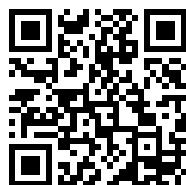


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Health Department  
OF  
BALTIMORE,  
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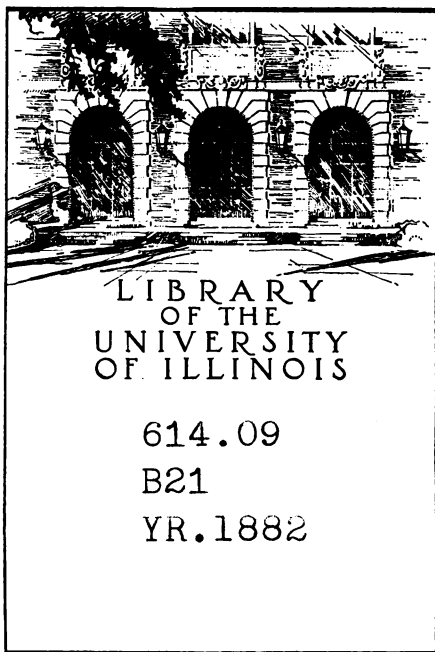
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OF THE

# HEALTH DEPARTMENT

OF THE

CITY OF BALTIMORE,

1)

TO THE

*Mayor and City Council of Baltimore,*

FOR THE

**Fiscal Year Ending December 31, 1882.**



BALTIMORE:

KING BROTHERS, "CITY PRINTERS,"

No. 163 West Baltimore Street,

1883.

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OFFICERS AND EMPLOYEES  
—OF THE—  
HEALTH DEPARTMENT  
OF THE CITY AND PORT OF BALTIMORE,  
FOR THE YEAR 1882.

GEORGE W. BENSON, M. D.  
*Commissioner of Health and Registrar.*

JAMES F. McSHANE, M. D.  
*Assistant Commissioner of Health.*

JAMES McHENRY HOWARD, M. D.  
*Resident Physician at the Quarantine Hospital of the Port of Baltimore.*

A. ROBERT CARTER,  
*Secretary.*

GEORGE C. VANSANT,  
*Index Clerk and Assistant.*

V. BURGESS HINES, *Nuisance Clerk.*

B. M. BENSON, *Permit Clerk.*

W. TAYLOR HALL, *Clerk to Registrar.*

*Assistant Permit and Assistant Registrar Clerk:*

MONTGOMERY LAWRENCE.

*Collector of Vital Statistics:*

EMANUEL WEINMAN.

*Sanitary Inspectors:*

GEORGE E. BROWN,

JOSEPH V. FITZPATRICK,

JOHN E. DURDING,

HENRY M. McKEWEN,

SAMUEL A. CLAGETT,

GEORGE R. CRAGG,

GEORGE RINEHART,

ALEXANDER ROBINSON.

*Inspectors of Sewers:*

HENRY PAFF, *Eastern District.*

JOHN W. LEE, *Western District.*

*Superintendents of Public Cemeteries:*

MICHAEL COLEMAN, *Eastern.*

F. A. KERCHNER, *Western.*



# VACCINE PHYSICIANS.

---

*First and Second Wards,*

J. C. McPHERSON, M.D., 16 Thames Street.

*Third and Fourth Wards,*

S. H. MARTIN, M.D., 133 E. Pratt Street.

*Fifth and Sixth Wards,*

W. N. HILL, M.D., 196 E. Baltimore Street.

*Seventh and Eighth Wards,*

SILAS W. HUNTER, M.D., 36 Greenmount Avenue.

*Ninth and Tenth Wards,*

J. H. SCARFF, M.D., 45 Mulberry Street.

*Eleventh and Twelfth Wards,*

W. F. LOCKWOOD, M.D., Madison Street and Park Avenue.

*Thirteenth and Fourteenth Wards,*

B. F. PHILLIPS, M.D., 327 W. Lombard Street.

*Fifteenth and Sixteenth Wards,*

E. MICHEAU, M.D., 158 S. Sharp Street.

*Seventeenth and Eighteenth Wards,*

W. A. JONES, M.D., 326 Hollins Street.

*Nineteenth and Twentieth Wards,*

FRANK J. FLANNERY, M.D., Wilson and Division Streets.



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REPORT  
OF THE  
COMMISSIONER.

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# REPORT.

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HEALTH DEPARTMENT—CITY HALL,

BALTIMORE, MD., January 1, 1883.

*To the Honorable the Mayor  
and City Council of Baltimore:*

GENTLEMEN:

In compliance with my duty, as Commissioner of Health, I hereby present a report of the conduct of the Health Department, for the year ending December 31, 1882.

Permit me to congratulate you and the citizens of this corporation, upon the extraordinary low mortuary rate for the past year, although diphtheria and small-pox have existed to a greater degree than usual. Ten months ago, by the preference of his Honor the Mayor, and your acquiescence, I was made chief of this department, and, upon assuming the duties thereof, I discovered that AGAIN I had inherited small-pox as a legacy, from my predecessor, 46 cases having been reported in January, and 53 more in February.

Entertaining the same opinion that I expressed and carried out in 1872, viz: that immediate and general

house to house vaccination and re-vaccination were the bulwarks of safety, I advised a large increase in the vaccine force, believing that the ten vaccine physicians appointed March 1, 1882, were thoroughly unable to meet the necessity and urgency of the occasion.

I immediately proceeded, with the force at my command, to encircle the infected, and protect those who were susceptible to the disease in the infected locality.

When and where a case was reported, I dispatched a vaccine physician, with instructions to make the infected house the centre, and vaccinate and re-vaccinate *all* persons within a square, North, South, East and West; and lastly, the inmates of the infected premises.

I am satisfied that this mode of procedure has prevented the occurrence of an epidemic such as we had in 1872. In that year we had no law compelling the report to this Department of any disease, not even the cause of death—nevertheless, 4,000 cases of small-pox were discovered, and probably the same number were concealed.

The whole number of cases reported in the year 1882 was 2,825, the majority of which were east of Jones' Falls, with the plurality in the 1st and 2d Wards, as shown by reference to table marked No 1.

During the past year about 90,000 vaccinations and re-vaccinations were made by the regular force, in conjunction with about 20 extra physicians who were appointed by consent of his Honor the Mayor, for those Wards where small-pox prevailed to the greatest extent.

It affords me great satisfaction to report to you that I have been assured by *eminent physicians* of this and

*other cities*, who are well versed in the management and control of contagious diseases, that the large number of vaccinations made by this Department, precludes the possibility of an epidemic. To enter into a detailed statement of the measures that have been taken to control small-pox would be unnecessary, as by frequent consultation with the Mayor and yourselves, and daily notices by the press, everything has been made known to him, you, and to the public.

A just appreciation of the services of every officer of this Department demands that I ask for them, at your hands, special favor, they having faithfully and fearlessly performed their arduous duties with such zeal and energy as will be sure to secure success.

In combatting small-pox, the expenses have been, and ever will be, necessarily large, resulting from the purchase of virus, burying the dead, disinfecting houses, transporting patients to the pest hospital, destroying infected articles, purchase of horses, wagons and supplies for the Sanitary Inspectors, restoring beds and bedding, and paying extra vaccine physicians, all of which is clearly exhibited by table marked No. 12, prepared by the very able and efficient Secretary of this Department.

The prevention and non-existence of small-pox, in this or any other city, can only be accomplished by general, annual and successful vaccination and re-vaccination.

Past experience has fully demonstrated the fact that small-pox appears in large cities at intervals of 8 or 10 years, as the sequel of neglected general vaccination.

To counteract this, I respectfully suggest that a vaccine physician should be appointed for each ward, and make it obligatory for such physician to visit and re-visit, vaccinate and re-vaccinate every person residing in his ward who is not thoroughly protected, within 12 months after his appointment; record the name, age, color, sex, number of house, name of street and ward; primary or secondary; successful or otherwise—he to receive his salary monthly; but before receiving the same, he shall qualify before a Justice of the Peace that he has faithfully performed at least one-twelfth of his work, and he shall report the same in a book kept for that purpose, for the inspection of the Commissioner of Health, or a Superintendent of Vaccination, appointed by and under the control of said Commissioner of Health, who, upon examination, if satisfied that such work has been done as stated, shall certify the fact, and the Commissioner of Health shall then draw a warrant upon the Comptroller for payment of salary of such physician.

With such safeguards thrown around the public health, and a faithful adherence to and enforcement of the law, there would never be any amount of small-pox in this community.

In performing general public vaccination, it becomes necessary to use animal virus, first, because the vaccinator must hold himself guiltless, and be able to assure the people that his virus is the purest and best, uncontaminated by contact with any other arm; and secondly, that it would be almost impossible to obtain sufficient pure and reliable humanized virus to accomplish the work that this Department proposes to do.

In accomplishing the 90,000 vaccinations this year, this Department, desirous of giving the public the benefit of the purest virus, has purchased it from many sources. 80,000 points from the New England Company at Chelsea, Mass.; 9,000 from the "National Virus Company," Washington, D C.; 1,000 from the "Maryland Vaccine Farm;" 1,000 from the "Mountain Company," Maryland, and 1,000 from the "Chambersburg Farm," Pennsylvania, all of which was first-class virus.

Diphtheria and scarlet fever have prevailed in this city during the past year to an alarming extent, which, in my opinion, is due in a great measure to the imperfect construction of privy vaults, and our faulty sewerage, aggravated by an unwarranted use of the same. Instead of the former receiving the legitimate excretion from the body, and the latter carrying off the surface drainage and storm water *only*, they are gorged with refuse of every kind, animal and vegetable, in their most decomposing and putrid state. Faithful adjuncts to the two former, are the lanes, private alleys and courts, unpaved, or if paved, in the most imperfect manner, ready and retentive receptacles for the waste from kitchen, packing houses, stables and privies, festering in themselves and generating disease germs of every character.

The construction of an independent sewer system, and the passage of a law, enforcing speedy paving and grading of all private alleys, lanes and courts, would undoubtedly curtail the number of cases of disease now attributable to these causes.

I respectfully call your attention to another fruitful source of disease, viz: the imperfect ventilation of houses, together with faulty plumbing of the same. This does not arise from want of skill on the part of our mechanics, but from the fact that the work is given out to the lowest bidder. Competition is so great that some one must lose.

To correct this evil, I respectfully suggest the passage, by your Honorable Body, of an ordinance, giving this Department supervision over the above-mentioned work in all houses hereafter to be constructed; also authority to examine, when complaint is made, all houses heretofore constructed, and enforce a proper remedy.

The complete removal and utilizing of the offal from all large cities is still an unsolved problem. This Department has nothing to do with the removing of garbage or cleaning of the streets.

The disposal of night-soil is still in the hands of this Department, and is a most annoying and perplexing task, which neither kindness nor curb can fully and satisfactorily accomplish. While the city regulates the manner, cost and time of removal of night-soil, and designates the place of delivery, it has nothing to do with the labor of its removal; and as all the difficulty this Department has to contend with arises from some misunderstanding between the laborer and the contractor for its transportation, I respectfully suggest that your "Joint Committee on Health" take the matter under consideration; hear the grievance of the men who empty the privy vaults; devise some plan by

which the city may be relieved, the laborer satisfied, and the work accomplished.

The duties of this Department for the year past have been very arduous, and the work immense. While the expense has been greater than usual, every dollar expended has been judiciously invested, the details of which are shown by the tables accompanying this report, and, I am proud to say, that no instance of sharper, decisive and more economical work of the same extent is shown in this country.

“A city’s health is her wealth,” and it is doubtful economy to stint any city in regard to sufficient means to combat disease, as it is almost impossible to estimate in advance what will be required.

The tables accompanying this report are numerous, but necessary to give you an idea of the enormous work of this Department, and showing how thoroughly your Commissioner was acquainted with the location, extent and virulence of small-pox and all other diseases in the city. They are compiled in such form that a careful examination will make them perfectly intelligible and very satisfactory to those interested.

It is proper that I should submit an estimate of how much money will be necessary to appropriate for the expenses of this Department for the year 1883. Before doing so allow me to assure you, that small-pox has reached its utmost prevalence, and while its decline will not be so lengthy as its advance, there are many nuisances that it will leave behind, thereby more than

doubling the usual work of sanitation done by this department, and making it absolutely necessary to continue the entire force until the whole city is placed in a good sanitary condition. Houses must be inspected from garret to cellar, yards, alleys and lanes, and most of all, the sewers, (hot beds of disease germs,) should be cleared of everything, and a flow of pure water through them should be allowed every day for the next six months.

In view of the expenses of small-pox alone, together with the necessary work that must be done regarding nuisances and sewers, I respectfully submit the following estimate of expenses for the ensuing year 1883, viz:

General health.....	\$20,000 00
General health, indebtedness .....	19,584 24
Nuisances and sewers.....	6,000 00
Salaries.....	31,600 00
Post Mortems.....	600 00
Quarantine Hospital.....	25,000 00
Quarantine Hospital, indebtedness. ....	854 07
10 Additional Vaccine Physicians.....	3,000 00
Extra expenses for small-pox .....	100,000 00
	<hr/>
	\$206,639 31

In discharging the duties of this Department I have endeavored to be as economical as possible and consistent with justice and equity; and while the work has

been more onerous than usually falls to the lot of those occupying this position, if I receive your approbation,

I shall be ever,

Gratefully and truly yours,

GEO. W. BENSON, M. D.,  
*Commissioner of Health and Registrar.*



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# TABLES.

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TABLE No. 1.  
SMALL-POX.

Whole number of Cases in each Ward reported each week, from the 1st of January, 1882, to the 1st of July, 1882; how many sent to Hospital, Died and Recovered.

CASES REPORTED.	WARDS.																			Total.	Hospital.	Died.	Remained in City.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	First.	Second.	Third.	Fourth.	Fifth.	Sixth.	Seventh.	Eighth.	Ninth.	Tenth.	Eleventh.	Twelfth.	Thirteenth.	Fourteenth.	Fifteenth.	Sixteenth.	Seventeenth.	Eighteenth.	Nineteenth.					Twentieth.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Week ending January 7.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.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[illegible]

GEORGE W. BENSON, M. D., *Commissioner of Health and Registrar.*

TABLE No. 1—Concluded.

## SMALL-POX.

Whole number of cases, in each Ward reported each week, from the 1st of July to the 31st of December, 1882; how many sent to the Hospital, Died and Recovered.

CASES REPORTED.	WARDS.																					Total.	Hospital.	Died.	Remained in City.
	First.	Second.	Third.	Fourth.	Fifth.	Sixth.	Seventh.	Eighth.	Ninth.	Tenth.	Eleventh.	Twelfth.	Thirteenth.	Fourteenth.	Fifteenth.	Sixteenth.	Seventeenth.	Eighteenth.	Nineteenth.	Twentieth.					
Totals brought forward.....	15	20	37	5	1	34	7	15	8	8	8	8	7	46	48	57	30	39	9	391	184	61	157		
Week ending July 1.....	9	1	9	1	3	3	3	3	4	...	...	...	...	7	4	3	...	1	...	44	5	4	35		
" " 8.....	3	...	1	...	3	...	...	...	...	...	...	...	...	3	2	3	...	1	...	16	18	6	...		
" " 15.....	5	2	4	...	...	3	...	1	...	...	...	...	...	1	...	1	...	...	...	18	4	2	12		
" " 22.....	23	4	1	1	1	2	2	1	1	...	...	...	...	2	...	...	...	...	...	35	5	3	27		
" " 29.....	10	1	5	2	1	1	1	2	...	...	...	...	...	11	...	...	...	1	...	31	5	8	18		
" " August 5.....	5	8	7	1	...	6	2	2	2	...	...	...	...	2	...	...	...	...	...	33	9	2	22		
" " 12.....	9	7	8	5	5	2	1	2	...	...	...	...	...	6	...	1	...	...	...	51	15	6	30		
" " 19.....	23	4	3	1	3	6	...	...	...	...	...	...	...	14	...	...	...	...	...	54	11	10	33		
" " 26.....	17	14	5	1	8	...	...	...	...	...	...	...	...	6	...	2	...	...	...	53	11	6	36		
" " September 2.....	22	15	8	1	2	...	5	2	...	...	...	...	...	6	1	...	...	...	...	62	10	15	37		
" " 9.....	13	21	9	1	2	7	...	...	...	...	...	...	1	8	...	...	1	...	1	...	64	9	17	38	
" " 16.....	27	18	7	...	4	...	4	...	...	...	...	...	...	7	...	...	...	...	...	64	19	14	31		
" " 23.....	17	14	5	...	2	4	...	1	...	...	...	...	...	11	...	...	...	...	...	54	16	15	23		

[illegible]

GEORGE W. BENSON, M. D., *Commissioner of Health and Registrar.*

TABLE No. 2.

## SMALL-POX.

A Table showing the Number of Cases and Infected Houses in each Ward under care of this Department at the end of each week, from July 1st to September 30th, 1882.

WEEK ENDING	WARDS.																			
	First.	Second.	Third.	Fourth.	Fifth.	Sixth.	Seventh.	Eighth.	Ninth.	Tenth.	Eleventh.	Twelfth.	Thirteenth.	Fourteenth.	Fifteenth.	Sixteenth.	Seventeenth.	Eighteenth.	Nineteenth.	Twentieth.
July 8—Cases.....	6	2	5	...	3	4	...	...	2	2	...	...	...	...	5	4	3	...	2	39
Houses.....	5	1	4	...	3	4	...	...	1	1	...	...	...	...	4	4	3	...	1	31
" 15—Cases.....	8	2	7	...	3	3	...	...	1	...	...	...	...	...	7	5	4	...	...	40
Houses.....	7	1	6	...	3	3	...	...	...	...	...	...	...	...	6	5	4	...	...	36
" 22—Cases.....	25	5	5	...	3	4	...	...	2	1	...	...	...	...	4	4	2	...	...	55
Houses.....	20	3	4	...	2	3	...	...	1	1	...	...	...	...	3	3	1	...	...	41
" 29—Cases.....	28	3	5	...	3	2	...	...	1	1	...	...	...	...	12	2	1	...	...	59
Houses.....	20	2	4	...	3	2	...	...	1	1	...	...	...	...	8	1	1	...	...	46
Aug. 5—Cases.....	20	6	5	1	...	6	...	...	...	2	...	...	...	...	8	...	1	...	...	51
Houses.....	18	5	5	1	...	5	1	...	...	1	...	...	...	...	7	...	1	...	...	44
" 12—Cases.....	18	6	4	16	4	4	1	...	2	1	...	...	...	...	7	...	...	...	...	63
Houses.....	15	4	3	15	3	2	1	...	2	1	...	...	...	...	5	...	...	...	...	51
" 19—Cases.....	32	6	6	5	5	3	...	...	2	2	...	...	...	...	5	...	1	...	...	65
Houses.....	19	4	6	4	5	2	...	...	...	1	...	...	...	...	4	...	1	...	...	46

[illegible]

GEORGE W. BENSON, M.D., *Commissioner of Health and Registrar.*

TABLE No. 2—Concluded.

## SMALL-POX.

A Table showing the Number of Cases and Infected Houses in each Ward, under care of this Department at the end of each week, from October 7th to December 31st, 1882.

WEEK ENDING	WARDS.																			
	First	Second.	Third.	Fourth.	Fifth	Sixth.	Seventh.	Eighth.	Ninth.	Tenth.	Eleventh.	Twelfth.	Thirteenth.	Fourteenth.	Fifteenth.	Sixteenth.	Seventeenth.	Eighteenth.	Nineteenth.	Twentieth.
Oct. 7—Cases.....	23	25	9	...	1	2	1	...	...	...	...	...	...	...	21	...	1	3	...	...
Houses.....	16	17	8	...	1	2	1	...	...	...	...	...	...	...	14	...	1	2	...	...
“ 14—Cases.....	42	41	5	...	...	4	1	...	...	...	...	...	...	...	16	...	5	1	...	...
Houses.....	29	28	5	...	...	3	1	...	...	...	...	...	...	...	11	...	2	1	...	...
“ 21—Cases.....	52	35	5	...	...	9	6	...	...	...	...	...	...	...	11	...	6	5	...	...
Houses.....	40	22	4	...	...	8	4	...	...	...	...	...	...	...	10	...	3	3	...	...
“ 28—Cases.....	58	38	6	...	1	19	8	...	...	...	...	...	...	...	9	...	7	4	...	...
Houses.....	42	28	5	...	1	15	5	...	...	...	...	...	...	...	5	...	4	2	...	...
Nov. 4—Cases.....	44	40	12	...	...	15	8	...	2	...	...	...	...	...	9	...	8	6	...	...
Houses.....	35	35	10	...	...	10	6	...	1	...	...	...	...	...	7	...	8	6	...	...
“ 11—Cases.....	26	42	16	...	1	11	10	...	...	...	...	...	...	...	7	...	15	9	...	...
Houses.....	24	31	12	...	1	8	7	...	...	...	...	...	...	...	6	...	15	7	...	...
“ 18—Cases.....	33	44	5	...	2	11	7	...	...	...	...	...	...	...	15	...	4	5	...	...
Houses.....	27	55	5	...	2	10	7	...	...	...	...	...	...	...	14	...	3	3	...	...
Totals.	80	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	56	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	115	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	80	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	129	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	94	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	152	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	144	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	118	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	147	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	114	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	143	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	133	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

" 25—Cases.....	43	61	8	1	3	8	8	.....	.....	.....	1	1	.....	16	6	30	1	.....	187	
	Houses.....	28	44	6	1	2	6	.....	.....	.....	1	1	.....	15	6	20	1	.....	139	
Dec. 2—Cases.....	41	74	9	1	5	15	8	.....	.....	.....	1	1	.....	2	11	8	33	1	.....	210
	Houses.....	28	51	7	1	2	11	5	.....	.....	1	1	.....	2	11	8	24	1	.....	153
" 9—Cases.....	60	78	13	3	5	20	8	1	1	2	1	2	.....	1	10	35	15	.....	270	
	Houses.....	45	55	10	2	3	16	6	1	1	1	1	.....	2	10	30	12	.....	205	
" 16—Cases.....	60	78	16	2	6	37	9	.....	.....	.....	2	1	.....	4	14	15	39	.....	302	
	Houses.....	45	55	13	2	5	26	7	.....	.....	1	2	.....	1	10	13	30	.....	231	
" 23—Cases.....	70	115	15	7	3	30	9	2	1	2	3	3	.....	1	10	10	14	.....	309	
	Houses.....	53	74	10	6	3	24	8	2	1	2	3	.....	1	10	9	12	.....	233	
" 31—Cases.....	75	118	25	8	9	35	11	1	2	2	2	2	.....	3	18	13	35	.....	589	
	Houses.....	59	75	19	6	7	29	9	1	1	2	2	.....	3	18	13	24	.....	294	

GEORGE W. BENSON, M. D., *Commissioner of Health and Registrar.*

TABLE No. 3.

## SMALL-POX.

Whole Number of Cases reported from January 1, 1882, to July 1, 1882, per week and month; color, age, sex; vaccinated and not vaccinated.

CASES REPORTED.		Per week.	Per month.	COLOR.		SEX.		AGE.		Vaccinated.	Not vacci- nated.
				White.	Black.	Male.	Female.	Adult.	Minor.		
January	7.....	3	46	1	2	1	2	1	2	2	1
"	14.....	3		1	2	1	2	1	2	1	2
"	21.....	12		6	6	7	5	6	6	6	6
"	31.....	28		3	25	15	13	10	18	16	12
February	4.....	11	53	4	7	6	5	4	7	6	5
"	11.....	21		9	12	14	7	12	9	14	7
"	18.....	8		5	3	4	4	5	3	3	5
"	28.....	13		4	9	10	3	3	10	9	4
March	11.....	17	38	8	9	7	10	8	9	8	9
"	18.....	13		7	6	9	4	7	6	3	10
"	25.....	6		1	5	5	1	4	2	3	3
"	31.....	2		1	1	.....	2	.....	2	1	1

April	8.....	21	11	10	13	8	12	9	10	11
"	15.....	9	3	6	6	3	3	6	3	6
"	22.....	21	13	8	9	12	11	10	8	13
"	30.....	27	22	5	12	15	7	20	12	15
May	6.....	20	12	8	8	12	9	11	9	11
"	13.....	19	18	1	12	7	4	15	12	7
"	20.....	38	24	14	20	18	5	33	28	10
"	31.....	30	19	11	20	10	11	19	20	10
June	10.....	31	14	17	11	20	7	24	20	11
"	17.....	24	19	5	13	11	6	18	7	17
"	24.....	15	10	5	5	10	5	10	7	8
"	30.....	36	8	28	18	18	9	27	16	20
Totals for six months .....		428	223	205	226	202	150	278	224	204

GEORGE W. BENSON, M. D., *Commissioner of Health and Registrar.*

TABLE No. 3—Concluded.

## SMALL-POX.

Whole Number of Cases reported from July 1 to December 31, 1882, per week and month; the color, sex, age; vaccinated and not vaccinated.

CASES REPORTED.	Per week.	Per month.	COLOR.		SEX.		AGE.		Vaccinated.	Not vacci- nated.
			White.	Black.	Male.	Female.	Adult.	Minor.		
Totals brought forward.....	428	428	223	205	226	202	150	278	224	204
July 8.....	24	114	14	10	13	11	6	18	9	15
“ 15.....	18		13	5	10	8	3	15	7	11
“ 22.....	35		30	5	24	11	7	28	12	23
“ 31.....	37	237	22	15	21	16	14	23	20	17
August 5.....	27		17	10	16	11	5	22	14	13
“ 12.....	51		30	21	19	32	9	42	27	23
“ 19.....	54	255	41	13	28	26	10	44	9	35
“ 31.....	105		84	21	56	49	18	87	47	58
September 9.....	74		63	11	39	35	14	60	34	40
“ 16.....	64	63	50	14	31	33	16	48	36	28
“ 23.....	54		40	14	27	27	10	44	32	22
“ 30.....	63		49	14	31	32	13	50	44	19

October	7.....	65	52	13	31	34	35	50	40	25
"	14.....	96	86	10	50	46	9	87	57	39
"	21.....	93	76	17	44	49	25	68	57	36
"	31.....	108	89	19	59	49	25	83	50	58
November	4.....	46	42	4	29	17	16	30	7	39
"	11.....	112	91	21	61	51	28	84	64	48
"	18.....	111	86	25	52	59	21	90	64	47
"	30.....	214	162	52	117	97	53	161	90	124
December	9.....	215	172	43	119	96	63	152	107	108
"	16.....	218	162	56	119	99	80	138	145	73
"	23.....	197	152	45	103	94	41	156	100	97
"	31.....	316	231	85	170	146	89	227	199	117
Totals for twelve months.....	2825	2825	2078	747	1495	1330	760	2065	1496	1319

GEORGE W. BENSON, M. D., *Commissioner of Health and Registrar.*



— 1882. —	JANUARY.				FEBRUARY.				MARCH.				APRIL.			
— AGE —	Adult.		Minor.		Adult.		Minor.		Adult.		Minor.		Adult.		M	
— SEX —	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
First Ward.....												1				
Second Ward.....			1													
Third Ward.....																
Fourth Ward.....																
Fifth Ward.....																
Sixth Ward.....													2			
Seventh Ward.....																
Eighth Ward.....																
Ninth Ward.....																
Tenth Ward.....																
Eleventh Ward.....																
Twelfth Ward.....																
Thirteenth Ward.....																
Fourteenth Ward.....															1	
Fifteenth Ward.....						1										
Sixteenth Ward.....			1		1		2	1			1				1	
Seventeenth Ward.....								1			1	3				
Eighteenth Ward.....											2					
Nineteenth Ward.....																
Twentieth Ward.....																
Totals.....			2		1	1	2	2			4	4	2	2		



— 1882. —	JANUARY.				FEBRUARY.				MARCH.				APRIL.			
— AGE —	Adult.		Minor.		Adult.		Minor.		Adult.		Minor.		Adult.		Minor.	
— SEX —	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
First Ward.....																
Second Ward.....																
Third Ward.....																
Fourth Ward.....																
Fifth Ward.....																
Sixth Ward.....															1	
Seventh Ward.....																
Eighth Ward.....																
Ninth Ward.....																
Tenth Ward.....																
Eleventh Ward.....																
Twelfth Ward.....																
Thirteenth Ward.....																
Fourteenth Ward.....																
Fifteenth Ward.....																
Sixteenth Ward.....									1							
Seventeenth Ward.....																
Eighteenth Ward.....				1	1											
Nineteenth Ward.....															1	
Twentieth Ward.....																
Totals.....				1	1				1						2	



TABLE No. 5.

Total number of deaths monthly in each Ward from Small-pox.

WARDS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
First.....			1			2	6	11	15	11	26	47	119
Second.....	1				3	2	4	8	19	35	42	70	184
Third.....							3	1	9	2	2	6	23
Fourth.....							2	2				4	6
Fifth.....							1	3	1			5	10
Sixth.....				5	2	1	1	1	5	2	8	13	38
Seventh.....									1		1	4	6
Eighth.....													
Ninth.....							1	1				8	5
Tenth.....								1					1
Eleventh.....										1			1
Twelfth.....						1							1
Thirteenth.....									1			2	3
Fourteenth.....				1								1	2
Fifteenth.....		1		1		2	1	3	11	10	2	14	45
Sixteenth.....	1	4	2	2	2				1	2	4	8	26
Seventeenth.....				1	11	6	2		1	3	15	11	50
Eighteenth.....		1	4			1				2	3	14	25
Nineteenth.....	1	1	2			1							5
Twentieth.....				1									1
Totals.....	3	7	9	11	18	16	19	31	64	68	103	202	551

GEORGE W. BENSON, M. D.,  
*Commissioner of Health and Registrar.*

TABLE No. 6.  
Report of the Regular Vaccine Physicians for Twelve Months ending December 31st, 1882.

WARDS.	PHYSICIANS.	RESIDENCE.	Number of Calls.	Number of Vaccinations.	Primary.	Secondary.	Successful.	Failed.	Not heard from.	Males.	Females.	White.	Colored.	Re-Vaccinations.	Certificates of Vaccination given.
1st and 2d	J. C. McPherson.	23 S. Chester st.	200	7,556	3,176	4,380	2,895	974	3,687	3,524	4,032	7,380	176	.....	3,200
3d " 4th	S. H. Martin.	133 E Pratt st.	2,747	3,678	1,191	2,487	763	428	2,487	1,506	2,172	3,092	586	2,487	181
5th " 6th	J. E. Gorsuch.	Fayette and Aisquith sts.	2,463	2,352	1,686	566	2,062	149	41	1,448	804	1,507	745	.....	2,800
6th " 7th	W. N. Hill.	196 E. Baltimore st.	3,207	2,212	1,172	1,040	977	419	816	1,448	1,232	1,728	848	.....	1,115
7th " 8th	E. H. Rutledge.	151 Aisquith st.	2,022	5,404	1,306	4,098	928	313	4,163	2,073	3,331	5,001	403	.....	650
8th " 9th	S. W. Hunter.	36 Greenmount ave.	3,891	2,885	734	2,101	777	518	1,540	1,189	1,046	2,580	255	600	400
9th " 10th	J. V. Coonan.	41 Courtland st.	73	890	51	839	424	135	331	465	425	689	201	.....	18
10th " 11th	J. H. Scarff.	45 Mulberry st.	1,444	1,462	212	1,251	493	236	734	619	844	464	999	461	311
11th " 12th	I. R. Page.	220 Linden ave.	678	737	118	619	90	23	624	283	454	282	455	.....	.....
12th " 13th	W. F. Lockwood.	Madison st. and Park ave.	1,142	1,046	248	798	44	277	725	337	689	584	462	100	121
13th " 14th	B. F. Phillips	327 W. Lombard st.	4,365	3,133	396	2,737	1,126	724	1,283	1,305	1,828	2,265	868	650	840
14th " 15th	J. D. Blake.	168 S. Paca st.	1,816	2,111	249	1,865	600	125	1,389	1,056	1,058	1,003	1,111	.....	950
15th " 16th	E. Micheau.	158 S. Sharp st.	4,090	7,851	650	7,200	2,360	600	4,890	3,790	4,060	2,850	5,000	1,040	1,900
16th " 17th	J. H. Smith.	Charles and Hamburg sts.	.....	1,561	348	1,213	190	52	1,319	704	857	1,382	179	.....	.....
17th " 18th	W. A. Jones.	326 Hollins st.	8,561	5,211	892	4,319	921	114	4,176	2,257	2,954	4,483	728	472	660
18th " 19th	L. R. Wilson.	Calhoun and Fayette sts.	890	2,188	524	1,665	796	178	1,215	907	1,282	1,037	1,152	.....	.....
19th " 20th	F. J. Flannery.	Wilson and Division sts.	2,637	3,159	600	2,559	82	142	2,935	1,554	1,605	2,009	1,150	.....	291
			40,296	53,290	13,553	39,737	15,528	5,407	32,355	24,917	29,273	38,336	15,954	5,817	12,437

Fifty-two extra physicians were appointed during August, September and December, who performed 41,403 vaccinations, 4,652 of which were primary, making a grand total of 94,993 vaccinations, 18,205 of which were primary.

TABLE No. 7.

*Vital Statistics of the City of Baltimore for the year 1882.*

Population by U. S. Census, taken June, 1880—white 278,487, colored 53,703, total.....	332,190
Population estimated by police census, taken middle of May, 1882— white 348,900, colored 59,620, total.....	408,520
Marriages reported during the year 1882.....	3,634
Births “ “ “ .....	7,759
Still births “ “ “ .....	677
Total number of deaths—white 6,878, colored 2,045.....	8,923
Annual death-rate per 1,000 of the population .....	21.81
“ “ “ “ white.....	19.70
“ “ “ “ colored.....	34.00
“ marriage-rate “ “ population.....	8.88
“ birth-rate “ “ “ .....	19.97
“ still birth-rate “ “ “ .....	1.65
Total deaths from small pox.....	551
“ “ measles .....	71
“ “ scarlatina.....	179
“ “ diphtheria .....	707
“ “ croup.....	222
“ “ whooping-cough .....	43
“ “ typhoid fever.....	165
“ “ typhus fever.....	3
“ “ typho-malarial fever.....	44
“ “ cerebro spinal fever.....	38
“ “ yellow fever.....	
“ “ relapsing fever.....	
“ “ cholera .....	
“ “ phthisis pulmonalis.. .....	1,217
“ “ pneumonia.....	517
“ “ bronchitis.....	110
Total deaths of children under 5 years of age.....	3,755
Percentage of deaths of children under 5 years of age, to the total mortality.....	42.07

TABLE No. 7—Concluded.

*Diarrhæal Diseases.*


---

Total deaths of children under 5 years of age.....	582
Total deaths of all ages .....	705
Total deaths from zymotic diseases.....	2,802
Percentage of deaths from zymotic diseases, to the total mortality.	31.40

*Diseases of the Puerperal State.*


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Total deaths from puerperal fever.....	16
“ “ “ convulsions.....	11
“ “ “ metritis.....	5
“ “ “ peritonitis.....	6
“ “ “ mania.....	1
“ “ “ septicæmia.....	11
“ “ child birth....	13
“ “ miscarriage.....	8
“ “ post partem hemorrhage.....	2
“ “ rupture of uterine artery .....	1

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A. R. CARTER,  
*Secretary Health Department.*

TABLE No. 8.

**Meteorological Summary for the Year 1882.**

FROM SIGNAL SERVICE RECORDS.

**PRESSURE.**

Mean Barometer.....	30,101 inches,	.033 above normal.
Highest “ .....	30,918 “	on January 24th.
Lowest “ .....	29,350 “	on February 21st.
Range of “ .....	1,568 “	

**TEMPERATURE.**

Mean Thermometer.....	55.7 degrees,	or only 0.2 below normal.
Highest “ .....	.97 “	on June 25th.
Lowest “ .....	7 “	on January 24th.
Mean Winter (1881 and 1882) Temperature, 39.9 degrees—7.5 degrees above that of 1880 and 1881, and 3.3 degrees above normal.		
Mean Spring Temperature..	52.1 “	1.6 degrees below normal
“ Summer “ ..	74.8 “	1.3 “ “
“ Autumn “ ..	58.3 “	1.1 “ above normal.

**RAINFALL.**

Rain or snow fell on 174 days, measuring 42.11 inches, an excess of only .06 of an inch above normal. The wettest month was September, with 9.38 inches of rainfall; the driest, November, with 0.65 inches.

**WINDS.**

Prevailing direction of wind, northwest.  
 Highest velocity of wind, 28 miles per hour, January 22d.  
 Mean velocity of wind, 5.5 miles per hour.  
 Total movement of wind, 48,435 miles.

**HUMIDITY.**

Mean Relative Humidity, 67.9 per cent.  
 First frost of season, November 3d.  
 First ice, November 19th.

GEO. W. FELGER,  
*Sergeant Signal Corps, U. S. A.*

TABLE No. 9.

*Annual Report of Deaths from all Causes in the City of Baltimore for the year 1882.*

CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	Septem. b'r.	October.	November.	December.	Totals.
Abscess, Brain.....	1											2	3
" Ears.....		1											1
" Abdomen.....			1										1
" Liver.....			1										1
" Pericaecal.....			1										1
" Pelvic.....			1				1						2
" Lung.....				1								1	2
" Parotid Gland.....						1							1
" Toe.....							1						1
" Perinephritic.....											1		1
Anaemia.....	2				2			4					8
Angina Pectoris.....	2	4	1	1		2					1	5	16
Apoplexy.....	11	11	15	11	8	8	11	9	19	8	5	8	124
Ascites.....	1	4	2	1			1						11
Asphyxia.....	1	3	2			2	1	1	2		2	1	15
Asthma.....	5	3	3	4	8	3	3	2	4		1	6	42
Asthenia.....	5	5	5	1	8	2	11	3	3	2	9	6	60

[illegible]

TABLE No. 9—Continued.

CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	Septemb'r.	October.	November.	December.	Totals.
Cancer, Maxillary.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
" Penis.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
" Lip.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
" Heel.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
" Carcinoma over the 10th Rib.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
" Nose.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	2
" Tongue.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
" Ventricular.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
" Omentum.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
" Face.....	.....	.....	.....	.....	.....	1	2	1	.....	1	.....	1	6
" Diffused.....	.....	.....	.....	.....	.....	2	.....	1	.....	1	.....	.....	4
" Larynx.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
" Pylorus.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
" Jaw.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	2
" Rectum.....	.....	.....	.....	.....	.....	.....	2	1	2	1	.....	.....	6
" Vagina.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
" Scrotum.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1



TABLE No. 9—Continued.

CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Congestive Chill.....	1	.....	.....	1	3	1	1	1	3	1	.....	.....	12
Catarrh.....	1	.....	.....	1	.....	1	.....	.....	.....	.....	.....	2	5
“ Bronchial.....	2	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	3
Cramps.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	2
Catarrh Senile.....	.....	.....	1	.....	.....	.....	.....	.....	.....	2	.....	.....	1
Calculus.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	4
Collapse of Lungs.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Coxalgia.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
Caries of Pelvis.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
Cholera.....	.....	.....	.....	.....	.....	.....	1	1	1	.....	.....	.....	2
Cholera.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	2
Colic (Bilious).....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
Chorea.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
Caries of Vertebrae.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Concussion of Spine.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	1
Colitis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
Cellulitis of Penis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Disease of Hip.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	3
“ Heart.....	32	22	21	22	31	26	22	17	22	18	20	33	286

Disease of Spine.....	1	1	3	1	3	1	1	1	1	1	1	1	1	14
“ Brain.....	.....	2	1	3	1	1	.....	.....	.....	.....	.....	.....	2	9
“ Liver.....	.....	.....	.....	.....	2	.....	.....	.....	1	1	.....	.....	.....	4
“ Prostate.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
Dyspepsia.....	1	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	1	4
Dropsy General.....	5	1	3	4	2	6	3	7	6	5	9	.....	6	57
“ of Heart.....	2	2	1	3	3	2	1	3	.....	1	1	.....	.....	19
“ Ovarian.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
“ Renal.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
“ Liver.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
“ Abdominal.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Drowned.....	2	1	1	4	1	2	10	6	7	5	1	.....	2	42
Dysentery.....	2	2	1	3	2	4	13	10	5	6	7	1	1	62
Diarrhoea.....	3	3	2	5	2	5	22	4	11	3	5	2	2	67
Dentition.....	2	3	10	4	5	6	14	15	11	9	5	3	3	87
Diabetes.....	2	.....	.....	1	1	.....	1	.....	1	.....	1	1	1	8
Diphtheria.....	78	52	30	35	35	31	23	43	80	107	93	100	.....	707
Delirium Tremens.....	.....	.....	1	3	.....	.....	1	.....	2	.....	1	.....	.....	8
Debility.....	.....	.....	.....	.....	.....	.....	1	1	.....	2	1	2	.....	7
Empyema.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Erysipelas.....	3	6	5	2	9	1	2	2	.....	1	4	.....	.....	35
Epistaxis.....	1	1	.....	.....	.....	2	.....	.....	.....	.....	.....	1	.....	5
Embolism.....	2	2	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	5
Epilepsy.....	.....	2	1	1	1	2	.....	3	1	.....	1	.....	.....	11
Effusion of Brain.....	.....	1	1	1	1	.....	1	.....	.....	1	.....	2	.....	7
Entero Colitis.....	.....	.....	2	2	.....	5	11	11	6	.....	2	2	.....	39

TABLE No. 9—Continued.

CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Endo Carditis.....	.....	.....	.....	2	.....	.....	1	.....	.....	.....	.....	1	4
Eczema.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Elephantiasis.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Exposure.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Fevers, Scarlet.....	12	12	15	31	18	18	9	14	8	12	10	20	179
“ Typhoid.....	11	10	8	14	8	9	14	23	29	17	5	17	165
“ Asthenic.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
“ Bilious.....	1	.....	.....	.....	.....	1	1	.....	.....	.....	1	.....	4
“ Intermitent.....	1	.....	3	1	.....	3	1	.....	2	1	2	.....	14
“ Puerperal.....	1	.....	4	3	1	2	.....	.....	.....	1	2	2	16
“ Catarrhal.....	1	1	2	1	.....	.....	.....	.....	.....	.....	.....	2	7
“ Pyogenic.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
“ Malarial.....	.....	1	3	4	6	2	6	9	8	5	7	4	55
“ Brain.....	.....	.....	1	.....	.....	.....	.....	2	.....	.....	.....	.....	3
“ Remittent.....	.....	.....	1	.....	1	1	.....	1	1	1	2	.....	8
“ Congestive.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
“ Typho Malarial.....	.....	.....	.....	6	.....	1	4	4	18	.6	3	2	44
“ Pernicious.....	.....	.....	.....	1	.....	.....	1	1	.....	1	.....	.....	3



TABLE No. 9—Continued.

CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	Septemb'r.	October.	November.	December.	Totals.
Hemorrhage Post-Partum	1	...	...	...	...	...	1	...	...	...	...	...	2
" of Brain.....	...	3	...	1	1	...	...	1	3	1	...	2	12
" Navel.....	...	2	2	1	...	...	...	1	1	...	...	...	7
" Stomach.....	...	1	...	...	...	...	...	...	...	1	1	...	3
" Lungs.....	...	1	1	1	...	1	...	2	2	1	2	2	13
" Bladder.....	...	...	...	...	...	...	1	...	...	...	...	...	1
Hydrocephalus.....	1	1	5	4	2	4	5	2	...	3	1	1	29
Hernia.....	...	1	1	...	1	...	...	1	1	...	1	...	5
" Strangulated.....	...	1	1	1	...	...	4	1	...	2	...	2	12
" Femoral.....	...	...	1	...	...	...	...	...	...	...	...	...	1
" Umbilical.....	...	...	...	...	...	...	...	...	...	1	1	...	2
Hydrothorax.....	...	...	3	...	...	1	...	...	...	1	2	...	7
Hypertrophy of Prostate Gland.....	...	...	...	1	...	...	...	...	...	...	...	...	1
Heart Clot.....	...	...	...	...	1	1	...	...	...	...	...	1	3
Helminthopyra.....	...	...	...	...	...	1	...	...	...	...	...	...	1
Haematoria.....	...	...	...	...	...	...	...	1	...	...	...	...	1
Hypertrophy of Liver.....	...	...	...	...	...	...	...	...	...	1	...	...	1

[illegible]

TABLE No. 9—Continued.

CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	Septem- ber.	October.	November.	December.	Totals.
Ileus.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Insanity.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	2
Jaundice.....	2	2	1	2	1	1	.....	1	1	.....	.....	.....	12
Leucocythæmia.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	1	3
Malformation.....	1	1	.....	1	1	.....	1	1	.....	1	3	3	13
Marasmus.....	7	10	8	7	7	13	42	27	25	27	16	15	204
Meningitis.....	11	11	14	17	5	10	27	16	14	11	5	10	151
“ Tubercular.....	2	10	5	8	6	7	4	7	7	5	5	4	70
“ Cerebro Spinal.....	1	.....	3	1	5	5	12	2	2	2	2	3	38
Murder.....	1	.....	.....	.....	.....	1	1	.....	2	1	.....	1	7
Malnutrition.....	1	1	2	.....	.....	5	5	5	2	2	.....	1	27
Myelitis.....	.....	1	.....	.....	.....	1	.....	1	1	.....	2	.....	6
Measles.....	.....	2	2	3	17	17	18	7	1	.....	2	2	71
Malaria.....	.....	1	.....	2	.....	.....	2	.....	2	.....	1	3	11
Miscariage.....	.....	.....	.....	1	1	.....	.....	.....	.....	2	3	1	8
Morbus Cæruleus.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
Malignant Sore Throat.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1



TABLE No. 9—Continued.

CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Poison .....			1	2		1			2	2	2	....	10
Parotitis .....			1	1								2	2
Puerperal Peritonitis .....				1	2				1				6
Pneumonia Hypostatic .....				1									1
Progressive Locomotor Ataxia .....							1					1	4
Placenta Prævia .....					1			1					2
Phthisis Laryngeal .....					2		1	1					4
Pneumothorax .....					1								1
Puerperal Mania .....						1							1
Potts' Disease .....							1	1					1
Prostatitis .....								1	1				3
Protracted Labor .....										1			1
Poison by eating Toad Stools .....									1				1
Pretuturnal Birth .....										1			1
Putrid Sore Throat .....										1			1
Prolapsus Funis .....												1	1



TABLE No. 9—Continued.

CAUSES OF DEATH.	January.	February.	March.	April.	May.	June.	July.	August.	Septemb'r.	October.	Novemb'r.	December.	Totals.
Spina Bifida.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	2
Suffocation.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
Sarcoma.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
Tetanus.....	2	2	1	1	1	1	3	4	3	4	1	.....	23
Trismus Nacantium.....	1	4	3	2	1	2	4	5	4	2	4	3	35
Tumor of Eye.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
“ Uterus.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	2
“ Throat.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
“ Abdomen.....	.....	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	1
“ Brain.....	.....	.....	.....	2	.....	.....	1	.....	.....	.....	.....	1	2
“ Liver.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	4
Tumor Ovarian.....	.....	.....	.....	.....	2	1	.....	.....	.....	.....	.....	2	5
Traumatic Pleuritis.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
Tabes Mesenterica.....	.....	1	.....	3	1	.....	1	.....	1	.....	1	.....	8
Thrombosis.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Typhomania.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	2
Unknown Adults.....	1	.....	2	1	1	.....	1	.....	.....	.....	.....	.....	7
“ Infants.....	6	2	4	1	3	1	4	9	6	3	6	8	53

Uræmia.....	1	2	4	1	1	1	1	1	1	1	2	1	15
Uræmic Convulsions.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Ulcer of Bowels.....	.....	1	2	2	1	1	1	.....	.....	.....	1	.....	7
“ Stomach.....	.....	.....	1	1	3	.....	.....	.....	.....	.....	2	.....	8
“ Uterus.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
“ Heel.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
“ Leg.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	1	3
Vesicular Emphysema.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Vasico Vaginal Fistula.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	2
Whooping Cough.....	4	4	3	3	3	5	3	5	2	1	1	3	43
Wounds.....	6	9	3	4	4	3	6	11	5	4	4	1	56
“ Fall.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	4	.....	5
“ Gunshot.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	2
“ Explosion of Boiler.....	.....	.....	.....	.....	7	.....	.....	.....	.....	.....	.....	.....	7
Total.....	651	647	583	720	603	632	701	848	673	696	1069	8923	

TABLE No. 9—Continued.

AGES.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.
Under 1 year.....	145	141	134	126	124	176	471	204	205	144	134	194	2198
Between 1 and 2 years....	52	66	35	52	44	45	98	87	88	95	76	106	844
“ 2 and 5 “ .....	52	49	36	67	42	43	62	44	66	61	79	112	713
Total under 5 years.....	249	256	205	245	210	264	631	335	359	300	289	412	3755
Between 5 and 10 years...	65	42	45	51	56	44	48	45	84	85	87	145	800
“ 10 and 15 “ .....	6	9	12	12	10	11	18	8	17	15	23	20	161
“ 15 and 20 “ .....	15	18	15	23	19	21	28	17	29	15	16	41	257
“ 20 and 30 “ .....	58	57	63	62	60	60	72	57	80	52	54	92	767
“ 30 and 40 “ .....	63	62	36	65	42	44	60	51	63	45	56	80	465
“ 40 and 50 “ .....	39	50	45	48	46	45	48	38	47	45	47	63	561
“ 50 and 60 “ .....	47	39	49	68	54	31	54	44	53	32	35	61	561
“ 60 and 70 “ .....	56	46	47	66	44	48	63	48	52	36	45	64	615
“ 70 and 80 “ .....	40	51	42	56	46	41	54	32	44	38	28	55	527
“ 80 and 90 “ .....	18	14	21	20	12	21	19	20	17	9	16	27	214
“ 90 and 100 “ .....	1	3	2	3	4	2	5	2	3	.....	1	8	34
“ 100 and 110 “ .....	.....	.....	1	1	.....	.....	.....	1	.....	1	1	1	6
Totals.....	651	647	583	720	603	632	1104	701	848	673	656	1060	8923

NATIVITY.												
United States--White.....												
" Colored.....												
Foreign .....												
Totals.....												
Still Births .....												
WHITE.												
Males.....												
Females.....												
COLORED.												
Males.....												
Females.....												
Totals.....												
Marriages.....												
Births (reported) .....												

Total Mortality during the year 8,923. United States, White, 5,434; Foreign, 1,443; Colored, 2,046; Total, 8,923.

Annual Death-rate per 1,000, whole population, 21.81; White, 19.70; Colored, 34.10.

Total Births, (reported) 7,759; Birth-rate per 1,000 population, 18.97.

Total Marriages, 3,634; Marriage-rate per 1,000 population, 8.88. Total Still Births, 677.

TABLE No. 9—Concluded.

Total Number of Deaths Monthly in each Ward.

WARDS.	January.	February.	March.	April.	May.	June.	July.	August.	Septemb'r.	October.	Novemb'r.	December.	Totals.
First.....	43	50	36	31	33	32	75	71	83	64	64	107	689
Second.....	22	19	17	32	29	37	64	50	72	75	86	133	636
Third.....	17	24	19	24	34	36	66	32	50	33	29	57	421
Fourth.....	24	14	11	16	32	21	42	25	36	24	26	39	310
Fifth.....	30	23	32	24	33	27	53	41	35	25	30	51	404
Sixth.....	36	20	21	40	31	34	55	42	36	35	40	57	447
Seventh.....	59	64	61	64	37	35	69	35	40	26	25	47	562
Eighth.....	26	18	33	32	23	24	43	24	30	26	21	33	333
Ninth.....	22	23	23	38	37	43	56	31	44	31	31	51	430
Tenth.....	15	22	21	21	26	23	44	35	48	16	32	40	343
Eleventh.....	20	23	19	32	27	25	67	25	28	30	19	30	345
Twelfth.....	27	33	17	32	34	37	71	42	32	29	34	54	442
Thirteenth.....	29	18	14	30	33	34	65	38	34	29	41	60	425
Fourteenth.....	18	17	25	46	11	21	46	29	29	23	28	33	326
Fifteenth.....	39	36	35	29	32	45	48	44	66	54	34	53	515
Sixteenth.....	38	32	39	37	24	29	46	28	33	42	25	43	416
Seventeenth.....	39	46	31	41	44	30	66	32	63	36	51	58	537

Eighteenth.....	54	48	35	51	37	43	54	36	37	35	40	57	527
Nineteenth.....	57	65	51	53	33	28	46	27	33	23	24	40	480
Twentieth.....	36	52	43	47	13	28	24	14	19	17	16	26	335
Totals.....	651	647	583	720	603	632	1100	701	848	673	696	1069	8923

A. R. CARTER, *Secretary Health Department.*

TABLE No. 10.

## LONGEVITY.

*The following Decedents aged seventy years and upwards are reported for the year 1882.*

MALES—WHITE.	AGES.	MALES—WHITE.	AGES.
James B. Clark.....	70	John O'Donnell.....	70
Samuel W. Walfpenny..	70	John Gardner.....	70
William Whitelock.....	70	Godfrey Kercher.....	70
James Gibney.....	70	Matthew Stroacher.....	70
John McCarthy.....	70	Herman F. Thiemeyer..	70
John M. Schaeffer.....	70	Stephen Broadbent.....	70
Henry Albers.....	70	Wm. Coghlan.....	70
Manuel Zun.....	70	W. H. Taylor.....	70
John S. Miles.....	70	John McGuire.....	71
Charles Tydings, Sr.....	70	Charles C. Gogel.....	71
Joseph Farrell.....	70	Samuel G. Kneller.....	71
Thomas Kilalea.....	70	John G. Lester.....	71
Henry McAully.....	70	George Leo Clarkson....	71
John Schoupoff.....	70	Charles Taylor.....	71
Andrew Schad.....	70	Conrad Kahler.....	71
William Salsman.....	70	William D. Kitzner.....	71
Jacob Shryach.....	70	Michael Kessler.....	71
Joseph B. Taylor.....	70	Helfrich Schott.....	71
John G. Endress..	70	Edward Lathell.....	71
George Hartley.....	70	Nicholas Reinhart.....	71
Alexander Jaffers.....	70	Samuel Loewenthal.....	71

TABLE No. 10—Continued.

MALES—WHITE.	AGES.	MALES—WHITE.	AGES.
John Lubber, Sr. ....	71	Philip Filipo.....	72
Hannibal H. Chase.....	71	James Cole .....	72
Hiram D. Brown.....	71	Lawrence Earhart.....	72
John D. Farquharson. .	71	Daniel Wittenbecher...	72
Michael Herget.....	71	George W. Bandell.....	72
Joseph Pazourek.....	71	Henry Garbside.. ..	72
Richard Tume .....	71	Franz Roel .....	72
John Ports, Jr. ....	71	Edward G. Starr.....	72
George Fuller.....	71	John Sellers.....	72
Henry S. Yeager.....	71	George L. Bush.....	72
John Martin. ....	72	Henry Baugher .....	72
George T. Rosensteel...	72	Valentine Feller. ....	72
Conrad Volkman.....	72	Antonio Persagus.....	73
Samuel H. Lyeth.....	72	Moses Cohen.....	73
Carlo Retlaghata .....	72	John H. Garner... ..	73
Gustavus R. Henderson.	72	John J. Weigand.....	73
John McPherson.....	72	Solomon Loudenslager.	73
Jacob Bissar.....	72	Frederick Ludwig.....	73
John Brahm.....	72	Capt. E. G. Sturgeon. .	73
Robert Bankhead .....	72	Benjamin Purcell.....	73
James P. Donnelly.....	72	Frank Hartman.....	73
Frederick A. Tiller.....	72	W. H. D. Alcock.....	73
George Gabeleni.....	72	John A. McGreevy.....	73
John Ettel. ....	72	J. B. Young.. ..	73
Nicholas R. Woodward.	72	Uri Kilburn.....	73
Matthias Heitzman....	72	Charles C. DeGoey.....	73
Samuel Dawson.....	72	Dieterich Schnibbe .....	73
Charles Boadecker.....	72	William Moan.... ..	73

TABLE No. 10—Continued.

MALES—WHITE.	AGES.	MALES—WHITE.	AGES.
Alfred Barker. ....	74	George W. Nedwell .....	75
Louis Klassing.....	74	William Rundle.....	75
Frederick Wernder.....	74	Charles F. Cloud.....	75
James Graub .....	74	Jacob Trust.....	75
Edward B. Grayson.....	74	Richard Hugg .....	75
James O'Neil .....	74	Samuel R. Kirby. ....	75
Veit Hoffman .....	74	George Brunnig.....	75
William H. Hozy.....	74	Philip Wehn.....	75
Isaac Coriell. ....	74	George Wagner.....	75
Conrad Kersting.....	74	Henry Humphreys.....	75
John B. Carroll.....	74	Joseph Schmidt.. ....	75
John Recherd. ....	74	John M. Eighelbager....	76
Anthony Romane. ....	74	Hugo J. Meyer. ....	76
Francis John Healy.. ...	74	Joshua Barnes ....	76
Oliver T. Cromwell.....	74	Charles Lee.. ....	76
Patrick Luby.....	75	Martin Meagher.....	76
Francis O. Laughlin....	75	Francis Rohmann.....	76
James Maccater.....	75	Rev. John Poisal, D.D...	76
Charles B. Sinoot .....	75	Daniel Ratcliff.....	76
John Haretzek.....	75	Owen Gorman .....	76
Jacob Wohllober.....	75	Martin Aman.. ....	76
Conrad Shafer.....	75	John Burk.....	76
William Byrn.....	75	James McQuade. ....	76
Justus Bruchl.....	75	John Krein.....	76
Samuel Redman .....	75	Matthew Streb. ....	76
John G. Spies.....	75	Martin Ebner .....	76
Henry S. Shryock....	75	William Lamdin. ....	76
Daniel Bixler.....	75	John W. Spedden.....	76

TABLE No. 10—Concluded.

MALES—WHITE.	AGES.	MALES—WHITE.	AGES.
John McCall.....	76	Joseph E. Trippe .....	78
Jacob Gruber.....	77	Kahlman Tranermann..	78
Andrew Einge....	77	Wm. Jones Blackston. .	78
Frederick Kitzenger....	77	Robert Steele .....	78
Frederick Becker.....	77	James McCohey. ....	78
John G. Steigenwald....	77	Isaac Pratt.....	78
John Poleininger.....	77	Joel Wright .....	78
John P. Hobbs.....	77	Anthony Dienst.....	78
Christopher Hirsch.....	77	John N. Bernberg.....	79
Bernhard Hotz.....	77	Flolintine Shuman.....	79
James Sevier.....	77	Ludwig D. Lohmeyer...	79
Charles N. Vierlinger..	77	James Tracy.....	79
Joseph Anziman..	77	Pancratino Grief.....	79
Augustus Bochman.....	77	John Kreamer. ....	79
John Mauser.....	77	Alexander J. Marshall..	79
Edward Leatherbury....	78	Walter Gevynn.....	79
Michael Knight.....	78	Abert Meters.....	79
Patrick Riordan. ....	78	George Hildt.....	79
Henry Rolf.....	78	Leonhard Waly.....	79
Eli Ross Homer.....	78	August Hauselbaugh....	79
Robert Hamill.....	78	Samuel O. Kirby.....	79
Wesley Mason.....	78	Richard Gallagher .....	79
George Everhardt.....	78	John Sauerhoff..	79
Jacob Barrichman... ..	78	Patrick Burns .....	79
Casper Hammer. ....	78	John Gand.....	79
W. H. Richardson.....	78	Alexander Tunis .....	79
Hugh Donnely. ....	78	William Wilson.....	79
Peter Zirkle.....	78	Ulrich Koenig.....	80

TABLE No. 10—Continued.

MALES—WHITE.	AGES.	MALES—WHITE.	AGES.
Harry F. Turner.....	80	Launcelot Warfield.....	81
Barrett Bond.....	80	Peter Claussen.....	81
Peter A. Watts.....	80	George Staches.....	81
Herman Dettman.....	80	Charles Zentz.....	81
Arnold Schultze.....	80	George W. Mitchell.....	81
Jessy Heineman.....	80	George Breidenstein.....	82
James D. Clark.....	80	Robert Hunter.....	82
John Sullivan.....	80	Isaac Redgrave.....	82
Owen Kernan.....	80	John Doyle.....	82
Jacob McLean.....	80	Peter Smith.....	82
Christopher Kassman.....	80	Jacob Fee.....	82
Michael Corrigan.....	80	Daniel Smith.....	82
Conrad V. Burkard.....	80	Henry Chirboln.....	83
Samuel D. Klose.....	80	William Ecelston.....	83
James Cole.....	80	Thomas T. Tucker.....	83
Patrick M. Holbrook.....	80	Theo. Emanuel Mueller.....	83
John Gridley.....	80	Elijah McDowell.....	83
James Heagy.....	80	L. P. Clark.....	83
Henry Bee.....	80	C. H. Baker.....	83
John Cook.....	80	Nathan Greenebaum.....	83
Henry Lesmbach.....	80	James Hogan.....	83
Thomas Coleman.....	81	Horatio Moore.....	83
Henry Kares.....	81	Samuel Watkins.....	83
Wolfgan Engelmeier.....	81	Francis J. Litz.....	83
Samuel P. Welsh.....	81	James Flynn.....	83
Thomas Milbourn.....	81	Lazarus Meyers.....	83
Isaac H. Clare.....	81	Franz Schott.....	83
George Wallace.....	81	Admiral H. Y. Purviance.....	84

TABLE No. 10—Continued.

MALES—WHITE.	AGES.	MALES—WHITE.	AGES.
Elias S. Richards.....	84	Albert Ziegler.....	87
John Harrigun.....	84	George Koehlin.....	87
Thomas Weems.....	84	Charles Crook.....	88
Richard Smith.....	84	Henry Suter.....	88
John Daneker.....	84	George T. Cross.....	88
Patrick McKee.....	84	Matthew McElroy.....	88
Thomas Irons.....	84	Patrick Holmes.....	88
Patrick Little.....	84	Archibald McKewen..	88
William J. Bunting.....	85	John D. Boss.....	88
William Tucker.....	85	Elisha Harrington.....	89
William Lefferman ....	85	John Colein.....	89
Robert Brown.....	85	Paul Kust.....	89
John Beere.....	85	Absalom Hanesch.....	89
T. S. W. Boyd.....	85	Achilles Simpson.....	90
David M. Perine.....	86	Michael Christopher....	90
Robert L. Hollins..	86	Charles A. Waters.....	91
John Konkle.....	86	Joseph Everest.....	92
Henry Sauerlann..	86	John Travers.....	92
Anton Schwedner.....	87	Denwood Barrow.....	95
Lazarus Herzberg.....	87	Andrew O'Brian.....	98
Fred. W. Mueller.....	87	Abner Webb.....	100
James O'Donnell.....	87		

TABLE No. 10—Continued.

FEMALES—WHITE.	AGES.	FEMALES—WHITE.	AGES.
Emeline V. Smith. ....	70	Margaret Betzenberger. 70	
Margaret Stewart.....	70	Rachael Truman.....	70
Mary Archer.....	70	Anna Maria Jones .....	70
Elizabeth Rowe.....	70	Fromet Daniel.....	70
Mary Corliss.....	70	Mary Collins .....	70
Mary A. Beeler.....	70	Harriette Boyd.....	71
Charlotte Armstrong... 70		Mary A. Therion.....	71
Elizabeth Wirth.....	70	Zelpha Bailey.....	71
Adelaide Henderson... 70		Caroline Kirby... ..	71
Elizabeth Lanahan.....	70	Mary E. Meeks.....	71
Mary E. Hennings. ....	70	Sarah King .....	71
Anne Reily.. ..	70	Mary A. Koehler.....	71
Elizabeth Inloes. ....	70	Mary A. Thompson .....	71
Sarah E. Lanpher.....	70	Teresie M. Pfisterer ....	71
Isabella Brown .....	70	Bridget Lester.....	71
Bridget Weeks.....	70	Mary P. Courts.....	71
Cuvann Greigs.....	70	Elizabeth Arnold .....	71
Frances McManus.....	70	Elizabeth Bock.....	71
Berendina Meyer.....	70	Christine Winter .....	71
Josephine Michael.....	70	Margaret Garth.....	71
Gertrude Wells .....	70	Ellanor Burton .. ..	71
Margaret S. Aldwell....	70	Mary Ann Wilson.....	71
Ann M. Rea.....	70	Margaret Been.....	72
Margaret Clarke.....	70	Christine Volk.. ..	72
Catharine Irving.....	70	Sarah Ann Foos.....	72
Marianna Dedofsky.....	70	Maria Macho.....	72
Kunigunder Poeringer. 70		Mary Ann Killduff.....	72
Ann Murray.....	70	Rebecca Slee .....	72

TABLE No. 10—Continued.

FEMALES—WHITE.	AGES.	FEMALES—WHITE.	AGES.
Ann M. Simpson. ....	72	Ann Collins. ....	72
Eliza F. Mosher. ....	72	Johanna Lindeman. ....	72
Catharine Quinn. ....	72	Sarah A. Bondel. ....	72
Anne K. Koch. ....	72	Jane Cheutes. ....	72
Emaline Jones. ....	72	Emeline Mopps. ....	72
Harriett E. Welch. ....	72	Julia H. Smith. ....	72
Rachael Potts. ....	72	Elenor Ruskell. ....	72
Louisa A. Lerp. ....	72	Elizabeth A. Cromwell. ....	73
Emeline P. Hopkins. ....	72	Gertrude Hirth. ....	73
Elizabeth Trunk. ....	72	Isabella Baterill. ....	73
Margaret McIntire. ....	72	Conradine Rottemig. ....	73
Catharine E. Weigard. ....	72	Elizabeth Hawkins. ....	73
Anna Blume. ....	72	Ann Maria Hart. ....	73
Anne Gaskins. ....	72	Elizabeth Mory. ....	73
Johanna Dorsey. ....	72	Maria Jane Rose. ....	73
Mary Ann Haywood. ....	72	Hannah Poole. ....	73
Mary Nalley. ....	72	Margaret Neal. ....	73
Jane Ruark. ....	72	Ann Halton. ....	73
Sarah H. Merrill. ....	72	Elizabeth Snyder. ....	73
Louisa Eschrich. ....	72	Mary Ann Ruth. ....	73
Sabine Johnson. ....	72	Nancy Dishman. ....	73
Ruth Henry. ....	72	Sarah Shipley. ....	73
Susan R. Emory. ....	72	Ann M. Horton. ....	73
Mary McKeon. ....	72	Maria Lechie. ....	73
Mary Nally. ....	72	Martha Kernan. ....	73
Elizabeth Kelly. ....	72	Annie M. Doberer. ....	73
Mary A. Mohle. ....	72	Eliza Doherty. ....	73
Margaret Conlan. ....	72	Charlotte Junke. ....	73

TABLE No. 10—Continued.

FEMALES—WHITE.	AGES.	FEMALES—WHITE.	AGES.
Betsy M. Mason.....	73	Wilhelmemo Schultze..	74
Mary T. Coleman.....	73	Sarah A. Hall.....	74
Rebecca R. Sherwood ..	73	Mary A. Cissel.....	74
Mary Campbell .....	73	Catharine A. Porter.....	74
Ann M. Ward.....	73	Mary A. Jackson.....	74
Mary Elizabeth Walton.	73	Thurse Gilbert.....	74
Dora Hess.....	73	Mary Woodall.....	74
Elizabeth Mitchell.....	73	Sarah T. Simpson.....	75
Jane G. Smith. . . . .	74	Sophie Bowers.....	75
Sarah M. Worley.....	74	Catharine Reitz.....	75
Sarah R. Oliver.....	74	Mary Sheeler.....	75
Barbam Maertz.....	74	Bridget Feeny.....	75
Magdaline Huber.....	74	Mary Ann Martin.....	75
Ann Winemiller... ..	74	Rebecca Haswell. ....	75
Catharine Kelly. ....	74	Anna Galagher.....	75
Louisa B. Walbach.....	74	Mary Brooks .....	75
Hannah S. Uhlfelder....	74	Margaret Celler ... ..	75
Priscilla Martin. . . . .	74	Jane Fuller.....	75
Rosina Wagner.....	74	Ruth Hartlove.....	75
Ellen Broah. ....	74	Margaret Fowler.....	75
Caroline M. Campbell..	74	Mary Dignan.....	75
Mary Smith.....	74	Sarah Huppman.....	75
Caroline D. Spedden....	74	Julia Bailey.....	75
Ann Ward.....	74	Elizabeth Thomas.....	75
Mary K. Winkle.....	74	Sarah A. Stuart.....	75
Ann Taylor.. ....	74	Mary Ann Lehr.....	75
Louisa Littig.....	74	Magdalene Dillfelder..	75
Catharine Laragg.....	74	Annie Bailey.....	76

TABLE No. 10—Continued.

FEMALES—WHITE.	AGES.	FEMALES—WHITE.	AGES.
Anna Sills. ....	76	Mary Tall. ....	77
Mary Earhart. ....	76	Mary Filte. ....	77
Elizabeth A. Simmons..	76	Regina Fleishman. ....	77
Esther Austin Morling.	76	Eliza Elder. ....	77
Mary A. Brice. ....	76	Anne Maria Koehler. ....	77
Elizabeth Powell. ....	76	Sophia M. Robinson. ....	77
Catharine Harnichfeger	76	Rose Ann Hacher. ....	77
Elizabeth A. Read. ....	76	Magdalene Allrecher. ....	77
Eliza Ball. ....	76	Matilda R. Bancroft. ....	77
Margaret C. Felthausen.	76	Sarah Ann Dorsey. ....	77
Elizabeth Crugh. ....	76	Elizabeth Younger. ....	77
Jane Hagans. ....	76	Margaret Ann McNeal..	77
Catharine Leimbach. ....	76	Emmaline Bauergett. ..	77
Ellen Poole. ....	76	Christine Shuman. ....	77
Hannah S. Schraeffner. ....	76	Susan McCammon. ....	77
Isabella McCall. ....	76	Johanna Gueith. ....	77
Elizabeth O. Higgins. ....	76	Margaret Herzet. ....	78
Ellen Larrimore. ....	76	Elizabeth Scarborough.	78
Elizabeth Sapp. ....	76	Elizabeth Rae. ....	78
Susanna Asmus. ....	76	Jane Senseney. ....	78
Ellen Bushie. ....	76	Margaret Parrish. ....	78
Josephine Schott. ....	76	Amelia Bozer. ....	78
Eliza J. Burnett. ....	76	Katharine Kornbeehler.	78
Ellen Aires. ....	77	Julia A. Decker. ....	78
Louisa C. Jenkins. ....	77	Catharine Dehnert. ....	78
Annie Lang. ....	77	Margaret Riley. ....	78
Mary Ann Cox Krebs. ....	77	Ann C. Richardson. ....	78
Eliza A. Greer. ....	77	Mary Ann Watts. ....	78

TABLE No. 10—Continued.

FEMALES—WHITE.	AGES.	FEMALES—WHITE.	AGES.
Bridget Flanagan.....	78	Harriet Hillyard.....	80
Mary Richards.....	78	Margaret Wagner.....	80
Susan Smith.....	78	Cassandra Cooper.....	80
Ann B. Dulin.....	78	Ann Buckmiller..	80
Susan Coburn..	78	Isabella Cullers.....	80
Catharine Vogler.....	79	Sophia W. D. Mayford..	80
Harriett N. Wharton....	79	Elizabeth Braner.....	80
Elizabeth Clerline.....	79	Sarah McCann.....	80
Louisa Shryach.....	79	Ann Maria Gunby.....	80
Kate Helmsteter.....	79	Elizabeth Bosman.....	80
Elizabeth A. Kehoe.....	79	Louisa F. Madden.....	80
Jean N. Crane. ....	79	Juliet A. Campbell.....	80
Sarah Henderson. ....	79	Mary Ogle.....	80
Eliza Gibbons.....	79	Margaret A. Townsend.	80
Ann E. Reth.....	79	Regina Vogel.....	80
Martha Ann Glenn.....	79	Susanna Carter.....	80
Elizabeth Ann Smith....	79	Elizabeth Mason.....	80
Eva Catharine Hilbert.	79	Emily Gardiner..	80
Ann Mary Dietz.....	80	Elizabeth Snyder.....	80
Bridget McManus .....	80	Rebecca E. Wayson.....	80
Henrietta Mitchell.....	80	Mary Dunn.....	80
Catharine Houser .....	80	Inka Jacobi Meyer.....	81
Elizabeth Pyle .....	80	Clarinda Hughes.....	81
Dora Gloch.....	80	Aramitta Brown.....	81
Mary Ann Mann.....	80	Margaret B. Ehrlicker..	81
Bridget Dunn.....	80	Ruth Hare.....	81
Catharine McDonald....	80	Priscilla Turner .....	81
Ann Hamilton.....	80	Eliza P. S. Jones.....	81

TABLE No. 10—Continued.

FEMALES—WHITE.	AGES.	FEMALES—WHITE.	AGES.
Ann Howell.....	81	Caroline Bengal.....	82
Fanny Churchman. ....	81	Ann M. Meanley.....	82
Mrs. William Ward ....	81	Bathsheba P. Keith.....	82
Sarah Metz.....	81	Catharine C. League....	82
Ann Dashields.....	81	Elizabeth Marsh.....	82
Dolithy S. Pow.....	81	Sarah Hughes.....	82
Regina Herzberg. ....	81	Abigail Chadbourn ....	82
Ann E. Dangerfield ....	81	Mary Clark.....	82
Catharine A. Eilerman. 81		Ann Allison.....	82
Elizabeth Michael.....	81	Catharine L. Kiersted ..	82
Mary E. Kaufman .....	81	Sarah A. Thornton.....	83
Anna M. Lauf. ....	81	Elizabeth Wilkerson....	83
Elizabeth Crispens.....	82	Melia E. Mamux.....	83
Margaret Mullen.....	82	Martha Ports ....	83
Mary Toole .....	82	Mary A. Frederick.....	83
Catharine Wellslager....	82	Elizabeth Albaugh.....	83
Mary Commings. ....	82	Annie M. Amon.....	83
Rose Gentner.....	82	Ann Jenkins.....	83
Meta Korff.....	82	Margaret Williams.....	83
Mary L. Einhorn.....	82	Ann Hance .....	83
Catharine Lang.....	82	Mary B. Jenkins.....	83
Mary G. Kemp. ....	82	Sophia Heckinger.....	83
Ruth Ann Taylor .....	82	Margaret Lous.....	83
Amelia Conrad.....	82	Julia Relligatta.....	83
Elizabeth Armiger.....	82	Barbara Rott.....	84
Elizabeth Powers.....	82	Mary McGlone. ....	84
Ann Bower.....	82	Dora Schmidt.....	84
Alice Smith.....	82	Jemima Atkinson.....	84

TABLE No. 10—Continued.

FEMALES—WHITE.	AGES.	FEMALES—WHITE.	AGES.
Bridget Collins.....	84	Anna Maria Wilson.....	87
Mary A. Barthelson.....	84	Agnes Kirkland.....	87
Sarah Heafer .....	85	Annie E. Chisholm.....	88
Margaret Moses.....	85	Dora Einolf.....	88
Catharine Gleason.....	85	Elizabeth Donohoo.....	88
Delilah Johnson.....	85	Catharine Boardman....	88
Elizabeth Sedicum.....	85	Barbettee Bamburger..	88
Maria Nicolai.....	85	Elizabeth Miller.....	88
Elizabeth S. Small.....	85	Sarah Conlan.....	89
Annie Meister. ....	86	Elizabeth Weaver.....	89
Angi Bruggmann.....	86	Ann Jones.....	89
Vashti Bartlett.....	86	Kezias Cross.....	89
Susan Kenly.....	86	Elizabeth Niles .....	89
Martha Valiant.....	86	Susannah Carroll .....	90
Margaret Gruetter. ...	86	Catharine Goulden.....	90
Ann Conway.....	86	Maria Moore.....	90
Ann Miller.....	86	Clara E. Schroder.....	90
Maria Loane.....	86	Sophia Bartol.....	90
Mary Greentree.. ..	87	Rebecca C. Rhodes.....	90
Ann S. Wheeler.....	87	Sarah B. McGee.....	90
Ann M. Bailey.....	87	Elizabeth Foley.....	90
Rebecca Allers.....	87	Ann Annetia Kous.....	90
Mary Nally.. ..	87	Rebecca Carter.....	90
Emily Shelley.....	87	Mary R. Crowther.....	91
Salome Diffenderffer....	87	Annie Hambleton.....	91
Elizabeth Harney,.....	87	Mary Conway.....	91
Elizabeth Brieham. ....	87	Esther Klein.....	91
Ann Griffith.....	87	Catharine Maria Raborg	92

TABLE No. 10—Continued.

FEMALES—WHITE.	AGES.	FEMALES—WHITE.	AGES.
Margaret Dinsmore.....	92	Ann McDonald.....	95
Margaret Baum.....	92	Mary Meherell... ..	95
Mary A. Blanchard .....	92	Rebecca McMachin.....	96
Maggie McGongle.....	93	Elizabeth Jones.....	97
Catharine Jones. ....	93	Mary Hugg.. ..	97
Minnie Rosensewig.....	93	Catharine Murray.....	99
Catharine Green.....	93	Elizabeth Stewart.....	101
Mary Richey.....	93	Mary Larkins.. ..	103
Margaretha Trencange.	93	Catharine Manian.....	106
Mrs. Frances Champlain	94		

TABLE No. 10—Continued.

MALES—COLORED.	AGES.	MALES—COLORED.	AGES.
John Sudler.....	70	Thomas Askins.....	75
George T. Burk ....	70	Samuel J. Hutchins.....	75
John P. Jones.. ..	70	William Johnson .....	75
George Barton.....	70	William Green .. ..	76
Louis Richardson.....	70	Denis Johnson .....	76
Horace Scott.....	70	Alfred Bias.....	78
William Wesley.....	70	Lewis Clare.....	78
John W. Church.....	70	Emile Joseph DuBois...	79
Samuel Green.....	71	George Neal.....	79
Henry Johnson.....	71	Adaway McWharter. ..	80
Jerry Graham.....	71	Levi Gaunt .....	80
Elijah Dickson.....	71	John H. Noble.....	83
Alfred Taylor.....	72	Charles Grandison.....	84
James King.....	72	Samuel Brown.....	85
Robert Brooks.....	72	James Dickerson.....	86
George W. Perkins.....	72	Thomas Jackson. ....	86
Solomon DeCoursey.....	73	Ezedeck Green... ..	87
Israel Waters.....	73	Richard Hawkins.....	88
Peter Crook.....	75	Daniel Miller.....	90

TABLE No. 10—Continued.

FEMALES—COLORED.	AGES.	FEMALES—COLORED.	AGES.
Margaret Scott.....	70	Margaret Young.....	75
Delia Chew.....	70	Margaret King.....	75
Rhodie Thomas..	70	Jane Curtis .....	75
Ann E. Hitchins.....	70	Rachael Waters..	75
Elizabeth Mason.....	70	Henrietta Sewell.....	75
Ellen Shirlle.....	70	Eliza Keeth.....	75
Christina Stalee.....	70	Matilda Cargo.....	75
Sarah Dowden.....	70	Dinah Lee.....	75
Louisa Williams....	70	Sarah Washington.....	75
Anetta Brown..	70	Catharine Landis.....	76
Susan Ann Siefers.....	70	Elizabeth Foot .....	76
Drucis A. Striple.....	70	Julia Robinson.....	76
Retta Stanley.....	70	Rebecca V. Gooding..	77
Fanny Brown.....	71	Margaret Commock.....	78
Sophia Myers..	71	Lethe Frederick.....	78
Eliza Tyler.....	72	Martha Benson .....	78
Nancy Logan.....	73	Julia Ann Meads.....	78
Maggie Posey....	73	Elsey Holiday.....	79
Maria Smith.....	73	Mary Sinclair.....	79
Susan Jains .....	73	Jennie Shields....	80
Mary Amerson.....	73	Margaret Wright .....	80
Maria Lee.....	73	Hettie A. Marshall. ....	80
Litty Bond .....	73	Henrietta Mayloons....	80
Elizabeth Jackson.....	74	Eliza Fenwick.....	80
Lilue Turner .....	74	Anna Groosberg.....	80
Nellie Hock.....	74	Lydia Roberts.....	80
Hanna Wilson.....	75	Harriett Butler .....	80
Catharine Heleway.....	75	Mary Thomas. ....	80

TABLE No. 10—Concluded.

FEMALES—COLORED.	AGES.	FEMALES—COLORED.	AGES.
Anna Murray.....	80	Lydia Alexander. ....	85
Alice Dorsey .....	80	Malinda Newman.. ....	85
Hester Sharp .....	80	Mary Barnes.....	85
Ellen Lockett.....	80	Charlotte A. Furgerson.	88
Caroline Dorsey .....	80	Sarah Carter. ....	89
Mary Gough.....	80	Theresa Matthews.....	90
Hester Createn.....	81	Silvers Williams.....	90
Grace Thomas.....	82	Fannie Bennett.....	92
Mrs. Francis A. Brown.	82	Jane Brown.. ....	93
Emma Grimes.....	82	Mary Elizabeth Lange..	95
Margaret Lochman.....	82	Millie Perryman.....	95
Susanna Little. ....	83	Cassie Harris. ....	100
Ellen Welch. ....	83	Hester Adams.....	100
Mary Sharp.....	84	Anna Bailey.....	105
Amelia Howard.....	84	Sophia Webster.....	110

## RECAPITULATION.

WHITE MALES.			WHITE FEMALES			COLORED MALES.			COL'D FEMALES.		
Ages.	Number of Decedents.	Total Years.	Ages.	Number of Decedents.	Total Years.	Ages.	Number of Decedents.	Total Years.	Ages.	Number of Decedents.	Total Years.
70	29	2,030	70	33	2,310	70	8	560	70	13	910
71	23	1,633	71	17	1,207	71	4	284	71	2	142
72	30	2,160	72	41	2,952	72	4	288	72	1	72
73	16	1,168	73	29	2,117	73	2	146	73	7	511
74	15	1,110	74	27	1,998	75	4	300	74	3	222
75	24	1,800	75	20	1,500	76	2	152	75	11	825
76	18	1,368	76	24	1,824	78	2	156	76	3	228
77	14	1,078	77	21	1,617	79	2	158	77	1	77
78	21	1,638	78	17	1,326	80	2	160	78	4	312
79	19	1,501	79	13	1,027	83	1	83	79	2	158
80	22	1,760	80	31	2,480	84	1	84	80	15	1,200
81	12	972	81	19	1,539	85	1	85	81	1	81
82	7	574	82	26	2,132	86	2	172	82	4	328
83	15	1,245	83	14	1,162	87	1	87	83	2	166
84	9	756	84	7	588	88	1	88	84	2	168
85	6	510	85	7	595	90	1	90	85	3	255
86	4	344	86	9	774				88	1	88
87	6	522	87	12	1,044				89	1	89
88	7	616	88	6	528				90	2	180
89	4	356	89	5	445				92	1	92
90	2	180	90	10	900				93	1	93
91	1	91	91	4	364				95	2	190
92	2	184	92	4	368				100	2	200
95	1	95	93	6	558				105	1	105
98	1	98	94	1	94				110	1	110
100	1	100	95	2	190						
			96	1	96						
			97	2	194						
			99	1	99						
			101	1	101						
			103	1	103						
			106	1	106						
309			412	32,338		38	2,893		86	6,802	
309, averaging 77 years, 3 months.			412, averaging 78 years, 5 months.			38, averaging 76 years, 1 month.			86, averaging 79 years, 1 month.		

Total decedents, White...721 Colored...124 Grand total...845

Total years, " 56,227 " 9,695 " " 65,922

Average longevity, White, 77 years, 11 months; Colored, 78 years, 2 months; total average, 78 years.

A. R. CARTER, Sec'y Health Dep't.

## REPORT OF THE

TABLE No. 11.  
Salary Account for Twelve Months ending December 31, 1882.

Dr.	APPROPRIATION \$14,500 00.		Cr.
To 13 Checks on Comptroller.....	\$14,491 79		\$1,375 06
		By 1 voucher January 1, 1882.....	1,283 40
		" 1 " February 1, 1882.....	2,183 30
		" 1 " " 28, 1882.....	15 46
		" 1 " March 24, 1882.....	783 32
		" 1 " April 1, 1882.....	783 36
		" 1 " May 1, 1882.....	1,667 87
		" 1 " June 1, 1882.....	783 33
		" 1 " July 1, 1882.....	793 84
		" 1 " August 1, 1882.....	1,693 34
		" 1 " September 1, 1882.....	793 83
		" 1 " " 30, 1882.....	793 84
		" 1 " November 1, 1882.....	1,643 34
		" 1 " December 1, 1882.....	
		13 " for twelve months.....	\$14,491 79
To 13 Checks on Comptroller.....	\$14,491 79	" unexpended balance of appropriation...	8 21
" unexpended balance of appropriation...	8 21		
	\$14,500 00		\$14,500 00

A. R. CARTER, Secretary Health Department.



TABLE No. 12.  
General Health Account for Twelve Months ending December 31, 1882.

Dr.			Cr.
	To 551 Checks on Comptroller.....	\$50,756 99	
	Appropriation \$20,000.00; Post Mortems \$500.00; Deficiency 1881 \$2,003.72; Extra Appropriation \$29,000.00; Total Appropriations \$51,603.72.		
	By 18 vouchers—Salaries of Sanitary Inspectors, index clerk and watchman.....		\$6,626 00
	“ 23 “ Salaries extra vaccine physicians.....		1,550 00
	“ 159 “ Infected articles destroyed.....		2,112 96
	“ 64 “ Bedding and articles furnished infected houses in place of similar articles destroyed.....		
	“ 16 “ Internments, removing small-pox patients to quarantine hospital, removing and destroying infected articles.....		20,469 46
	“ 58 “ Coffins.....		7,062 40
	“ 29 “ Vaccine virus.....		1,803 00
	“ 4 “ Post-mortems.....		7,073 68
	“ 14 “ Disinfectants.....		300 00
	“ 5 “ Livery.....		258 28
	“ 14 “ Telephones and Messenger service.....		934 00
	“ 1 “ Printing annual report.....		301 01
	“ 1 “ Ambulance.....		291 00
	“ 1 “ Building steaming-house.....		200 00
	“ 5 “ Small-pox nurses.....		150 00
	“ 42 “ Advertising.....		85 50
			521 82



## REPORT OF THE

TABLE No. 13.  
Nuisance and Sewer Account for Twelve Months ending December 31, 1892.

Dr.	APPROPRIATION \$14,000.00.		Cr.
To 136 Checks on Comptroller.....	\$13,990 00	By 21 vouchers—Salaries of superintendents.....	\$6,082 20
		“ 33 “ J. W. Lee, sewer work....	2,364 63
		“ 24 “ H. Paff, sewer work....	1,577 25
		“ 22 “ Repairs.....	542 48
		“ 2 “ Wagons and horses.....	815 00
		“ 5 “ Lime.....	1,871 15
		“ 12 “ Disinfectants.....	358 49
		“ 4 “ Abating nuisances.....	115 90
		“ 2 “ Tolls.....	33 40
		“ 1 “ Coal.....	7 00
		“ 10 “ Livery.....	222 50
To 136 Checks on Comptroller.....	\$13 990 00	By 136 “ for twelve months.....	\$13,990 00
“ unexpended balance of appropriation....	10 00	“ unexpended balance of appropriation....	10 00
	\$14,000 00		\$14,000 00

A. R. CARTER, *Secretary Health Department.*

TABLE No. 14.

Account of the Quarantine Hospital of the Port of Baltimore for Twelve Months ending December 31, 1882.

DR.	APPROPRIATION \$23,011.75.		CR.
	By	12 vouchers—	
To 158 Checks on Comptroller.....	\$23,003 80	Pay-rolls.....	\$11,499 87
		" 20 " Clothing.....	8,325 08
		" 12 " Provisions.....	2,476 98
		" 7 " Medicines.....	257 26
		" 13 " Groceries.....	1,293 85
		" 11 " Coffins.....	585 00
		" 4 " Milk.....	278 10
		" 9 " Paints and oils.....	167 96
		" 3 " Bread.....	364 77
		" 5 " Ice.....	103 17
		" 11 " Coal.....	726 26
		" 2 " Stoves.....	203 18
		" 2 " Cows.....	126 00
		" 9 " Feed.....	134 76
		" 1 " Horse.....	200 00
		" 16 " Repairs.....	788 77
		" 8 " Crockery and table-ware.....	112 76
		" 2 " Bedding.....	73 00
		" 1 " U S. inspection.....	25 00
		" 1 " Flag.....	28 00
		" 1 " Yawl boat.....	65 00
		" 1 " Fire insurance.....	77 50
		" 3 " Seeds.....	36 15
		" 4 " Sundry small bills.....	55 38
To 158 Checks on Comptroller .....	\$23,003 80	for twelve months .....	\$23,003 80
" unexpended balance of appropriation....	7 95	" unexpended balance of appropriation....	7 95
	\$23,011 75		\$23,011 75

A. R. CARTER, Secretary Health Department.



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REPORT  
OF THE  
Assistant Commissioner of Health.

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# REPORT.



BALTIMORE, January 1st, 1883.

GEORGE W. BENSON, M. D.,  
*Commissioner of Health:*

SIR—I respectfully submit the following report of the work assigned me for the year ending December 31st, 1882:

The tables appended will give you an account of the work performed by the employees of this Department.

I am again compelled to call attention to the sewers, the cleansing of which is imposed upon this Department. Deposits occur in them continually, and they require constant attention, necessitating the expenditure of a greater amount of money than is annually appropriated. During the past year there was removed 2,519 cart loads of filth, &c., from the various sewers. In many instances slight deposits occur, and these could be removed very readily had we any means of flushing them daily with water from the copious supply with which our city is furnished. Pipes provided with ordinary stop-cocks could be introduced into the various

inlets to sewers, and water turned on as required to wash away any slight accumulations that take place. The importance of this means of cleansing cannot be over-estimated, as the free use of water will not only wash off the deposit, but will prevent the vitiation of the atmosphere from the decomposition that takes place when they are permitted to remain.

The disinfection of the streets, lanes and alleys during the heated term is a matter of great importance, and could be accomplished more easily had we a small number of one-horse watering carts, by which means disinfectants could be distributed or sprinkled with good effect over a greater area than by the present means employed.

There exists a great necessity for the passage of more specific ordinances for the protection of the public health than now exist, and greater attention should be given by the legislator to the enactment of necessary and proper regulations which tend to the preservation of life and health. This Department should be sustained with such powers as will enable it to perform its duties more fully and efficiently.

Ordinances should be enacted to prevent the nuisances caused by defective drainage, bad plumbing, deficient ventilation and imperfectly constructed privies, all of which render the air impure, and which is the medium by which agents giving rise to disease are frequently carried into the body.

The thanks of this Department are due the Police, Fire and City Commissioner's Departments for the many kindnesses shown.

Thanking you for the courtesy extended me,

I remain,

Very respectfully,

Your obedient servant,

JAMES F. McSHANE, M. D.,  
*Assistant Commissioner of Health.*



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# TABLES.

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Number of Nuisances examined and abated by Sanitary Inspectors (1882).

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Alleys cleaned, repaired or paved . . . . .	288
Premises cleaned and disinfected . . . . .	121
Cellars cleaned . . . . .	293
Vacant lots cleaned, drained or filled . . . . .	50
Manure pits reconstructed or repaired . . . . .	64
Drain-pipes cleaned, repaired or constructed . . . . .	93
Yards cleaned, drained, repaired or paved . . . . .	240
Gas, water-pipes and hydrants repaired . . . . .	59
Gutters repaired . . . . .	33
Privies inspected and ordered to be cleaned . . . . .	1075
Privies reconstructed or repaired . . . . .	80
Stables repaired . . . . .	59
Grass removed from gutters . . . . .	44
Rain-spouts repaired . . . . .	14
Water obtained from city pumps for analysis . . . . .	6
Ice-ponds inspected and permits granted . . . . .	29
"          "          "          "          refused . . . . .	6
Public schools inspected . . . . .	30
Excavating establishments inspected . . . . .	11
Slaughter-houses inspected . . . . .	8
Cases of infectious disease inspected . . . . .	497
Causes of death investigated (no physician in attendance) . . . . .	357
Complaints examined and no nuisance found to exist . . . . .	175
Miscellaneous . . . . .	171
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JAMES F. McSHANE, M. D.,  
*Assistant Commissioner of Health*

Notices, Orders, etc., issued from the Health Department, and number of  
Official Letters written and received during the year 1882.

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Number of notices issued to clean privies on complaint.....	12,973
Number of notices issued to clean yards.....	410
Number of notices issued to clean and bail out cellars.....	318
Number of notices issued to clean, grade and pave alleys.. .. .	2,860
Number of notices issued to drain and fill lots. ..	293
Number of notices issued to clean and repair water-closets... ..	85
Number of notices issued to clean and properly construct manure-pits.....	93
Number of notices issued to clean grass and weeds from gutters.....	397
	<hr/>
	17,429
	<hr/>
Number of permits issued to open sinks.....	23,267
Number of permits issued to open sinks at night.	63
Number of official letters written.....	673
Number of official letters received .....	785

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JAMES F. McSHANE, M. D.,  
*Assistant Commissioner of Health.*

Number of Interments in the Eastern and Western Public Cemeteries  
during the year 1882.

EASTERN PUBLIC CEMETERY		WESTERN PUBLIC CEMETERY	
<i>M. Coleman, Sup't.</i>		<i>F. A. Kerchner, Sup't.</i>	
January.....	15	January.....	18
February.....	20	February.....	27
March.....	17	March.....	26
April.....	13	April.....	20
May.....	14	May.....	13
June.....	14	June.....	35
July.....	29	July.....	26
August.....	7	August.....	18
September.....	23	September.....	25
October.....	15	October.....	18
November.....	16	November.....	16
December.....	28	December.....	36
	<hr/> 211		<hr/> 278

Total number of interments during the year.....489

JAMES F. McSHANE, M D.,  
*Assistant Commissioner of Health.*

Table showing amount of Night Soil delivered at Foley's and Winans' Dumps, 1882.

FOLEY'S WHARF, CANTON.	Loads.	Gallons.	WINANS' WHARF, SPRING GARDEN.	Loads.	Gallons.
January .....	309	61,800	January .....	1,182	220,860
February .....	236	46,800	February .....	1,623	306,800
March .....	608	120,160	March .....	2,478	464,380
April .....	1,128	225,440	April .....	2,477	470,480
May .....	1,730	345,520	May .....	4,488	851,880
June .....	1,602	320,400	June .....	4,021	745,360
July .....	1,507	301,240	July .....	4,302	798,440
August .....	1,033	206,600	August .....	2,495	495,760
September .....	796	159,200	September .....	2,410	453,320
October .....	793	158,600	October .....	2,542	480,860
November .....	528	105,600	November .....	1,752	339,360
December .....	404	80,800	December .....	878	166,840
Total .....	10,674	2,132,160	Total .....	30,651	5,794,340

Total number of loads delivered at both dumps..... 41,325  
 " " " gallons " " " ..... 7,926,500

JAMES F. McSHANE, M. D.,  
*Assistant Commissioner of Health.*

Transcripts from the Records of Deaths for the year ending December  
31, 1882.

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For life insurance policies.....	44
For army pension claims. ....	41
To establish other claims.....	5
To go to Germany to prove death.....	3
For the courts, in evidence .....	3
For other purposes.....	3
Total.....	104

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WM. T. HALL,  
*Clerk to Registrar of Vital Statistics.*



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REPORT  
OF THE  
RESIDENT PHYSICIAN  
AT THE  
QUARANTINE HOSPITAL.

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# REPORT.



QUARANTINE HOSPITAL—PORT OF BALTIMORE,

December 31, 1882.

*To the Honorable the Mayor  
and City Council of Baltimore :*

GENTLEMEN :

I have the honor to submit the report of the Quarantine and Pest Hospital for the year ending December 31, 1882.

I again urge the separation of the two services, especially now that the new quarantine at Leading Point is approaching completion, and the removal of quarantine to that point will soon take place. The distance by land to the new hospital will be about twenty miles, and at certain seasons the ice will make the removal of patients from the city impossible; therefore, I suggest that the present place be kept as the city pest hospital, and that the road between here and the bridge be made a shell road, making the drive to the city limits easy and comparatively short. The water front, which is of some value, can be sold or retained, as deemed best for the interest of the city. A small wharf will still be needed here, to land coal upon for the hospital.

Leading Point quarantine will not be ready for occupation until the grounds are cleaned up and proper roads be made. At present we have not the right of way from the place to the public road. This should be secured by condemnation. During the winter the marketing may be done by boat, but not during the quarantine season.

The expense of the quarantine will be larger in the future than in the past, because at this place the farm supplies the table and the stock very largely; and from what I hear of the idea of lighting the new place with gas and heating it with hot water, the services of another man may be needed.

The boat in present use for boarding purposes is not seaworthy for the heavier weather and seas of the lower river, and is not sufficiently strong to make its way through ice of any great thickness. I think a stronger and more powerful boat will be needed.

If the present quarantine be kept for use as a city pest hospital, it will, I think, be best to leave the present furniture in the buildings at this place; if so, the buildings at the new quarantine will have to be furnished, and your honorable body will be called upon for an appropriation for the purpose. I strongly request that the medical officer in charge be relieved from giving the contract for such purpose, and that the new buildings be furnished under the supervision of a committee of the Council, or by the Health Department.

In future the rate of charge upon vessels for quarantine fees will be much less than in the past. For some

years it has been the custom to charge upon the gross tonnage, but during the past summer the custom-house has changed its system of measurement and charges, and the ship-brokers having demanded a like reduction and change of system upon the part of the quarantine, the question was submitted to the law officer of the city, and by his advice, we now charge upon the net or registered tonnage, instead of upon the gross. This will reduce our collections by nearly one-third.

During the past year the small-pox has been quite prevalent in the city. Six hundred and seventy-five cases have been treated at this hospital, including those remaining over from 1881. Of these, six hundred and seventeen were cases of small-pox; the others were cases sent for quarantine or mistaken diagnosis. Three hundred and seventy-two have been discharged—cured; one hundred and eighty-eight have died, and one hundred and fifteen still remain in hospital. (See Table No. 4.)

Referring to such books of record as I can find, the fact is apparent that for several decades we have been exposed to a periodical outbreak of this disease, indicating a constant re-acquired tendency to receive such poison, owing to the want of constant and systematic vaccination.

Forty-two vessels have been detained at quarantine from infected ports, and have been cleansed and disinfected.—(Table III.)

Seven hundred and fifty-four vessels have been boarded and inspected during the year 1882, (see Table

I,) and from these vessels, and from a few county patients and cases sent here by the United States Marine Hospital Service, we have collected the sum of seven thousand five hundred and one dollars and seventy-six cents (\$7,501.76.)

. The cost of maintaining the Quarantine and Pest Hospital during the year was \$23,003.80, as shown more fully in Table No. 14 of the Health Commissioner's report. The appropriation for this hospital was \$18,000; afterwards increased by a special one of \$5,000 more. You will perceive there is a deficiency of \$854.07, which the large amount of sickness treated and clothing furnished and coffins purchased will amply explain, and in fact, we think this place has been maintained both economically and efficiently.

I beg to return my warmest thanks to Dr. Severn P. Costin for his cheerful and valuable assistance, and to say that Captain Jno. L. Gibson and the employees of the place have done their duty in a manner deserving of praise and approval.

Very respectfully,

J. McH. HOWARD,  
*Quarantine Hospital Physician.*

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# TABLES.

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TABLE I.

Showing the Number and Class of Vessels Boarded and Inspected at  
Quarantine, for the year ending December 31, 1882.

MONTHS.	CLASS OF VESSELS.					
	Steamships.	Ships.	Brigs.	Barks.	Schooners and 1 Sloop.	Total.
January.....	5	.....	1	.....	.....	6
February.....	3	.....	1	.....	.....	4
March.....	7	.....	1	.....	1	9
April..	12	.....	1	1	.....	14
May. ....	25	6	11	22	49	113
June.....	21	2	8	24	64	119
July.....	42	3	12	26	45	128
August... ..	64	5	10	34	35	148
September. ....	52	2	3	28	21	106
October.....	34	3	7	20	14	78
November. ....	6	.....	.....	1	2	9
December.....	9	.....	.....	.....	11	20
Total.....	280	21	55	156	242	754



TABLE I.

Showing the Number and Class of Vessels Boarded and Inspected at Quarantine, for the year ending December 31, 1882.

MONTHS.	CLASS OF VESSELS.					
	Steamships.	Ships.	Brigs.	Barks.	Schooners and 1 Sloop.	Total.
January.....	5	.....	1	.....	.....	6
February.....	3	.....	1	.....	.....	4
March.....	7	.....	1	.....	1	9
April..	12	.....	1	1	.....	14
May. ....	25	6	11	22	49	113
June.....	21	2	8	24	64	119
July.....	42	3	12	26	45	128
August... ..	64	5	10	34	35	148
September. ....	52	2	3	28	21	106
October.....	34	3	7	20	14	78
November. ....	6	.....	.....	1	2	9
December.....	9	.....	.....	.....	11	20
Total.....	280	21	55	156	242	754

TABLE II.

Showing the amount of money received for Quarantine and Hospital Fees and Fines paid to the City Register for the year ending December 31, 1882.

MONTHS.	CLASS OF VESSELS, &c.						Total.
	St'mships.	Ships.	Brigs.	Barks.	Schooners and One Sloop.	Hospital.	
January.....	\$122 59	.....	\$ 2 07	.....	.....	.....	\$124 66
February.....	66 37	.....	2 99	.....	.....	\$ 37 27	106 63
March.....	189 71	.....	2 28	.....	.....	.....	193 99
April.....	304 77	.....	2 07	\$ 6 67	\$ 2 00	.....	313 51
May.....	446 72	\$79 77	32 36	127 32	136 47	114 85	937 49
June.....	323 16	20 61	25 69	143 05	161 82	.....	674 33
July.....	756 62	48 03	33 75	146 46	132 11	.....	1,122 97
August.....	1,181 49	61 73	25 41	207 69	96 68	17 50	1,590 50
September.....	957 01	21 66	8 76	174 02	54 16	9 50	1,225 11
October.....	567 98	29 95	18 35	122 54	46 72	9 00	794 54
November.....	150 39	.....	.....	5 50	4 00	40 40	200 29
December.....	173 54	.....	.....	.....	22 00	22 20	217 74
Total.....	\$5,240 35	\$261 75	\$159 73	\$933 25	\$655 96	\$250 72	\$7,501 76

TABLE III.

Showing the Number and Class of Vessels detained at Quarantine, for cleansing and disinfecting, for the year ending December 31, 1882.

MONTHS.	CLASS OF VESSELS.					
	Steamships.	Ships.	Brigs	Barks.	Schooners and 1 Sloop.	Total.
January.....	.....	.....	.....	.....	.....	.....
February. ....	.....	.....	.....	.....	.....	.....
March .....	.....	.....	.....	.....	.....	.....
April .....	.....	.....	.....	.....	.....	.....
May .....	.....	.....	2	.....	2	4
June.....	2	.....	1	1	.....	4
July.....	6	.....	.....	.....	3	9
August .....	4	.....	1	.....	1	6
September.....	3	.....	.....	.....	1	4
October.....	2	.....	.....	1	1	4
November.....	.....	.....	.....	.....	2	2
December.....	.....	.....	.....	.....	9	9
	17	.....	4	2	19	42

TABLE IV.

Showing the Number of Patients treated for the year ending  
December 31, 1882.

DISEASES.	Remaining over from 1881	Received in 1882.	Discharged in 1882.	Died in 1882.	Remaining in Hospital.	Total.
Small-pox.. .. .	20	597	320	188	109	617
Measles.. .. .		3	3			3
Syphilis.....		4	2		2	4
Quarantined.. .. .		51	47		4	51
Total.....	20	655	372	188	115	675





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