

# ABSTRACT OF SANITARY REPORTS.

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## UNITED STATES.

### SPECIAL REPORTS.

*South Atlantic quarantine, Blackbeard Island, Georgia—Suspected vessel near the quarantine—Statement of vessels undergoing treatment.*

Passed Assistant Surgeon J. H. White, M.-H. S., reports, under date of April 30, that the Norwegian bark *Haab*, anchored in Sapelo Sound, just above the quarantine, landed a boat at night, and gave other causes for suspicion. Information has been received that this vessel had sickness on board at Rio; that the second mate, who was the captain's brother, though sick, was kept on board, and died at sea during the voyage to Sapelo. The health officer of Darien, Ga., has been notified.

There are three vessels in quarantine undergoing disinfection, namely, the Norwegian barks *Alert* and *Regina*, and the British bark *Neophyte*, the first two certainly and the last probably having had on board cases of yellow fever.

### SMALLPOX.

*United States quarantine station, Angel Island, San Francisco Bay, California.*—The medical officer in command reports, under date of May 5, that two cases of varioloid are under treatment in the lazaretto, and 170 immigrants are held under observation in the detention barracks, all being taken from the steamship *China*. The quarantine station has been opened temporarily for the reception of these immigrants at the request of the city board of health, which has no quarantine facilities. The steam disinfection chambers are in successful operation, and purchases of furniture and miscellaneous supplies are being made with a view to a speedy and full operation of the station.

*Dubuque, Iowa.*—Under date of May 9, 1891, Acting Assistant Surgeon Braedy reports one case of smallpox taken from the steamer *Sidney* and turned over to the board of health.

*St. Louis, Mo.*—Passed Assistant Surgeon Peckham reports one case of smallpox at the hospital on May 7, 1891. The man was immediately turned over to the care of the city board of health.

*Texas and Mexico.*—The United States sanitary inspector at El Paso, Tex., writes as follows, under date of April 30, 1891 :

From reliable private information, I regret to learn that smallpox is still prevailing to a considerable extent in the interior of Mexico, as well as in many towns in the State of Texas.

The county of El Paso, Texas, has appointed a county health officer, whose duty it is to make a house-to-house inspection with compulsory vaccination, which will be carried until everybody in the county is vaccinated. The governor of the State of Texas has issued a proclamation that quarantine shall be established and enforced on the coast of Texas on and after the 1st day of May, A. D. 1891. All places south of twenty-five degrees north latitude shall be considered infected unless proof to the contrary be submitted to the governor.

#### INFLUENZA.

*Vineyard Haven, Mass.*—P. A. Surgeon Banks, under date of May 4, 1891, writes the following report :

For the past month an epidemic of a character decidedly similar to the invasion of la grippe in the winter of 1889-'90 has appeared in this community and attained such proportions that it seems worthy of some observations concerning its origin and progress.

In connection with the experiences of other communities, particularly in the South and West, the past winter, and its gradual march toward this section of the country, it is undoubtedly proper to attribute it to the same cause which is affecting other sections.

In general, the symptoms of the malady are identical with those of last year, all of which are too familiar to require detailed description.

The mortality consequent upon its appearance has been slight, principally confined to aged people, in whom a fatal termination seems to be dependent on pulmonary affections of a not very severe type. The victims seem to succumb from an adynamia.

In one part of this town a number of families living in contiguous houses were affected, and instances of the entire households being confined to bed are reported.

As the experience of the previous epidemic showed us, so in this, the convalescence is slow and the restoration to complete recovery seems to be entirely out of proportion to the character and length of the acute attack. Patients suffering from a moderate onset of the disease, with slight respiratory invasion and the usual muscular soreness, are left in a very weakened state after the remission of the acute symptoms. For many days and sometimes weeks they are continually reminded of their debilitated condition, which does not respond to the ordinary treatment of tonics, rest, and dieting.

As an estimate of the number of persons who have been afflicted with this epidemic influenza, I should put the number at 40 per cent. of the entire community.

Last year but few persons were affected by the disease in this community.

*Chemical and microscopical examination of tuberculin.*

Joseph Jones, M. D., of New Orleans, who by direction of the President was presented with a vial of tuberculin received from the American minister in Germany, has submitted a report to the President upon the chemical and microscopical examination of tuberculin, with the following conclusions:

(A.) The active principles of "Koch's lymph" appear to reside in a colloid nitrogenous compound coagulable by absolute alcohol, and in living germs, microorganisms, spores, and bacilli, similar to those of the bacillus tuberculosis, and capable of multiplying within and without the living organism.

(B.) The potent effects of "Koch's lymph," when introduced into the blood of healthy and diseased human beings, may be referred in part at least to the rapid multiplication and action of microorganisms similar to, if not identical with, the bacillus tuberculosis.

(C.) The results of the chemical and microscopical examination of the contents of this "vial of Koch's lymph" have led me to exclude this liquid from the list of medical agents.

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

ALABAMA—*Mobile*.—Month of April, 1891. Population, 31,076. Total deaths, 59, including phthisis pulmonalis 9 and croup 1.

CALIFORNIA—*Los Angeles*.—Month of April, 1891. Population, 50,395. Total deaths, 67, including phthisis pulmonalis, 19; enteric fever, 1; diphtheria, 2; croup, 1; and whooping cough, 1.

*Sacramento*.—Month of April, 1891. Population, 26,386. Total deaths, 46, including phthisis pulmonalis, 5; enteric fever, 1; diphtheria, 2; and whooping cough, 2.

FLORIDA—*Pensacola*.—Month of April, 1891. Population, 11,750. Total deaths, 13, including phthisis pulmonalis 1.

INDIANA—*Evansville*.—Month of April, 1891. Population, 50,756. Total deaths, 72, including phthisis pulmonalis, 10; enteric fever, 3; diphtheria, 2; and whooping cough, 1.

IOWA.—Month of March, 1891. The following mortuary report is extracted from the *Monthly Bulletin* for April:

*Burlington*.—March.—Consumption, 3; pneumonia, 9; cerebro-spinal meningitis, 1. Total deaths, 40. Population, 30,166. Death rate per 1,000, 1.32. For February, 0.91.

*Council Bluffs*.—February. Consumption, 1; pneumonia, 5; diphtheria, 3; croup, 1. Total deaths, 18. Population, 28,000. Death rate per 1,000, 0.64. For January, 0.96.

*Council Bluffs*.—March. Consumption, 4; pneumonia, 5; diphtheria, 7; membranous croup, 2; measles, 2; cerebro-spinal meningitis, 1. Total deaths, 38. Death rate per 1,000, 1.3.

*Davenport.*—March. Consumption, 2; pneumonia, 4; scarlet fever, 1; la grippe, 4. Total deaths, 39. Population, 28,500. Death rate per 1,000, 1.37.

*Des Moines.*—March. Consumption, 5; pneumonia, 7; diphtheria, 6; scarlet fever, 2; la grippe, 3; meningitis, 2. Total deaths, 54. Population, 53,000. Death rate per 1,000, 1.02. For February, 0.9.

*Dubuque.*—No report.

*Keokuk.*—March. Consumption, 2; pneumonia, 1; diphtheria, 2; la grippe, 1. Total deaths, 23. Population, 14,500. Death rate per 1,000, 1.58. For February, 0.75.

*Muscatine.*—March. Consumption, 1; pneumonia, 1; cerebro-spinal meningitis, 1; la grippe, 4. Total deaths, 20. Population, 11,432. Death rate per 1,000, 1.74. For February, 0.83.

*Ottumwa.*—March. Diphtheria, 2; membranous croup, 4; pneumonia, 1; measles, 4. Total deaths, 20. Population, 15,000. Death rate per 1,000, 1.33.

*Sioux City.*—No report.

MARYLAND—*Baltimore.*—Month of April, 1891. Population, 434,439. Total deaths, 850, including phthisis pulmonalis, 106; enteric fever, 5; scarlet fever, 8; influenza, 31; diphtheria, 13; croup, 1; and whooping cough, 8.

MICHIGAN.—Month of April, 1891. Reports to the State board of health, Lansing, from 269 observers, indicate that dysentery and inflammation of bowels increased, and that cholera infantum, cerebro-spinal meningitis, inflammation of brain, and membranous croup decreased in prevalence.

Compared with the month of April, in the five years 1886-'90, influenza was very much more prevalent, and cholera infantum, measles, whooping cough, puerperal fever, typho-malarial fever, cerebro-spinal meningitis, intermittent fever, erysipelas, inflammation of kidney, inflammation of bowels, and diphtheria, were less prevalent in April, 1891.

Diphtheria was reported present in Michigan in the month of April, 1891, at 51 places; scarlet fever, 79 places; typhoid fever at 14 places, and measles at 104 places.

Reports from all sources show diphtheria reported at 1 place less, scarlet fever at 1 place more, typhoid fever at 3 places less, and measles at 6 places more in the month of April, 1891, than in the preceding month.

*Grand Rapids.*—Month of April, 1891. Population, 60,278. Total deaths, 112, including phthisis pulmonalis, 8; influenza, 8; enteric fever, 2; scarlet fever, 4; diphtheria, 3; croup, 3; and whooping cough, 2.

MINNESOTA—*Winona.*—Month of April, 1891. Population, 18,208. Total deaths, 19, including phthisis 2.

MONTANA—*Butte City*.—Month of April, 1891. Population, 10,723. Total deaths, 43, including phthisis pulmonalis, 1; influenza, 2; enteric fever, 1; diphtheria, 3; and measles, 1.

Nine months ended April 1, 1891. Total deaths, 571, including phthisis pulmonalis, 17; influenza, 32; enteric fever, 30; scarlet fever, 5; diphtheria, 8; croup, 14; measles, 1; and whooping cough, 1.

OHIO—*Cincinnati*.—Month of April, 1891. Population, 296,908. Total deaths, 621, including phthisis pulmonalis, 59; influenza, 13; enteric fever, 23; scarlet fever, 4; diphtheria, 16; and whooping cough, 1.

NEW YORK—*Rochester*.—Month of April, 1891. Population, 133,896. Total deaths, 206, including phthisis pulmonalis, 20; influenza, 5; enteric fever, 3; scarlet fever, 2; and whooping cough, 4.

NORTH CAROLINA.—Month of March, 1891. Reports to the State board of health from 15 towns, having an aggregate population of 103,126, show a total of 151 deaths, including phthisis pulmonalis, 27; enteric fever, 2; scarlet fever, 1; diphtheria, 1; measles, 3; and whooping cough, 1.

RHODE ISLAND—*Newport*.—Month of April, 1891. Population, 19,457. Total deaths, 40, including phthisis, 8; influenza, 1.

VIRGINIA—*Lynchburg*.—Month of April, 1891. Population, 19,709. Total deaths, 42, including enteric fever 1.

*Publications received.*

Monthly Bulletin of the Iowa State board of health for April, 1891.

Monthly Bulletin of the North Carolina board of health for April, 1891.



Table of temperature and rainfall, week ended May 8, 1891.

[Received from War Department, Signal Office.]

Locality.	Mean temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
<b>New England States:</b>						
Eastport, Me.....	44	14		.93		.77
Portland, Me.....	50		28	.70		.39
Boston, Mass.....	52		14	.77		.69
Block Island, R. I.....	49		14	.84		.60
<b>Middle Atlantic States:</b>						
Albany, N. Y.....	55		42	.63		.50
New York, N. Y.....	56		26	.70		.25
Philadelphia, Pa.....	58		28	.63		.13
Atlantic City, N. J.....	53		14	.66		
Baltimore, Md.....	61		28	.77		.43
Washington, D. C.....	60		29	.84		.23
Lynchburg, Va.....	62		28	.84		.71
Norfolk, Va.....	62		28	.91		.83
<b>South Atlantic States:</b>						
Charlotte, N. C.....	65		18	.98		.97
Wilmington, N. C.....	67		28	.81		.33
Charleston, S. C.....	70		14	.84		.54
Augusta, Ga.....	70		14	.77		.61
Savannah, Ga.....	71		14	.51		.41
Jacksonville, Fla.....	73		14	.86		.21
Key West, Fla.....	79		14	.63		.63
<b>Gulf States:</b>						
Atlanta, Ga.....	66			.84		.80
Pensacola, Fla.....	72		14	.70		.60
Mobile, Ala.....	72		14	.98		.88
Montgomery, Ala.....	71		14	.94		.94
Vicksburg, Miss.....	70		14	1.22		1.22
New Orleans, La.....	73		14	1.13		1.13
Shreveport, La.....	72		28	1.08		1.00
Fort Smith, Ark.....	67		19	1.06	.30	
Little Rock, Ark.....	68		28	1.22	.25	
Palestine, Tex.....	70		14	1.48		.56
Galveston, Tex.....	74			.87		.75
San Antonio, Tex.....	73		14	.77		.77
Corpus Christi, Tex.....	74			.67		.35
Brownsville, Tex.....	77		28	.63	.47	
Rio Grande City, Tex.....	80		28	.66	2.50	
<b>Ohio Valley and Tennessee:</b>						
Memphis, Tenn.....	67		28	1.01		.65
Nashville, Tenn.....	65		42	.91		.65
Chatanooga, Tenn.....	66		14	.98		.98
Knoxville, Tenn.....	64		28	.91		.79
Louisville, Ky.....	63		42	.87		.41
Indianapolis, Ind.....	60		14	.91		.85
Cincinnati, Ohio.....	61		54	.70		.62
Columbus, Ohio.....	57		40	.91		.85
Pittsburgh, Pa.....	54		56	.74		.52
<b>Lake Region:</b>						
Oswego, N. Y.....	50		42	.56		.32
Rochester, N. Y.....	52		42	.63		.16
Buffalo, N. Y.....	50		42	.70		.35
Erie, Pa.....	52		42	.70		.42
Cleveland, Ohio.....	53		42	.70		.60
Sandusky, Ohio.....	54		14	.70		.58
Toledo, Ohio.....	55		28	.73		.57
Detroit, Mich.....	54		28	.70		.22
Port Huron, Mich.....	48		31	.66		.38
Alpena, Mich.....	45		21	.71		.71
Marquette, Mich.....	44			.56		.56
Grand Haven, Mich.....	50		42	.70		.64
Milwaukee, Wis.....	49		14	.75		.71
Chicago, Ill.....	52		28	.30		.36
Duluth, Minn.....	45			.64		.64
<b>Upper Mississippi Valley:</b>						
St. Paul, Minn.....	53		28	.68		.68
La Crosse, Wis.....	54		14	.63		.63
Dubuque, Iowa.....	55		24	.84		.50
Davenport, Iowa.....	56		35	.94		.70
Des Moines, Iowa.....	57		42	1.05		.96
Keokuk, Iowa.....	58		28	.84		.62
Springfield, Ill.....	59		42	1.09		.65
Cairo, Ill.....	64		42	.84	.79	
St. Louis, Mo.....	63		46	.84	.26	

Table of temperature and rainfall, week ended May 8, 1891—Continued.

Locality.	Mean temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
<b>Missouri Valley:</b>						
Springfield, Mo.....	64		42	1.38		.22
Kansas City, Mo.....	61		28	.91		.73
Concordia, Kans.....	59			.91		.85
Omaha, Nebr.....	58			.92		.70
Valentine, Nebr.....	53		14	.77		.35
Huron, S. D.....	52			.77		.67
Sully, Fort, S. D.....	54		28	.44		.24
<b>Extreme Northwest:</b>						
Moorhead, Minn.....	49			.52		.52
Bismarck, N. D.....	50			.56		.54
Buford, Fort, N. D.....	50		14	.35		.15
<b>Rocky Mountain Slope:</b>						
Assiniboine, Fort, Mont.....	50			.21	1.81	
Helena, Mont.....	50	40		.28	.74	
Custer, Fort, Mont.....	52		28	.42	.10	
Salt Lake City, Utah.....	55	70		.49		.46
Cheyenne, Wyo.....	48	56		.49		.49
North Platte, Nebr.....	55	14		.63		.62
Denver, Colo.....	53	70		.67		.67
Montrose, Colo.....	54	46		.21	.21	
Pueblo, Colo.....	56	56		.32		.32
Dodge City, Kans.....	60	14		.74		.74
Sill, Fort, Ind. T.....	67			.98		.58
Santa Fé, N. Mex.....	53			.14	.50	
<b>Pacific Coast:</b>						
Olympia, Wash.....	53		14	.66	1.11	
Portland, Oreg.....	57			.63	.97	
Roseburg, Oreg.....	56	14		.49	1.77	
Red Bluff, Cal.....	65			.39	.09	
Sacramento, Cal.....	63			.35	.17	
San Francisco, Cal.....	57			.24	.34	
Los Angeles, Cal.....	63		14	.13		.12
San Diego, Cal.....	61			.11		.11
Yuma, Ariz.....	75	28		.02		.02



## FOREIGN.

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

*Further reports upon the nucleo-protein found in tuberculous material, and upon the method of administering tuberculin as practiced by Professor Koch.*

Passed Assistant Surgeon J. J. Kinyoun, M.-H. S., transmits the following from Berlin, dated April 26, 1891:

In reference to a statement made, under date of April 4, about the peculiar product which had been found in tuberculous material, it has, on an exhaustive examination, proven to be a nucleo-protein, derived from the cells, and is evidently caused by the peculiar body found in the tubercle bacillus. Weyl calls it a toxomucin. It is a distinct pus-producing substance. Buchnen has found similar bodies in other bacteria.

When this substance, toxomucin, is injected into tuberculous Guinea pigs there usually follows a marked reaction, in some instances so profound that death ensues within twenty-four hours. On healthy animals only a local action has followed. So far I have succeeded in obtaining but little of this substance from the cultures. I hope to have better results when the cultures have attained their growth. I have also observed that when this substance (toxomucin) is administered in minute doses to tuberculous animals there usually follows the same train of symptoms as after the administration of tuberculin. In a few of the animals thus treated recovery is evidently taking place. In a communication received from Hueppe some days ago, he states that in conjunction with several clinicians in Prague there have been experiments made with his lymph, but does not say what are the results.

I have paid visits to Moabit Hospital, where Koch is carrying out his experiments on cases of tubercle of lung. Some modification has been made in the administration, as given me in his interview and described in my letter of April 11. The remedy is given in this manner: Usually .001 is given as a trial dose. Should there be a pronounced reaction, the quantity is further diluted to .0001, and then gradually increased daily .0001, until there is a very slight reaction; then this quantity is continued for a week or ten days, and the dose is gradually decreased; then the same process is repeated. This plan certainly is superior to the old method of giving it.

It has been further observed that the most minute doses cause a local reaction about a tuberculous ulcer. This has been especially noticeable in laryngeal tuberculosis.

Professor Koch condemns those who have abandoned the treatment.

BRAZIL—*Ceara*.—Month of March, 1891. Population, 35,065. Total deaths, 130. No deaths reported from contagious diseases.

*Para*—*Yellow fever and statement of mortality for the month of March, 1891*.—The following has been received from the United States consul, dated April 3, 1891:

I have the honor to transmit herewith a health report for *Para* during the month of March, 1891. It will be seen that the total mortality

has slightly increased, yellow fever for February being reported at 27 and for March 36, showing a gradual increase each month since September. Total number of deaths for March, 221, including fevers, 63 (of which 36 were yellow fever); tetanus, 5; enteritis, 7; beri-beri, 8; and tuberculosis, 13.

CANADA—*Three Rivers*.—Month of April, 1891. Population, 8,284. Total deaths, 29. No deaths from contagious diseases.

CEYLON—*Smallpox*.—Week ended March 22, 1891. Under date of March 25, 1891, the United States consul at Colombo reports 22 cases of smallpox at Colombo and 11 deaths, and 6 cases at Galle and 3 deaths.

CUBA—*Havana*.—The United States sanitary inspector sends the following monthly report, dated May 2, 1891:

I have the honor to inform you that there were 613 deaths in this city during the month of April. Fourteen of those deaths were caused by smallpox, 5 by yellow fever, 16 by so-called pernicious fever, 17 by enteric fever, 2 by bilious fever, 2 by paludal fever, 14 by diphtheria and croup, 1 by measles, 2 by glanders, and 1 by hydrophobia.

It will be observed that deaths from smallpox have commenced as a consequence of the recent unrestricted importations of that disease by steamships from Spain.

EGYPT.—Week ended April 3, 1891. The towns in upper and lower Egypt, including Gizeh and the Suez Canal, show a total of 869 deaths, including phthisis pulmonalis, 49; enteric fever, 45; diphtheria and croup, 3; measles, 11; whooping cough, 4; and smallpox, 3.

FRANCE—*Nice*.—Month of March, 1891. Population, 78,482. Total deaths, 260, including phthisis pulmonalis, 11; enteric fever, 1; scarlet fever, 1; diphtheria, 2; smallpox, 2; measles, 1; and whooping cough, 1.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 28 great towns of England and Wales during the week ended April 25 corresponded to an annual rate of 24.3 a thousand of the aggregate population, which is estimated at 10,010,426. The lowest rate was recorded in Brighton, viz, 11.6, and the highest in Sheffield, viz, 57.8 a thousand. Diphtheria caused 3 deaths in Cardiff and 2 in Liverpool.

*London*.—One thousand eight hundred and nine deaths were registered during the week, including measles, 51; scarlet fever, 6; diphtheria, 23; whooping cough, 54; enteric fever, 13; and diarrhoea and dysentery, 15. The deaths from all causes corresponded to an annual rate of 21.0 a thousand. Diseases of the respiratory organs caused 471 deaths. In greater London 2,220 deaths were registered, corresponding to an annual rate of 19.7 a thousand of the population. In the "outer ring" the deaths included diphtheria, 6; measles, 6; and whooping cough, 16.

*Newcastle-upon-Tyne.*—Two weeks ended April 18, 1891. Population, 163,000. Total deaths from all causes, not reported. Scarlet fever caused 2 deaths and diphtheria 1.

*Ireland.*—The average annual death rate, represented by the deaths registered during the week ended April 25, in the 16 principal town districts of Ireland, was 22.5 a thousand of the population. The lowest rate was recorded in Wexford, viz, 4.3, and the highest in Drogheda, viz, 33.8 a thousand. In Dublin and suburbs 156 deaths were registered, including enteric fever 1 and whooping cough 4.

*Scotland.*—The deaths registered in eight principal towns during the week ended April 25 corresponded to an annual rate of 22.1 a thousand of the population, which is estimated at 357,215. The lowest mortality was recorded in Perth, viz, 10.8, and the highest in Paisley, viz, 46.0 a thousand. The aggregate number of deaths registered from all causes was 586, including measles, 43; scarlet fever, 1; diphtheria, 4; whooping cough, 32; fever, 3; and diarrhoea, 7.

INDIA—*Calcutta—Cholera.*—Under date of April 8, 1891, the United States consul-general reports as follows: Week ended March 21, 39 deaths; week ended March 28, 27 deaths.

SWITZERLAND—*Zurich.*—Month of March, 1891. Population, 91,323. Total deaths, 210, including phthisis pulmonalis, 23; typhus fever, 3; diphtheria and croup, 6; and whooping cough, 12.

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.....	Apr. 18.....	5,877,390	2,154					7	12	34	56	
Paris.....	Apr. 18.....	2,260,945	1,172							41	44	
Vienna.....	Apr. 4.....	1,368,633	725			7		5	7	31	9	3
Liverpool.....	Apr. 18.....	620,443	261							2		
Hamburg.....	Apr. 11.....	570,534	250					3		5		
Hamburg.....	Apr. 18.....	570,534	274					2	5	4		
Glasgow.....	Apr. 18.....	545,678	265						1	6		
Buda Pesth.....	Apr. 23.....	507,000							1	5		
Brussels.....	Apr. 18.....	469,459	208			24		6		1		
Warsaw.....	Apr. 11.....	465,272	220			3						
Warsaw.....	Apr. 18.....	465,272	189			1		2	5	3		
Calcutta.....	Mar. 21.....	433,219	244	39								
Calcutta.....	Mar. 28.....	433,219	220	27		2			1			
Rome.....	Apr. 22.....	417,392	237					1		8	16	3
Lyons.....	Apr. 18.....	401,930	184									
Munich.....	Apr. 11.....	349,000	199							3		
Munich.....	Apr. 18.....	349,000	200						3	4		
Copenhagen.....	Apr. 18.....	320,000	132						1	3		
Odessa.....	Apr. 11.....	295,000	121			1			1	2		
Odessa.....	Apr. 18.....	295,000	108						2	2		
Cologne.....	Apr. 18.....	282,385	132							4		2
Dresden.....	Apr. 11.....	276,085	126							6		
Dresden.....	Apr. 18.....	276,085	94							1		
Edinburgh.....	Apr. 11.....	275,436	102							1		
Edinburgh.....	Apr. 18.....	275,436	115							3		
Barcelona.....	Apr. 24.....	272,000	145							4		
Palermo.....	Apr. 18.....	250,000	99					6				
Antwerp.....	Apr. 18.....	238,788	98					2	1	1		
Antwerp.....	Apr. 25.....	238,788	112					1	1	1		
Bristol.....	Apr. 18.....	235,171	90					1	1	1		
Belfast.....	Apr. 18.....	234,822	141				1	2	1	1		
Rotterdam.....	Apr. 18.....	209,134	99									
Rotterdam.....	Apr. 25.....	209,134	95									
Prague.....	Apr. 18.....	182,530	149					3	2	6		
Genoa.....	Apr. 25.....	180,502	91							3	1	
Frankfort-on-the-Main.....	Apr. 18.....	179,850	77						1	9		
Hanover.....	Apr. 18.....	168,500	60							5		1
Konigsberg.....	Apr. 12.....	161,200	63									
Trieste.....	Apr. 18.....	158,054	94							5		
Ghent.....	Apr. 18.....	152,395	82					1			8	1
Nuremberg.....	Apr. 11.....	142,523	54						3	1		
Stuttgart.....	Apr. 25.....	139,659	50							5		
Higo.....	Apr. 4.....	136,012	52							1		
Funchal.....	Apr. 18.....	133,250	25									
Elberfeld.....	Apr. 4.....	125,830	46			2				1	3	1
Elberfeld.....	Apr. 11.....	125,830	50							1	2	2
Bremen.....	Apr. 18.....	125,000	58									
Cardiff.....	Apr. 11.....	121,477	62					1				
Cardiff.....	Apr. 18.....	121,477	58									
Danzig.....	Apr. 11.....	120,000	51							2		
Danzig.....	Apr. 18.....	120,000	57						1	1		
Barmen.....	Apr. 4.....	116,248	40							3		1
Barmen.....	Apr. 11.....	116,248	43							1		
Barmen.....	Apr. 18.....	116,248	46							2		
Stettin.....	Apr. 11.....	116,000	48					1		2		
Stettin.....	Apr. 18.....	116,000	51					2		1		
Havre.....	Apr. 11.....	112,074	58							1		
Havre.....	Apr. 18.....	112,074	67							1		
Havre.....	Apr. 25.....	112,074	55					2				
Catania.....	Apr. 19.....	110,000	71					1	2			
Crefeld.....	Apr. 18.....	108,000	85									
Crefeld.....	Apr. 25.....	108,000	70							1		
Gothenburg.....	Apr. 18.....	106,246	43							1		
Rheims.....	Apr. 25.....	104,639	58							1		
Aix-la-Chapelle.....	Apr. 19.....	104,176	33							1		
Leghorn.....	Apr. 19.....	103,762	65									
Zurich.....	Apr. 18.....	91,323	70			1		2	7	15	27	5
Leith.....	Apr. 11.....	80,736	30					1		1		
Leith.....	Apr. 18.....	80,736	31									
Mannheim.....	Apr. 18.....	80,000	34							2		
Mayence.....	Apr. 18.....	73,271	18							1		
Mayence.....	Apr. 25.....	73,271	31							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.	Whooping cough.
Cadiz.....	Mar. 21.....	57,157	68							1		
Cadiz.....	Mar. 28.....	57,157	56							2		
Cadiz.....	Apr. 4.....	57,157	32			2						
Merida.....	Apr. 13.....	47,400	46									
Trapani.....	Apr. 18.....	45,065	6									
Cienfuegos.....	Apr. 26.....	41,647	20									
Marsala.....	Apr. 18.....	40,131	14									
Schiedam.....	Apr. 18.....	25,437	9									
Schiedam.....	Apr. 25.....	25,437	5									
Cartagena.....	Apr. 11.....	25,000	7									
Cartagena.....	Apr. 18.....	25,000	9									
Curacao.....	Apr. 18.....	25,000	4									
Gibraltar.....	Apr. 5.....	23,981	3									
Gibraltar.....	Apr. 12.....	23,981	8									
Gibraltar.....	Apr. 19.....	23,981	6									
Gibraltar.....	Apr. 26.....	23,981	14									
Vera Cruz.....	Apr. 23.....	23,800	24		1							
Girgenti.....	Apr. 18.....	23,547	10				1					
Victoria.....	Apr. 25.....	20,000	6									
Licata.....	Apr. 18.....	20,000	7						1			
Kingston, Can.....	May 1.....	18,172	6									
Matamoras.....	Apr. 25.....	16,000	7									
Matamoras.....	May 2.....	16,000	14									
Rio Grande do Sul.....	Mar. 14.....	16,000	14					1				
Hamilton, Bermuda.....	Apr. 30.....	15,700	3									
Hamilton, Bermuda.....	May 7.....	15,700	4									
Sagua la Grande.....	Apr. 25.....	15,605	5					3				
Flushing.....	Apr. 18.....	13,200	9									
Flushing.....	Apr. 25.....	13,200	5									
Port Stanley and St. Thomas.....	Apr. 8.....	11,000	3									
Port Stanley and St. Thomas.....	Apr. 15.....	11,000	5									
Queenstown.....	Apr. 25.....	10,340	3									
Queenstown.....	May 2.....	10,340	4									
Guelph.....	May 3.....	10,173	3						1			
Tuxpan.....	Apr. 18.....	9,000	7									1
Tuxpan.....	Apr. 25.....	9,000	4									
La Guayra.....	Apr. 18.....	7,641	5									
Sarnia.....	May 3.....	6,200	2									
Santiago, Cape Verd.....	Mar. 7.....	4,500	4									
Santiago, Cape Verd.....	Mar. 14.....	4,500	3									
Santiago, Cape Verd.....	Mar. 21.....	4,500	7									
Santiago, Cape Verd.....	Mar. 28.....	4,500	6									
Coaticook.....	May 2.....	3,800	2									
Livingston.....	Apr. 25.....	3,000	3									
Prescott.....	Apr. 30.....	2,988	1									
Prescott.....	May 7.....	2,988	1									
Dunmore Town.....	Apr. 23.....	2,400	1									
Puntarenas.....	Apr. 4.....	2,200	4									

OFFICIAL:

JOHN B. HAMILTON,

*Supervising Surgeon-General, Marine-Hospital Service.*