

# ABSTRACT OF SANITARY REPORTS.

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## UNITED STATES.

### SPECIAL REPORTS.

*Leprosy on board steamship China at San Francisco Quarantine Station.*—Under date of April 15, 1892, Passed Assistant Surgeon McIntosh reports one case of leprosy on board steamship *China*. The leper will be returned to his home.

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

CALIFORNIA—*Oakland*.—Month of March, 1892. Population, 48,682. Total deaths, 63, including phthisis pulmonalis, 7; influenza, 5; enteric fever, 1; diphtheria, 1; and measles, 2.

CONNECTICUT—*Bridgeport*.—Month of March, 1892. Population, 48,896. Total deaths, 72, including phthisis pulmonalis 9 and influenza 7.

IOWA—*Davenport*.—Month of March, 1892. Population, 26,872. Total deaths, 7, including phthisis pulmonalis, 4; influenza, 2; and diphtheria, 3.

KENTUCKY—*Louisville*.—Month ended April 2, 1892. Population, 161,129. Total deaths, 287, including phthisis pulmonalis, 52; influenza, 5; enteric fever, 6; diphtheria, 4; and croup, 3.

MICHIGAN.—Week ended April 9, 1892. Reports to the State board of health, Lansing, from 44 observers, indicate that typhoid fever, diphtheria, inflammation of bowels, and intermittent fever increased, and that cholera morbus, cerebro-spinal meningitis, inflammation of brain, whooping cough, and cholera infantum decreased in area of prevalence.

Diphtheria was reported present during the week at 32 places, scarlet fever at 67, enteric fever at 20, and measles at 14 places.

*Grand Rapids*.—Month of March, 1892. Population, 60,278. Total deaths, 91, including phthisis pulmonalis, 11; influenza, 4; enteric fever, 10; and scarlet fever, 2.



## Table of temperature and rainfall, week ended April 15, 1892.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Deficiency.	Normal.	Excess.	Deficiency.
<b>New England States:</b>						
Eastport, Me.....	38		1	.74		.26
Portland, Me.....	40		2	.70		.42
Boston, Mass.....	44		2	.87		.83
Block Island, R. I.....	43		2	.70	.26	
<b>Middle Atlantic States:</b>						
Albany, N. Y.....	45		5	.60		.50
New York, N. Y.....	48		7	.79	.13	
Philadelphia, Pa.....	49		7	.70		.18
Atlantic City, N. J.....	46		5	.79		.01
Baltimore, Md.....	52		9	.77		.01
Washington, D. C.....	52		10	.70	.30	
Lynchburg, Va.....	55		12	.76		.18
Norfolk, Va.....	55		7	.98		.60
<b>South Atlantic States:</b>						
Charlotte, N. C.....	59		10	.84		.70
Wilmington, N. C.....	60		7	.73		.39
Charleston, S. C.....	63		6	.98		.72
Augusta, Ga.....	63		9	.91		.43
Savannah, Ga.....	65		8	.98		.84
Jacksonville, Fla.....	68		9	.70		.68
Key West, Fla.....	76		1	.28		.28
<b>Gulf States:</b>						
Atlanta, Ga.....	61		10	.88		.74
Pensacola, Fla.....						
Mobile, Ala.....	67		7	1.31		1.13
Montgomery, Ala.....	65		7	1.28		1.06
Vicksburg, Miss.....	66		9	1.53		.18
New Orleans, La.....	69		5	1.26		1.26
Shreveport, La.....	67		7	1.33	.22	
Fort Smith, Ark.....	62		11	1.35		1.25
Little Rock, Ark.....	62		12	1.12		.97
Palestine, Tex.....	66		2	.96		.56
Galveston, Tex.....	69		1	.70		.62
San Antonio, Tex.....	69	3		.81		.81
Corpus Christi, Tex.....	69	1		.29		.29
Brownsville, Tex.....	73		2	.24		.24
<b>Ohio Valley and Tennessee:</b>						
Memphis, Tenn.....	62		13	1.33		.01
Nashville, Tenn.....	59		12	1.19		.83
Chattanooga, Tenn.....	60		10	1.07		.19
Knoxville, Tenn.....	58		11	1.24		.52
Louisville, Ky.....	56		11	1.05		.81
Indianapolis, Ind.....	51		12	.82		.38
Cincinnati, Ohio.....	52		11	.70		.40
Columbus, Ohio.....	49		12	.60		.21
Pittsburg, Pa.....	49		11	.63	.06	
<b>Lake Region:</b>						
Oswego, N. Y.....	41		7	.49		.27
Rochester, N. Y.....	42		8	.63		.48
Buffalo, N. Y.....	40		7	.56		.48
Erie, Pa.....	43		8	.58		.34
Cleveland, Ohio.....	43		7	.49		.24
Sandusky, Ohio.....	45		9	.56		.08
Toledo, Ohio.....						
Detroit, Mich.....	45		11	.49		.41
Port Huron, Mich.....	40		8	.42	.02	
Alpena, Mich.....	36		4	.49		.48
Marquette, Mich.....	35		8	.49		.40
Grand Haven, Mich.....	43		9	.56		.55
Milwaukee, Wis.....	42		8	.63		.16
Chicago, Ill.....	45		10	.75		.21
Duluth, Minn.....	37		5	.49		.49
<b>Upper Mississippi Valley:</b>						
St. Paul, Minn.....	45		8	.51		.51
La Crosse, Wis.....	46		8	.42		.18
Dubuque, Iowa.....	47		8	.61		.11
Davenport, Iowa.....	48		9	.56		.18

\*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 15, 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.....	49		9	.49	.63	
Keokuk, Iowa.....	51		10	.63	.08	
Springfield, Ill.....	52		13	.63		.20
Cairo, Ill.....	58		13	.91		.11
St. Louis, Mo.....	56		13	.77		.01
Missouri Valley:						
Springfield, Mo.....	56		12	.89	.51	
Kansas City, Mo.....	54		12	.70	.44	
Concordia, Kans.....	52		7	.74		.35
Omaha, Nebr.....	50		9	.70	.78	
Yankton, S. Dak.....						
Valentine, Nebr.....	46		5	.47	.65	
Huron, S. Dak.....	45		8	.51	2.05	
Pierre, S. Dak.....	47		8	.42	.86	
Extreme Northwest:						
Moorhead, Minn.....	39		3	.48		.05
Saint Vincent, Minn.....	35		2	.28	.04	
Bismarck, N. Dak.....	41		5	.51		.33
Buford, Fort, N. Dak.....	42		4	.26		.20
Rocky Mountain Slope:						
Assiniboine, Fort, Mont.....	44		3	.21	.08	
Helena, Mont.....	44	2		.28		.09
Spokane, Wash.....	48		4	.28	.66	
Salt Lake City, Utah.....	50	2		.56		.10
Cheyenne, Wyo.....	42		1	.33		.27
North Platte, Nebr.....	49		6	.53	.11	
Denver, Colo.....	47	1		.45		.39
Montrose, Colo.....	48	5		.40		.07
Pueblo, Colo.....	50	1		.42		.36
Dodge City, Kans.....	55		5	.30		.26
Abilene, Tex.....	63	2		1.05		1.05
El Paso, Tex.....	63	3		.07		.07
Santa Fé, N. Mex.....	47	4		.21		.21
Tucson, Ariz.....	64	4		.07		.07
Pacific Coast:						
Olympia, Wash.....	49		2	.79	.59	
Portland, Oreg.....	52		3	.74	.23	
Roseburg, Oreg.....	52		3	.63	.40	
Red Bluff, Cal.....						
Sacramento, Cal.....	59		3	.65		.45
San Francisco, Cal.....	56		3	.52		.30
Los Angeles, Cal.....	60	2		.43		.43
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.)

*Sanitary Commission at Constantinople—Report of the United States Commissioner—Removal of quarantine, etc.*

## REPORT NO. 43.

The Turkish Empire is now and has been since the beginning of 1892 free from cholera, and all quarantines have been abolished; also that concerning troops and emigrants.

Now the Government has ordered the execution of sanitary improvements and the establishment of lazarettos.

A commission has been appointed for this purpose, and besides the improvements which are to be made at the lazaretto of Camaran new lazarettos are to be established at Beirut and Bengazi, in the Mediterranean Sea, and one in the Persian Gulf, probably at the Island of Fao. The improvements to be made at Camaran are of several orders; for instance, the better installation of the different cordons, the installation of the different cordons on impermeable ground, the improvement of the cesspools, that of the quality of water, the establishment of wharves, and to render safer the mooring of ships, and reserving space for a graveyard.

The purport of the International Sanitary Commission is to render the lazaretto of Camaran a lazaretto in which all the exigencies required by hygiene will exist. Disinfecting furnaces have already been purchased, and very probably a microscopist will be appointed for the microscopical researches.

The lazaretto of Beirut, as I have already mentioned in several reports, is too near the town and does not present all the necessary conditions; therefore a new one will be built, and the above-mentioned commission will choose a convenient place on which this is to be built.

At Bengazi also the commission had to choose a place on which a lazaretto will be established.

The Turkish Government will have then three lazarettos in the Mediterranean Sea—that of Clazomene, near Smyrna; that of Beirut, and that of Bengazi. In the Red Sea there exist, besides the lazaretto of Camaran, the two small ones near Zeddah—that of Abusad and that of Vasita.

There will be a lazaretto for the Persian Gulf, and finally for the Black Sea there is that of Cavak, in the entrance of the Bosphorus.

The sanitary condition of the capital is rather good, though there exist some cases of typhoid fever, a little epidemic of mumps, and very few cases of whooping cough.

S. C. ZAVITZIANO.

CONSTANTINOPLE, *March* 28, 1892.

BRAZIL—*Ceara*.—Month of February, 1892. Population, 35,065. Total deaths, 185, including 5 from yellow fever.

*Rio de Janeiro*—*Yellow fever, etc.*—Four weeks ended March 19, 1892. Population, 550,000. Total deaths, 1,712, including yellow fever, 695;

pernicious fever, 298; smallpox, 8; typhus fever, 59; and enteric fever, 85.

The United States consul says: "The weather has been exceedingly warm and dry; the fever has become very epidemic, and no relief is hoped for until heavy rains fall. All deaths are not officially reported."

CUBA—*Cienfuegos*.—Month of March, 1892. Population, 20,000. Total deaths, 87, including yellow fever 1 and enteric fever 2.

*Havana*.—The following report has been received from the United States sanitary inspector, dated April 9, 1892:

There were 134 deaths in this city during the week ended April 7, 1892.

One of those deaths was caused by yellow fever, 14 by enteric fever, 3 by so-called pernicious fever, and 1 by diphtheria. The increase of enteric fever occurs simultaneously with the tearing up of the streets to lay new water and gas pipes.

FRANCE—*Marseilles*.—Month of March, 1892. Population, 406,919. Total deaths, 1,012, including smallpox, 13; enteric fever, 13; scarlet fever, 1; diphtheria and croup, 46; measles, 13; 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 2 corresponded to an annual rate of 22.2 a thousand of the aggregate population, which is estimated at 10,185,736. The lowest rate was recorded in Croydon, viz, 14.7, and the highest in Manchester, viz, 28.1 a thousand.

*London*.—One thousand seven hundred and fifty-three deaths were registered during the week, including smallpox, 2; measles, 80; scarlet fever, 17; diphtheria, 15; whooping cough, 80; enteric fever, 4; and diarrhea and dysentery, 13. The deaths from all causes corresponded to an annual rate of 21.4 a thousand. Diseases of the respiratory organs caused 430 deaths. In greater London 2,192 deaths were registered, corresponding to an annual rate of 19.9 a thousand of the population. In the "outer ring" the deaths included diphtheria, 9; measles, 9; and whooping cough, 22.

*Ireland*.—The average annual death rate represented by the deaths registered during the week ended April 2, in the 16 principal town districts of Ireland, was 33.9 a thousand of the population. The lowest rate was recorded in Lurgan, viz, 13.7, and the highest in Limerick, viz, 46.3 a thousand. In Dublin and suburbs 250 deaths were registered, including enteric fever, 1; whooping cough, 3; and measles, 24.

*Scotland*.—The deaths registered in 8 principal towns during the week ended April 2 corresponded to an annual rate of 21.2 a thou-

sand of the population, which is estimated at 1,447,500. The lowest mortality was recorded in Leith, viz, 15.6, and the highest in Perth, viz, 27.5 a thousand. The aggregate number of deaths registered from all causes was 589, including measles, 15; scarlet fever, 6; diphtheria, 7; whooping cough, 24; fever, 8; and diarrhea, 5.

ITALY—*Milan*.—Month of February, 1892. Population, 414,575. Total deaths, 941, including enteric fever 10 and diphtheria 37.

MALTA AND GOZO.—Two weeks ended February 15, 1892. Total deaths, 202, including 1 from enteric fever.

NETHERLANDS.—Year of 1891. Reports from the 12 principal cities, having an aggregate population of 1,198,116, show a total of 28,080 deaths, including phthisis pulmonalis and throat diseases, 2,484; typhus and enteric fever, 138; scarlet fever, 17; diphtheria, 282; measles, 381; croup, 257; and whooping cough, 471.

WEST INDIES—*Trinidad*.—Two weeks ended April 2, 1892. Population, 189,566. Total deaths, 71. No deaths reported from contagious disease.

*Turk's Islands*.—Five weeks ended March 16, 1892. Population, 4,744. Total deaths, 31. No deaths from contagious disease.

### *Cholera in Persia.*

[Translated for this Bureau from *La Revue Médico-Pharmaceutique*, Constantinople, March 31, 1892.]

Cholera has made its appearance at Meshed in the Persian Khorassan.

A medical commission, charged with the execution of hygienic measures to prevent the recurrence of the epidemic, has been sent from Beirut to the villages in which cholera has, until lately, been prevalent. Among the measures contemplated are the removal of the inhabitants for the summer months to higher and cooler locations and the burning of all clothing and effects used by the sick.

## 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.
London.....	Apr. 2	5,752,204	2,192			2		4	18	24	90
Paris.....	Apr. 2	2,424,705	1,074			1		4	3	26	37
Vienna.....	Mar. 19	1,364,548	690			1		4	2	23	21
Vienna.....	Mar. 26	1,364,548	748					3	5	30	26
Calcutta.....	Feb. 20	681,560	493	31							
Calcutta.....	Feb. 27	681,560	402	35							
Glasgow.....	Apr. 2	669,059	302					3	5	3	
Hamburg.....	Mar. 19	570,534	263					6	2	6	
Hamburg.....	Mar. 26	570,534	266					5	2	8	
Liverpool.....	Apr. 2	517,951	246								
Buda-Pesth.....	Apr. 1	507,000									
Warsaw.....	Mar. 19	490,418									
Warsaw.....	Mar. 26	490,418				6		3	1	10	
Brussels.....	Mar. 26	482,158	219			4		4	4	5	
Rome.....	Mar. 29	436,179	227			2		4		1	
Amsterdam.....	Mar. 19	426,480	201					1		2	
Amsterdam.....	Mar. 26	426,480	193					1		4	
Lyons.....	Mar. 26	416,000	191								
Cairo.....	Mar. 17	374,838	274			3		6		7	
Copenhagen.....	Mar. 26	326,000	137							1	
Odessa.....	Mar. 19	302,000	159					1		9	
Odessa.....	Mar. 26	302,000	165			1		1		2	
Dresden.....	Mar. 19	286,200	126					1		1	
Dresden.....	Mar. 26	286,200	126							8	
Barcelona.....	Apr. 1	272,000	257					1		10	
Edinburgh.....	Apr. 2	264,787	94			7				10	
Belfast.....	Apr. 2	255,922	159					1	1	1	
Palermo.....	Mar. 26	250,000	109					4			
Antwerp.....	Apr. 2	241,263	104							4	
Alexandria.....	Mar. 17	231,396	173							2	
Bristol.....	Apr. 2	223,592	107			2			1		
Rotterdam.....	Apr. 2	216,678	135					1	1	1	
Pernambuco.....	Jan. 14	200,000	57					1			
Pernambuco.....	Jan. 21	200,000	49					1			
Pernambuco.....	Jan. 28	200,000	60					1			
Pernambuco.....	Feb. 4	200,000	53								
Pernambuco.....	Feb. 11	200,000	57								
Hanover.....	Mar. 26	185,200	82							3	
Prague.....	Mar. 31	182,887	168			1		1		2	
Prague.....	Apr. 2	182,887	145			2		1	1		
Prague.....	Mar. 26	181,347	132			2		1	1	1	
Genoa.....	Apr. 2	181,347	97			2				2	
Christiania.....	Mar. 26	151,130	71							2	
Ghent.....	Mar. 19	150,208	77			4		1	1		
Ghent.....	Mar. 26	150,208	64			3					
Hiogo.....	Mar. 12	142,394	83			1				2	
Hiogo.....	Mar. 19	142,394	43							1	
Kanagawa.....	Mar. 12	135,000				8				1	
Funchal.....	Mar. 26	133,250	13								
Funchal.....	Apr. 2	133,250	24								
Stettin.....	Mar. 31	116,500	46					2			
Stettin.....	Apr. 6	116,500	44					1		1	
Catania.....	Mar. 27	111,000	69						1	2	
Rheims.....	Apr. 2	105,400	56					1			
Leghorn.....	Apr. 3	103,395	39								
Mannheim.....	Mar. 26	80,000	49							1	
Mannheim.....	Apr. 2	80,000	55							2	
Mayence.....	Mar. 19	72,281	40								
Leith.....	Apr. 2	69,956	21								
Jerez de la Frontera.....	Mar. 26	61,708	31								
Marsala.....	Mar. 26	40,131	36								
Matanzas.....	Apr. 6	40,000	21								
Gibraltar.....	Mar. 27	25,755	8								
Schiedam.....	Apr. 2	25,533	12								
Cartagena.....	Mar. 19	25,000	9								
Cartagena.....	Mar. 26	25,000	9								
Vera Cruz.....	Apr. 8	25,000	7					2			
Girgenti.....	Mar. 26	23,547	17								
Kingston, Can.....	Apr. 8	19,264	13								
Sagua la Grande.....	Apr. 2	18,109	13								
Sagua la Grande.....	Apr. 9	18,109	10								
Hamilton, Bermuda.....	Apr. 11	15,013	1								



## 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.
Flushing .....	Apr. 2....	14,000	4	.....	.....	.....	.....	.....	.....	.....	.....
La Guayra .....	Apr. 2....	14,000	4	.....	.....	.....	.....	.....	.....	.....	.....
Matamoros .....	Apr. 8....	12,000	8	.....	.....	.....	.....	.....	.....	.....	.....
Sonneberg .....	Mar. 26....	12,000	9	.....	.....	.....	.....	.....	.....	2	.....
Sonneberg .....	Apr. 2....	12,000	5	.....	.....	.....	.....	.....	.....	.....	.....
Guelph .....	Apr. 9....	10,539	3	.....	.....	.....	.....	.....	.....	.....	.....
Port Stanley and St. Thomas.	Mar. 18....	10,500	3	.....	.....	.....	.....	.....	.....	.....	.....
Port Stanley and St. Thomas.	Apr. 1....	10,500	3	.....	.....	.....	.....	.....	.....	.....	.....
Queenstown .....	Apr. 9....	10,340	1	.....	.....	.....	.....	.....	.....	.....	.....
Tuxpan .....	Apr. 2....	10,280	10	.....	.....	.....	.....	.....	.....	.....	.....
Chatham .....	Apr. 9....	10,000	1	.....	.....	.....	.....	.....	.....	.....	.....
Sarnia .....	Apr. 9....	6,600	2	.....	.....	.....	.....	.....	.....	.....	.....
Amherstburg .....	Apr. 9....	2,260	1	.....	.....	.....	.....	.....	.....	.....	.....

OFFICIAL :

WALTER WYMAN,

*Supervising Surgeon-General Marine Hospital Service.*