ABSTRACT OF SANITARY REPORTS.

Vol. VI. Washington, D. C., November 6, 1891.

No. 45.

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

UNITED STATES.

SPECIAL REPORTS.

Gulf quarantine station.

Surgeon R. D. Murray reports as follows relative to the American brigantine *John McDermott*, from Rio de Janeiro via Barbados and Round Island quarantine:

OCTOBER 29, 1891.

SIR: I have the honor to report the arrival here this day of the American brigantine *John McDermott* from Rio Janeiro via Barbados and Round Island quarantine.

This vessel had one case of yellow fever in Rio; result, recovery and return to duty. She also had four cases of smallpox, one of which died, one recovered and returned to duty, and two were left in hospital on departure, but have since recovered.

Her crew consists of ten all told, one of which has had smallpox, eight have been vaccinated, and one (shipped at Barbados) has not been vaccinated. From the fact that this last case has not contracted the disease, it is presumed that there is no danger to be apprehended. Nevertheless, the vessel, clothing, etc., will be thoroughly disinfected, and the crew held under observation.

The Supervising Surgeon-General M.-H. S.

Note.—The active quarantine season having closed, the tabulated reports of vessels inspected and treated at the various United States quarantine stations will be discontinued until next season.

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

MICHIGAN.—Week ended October 24, 1891. Reports to the State board of health, Lansing, from 64 observers, indicate that diphtheria, pneumonia, pleuritis, scarlet fever, and bronchitis increased, and that puerperal fever, cholera infantum, dysentery, erysipelas, whooping cough, and inflammation of brain decreased in area of prevalence.

Diphtheria was reported present during the week and since at 41 places, scarlet fever at 41 places, enteric fever, which increased by 72 per cent., at 81 places, and measles at 3 places.

76 (515)

Montana—Butte City.—Year ended June 30, 1891. Population (estimated) Butte and 3 miles sanitary limit, 30,000. Total deaths, 678, including scarlet fever, 35; enteric fever, 31; croup, 12; diphtheria, 12; measles, 2; whooping cough, 2; and phthisis pulmonalis, 21.

Publications received.

Report of the Department of Health of the City of Chicago, Ill., 1890. The Sanitary Inspector (Maine State Board of Health), September, 1891.

Fifth Annual Report of the State Board of Health of Ohio, year ending October 31, 1890.

Twenty second Annual Report of the State Board of Health of Massachusetts.

Tenth Annual Report of the Board of Health of the City of Detroit, Mich.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

		U. S. 390.	from .				I	eath	ıs fr	om-	_			
Cities.	Week ended.	Population, U. Census of 1890	Total deaths fall causes.	Phthisis pul- monalis.	Yellow fever.	Smallpox.	Varioloid.	Varicella.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	2 Neasles.	Whooping cough.
Chicago, Ill	Oct. 31	1,099,850		44						42	11	32	2	1
Philadelphia, Pa	Oct. 24	1,046,964	407	56			•••••		•••••	4	5	37	1	1
Boston, Mass	Oct. 31	448, 447	181	25			•••••		•••••	9	··· <u>·</u> ·	11		••••
Cincinnati, Ohio	Oct. 30	296, 908	137	11			•••••		•••••	8	7	9		••••
Cleveland, Ohio	Oct. 24	261,343	87				•••••			3	• • • • • • • • • • • • • • • • • • • •	3		
Cleveland, Ohio	Oct. 31	261, 343	103		•••••			•••••		3		6		••••
New Orleans, La	Oct. 10	242,039	109	12				•••••		1		1		
New Orleans, La	Oct. 17	242,039	107	15								6		
Pittsburgh, Pa	Oct. 24	238, 617	68							2	1	13	١	
Pittsburgh, Pa	Oct. 31	238, 617	100							10	2	18	1	J
Washington, D. C	Oct. 24	230, 392	113	12						7		8		
Milwaukee, Wis	Oct. 31	204, 468	75	3						1		12		j
Minneapolis, Minn	Oct. 31	164, 738	47							2	١	7		
Louisville, Ky	Oct. 24	161, 129	62	3						4	i	7	1	l
Louisville, Ky	Oct. 31	161, 129	53	8						6		7		l
Rochester, N. Y	Oct. 31	133, 896	55	8						2		5		1
Providence, R. I	Oct. 31	132, 146	38	"						2		1	1	
Toledo, Ohio	Oct. 30	82, 652	23					•••••		2	1	6		
Richmond, Va	Oct. 31	81, 388	37	3						ĩ	-	7		
	Oct. 31	76, 168	25	5		•••••		•••••		2		•		
Nashville, Tenn		74, 398	25	1				•••••		2	•••••	•••••		'
Fall River, Mass		40, 634	15	2	•••••	•••••				ĩ	•••••	3		
Erie, Pa				2				•••••		4		2		
Binghamton, N. Y	Oct. 31	35,005	13	2	•••••		•••••			2		-		····
Portland, Me	Oct. 31	33, 810	13	į						z				•••••
Yonkers, N. Y	Oct. 31	32, 033	7				••••	•••••	•••••		1	1		
Mobile, Ala	Oct. 31	31,076	24	4						3		2		
Galveston, Tex	Oct. 16	29, 084	11	1						1				
Auburn, N. Y	Oct. 24	25, 858	7	1						•••••				
Auburn, N. Y	Oct. 31	25, 858	5							1				
San Diego, Cal	Oct. 24	16, 159	1											
Rock Island, Ill	Oct. 25	13, 694	5	1										
Pensacola, Fla	Oct. 24	11,750	8	1							ł			

Table of temperature and rainfall, week ended October 30, 1891.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Mean te	mperature Fahrenhe	in degrees it.	Rainfall	in inches	and hun
nocamy.	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficienc
New England States:						
Eastport, Me Portland, Me	43		43	1.05		.:
Portland, Me	42		31	. 92		
Roston Mass	48		31	. 99		
Block Island, R. I	51		36	. 98		. 0
diddle Atlantic States:	1					
Albany, N. Y	47			. 77		
New York, N. Y	52			. 81		
Philadelphia, Pa	53			. 74		
Atlantic City, N. J Baltimore, Md	52 54			.77		
Washington D. C.	53			.70		•
Washington, D. C Lynchburg, Va	54			. 70 . 70		
Norfolk, Va	58		13 38	. 84		
NOTIOIK, Va	96	••••••	90	.04		
South Atlantic States:	57		11	. 84		
Wilmington N C	61			.70		:
Charlotte, N. C	64			.86		:
Augusta, Ga	62			.63		
Savannah, Ga	64			.74		
Jacksonville, Fla	68			. 91		
Jacksonville, Fla Key West, Fla	78			.89		
dulf States:			!	• • • •		
Atlanta Ga	58	1		.70	l	
Pensacola, Fla	66			. 89		
Mobile Ale	65					
Montgomery, AlaVicksburg, Miss	63		13	. 67		
Vicksburg, Miss	63	7	10	.84		
New Orleans La	67		10	. 84		
Shreveport, La	63	8		. 98		
Fort Smith, Ark	58	34		. 79		
Little Rock, Ark	60	19		.79		
Palestine Tex	63	30		. 90		
Galveston, Tex	69	16	·	1.12		1.
San Antonio, Tex Corpus Christi, Tex	66	29		. 38		
Corpus Christi, Tex	i 70	21		.70		
Brownsville, Tex	72	(*)		.72		. (*)
Brownsville, Tex Rio Grande City, Tex	72	(*)		. 39		(*)
hio Valley and Tennessee	1		1			i
Memphis, Tenn Nashville, Tenn	. 59	30		. 89		
Nashville, Tenn	. 56	16		. 70		
Chattanooga, Tenn	58	2		. 82		. •
Knoxville, Tenn Louisville, Ky Indianapolis, Ind	55		. 16	. 79	:	
Louisville, Ky	55	18	······	.81		
Indianapons, Ind	50	28		.70		
Cincinnati, Ohio	53 50	9 8		. 70 . 70		
Columbus, Ohio	. 50	8	3	. 63		
Pittsburg, Pa	51		. 0	.00		١ .
ake Region:	45		. 19	.77	1	
Oswego, N. Y	45	0	0	.77		
Buffalo N V	46			.91		
Erie, Pa	48		5	.98		
Cleveland, Ohio	49	12		.63		
Sandusky, Ohio	49	1 79		, 63		
Toledo, Ohio	48	12		. 63		
Detroit Mich	. 48			. 63		
Port Huron, Mich	45		. 2	. 63		
Alpena, Mich	41	12	·	.83		
Marquette Mich	40	40		. 66		
Grand Haven, Mich	45	19		.77		.i .
Grand Haven, Mich Milwaukee, Wis Chicago, Ill.	44	56	1	. 56		
Chicago, Ill	47	44		.71		
Duluth, Minn	40	45		.48		. :
Inner Mississinni Valley ·	1		1			1
St. Paul, Minn La Crosse, Wis	42	65		. 35		. .
La Crosse, Wis	. 45	68				
Dubuque, Iowa	46	45		.58		
Davenport, Iowa	. 48	63		. 65		
Des Maines Jawa	1 47	77		.72		. .
Keokuk, Iowa	. 50	67		. 63		
Springheid, III	. 90	43		. 77		. .
	. 56	. 29	·	.78		
Cairo, III St. Louis, Mo	53					.1

^{*} Missing.

Table of temperature and rainfall, week ended October 30, 1891—Continued.

Locality.	Mean ten	nperature Fahrenhe	in degrees it.	Rainfall in inches and hundredths.					
•	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency			
Iissouri Valley:									
Springfield, Mo	54	57		. 80		. 80			
Kansas City, Mo				.72					
Concordia, Kans		si si		. 35					
Omaha, Nebr		89		. 44		4			
		79		.21					
Valentine, Nebr	40				,				
Huron, S. Dak	41	73		. 28					
Pierre, S. Dak	44	78	į	. 14		. 1			
Extreme Northwest:									
Moorhead, Minn		72		. 40					
Bismarck, N. Dak		81		. 21					
Buford, Fort, N. Dak	38	(*)		. 21		(*)			
Rocky Mountain Slope;		1			1	1			
Assinniboine, Fort, Mont	39	79		. 14	.01				
Helena, Mont	40	91		. 14	l	. 1			
Salt Lake City, Utah	46	83		. 35		. 3			
Cheyenne, Wyo		74		. 14		. 1			
North Platte, Nebr		66		. 18	1	.1			
Denver, Colo		72		.21					
Montrose, Colo		52		.21					
		47							
Pueblo, Colo			¦						
Dodge City, Kans		64		.21					
Sill, Fort, Ind. T		(*)	ļ	. 56					
Santa Fé, N. Mex	46	48		. 21		. 2			
Pacific Coast:					!				
Olympia, Wash		25			2.23				
Portland, Oreg		35		1.19	2.27				
Roseburg, Oreg	51	42		. 75	. 31	'			
Red Bluff, Cal	59	17		. 46	. 16				
Sacramento, Cal	58	33		.28					
San Francisco, Cal	59		. 1	. 35		.3			
Los Angeles, Cal		15	1						
San Diego, Cal			2	. 14					
Yuma, Ariz		46		.07					

^{*} Missing.

FOREIGN.

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

Sanitary Commission at Constantinople—Reports of the United States Sanitary

Commissioner.

REPORT No. 32.—Though cholera news is better, the epidemic has not yet disappeared. The sanitary physician at Aleppo reports that the disease shows a tendency to acquire a right of sojourn in that vilayet. He complains of the authorities, who do not care about improving the sanitary condition of the place. He states that all sorts of abuses occur there on the part of the officials, who, according to the valy or general governor, lack integrity and probity. Though cholera still exists, the sanitary commission established there on account of the epidemic has been dissolved.

In the Hedjaz the epidemic had ceased, but again fresh cholera deaths have been registered at Medina, around which place quarantine cordons have been established. Besides that, in the surrounding villages of Confuda, Rahmanie, and Heli cholera broke out on the 15th of Sep-

tember, and several deaths therefrom have been registered.

Since the outbreak of cholera at Aleppo, 1,621 deaths have been registered in all that vilayet.

The health of the capital, with the exception of a light epidemic of typhoid fever, was rather good up to a fortnight ago, but since that time a very severe epidemic of diphtheria has broken out, raging among the Jews of the capital, and especially among the Jews here who were expelled from Russia. It is reported that the epidemic was imported by the refugees. It has not yet spread over the quarter of

Galata where these Jews are living.

This quarter, Galata, is dreadfully dirty and overcrowded, and its inhabitants, especially the Jews, are not cleanly. The physicians of the town have already given the alarm, and the authorities use their best efforts to check the spreading of the epidemic. But I consider their methods rather bad. For instance, when an attack of diphtheria is reported, the authorities oblige the parents of the sick to leave the house in order that it may be disinfected, but they do not provide any place for isolation of the sick; so that the affected family is obliged to go to another house, which is thus infected. It is not known how many deaths from diphtheria have occurred up to date. I will keep you advised of the progress of the epidemic.

SPIRIDION C. ZAVITZIANO.

Constantinople, October 8, 1891.

REPORT No. 33.—In my report No. 7, under date of the 16th of October, 1890, I mentioned that cholera had made its appearance at Alexandretta in consequence of the removal of the 600 soldiers from the infected vilayet of Aleppo to that of Beirut. The same thing oc-

curred this year in Yemen. There has been a removal of troops from the Hedjaz to Hodida, one of the seaports of Yemen, where on the 11th instant 13 deaths from cholera occurred at the military hospital. It is stated in the city of Hodida no deaths of the epidemic have been ascertained. It is to be hoped that cholera will not spread in the city. At the same time, in upper Syria the cholera has spread over the quarantine cordons, and deaths from that disease have occurred at Damascus since the 11th instant. The quarantine has never extended from Messina in Caramania to Jaffa in the Holy Land. These two cities have been excluded, and the quarantine in the Hedjaz has been extended also since the 9th instant. All the Arabian coast from Yambo to the Strait of Bab-el-Mandeb is under quarantine.

The epidemic of diphtheria in Constantinople has not spread to other quarters.

SPIRIDION C. ZAVITZIANO.

Constantinople, October 14, 1891.

Canada—Smallpox.—Dr. Elzear Pelletier, secretary of the board of health of the Province of Quebec, furnishes the following report as to the existence of smallpox in the province up to November 3, 1891.

Counties.	Municipalities.	Cases since outbreak.	Deaths.	Recovered.	Still sick.
		5	3	2	0
	Charleton	9	1	8	Ų
	Shoolbred and Nouvelle	1	0	.0	1
Rimouski	St. Damase	14	3	0	11
Temiscouata	St. Paul de la Croix	59	8	20	31
Do	St. Clement	• 5	0	3	2
Do	lle Verte	1	1	0	0
Gaspe	Pabos	6	1	0	. 5
	Newport	5	ī	0	4
	Ascot	4	3	1	Ō
	La Jeune Lorette	î,	ő	ō	ĭ
		i			

CHILE—*Talcahuano*.—Week ended August 22, 1891. A few isolated cases of smallpox are reported amongst the soldiers.

Concepcion City.—Eighty-seven deaths from smallpox from January 1 to June 30, 1891, are reported as follows: Month of January, 27; February, 8; March, 14; April, 8; May, 14; June, 16.

CUBA—Havana.—Week ended October 24, 1891. There were 125 deaths from all causes, including yellow fever, 13, with approximately 40 new cases; enteric fever, 3; so-called pernicious fever, 4; paludal fever, 2; and croup, 1. The United States sanitary inspector says: "Notwithstanding the fact that 13 die weekly from yellow fever, and 40 or more new cases occur during that time, the local board of health here gives and has been giving for some little time clean bills of health."

Santiago de Cuba.—Two weeks ended September 15, 1891. Total deaths, 50, including yellow fever 3 and diphtheria 1.

DEMERARA—Georgetown.—September 12, 1891. No cases or deaths from contagious diseases during the week. During the month of August, 1 death from enteric fever.

GREAT BRITAIN—England and Wales.—The deaths registered in 28 great towns of England and Wales during the week ended October 17 corresponded to an annual rate of 18.2 a thousand of the aggregate population, which is estimated at 9,405,108. The lowest rate was recorded in Derby, viz, 9.4, and the highest in Wolverhampton, viz, 25.8 a thousand.

London.—One thousand three hundred and twenty-one deaths were registered during the week, including measles, 18; scarlet fever, 13; diphtheria, 25; whooping cough, 34; enteric fever, 21; and diarrhœa and dysentery, 49. The deaths from all causes corresponded to an annual rate of 16.3 a thousand. Diseases of the respiratory organs caused 237 deaths. In greater London 1,615 deaths were registered, corresponding to an annual rate of 14.9 a thousand of the population. In the "outer ring" the deaths included diarrhœa, 18; diphtheria, 9; and scarlet fever, 4.

Ireland.—The average annual death rate represented by the deaths registered during the week ended October 17, in the 16 principal town districts of Ireland, was 22.1 a thousand of the population. The lowest rate was recorded in Dundalk, viz, 3.9, and the highest in Londonderry, viz, 27.2 a thousand. In Dublin and suburbs 164 deaths were registered, including enteric fever 9 and whooping cough 2.

Scotland.—The deaths registered in 8 principal towns during the week ended October 17 corresponded to an annual rate of 18.7 a thousand of the population, which is estimated at 1,338,314. The lowest mortality was recorded in Edinburgh, viz, 14.7, and the highest in Greenock, viz, 25.4 a thousand. The aggregate number of deaths registered from all causes was 482, including measles, 5; scarlet fever, 10; diphtheria, 9; whooping cough, 8; fever, 11; and diarrhæa, 19.

France—Nantes.—Month of September, 1891. Population, 127,482. Total deaths, 238, including typhus, 15; enteric fever, 41; and diphtheria, 2.

INDIA—Singapore.—Month of August, 1891. Total deaths, 577, including fevers, 178; bowel complaints, 74; cholera, 23; smallpox, 1; and beri-beri, 24.

SPAIN—Barcelona.—Month of September, 1891. Population, 272,000. Total deaths, 475, including enteric fever, 35; diphtheria, 13; and smallpox, 10.

SWITZERLAND—Luzerne.—Month of September, 1891. Population, 20,800. Total deaths, 26, including diphtheria 1.

MORTALITY TABLE, FOREIGN CITIES.

		nd n	Į į			1	Deat	hs fi	om-			
Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping
ondon	Oct. 10	5, 656, 909	1,737					16	11	39	18	
Paris	Oct. 10	2, 260, 945 1, 378, 530	887					4	1	11	2	1
lienna	Oct. 3	1, 378, 530	573						47	62	53	
alcutta	Sept. 5	681,559	352			1			••••	1	3	
Calcutta	Sept. 12	681, 559	364	11			•••••	,				į
Calcutta	Sept. 19 Oct. 10	681, 559 681, 559 567, 143	$\frac{421}{253}$	33					4	1 5		
Hamburg	Oct. 3	570,534	307					11	4	6		
iverpool	Oct. 10	517 116	228				2	3		i	•••••	
Buda-Pesth	Oct. 15	507, 000	33						9	21		
Brussels	Oct. 10	517, 116 507, 000 482, 158	179					3)
yons	Oct. 10	430,000	144							2		
Rome	Oct. 14	417, 392	133					. 1		3		j
openhagen	Oct. 10	$320,000 \pm$	100							7		
ologne	Oct. 17	286,935	142							2	1	1
resden	Oct. 3	276,523	97				·····			5		
dinburgh	Oct. 10	261, 970	79			•••••			•••••			1
elfast	Oct. 10	255, 896	97 100		•••••		••••	2		1		
alermo	Oct. 12 Oct. 17	250,000 222,049	69						•••••	1		
otterdam		209, 134	61			·						
othenburg	Oct. 17	206, 276	33									
rinidad	Oct. 17	189, 566										
rague	Oct. 10	182,530	89									
enoa	Oct. 10	181, 356	67							1		1
rankfort-on-the-Main	Oct. 10	179, 850	58	!) . .			3		
enice	Oct. 10	159, 100	71			1		5		4	·	١
rieste	Oct. 10	158, 054	69							2		i
thent.	Oct. 10	152, 395 142, 523	61									1
Inrembero	Oct. 3	142,523	53		•••••				1	1		
tuttgart	Oct. 17	139,659			•••••	••••				3		į
unchal	Oct. 10	133, 250	34	• • • • • • • • • • • • • • • • • • • •				1		•••••		
remen Iavre	Oct. 10	125, 600 112, 074	47 68	İ				1				1
refeld	Oct. 10	108,000	89									1
heims	Oct. 17	105, 993	54									1
iv-lo-Chanelle	Oct. 11	105, 184	54									l
echarn	Sept. 27	$105, 184 \\ 103, 762$	39					2				
eghorneghorn	Oct. 4	103, 762	53					2				
eghorn	Oct. 11	103,762	48					1		1		1
		$103,762 \\ 91,323$	27							8	10	1
Iannheim	Oct. 10	80,600	30				•••••					ļ
eith	Oet. 10	69, 933	18					2				į
[erida	Oct. 4	46, 374	31					• • • • • •			•••••	į
Ierida	Oct. 11 Oct. 18	46,374 $46,374$	39 41									i • •
Ierida rapani	Oet. 10	43, 095	11									
ienfuegos	Oct. 18	41,647	21		4			1				
ienfuegos	Oct. 10	40, 131	20					1				
chiedam	Oct. 17	25, 437	,6 7									٠
ibraltar	Oct. 11	25,755	`7							·		·
1rgent1	Oct. 10	23,547	14							١		,
era Cruz	Oct. 23	23,000	8									
icata	Oct. 10	19,000	7					• • • • • • • • • • • • • • • • • • • •		•••••		٠
ingston, Can	Oct. 23	18, 272	9				•••••				•••••	•••
agua la Grandeio Grande do Sul	Oct. 17	18, 109 17, 000	15				•••••		·····	•••••		•••
io Grande do Sul	Aug. 15 Aug. 22	17,000	15									
io Grande do Sul	Aug. 29	17,600	17			3						
ntions	Sept. 26	16, 664	31			l						
ntigua	Oct. 3	16,664	16									
ntions	Oct. 10	16,684	12					·				١
lushing	Oct. 17	13, 200	7			,						٠
t, Thomas	Oct. 9	12,019	8					i				
t. Thomas	Oct. 16	12,019	6									٠
ue!ph	Oct. 24	10, 539	5						·	4		ļ
'uxpan 'ampico	Sept. 10	9,000	6									
ampico	Oct. 17	9,000	13 3									
hatham	Oct. 17 Oct. 24	8, 730 8, 730	3	•••••	•••••						•••••	: • • •
hathamPort Sarnia	Oct. 24	6, 600	4					ļ				

MORTALITY TABLE, FOREIGN CITIES-Continued.

Cities.		Deaths from—										
	Week ended.	Estimated Portion.	Total deaths	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Puerto Plata Puerto Plata Coaticook Cliffon Livingston Amherstburg Waubaushene	Oct. 10 Oct. 17 Oct. 24 Oct. 24 Oct. 20 Oct. 26 Oct. 24	4, 200 4, 200 3, 800 3, 500 3, 000 2, 300 1, 000	3					2	1	2		

OFFICIAL:

WALTER WYMAN,

 $Supervising \ Surgeon\ General\ Marine-Hospital\ Service.$