384 deaths registered, representing an annual death rate of 29.10 a thousand of the population, and including phthisis pulmonalis, 31; enteric fever, 6; scarlet fever, 36; diphtheria, 6; measles, 5; and whooping cough, 6.

MALTA AND GOZO.—Two weeks ended November 30, 1891. Total deaths, 160, including enteric fever 4 and diphtheria 3.

MEXICO—*Paso del Norte*.—Four weeks ended January 16, 1892. Total deaths, 30. No deaths reported from contagious diseases.

SWITZERLAND.—Week ended December 26, 1891. Reports from 15 cities, having an aggregate population of 503,503, show a total of 171 deaths, including phthisis pulmonalis, 25; enteric fever, 1; scarlet fever, 1; diphtheria and croup, 4; and whooping cough, 5.

TURKEY IN ASIA—*Cholera*.—During the week ended December 30, 1892, there were 22 cases of cholera and 22 deaths therefrom reported in the vilayets of Beirut and Syria.

The pilgrimage to Mecca, 1891.

[Translated for this Bureau from *Le Journal d'Hygiène*, January 7, 1892.]

Some interesting particulars with regard to the last pilgrimage to Mecca have been communicated by Dr. Saleh Soubhy, Egyptian delegate to the Hedjaz.

During the last few years much has been accomplished in the direction of general sanitary measures through the intervention of the several powers interested, but much still remains to be done as regards the medical supervision of the caravans.

Statistics of morbidity and mortality among the pilgrims by caravan for the year 1891 can not be obtained. Dr. Soubhy's report relates only to the pilgrimage by way of the sea. It shows that of 46,953 pilgrims disembarked at Djeddah only 25,253 returned to their homes, making the total of victims to disease, chiefly to cholera, 21,700.

The following is the table of mortality, arranged according to nationalities:

Nationality.	Disembarked.	Reëmbarked.	Died or disappeared.	Mortality per 100.
Javanese.....	10,817	6,920	3,897	33
Hindus.....	11,067	4,784	6,263	56
Persians.....	1,954	969	986	50
Arabs.....	2,154	695	1,659	77
From Yemen.....	2,987	932	2,055	68
Soudanese.....	288	75	213	74
Syrians.....	5,091	2,699	2,392	46
Egyptians.....	6,712	4,689	2,230	33
Vogrebins.....	3,858	2,340	1,510	39
Buddharists.....	2,053	1,357	696	33

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.....	Jan. 16.....	5,752,204	4,192			1		16	13	34	96	
Glasgow.....	Jan. 16.....	669,143	317					1	5	1		
Hamburg.....	Jan. 2.....	570,534	303					5	2	10		
Liverpool.....	Jan. 16.....	517,951	414					6	5	1		
Buda-Pesth.....	Jan. 15.....	507,000				3			5	18		
Lyons.....	Jan. 9.....	430,000	291							10		
Rome.....	Dec. 12.....	417,392	181					4		6	4	1
Munich.....	Jan. 2.....	349,000	181						1	7		
Munich.....	Jan. 9.....	349,000	206						3	8		
Odessa.....	Jan. 2.....	295,000	136			1		2		3		
Odessa.....	Jan. 9.....	295,000	135					1		1		
Cologne.....	Jan. 16.....	289,955	166							8	12	3
Dresden.....	Jan. 2.....	276,522	123							8		
Edinburgh.....	Jan. 16.....	264,787	104					1	1			
Palermo.....	Jan. 9.....	250,000	89									
Rotterdam.....	Jan. 16.....	216,678	171						1			
Pernambuco.....	Dec. 8.....	200,000	49					1				
Pernambuco.....	Dec. 15.....	200,000	78			1	2	1				
Pernambuco.....	Dec. 23.....	200,000	73									
Pernambuco.....	Dec. 30.....	200,000	77					1				
Prague.....	Jan. 9.....	182,530	139			3			1	4		
Genoa.....	Jan. 2.....	181,496	227			1		1		1		
Genoa.....	Jan. 9.....	181,496	271			3	1			1		
Frankfort-on-the-Main.....	Jan. 9.....	180,000	66							5		
Hanover.....	Dec. 26.....	179,000	47							3		
Venice.....	Jan. 2.....	159,679	163							3		
Trieste.....	Jan. 9.....	158,054	174							9	7	
Christiania.....	Jan. 2.....	151,130	77							1		
Nuremberg.....	Jan. 2.....	149,507	72					1	2	1		
Hiogo.....	Dec. 19.....	136,012	39	1								
Funchal.....	Jan. 9.....	133,250	39									
Elberfeld.....	Jan. 9.....	128,000	30							1	1	1
Bremen.....	Jan. 9.....	126,000	52							1	3	
Havre.....	Jan. 9.....	116,369	63					1		2		
Barmen.....	Jan. 9.....	116,000	47						1	1	3	1
Catania.....	Jan. 17.....	111,000	74						2	1		
Aix-la-Chapelle.....	Jan. 10.....	106,173	63									
Rheims.....	Jan. 9.....	105,993	66								10	
Gothenburg.....	Jan. 9.....	105,800	40									
Leghorn.....	Jan. 10.....	103,762	85									
Zurich.....	Jan. 9.....	91,323	59				1			6	36	5
Mannheim.....	Jan. 9.....	80,000	30					1	1			
Leith.....	Jan. 16.....	69,956	27							2		
Georgetown.....	Jan. 2.....	53,176	82									
Trapani.....	Jan. 9.....	43,095	10									
Marsala.....	Jan. 9.....	40,131	20									
Matanzas.....	Jan. 20.....	40,000	25									
Santos.....	Dec. 26.....	35,000	118		60							
Schiedam.....	Jan. 16.....	25,437	7									
Vera Cruz.....	Jan. 22.....	25,000	6					2				
Girgenti.....	Jan. 9.....	23,547	13									
Kingston, Can.....	Jan. 29.....	19,264	6									
Sagua la Grande.....	Jan. 16.....	18,109	8									
Hamilton, Bermuda.....	Jan. 25.....	15,013	3									
Flushing.....	Jan. 16.....	14,000	3									
Matamoros.....	Jan. 22.....	12,000	2									
Sonneberg.....	Jan. 9.....	12,000	5									
Guelph.....	Jan. 23.....	10,539	14									
Tuxpan.....	Jan. 16.....	10,280	10							6		
Chatham, Ont.....	Jan. 23.....	10,000	4									
Chatham, Ont.....	Jan. 30.....	10,000	3									
Tampico.....	Jan. 24.....	8,048	17									
Coaticook.....	Jan. 23.....	3,082	2									
Amherstburg.....	Jan. 23.....	2,266	1									

OFFICIAL :

WALTER WYMAN,

Supervising Surgeon-General Marine-Hospital Service.