

mer. Religious services are held once a month. The Institution is self-sustaining. Dr. Jos. B. Waples, physician.

#### LEWES.

November, 12th, 1896. Here your Secretary met Drs. Mustard, Burton and Martin, in Dr. Martin's office. They reported that the general health of the people was good, yet many children are being attended for a species of sore throat which readily yields to treatment. An investigation is to be made.

#### PUBLIC SCHOOL.

Mr. Walter Sparklin, Principal, said there were 6 female teachers (assistant) and 235 pupils enrolled, boys 102; girls 133. They will need new shades soon. Ventilation fair, drinking water good. There were 40 pupils in Mr. Sparklin's room. I requested all who were vaccinated to hold up their right hand, to my surprise and gratification all hands went up. The out-house for the boys was filthy and unfit for use. The Principal's attention was drawn to it, he said the janitor was under the authority of the Board of Education, and he had no right to direct him. Your Secretary drew the attention of Mr. E. J. Morris, President of the Board of Public Education to the nuisance November 14th, 1896. The town was neat and clean, and a majority of the dwellings had been recently painted.

#### MILFORD.

November 13th, 1896. Here your Secretary called upon Mr. P. S. Graham, Secretary of the local Board of Health, he reported that all complaints presented or found had been promptly attended to and the town was fairly clean. Drs. George W. Marshall and L. Pratt said that the general health of the town was good.

#### PUBLIC SCHOOLS IN SUSSEX COUNTY.

Mr. C. B. Morris, Principal, reported 7 assistant female teachers and 407 pupils enrolled, more females than males.

Windows have no shades. The drinking water is good, the pump is inside of the school building, about one-half of the pupils are vaccinated. The out-house for the boys was noisome and dirty and too small, only two seats and no urinals. The attention of Mr. W. V. Sipple, President of the Board of Public Education, was drawn to the nuisance.

### PUBLIC SCHOOL IN KENT COUNTY.

Mr. D. S. Ellis, Principal, reported three assistant female teachers and 175 pupils enrolled. The school building was clean, drinking water was good. There are more females than males in the school and one-third of them are vaccinated. No sickness. The out-house for the boys was not clean and the urinal was worn out, the janitor as usual gives little attention to the out-houses.

Dr. G. W. Marshall, a member of the Board of Public Education, was with your Secretary.

At one o'clock the Board took recess for one hour. At two o'clock the President called the Board to order, the same gentlemen were present.

### DOVER.

November 14th, 1896. Here your Secretary found the schools closed, it being Saturday. Drs. Clements and Bishop said that the general health of the people was good. Recorder James Lord said Mr. William G. Powders made no returns for a year, he is an undertaker in Milford. Physicians do not report births. The registration records are indiced.

### DOVER JAIL.

Here were found 26 inmates, 10 white males; 14 negro males and two females. The building was clean inside and outside. No sickness, and all are well fed.

## NEW CASTLE COUNTY'S ALMHOUSE.

November 18th, 1896. Mr. David McCoy, Superintendent, inmates 250. Negroes 25. No sickness except old age and general debility. The drinking water is excellent. Three meals are served per day. 89 died since January 1st, 1896; 48 were coroner's cases, 41 died in the almhouse; 43 of the deaths were negroes. There were 7 births. 483 have died since 1885. The graves are all numbered. There were 76 bums and tramps in the bum department, all more or less infirm and unable to work. These bums are provided with a separate dining-room and a loafing room; they are provided with clean beds, and well ventilated rooms. The inside of the building presented a model of cleanliness.

The farm contains 65 acres which produced this year 500 bushels of corn, 375 bushels of wheat and vegetables sufficient to supply all in the institution, 22 hogs have been slaughtered, average weight 225 pounds, 14 more will be killed later, 5 horses, 9 milch cows are kept, 56 pounds of creamery butter is purchased each week for the paupers, this does not include the bums. Mr. David McCoy is an excellent manager. Drs. Francis Springer and Joseph R. Smyth, physicians.

## DELAWARE STATE HOSPITAL AT FARNHURST.

Dr. William H. Hancker, Medical Superintendent, reported 245 inmates. Since January 1st, 1896, there were 74 admitted, during the same period 30 died. No sickness of zymotic type. The new annex is nearly completed, and when finished it will be all occupied from the main building, it being crowded. It will be seen that more room will be needed at once. The hospital is kept in the best manner, and reflects great credit upon its managers.

DR. JNO. H. HAMMOND, Assistant Physician.

The President, Dr. Cooper, appointed a Legislative Committee as follows:

Dr. Robert G. Ellegood, Dr. John W. Clifton and Dr. A. Lowber.

The committee on accounts examined the bills presented by the Secretary and found them correct.

DR. R. G. ELLEGOOD, Committee.

On motion of Dr. Lowber, Dr. Cooper was appointed a committee to make an effort to have the serum and syringes purchased from Mulford & Co., Philadelphia, exchanged. Smaller syringes are the best and the serum was old and not fit for use.

The secretary was instructed to notify Mr. A. N. Bell, of Brooklyn, N. Y., to discontinue sending The Sanitarian after December, 1896.

The Secretary read numerous letters from the State Boards of Health, they were to be filed.

The Secretary's bill of expense for six months:

To Edgemoor, June 4th, \$.20, Hockessin, . . . 1.30. . . . .	\$ 1.50
To Del City, \$1.92, city carfare \$.20.-10, Newark, \$1.32	3.54
Expressage, \$3.35, Newport, \$.30, P. O. Stamps, \$8.25	11.90
Georgetown, Lewes, Milford and Dover. . . . .	13.00
Harry W. Lowe, carriage hire, \$6; pencils, pens, etc., \$.65 . . . . .	6.65
Dinners for members and Secretary. . . . .	4.50

\$ 41.09

On motion of Dr. Lowber, on order was directed to be drown in favor of Mr. E. B. Frazer, Secretary, six months' allowance . . . . .	\$250.00
And the above expense account of . . . . .	41.09
Expenses of the members, R. R. fare. . . . .	23.65

\$314.74

On motion of Dr. Ellegood, it was moved that when the



Board adjourned it would meet in Wilmington on Thursday, December 17th, at 10.30 A. M. Adjourned.

E. B. FRAZER, Secretary.

Due the Board from the last meeting and to date. . . . .	\$587.00
Due Board November 24th, 1896. . . . .	314.74
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	\$272.26

Wilmington, Del., December 17, 1896.

An adjourned stated meeting of the Board of Health of the State of Delaware, was held on the above date in the Clayton House.

Members present were as follows: Drs. E. W. Coper, Alexander Lowber, F. P. Pierson, Irving S. Vallandigham, John W. Clifton, Robert G. Ellegood and Edward Fowler.

Dr. Cooper, president, called the Board to order at 11 A. M. In the absence of the Secretary, Mr. Frazer, Dr. Alex. Lowber was elected secretary pro tem.

After discussing some matters which were relative to legislation, the Board took a recess for dinner at 12.30 P. M.

At 2 P. M., the president, Dr. Cooper, called the Board to order; members all present.

On motion of Dr. Ellegood, Drs. Cooper, Pierson and Lowber were appointed a committee to examine and revise the biennial report of the Secretary.

On motion of Dr. Ellegood, it was resolved that Dr. Cooper be and hereby is authorized to use his efforts as a member of the Constitutional Convention to have engrafted in the Constitution of the State a section providing for a State Board of Health.

The following orders were directed to be drawn:

Dr. Edward Fowler, expenses .....	\$ 7.90
Dr. Robert G. Ellegood, expenses .....	9.40
Dr. John W. Clifton, expenses .....	2.15
Dr. Irving S. Vallandigham, expenses .....	1.50
Dr. E. W. Cooper, expenses .....	3.50
Dr. A. Lowber, dinners, etc., for the Board.....	11.25
Total .....	<u>\$35.70</u>

On motion the Board adjourned.

A. LOWBER, M. D., Sec'y pro tem.

Dover, Del., Feb. 18, 1897.

A special meeting of the Board of Health of the State of Delaware was held in Dover on the above date, by order of the president, Dr. E. W. Cooper.

Members present—Dr. Cooper, Dr. Clifton and Dr. Fowler.

The president, Dr. Cooper, called the Board to order at 2 P. M. No quorum. Adjourned.

E. B. FRAZER, Secretary.

Dover, Del., March 16, 1897.

A special meeting of the Board of Health of the State of Delaware was held in Dover on the above date, in the State House, by order of the president, Dr. Cooper.

Members present, Dr. E. W. Cooper, Dr. F. F. Pierson, Dr. Irving S. Vallandigham, Dr. Robert G. Ellegood and Dr. Edward Fowler.

Dr. Cooper, president, called the Board to order at 2 P. M. In the absence of the Secretary, Dr. Pierson was elected secretary pro tem.

Upon discussion it was decided that Dr. Cooper endeavor to

have inserted in the Constitution such measures as may be necessary for the establishment of State and Local Boards of Health by the General Assembly.

General discussion of recent sanitary and therapeutic measures followed. At 3 o'clock the Board adjourned.

F. F. PIERSON, M. D., Sec'y pro tem.

Wilmington, Del., May 25, 1897.

A stated meeting of the Board of Health of the State of Delaware was held in the Clayton House, on the above date.

Members present, Drs. E. W. Cooper, A. Lowber, F. F. Pierson, Irving S. Vallandigham, John W. Clifton, Robert G. Ellegood and Edward Fowler.

Dr. E. W. Cooper's term expired March 28, 1897, as was also the terms of Drs. Lowber and Ellegood. These gentlemen were re-appointed by Governor Tunnell.

On motion of Dr. Fowler, Dr. Cooper was called to the chair, and on motion of the same gentleman the Board proceeded to elect officers for the ensuing year. Dr. Cooper was nominated for president, and on motion of Dr. Fowler, Dr. Ellegood was authorized to cast the vote of the Board. Dr. Ellegood cast the vote for Dr. E. W. Cooper, as president of the Board for the ensuing year.

Dr. Fowler nominated Mr. E. B. Frazer as Secretary of the Board, and on his further motion, Dr. Ellegood was authorized to cast the vote for Mr. E. B. Frazer, and the president declared Mr. E. B. Frazer elected Secretary of the Board for the ensuing year.

The minutes of the last stated and special meetings were read and approved.

The Committee on Legislation had no report to make and

were discharged. The committees were Drs. Ellegood, Clifton and Lowber.

The Secretary reported that the nuisance complained of by Mr. David P. Bush, corner Fifth and King streets, was abated.

The Secretary read the following complaints made to him in writing during the past six months, as follows:

January 7th, 1897, Charity Robeson, tenant of H. M. Barlow complained that the water in the well was very low and unfit to use. Mr. Barlow was notified of the complaint. He called and said he had the well cleaned out, and found in the well a crock containing about ten pounds of rancid butter which had been in the well for weeks. The tenant skipped during the night owing Mr. Barlow rent amounting to \$200.00. No cause for investigation.

February 12th, 1897, Mrs. George W. Peterson, of Middletown, complained against a Miss Roberts for maintaining a pile of stable manure within six feet of the dining-room windows.

Same date your Secretary notified the town commissioners. February 23, 1897, Mr. W. S. Leatherbury, Secretary of the Board of Town Commissioners, promised to give the case his personal attention.

March 20th, 1897, Mr. C. W. Pancost, of Delaware City, writes to know if the refuse from a canning factory becomes a nuisance; there is no drainage, and the nuisance becomes detrimental to the health of the community. Can a permanent injunction be put on such a place and close it up? Your Secretary referred him to the law for the preservation of the public health, March 24th, 1897.

March 29th, 1897, Mr. Joseph Dean, J. P., of Newark, Del., complained for Samuel H. Ethridge, residing near Ogletown, and a tenant of James Tribbett, as follows: The floors in the dwelling were rotten, unsafe and unhealthy.

Your Secretary replied, April 12th, 1897, and requested that the family physician be asked to investigate the premises, and forward a certificate stating the charges to be true, then an inspection would be made by your Secretary. No reply.

April 12th, 1897, Mr. William Evans and wife, residing near Marshallton, and tenant of Mr. Pat Fahey and Mr. John A. Cranston, called and complained of much water being in the dwelling house cellar, and the house being damp. Your Secretary notified the owners the same date. No reply and no action taken.

### NEW CASTLE.

May 20th, 1897, your Secretary visited the City of New Castle. The streets were in good condition. Dr. Stewart was seen, and he said there had been considerable sickness during the winter and the early spring, a majority of the cases developed into malaria; he knew of no cases of typhoid or scarlet fever nor diphtheria, but there had been a few cases of whooping cough. The water from the city basin was unfit for drinking purposes. Quite a number of wells were being sunk and at present the people depended on the old pumps.

The public school buildings had been supplied with window shades, and the teachers, pupils and people were well pleased. Mayor Boyd and Thomas Frazer of the Board of Public Education were seen; they had no cause to complain.

### NEW CASTLE JAIL

Here were found 79 white and 90 colored prisoners, 2 white and 8 negro females. No sickness; the inmates looked fat and lazy. The urinals in the cells were flushed with water every hour automatically and the sewer outlet by pressure twice a week. The prisoners are supplied with good well water from a well in the yard north sixty feet deep.

A pile of rubbish in one corner of the yard was noisome, caused by fish heads and other refuse. This pile of refuse was removed every Saturday. Your Secretary was of the opinion

that the rubbish ought to be removed at once and so notified an official.

Reports were received from the following physicians by request of your Secretary.

Newark New Castle County, May 10th, 1897. Professor F. D. Chester, Secretary of the local Board of Health, reports that Mr. J. B. Butler is president of the Board and there are other members. Board meets once a month. There are three undertakers in the town. Vaccination would be attended to if there was an alarm. Their drinking water has been examined at Delaware College and found to be of the highest degree of purity. Hogs are raised in the town. The town council refused to pass an ordinance at the request of the Board of Health, regulating this subject. There is a negro school here. The sanitary condition of the town is fair, but with a system of sewerage and enforced use of town water, many defects could be remedied.

#### NEW CASTLE COUNTY, CENTREVILLE AND VICINITY.

Dr. Jos. H. Chandler replies, viz: No Board of Health nor town commissioners. No undertakers. Vaccination is attended to. The drinking water is good. Hogs are not kept in the town. There is no negro school.

Special diseases. Consumption, 3; Diphtheria, 5; Typhoid Fever, 3; Scarlet Fever, 5; other fevers, none.

The health of this community is good. The sanitary condition of the town and vicinity is good.

The town of Centreville is on the decline, although in a rich farming neighborhood.

#### MILFORD, KENT COUNTY.

Dr. George W. Marshall's report. The local Board of Health, viz: Mr. Gardner W. Joseph, president; Mr. William

G. Salmons, secretary, and Dr. Geo. W. Marshall, meet when required.

The undertakers are, Mr. W. G. Powders, Mr. Isaac White, and Mr. W. H. H. White. Vaccination is not attended to. The drinking water is good, almost chemically pure.

The physicians are, Drs. William Marshall, Geo. W. Marshall, Nathan Pratt, John S. Prettyman and J. Lynn Pratt, regulars, and G. W. Pleasanton, homeopathic, and J. O. Pierce, eclectic.

Hogs are kept in the town and there is a negro school. Zymotic diseases. The sanitary condition of the town and vicinity is only fair.

#### DOVER, KENT COUNTY.

Dr. Thomas C. Frame, physician, reports to the local Board of Health as follows: Mr. C. D. Burton is president and Mr. J. A. Kerin, secretary of the Board of Health. The Board is composed of seven members. Hogs are allowed to be raised in the town on certain conditions. There is a negro school. The sanitary condition of the town is good.

Physicians in the town are as follows: Homeopathic, Drs. E. S. Anderson and T. O. Clements. Regulars, Drs. J. H. Wilson, P. S. Downs, L. A. H. Bishop, W. F. Davis, A. Davis, and Thomas C. Frame. Vaccination is attended to and the drinking water is good.

#### LAUREL, SUSSEX COUNTY.

Dr. William E. Wolfe reports as follows: Local Board of Health, Dr. J. W. Fooks, O. V. Woolton, Dr. Luce and Harvey Marvel.

The Board meets only when required. The undertakers are L. J. Marvil, Riggins & Knowles. Vaccination is attended to; the drinking water is good.

The physicians are, Drs. W. J. Hitch, V. S. Hitch, J. W. Fooks, Dr. Luce, W. E. Wolfe, and Edward Fowler, all allopathic.

Hogs are allowed to be kept in the town. There is a colored school.

#### LEWES, SUSSEX COUNTY.

Dr. David L. Mustard reports as follows: Board of Health, Dr. William P. Orr, president; Dr. James M. Martin, secretary. Members, Dr. H. R. Burton, John H. Kelley, Edward Russell, P. B. Norman and Capt. W. P. Nichols. The Board meets monthly.

Undertakers, Mr. H. F. Conwell and Mr. W. T. Atkins. Vaccination is attended to when necessity requires.

Physicians, Drs. David Hall, William P. Orr, H. R. Burton and James M. Martin. Hogs are kept in the town. There is a colored school. The sanitary condition of the town and vicinity is fair. The drinking water is good.

#### DELMAR, SUSSEX COUNTY.

Dr. Robert Ellegood reports as follows: We have no Board of Health. The town commissioners are Mr. E. M. Lowe, Mr. Joseph J. Ellis and Mr. Miles Hitchens.

Undertaker, Mr. William S. Marvel. Vaccination is attended to; the drinking water is fair.

Physicians are Drs. James Brayshaw and Robert Ellegood, allopathic. Hogs are kept in the town. There is a colored school. No special diseases.

Cases, consumption, 5; scarlet fever, 1; typhoid fever, 15; malaria, many. The sanitary condition of the town and vicinity is good now, April 27th, 1897.

The Secretary read a letter from James Lord, Recorder of



Deeds, Dover, Kent County, dated Dec. 8th, 1896, in which he says: "William G. Powders, an undertaker, residing in Milford, Kent County, has not returned any certificates of deaths yet, although I notified him a week ago to send them in." Also another letter from Recorder Lord, dated January 13th, 1897, in which he says: "William G. Powders, of Milford, has not returned any certificates of death yet."

The Secretary was instructed by the Board to notify William G. Powders, undertaker, of Milford, to comply with the law by making returns of death certificates to the Recorder as required by law within twenty days from this date or he would be prosecuted to the full extent of the law.

The following letter dated Georgetown, March 27th, 1897, was received by your Secretary from James B. Hearn, Recorder of Sussex County, in which he says the undertakers are complying with the law, but the doctors are a little slow, and further he reports that he sent a printed copy of the registration Act by mail to all physicians, clergymen, undertakers, etc., in Sussex County, being Chapter 381, Volume 16, Laws of Delaware.

On motion of Dr. Vallandigham, the Board at 1 o'clock took a recess until 2 o'clock for dinner.

At 2 o'clock the members were all present, Dr. Cooper, president, in the chair.

The Secretary presented a copy of a journal entitled, "Public Health," edited and published in Philadelphia by Dr. William B. Atkinson. Dr. Atkinson requested the members of the State Board of Health be supplied with one copy each; price one dollar per year.

On motion of Dr. Fowler, the Secretary was instructed to notify Dr. W. B. Atkinson to mail one copy of "Public Health" to the address of each member of the Board for one year.

And on the further motion of Dr. Fowler, that an order for

seven dollars be drawn in favor of the Secretary to pay Dr. Atkinson with his private check.

Your Secretary begs leave to submit his bill of expense for the past six months, viz.:

Harry Lowe, carriage hire, 1896, balance.....	\$ 6.00
Thos. Rossiter, printing tablets, envelopes, etc.....	15.00
E. B. Frazer, Secretary, expenses to Dover, Feb. 18,	
1897 .....	3.44
Expressage, report to Gov. Watson, pens, ink, etc....	1.15
Street carfare, reports to P. O., etc.....	.60
Postage stamps for reports.....	12.00
Expenses to New Castle, May 20, 1897.....	.30
Cap paper, pencils and pens.....	.75

\$ 39.24

On motion of Dr. Fowler the bill was allowed, and on his further motion the Secretary was allowed for six months' services .....	250.00
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\$289.24

The following orders were directed to be drawn:

Expenses of the members.

Dr. E. W. Cooper, two meetings and commission from Secretary of the State .....	\$ 6.00
Dr. E. W. Cooper, committee meeting examining Sec- retary's report at Wilmington .....	10.50
Dr. F. F. Pierson, meeting in Dover, March 16———	2.50
Dr. F. F. Pierson, committee examining Secretary's re- port at Wilmington .....	5.50
Dr. Irving S. Vallandigham, meeting in Dover .....	2.85
Dr. Robert G. Ellegood, two meetings, etc .....	12.50
Dr. Robert G. Ellegood, commission receipt .....	2.00
Dr. Edward Fowler, two meetings .....	9.00
Dr. John W. Clifton, two meetings .....	2.85
Dr. A. Lowber, committee meeting, commission, etc..	6.75

Jas. L. Willis, dinners, rooms, etc .....	9.00
E. B. Frazer, Secretary, to pay W. B. Atkinson, "Public Health" .....	7.00
Total .....	<u>\$365.69</u>

On motion of Dr. Vallandigham, it was moved that when the Board adjourned it would meet in Rehoboth, June 8th, 1897,

Adjourned.

EDMUND B. FRAZER, Secretary.

Rehoboth, Del., June 9th, 1897.

An adjourned stated meeting of the Board of Health of the State of Delaware was held in the Douglass House, on the above date, at 1.45 P. M.

Members present, Drs. E. W. Cooper, F. F. Pierson, I. S. Vallandigham, J. W. Clifton, R. G. Ellegood and Edward Fowler.

Dr. E. W. Cooper, president, called the Board to order at 1.45 P. M., this was after the adjournment of the Delaware State Medical Society at the same place.

The reading of letters and other papers by the Secretary were laid over.

On motion of Dr. Vallandigham, that points and towns or villages, where complaints are made to the Secretary or otherwise, that he visit said places and inspect the same, and if the sanitary condition of the place has been neglected, and nuisances exist, he shall notify the president, and he may call a meeting, to meet at said place.

On motion of Dr. Fowler, that the Secretary is hereby authorized to visit Dr. T. A. Neal, at the Agricultural Station, connected with Delaware College, at Newark, Delaware, and to ascertain if arrangements can be made and upon what terms,

physicians can have human Excrement, Exudations examined in order to find out if such excrements, etc., contains the germs of Diphtheria, Typhoid fever or other zymotic diseases, (the cost, etc.)

The following orders were directed to be drawn. Expenses of this meeting:

Dr. E. W. Cooper .....	\$ 3.00
Dr. John W. Clifton .....	3.67
Dr. I. S. Vallandigham .....	4.50
Dr. Edward Fowler .....	4.00
Dr. Robert G. Ellegood .....	4.50
Dr. F. F. Pierson .....	7.25
E. B. Frazer .....	5.25
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	\$32.17

On motion of Dr. Vallandigham it was moved that the Board now adjourn to meet at the call of the President

EDMUND B. FRAZER, Secretary.

Delaware City, Del., July 9th, 1897.

A special meeting of the Board of Health of the State of Delaware was held in Delaware City. on the above date, at the Brick Hotel, by order of the President, Dr. E. W. Cooper.

Members present. Drs. E. W. Cooper, F. F. Pierson and J. W. Clifton. No quorum.

The member, Secretary, Mayor Geo. B. Money and two town commissioners viewed the drainage of the Brick Hotel. Mr. L. G. Johnson, tenant and Mr. S. C. Woman, trustee, residing at No. 355 North Second St., Philadelphia, Pa.

Also viewed the cow pound of Mr. Price, situated about the middle of the town, and extended from one street to another in the rear. It is owned by Mr. R. L. Ashhurst of No. 225 South

Sixth St., Philadelphia, Pa. Mr. J. T. Price, agent, resides in Delaware City. Other places were viewed and discussed.

The following orders were directed to be drawn.

Dr. Clifton, R. R. fare.....	\$ 1.76
Dr. E. W. Cooper, R. R. fare, etc.....	3.25
Dr. F. F. Pierson, R. R. fare, etc.....	.90
E. B. Frazer, Secretary, to date.....	8.59
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	\$14.50

The Board were the guests of Mayor Money.

E. B. FRAZER, Secretary.

New Castle, Del., August 28th, 1897.

A special meeting of the Board of Health of the State of Delaware, was held at the Jefferson House, on the above date, at the instance of the city council of New Castle. Dr. E. W. Cooper, president, ordered the call.

Members present, Drs. E. W. Cooper, F. F. Pierson, I. S. Vallandigham, J. W. Clifton, R. G. Ellegood, and Edward Fowler.

The members of the Board were taken in carriages to Dobbinsville and viewed the drainage at this point, also viewed the ditch along Delaware Railroad which was foul. Returning to the Jefferson House, the Board dined with the city council.

After dinner the Board met in the parlor of the Jefferson House, at 2.10 P. M., the above members were present. Dr. Cooper, president, presiding.

Mr. William M. Kimmey, city engineer, was present and presented maps of old New Castle and greater New Castle, he explained the grades of the street and gave his views upon the drainage, etc. The subject was discussed by Mr. Kimmey, Mr. Cooper, Mr. Harrington, Mr. Clewell and Clerk of the Council

Eckles, the other three being members of city council, also by members of the State Board of Health.

After which Dr. Fowler introduced the following preamble and resolution, which were adopted:

WHEREAS, The State Board of Health, this day in compliance with the request of the city council of New Castle, visited said city and made personal observations of various nuisances existing in the community; therefore,

RESOLVED, By the State Board of Health, that the said nuisances should be abated, and we hereby tender to the city of New Castle our hearty sympathy and co-operation in any effort they make to accomplish so laudable a purpose; and

RESOLVED, That the State Board of Health recommend the speedy compliance with the requirements of the law in establishing a local Board of Health.

Orders were directed to be drawn as follows:

Dr. E. W. Cooper, care fare etc.....	\$ 3.00
Dr. J. W. Clifton, car fare, etc.....	2.33
Dr. Edward Fowler, car fare, etc.....	4.50
Dr. I. S. Vallandigham, car fare, etc.....	1.75
Dr. Robert G. Ellegood, car fare, etc.....	7.20
Dr. F. F. Pierson.....	.30
Total .....	<u>\$19.10</u>

On motion of Dr. Vallandigham the Board adjourned.

EDMUND B. FRAZER, Secretary.

Georgetown, Del., October 1st, 1897.

A special meeting of the Board of Health of the State of Delaware was held in Georgetown, on the above date, in the Brick Hotel, by order of the President, Dr. E. W. Cooper.

Members present, Drs. E. W. Cooper, F. F. Pierson, I. S. Vallandigham, J. W. Clifton, Robert G. Ellegood and Edward Fowler.

After dinner the Board inspected the county jail, the jail yard in the rear of the jail, were both found to be in a deplorable condition.

Returning to the hotel the Board was called to order by Dr. E. W. Cooper, president, at 1.30 P. M.

After discussing the condition of the jail, the town commissioners were sent for, and the Sheriff, Mr. William H. Johnson, Dr. O. D. Robinson and William D. Adams, commissioners, appeared and informed the Board that they had appointed a local Board of Health, viz.: Messrs. Isaac N. Fooks, A. B. Robinson, W. W. Rawlins, I. T. Adams, Drs. C. R. Layton and Joseph E. Waples.

Whereupon, Dr. Cooper introduced the following preamble and resolutions, which were adopted:

WHEREAS, The State Board of Health acting under the information that there was no local Board of Health appointed by the town commissioners of Georgetown, met in that town on Friday, the first day of October, 1897, in answer to certain complaints made in writing to the Secretary of the State Board of Health in the month of July last, as to the unsanitary condition of the jail and other premises, and having learned of the existence of a local Board of Health to whom complaints have been made and to whom belongs the primary jurisdiction in such complaints, but having visited the jail and other premises, we became satisfied that the facts of the complaints were true. Wherefore be it

RESOLVED, That the Secretary of the State Board of Health be instructed to inform the local Board of Georgetown of the error, and request said local Board to give attention to these matters as soon as may be possible.

RESOLVED, That Dr. Robert G. Ellegood and Dr. Edward Fowler be requested to address the Levy Court of Sussex County on the absolute necessity of filling up the yard and also of providing additional room for the now overcrowded state of the jail

Dr. Vallandigham introduced the following resolutions, which were adopted:

RESOLVED, That the Secretary be and is hereby instructed to collect all health laws of the State and amendments thereto, with the view of printing them in convenient pamphlet form for distribution to local Boards and town commissioners.

RESOLVED, That the Secretary submit the matter before publication to the President for his approval.

The following orders were directed to be drawn:

Dr. E. W. Cooper, expenses .....	\$ 2.50
Dr. F. F. Pierson, expenses .....	4.25
Dr. John W. Clifton, expenses .....	3.20
Dr. I. S. Vallandigham, expenses .....	4.00
Dr. Edward Fowler, expenses .....	3.20
Dr. Robert G. Ellegood, expenses .....	2.50
E. B. Frazer, dinners, etc .....	13.00
E. B. Frazer, Secretary, Sept. 18, 1897, envelopes, stamps, order Pres'd .....	\$37.25
Total .....	<u>\$69.90</u>

On motion the Board adjourned.

E. B. FRAZER, Secretary.

Wilmington, Del., October 29th, 1897.

At the instance of Mr. George B. Money, Mayor of Delaware City, Dr. E. W. Cooper, President of the Board of Health of the State of Delaware, Dr. A. Lowber and Dr. F. F. Pierson, members of the said Board, were invited to meet the said Mayor



in Wilmington, Del., in the Clayton House, at 10 o'clock, on the above date.

There were present Dr. E. W. Cooper, President, Dr. F. F. Pierson and George B. Money, Mayor of Delaware City. The Mayor stated that he had commenced proceedings against certain persons in Delaware City to remove certain filth. The subject was discussed, and the Mayor's efforts were not approved.

Adjourned.

E. B. FRAZER, Secretary.

Wilmington, Del., November 30th, 1897.

A stated meeting of the Board of Health of the State of Delaware was held in Wilmington, on the above date, in the Clayton House.

Members present, Drs. E. W. Cooper, A. Lowber, F. F. Pierson, I. S. Vallandigham, John W. Clifton, Robert G. Ellegood and Edward Fowler.

Dr. E. W. Cooper, President, called the Board to order at 11.00 A. M. The minutes of the last stated and advisory meeting were read and approved.

The special committee appointed at the advisory meeting held in Georgetown, October 1st, 1897, for the purpose of conferring with the Levy Court of Sussex County, respecting the unsanitary condition of the jail and jail yard, in Georgetown, made the following report: Owing to the sickness of one of us, we were unable to meet the Levy Court in Sussex County, but that owing to the action of the meeting of the Board at Georgetown, the local Board of Health at Georgetown was reorganized and action had been taken to abate actual nuisances of the jail and its surroundings. Also that the private interviews of your committee with individual members of the Levy Court, have aided in awakening in the Levy Court a feeling of necessity for improvement in the condition of the jail and its sur-

roundings, and that aided by these instrumentalities the Grand Jury of Sussex County in their report on the jail of Sussex County to the Superior Court in October, gave those having its sanitary condition in charge, a scathing rebuke. We believe the public attention having been called to the existing unsanitary condition through the action of the Board of Health and its efficient Secretary, has been attended with good results, and that further good will grow out of it.

We also suggest that a continued observation be exercised by this Board with a view to further improvements in that institution, not forgetting at the same time, that the local Board of Health are the proper guardians thereof. Signed,

DR. ROBERT G. ELLEGOOD.

DR. EDWARD FOWLER.

On motion of Dr. Vallandigham, the report was accepted and the committee be continued with the view of having the nuisance abated, and the jail improved.

Your Secretary begs leave to report that he visited Newark, June 18, 1897, and laid the subject matter contained in the resolution offered by Dr. Fowler, June 9, 1897, at a meeting of the Board held at Rehoboth. Dr. Neal said he would lay the matter before the Trustees of Delaware College and report. Your Secretary has not received a reply yet. Dr. Cooper, President, stated that he had a report from Dr. Neal and the matter was still pending.

Report of your Secretary on the resolution introduced at a special meeting held at Georgetown, October 1, 1897, by Dr. Vallandigham, subject, the publication of all health laws and the amendments thereto in pamphlet form, and the matter be submitted to the President before publication, adopted.

Dr. Lowber introduced the following which was adopted:

RESOLVED, That the Secretary be instructed to have 1½ dozen copies of the laws pertaining to the preservation of public

health rebound with hard board binding, interleaved with blank leaves for the use of the Board.

Your Secretary reports that he compiled all the said laws found in the Revised Code, Laws of Delaware, and submitted the same to the President, who approved it, and added thereto Article 12 of the New Constitution, and that marginal notes be printed the same as in the Revised Code, and a preface be prepared by the President be added, on motion of Dr. Ellegood. Bids were asked from the Star Printing Company and the Mercantile Printing Company, October 4, 1897.. The Star Printing Company reported that they will do your pamphlet, Laws of Delaware, in accordance with your specifications furnished us, with the price of \$1.05 per page, and guarantee a first-class job in every respect. Signed,

J. B. BELL:

October 6, 1897, the Mercantile Printing Company reported that they would furnish 1,500 copies with marginal notes for \$1.08 per page. Signed,

MERCANTILE PRINTING CO.

The bids were submitted to the President who directed me to award the contract to the Star Printing Company, at \$1.05 per page and it was so awarded.

Dr. Cooper, President, introduced the following resolution which was adopted, viz.:

RESOLVED, That Dr. Vallandigham be a committee to whom the entire matter of enlarging the scope of our agriculture colleges, to include the human family in relation to Bacteriology and Anti-Toxine, be referred with the request that he formulate special lines of action for this Board in the premises.

DIPHThERIA IN DOVER.

June 10, 1897, your Secretary received information that there were several cases of diphtheria in Dover. Thomas C. Frame,

physician to the local Board of Health of Dover, was written to on the above date. Dr. Frame replied June 12, 1897, it was received June 14, viz.:

Dover, Del., June 12, 1897.

E. B. Frazer, Esq., Secretary of the State Board of Health, Wilmington, Del.,

Dear Sir:—Yours of June 10th at hand. In addition to the case referred to in your letter, there have been two more deaths among the colored children of Dover from diphtheria. The Board of Health is taking active measures to check and remove this dreadful malady and hope successfully. Yours respectfully,

(Signed) THOS. C. FRAME,

Physician to the Board of Health, of Dover.

Complaint of Martin Keogh, of Wilmington, of water in cellars of two houses owned by him at Holly Oak, Brandywine Hundred, New Castle County. Mr. Keogh drained his cellars through the land of Charles A. Rutter, of No. 411 Walnut St., Philadelphia, Pa. Your Secretary notified Mr. Rutter who objected to Mr. Keogh placing a drain through his land without his consent. Your Secretary notified Mr. Rutter that he and Mr. Keogh would be at the place June 16, at 10 o'clock in the morning with Martin Keogh.

June 16th parties all present, the drain was viewed, and after discussing the law upon the subject, Mr. Rutter agreed to allow the drain to remain as it gave Mr. Keogh no right or title to use the grounds

At the instance of Dr. Frank Bellville, your Secretary on June the 8th, visited Delaware City, and viewed a broken drain at the Brick Hotel. Mr. L. G. Johnson, proprietor, Mr. S. C. Woman, trustee for said property, residing at No. 355 North Second St., Philadelphia. Also the cow pound of Mr. Wm. A. Price, tenant of Mr. R. L. Ashhurst, of No. 255 South Sixth St., Philadelphia, owner. The drainage from this cow pound flows under the side walk into the public gutters and streets,

October 28th, 1897. your Secretary notified Mr. Ashhurst of the condition of his property, occupied by Mr. Price. November 1, 1897, Mr. Ashhurst replied to your Secretary, stating that he had notified Mr. Price, the tenant, to abate the nuisance. Foul ditches, out-houses and pig pens were examined. These matters were laid before Dr. Cooper, President of the State Board of Health.

The President, Dr. Cooper, instructed your Secretary to call a meeting of the Board to meet in Delaware City, July 9th, at 10 A. M., at the Brick Hotel. The members of the Board were all notified.

July 9th, there were present at Delaware City, Drs. E. W. Cooper, President; John W. Clifton and F. F. Pierson and your Secretary. No quorum. The Board as an advisory board to the authorities in Delaware City. See page 109, in the minute book. Your Secretary was in Delaware City several times since July the 9th, at the instance of Geo. B. Money, Mayor, and found that the drain at the Brick Hotel had been repaired. Ditches were cleaned out, and several pig pens removed. At the instance of Mayor Money, your Secretary was requested to write Dr. Cooper, President, Dr. Lowber and Dr. Pierson to meet him at the Clayton House in this city, October 29, 1897.

Your Secretary received the following letter, dated June 18, 1897, June 19th.

New Castle, Del., June 18, 1897.

E. B. Frazer,

Dear Sir:—I am instructed by City Council of this city to ask you to come to this city and try to abate the nuisance in Dobbinville (bad drainage) before an epidemic of sickness shall break out. The place has become terrible

Very respectfully yours

(Signed) C. EDWIN ECKLES,

Clerk of Council.

A copy of the above letter was mailed to Dr. Cooper, President. Your Secretary visited New Castle, June 19th, and in company with Councilman Clewell, viewed the drainage complained of. The City Council of New Castle informed your Secretary that they desired to meet the State Board of Health in their city at a date to be fixed hereafter. This matter was laid before the President, Dr. Cooper, by your Secretary, who directed that a meeting of the Board be called to meet in New Castle, August 27, 1897, at 10.30 A. M. See minutes of the meeting on page 110, in minute book.

The City Council of New Castle appointed a Board of Health for that city, November 11, 1897. Dr. Edward B. McCabe was elected President of the Board and Mr. W. J. Hofman, Secretary.

Your Secretary received several complaints from Seaford, dirty gutters, noisome pig pens and out-houses, etc. A new Board of Health was appointed for Seaford, July 2, 1897, and Mr. J. R. Cook was elected Secretary, who desired to be informed of their authority under the law. Your Secretary furnished the Board with the desired information. Secretary Cook notified your Secretary that their Board was determined to enforce the law, and nuisances of long standing be abated. They succeeded even to the removal of the Stevens slaughter house and hog pen. The Board of Health of Seaford is very active.

Marshallton, July 27, 1897. At the instance of Dr. Horace Bradley, of said town, your Secretary visited Marshallton, August 2, 1897. I found the doctor, and he showed me a well with a pump in it, used by two families, the well being on the dividing line. The doctor stated that one family, a Hebrew, polluted the water in the well by washing her child's diapers on the curb and some of the water dribbled into the well. Your Secretary drank some of the water from the pump, and it was good, cool, clear drinking water. The doctor called my attention to noisome privies and pig pens, and that garbage was dumped in back yards and left to rot, and that the cellars under dwelling houses, in very many instances had water in them all the year round. Your Secretary made no inspection of the out-houses,

pig pens or garbage in the yards. The doctor said the town contained 1,000 inhabitants, and not incorporated, no town government. The town is very hilly. A number of No. 5 circulars were mailed to a storekeeper for distribution. The doctor said the health of the people was fairly good. The town of Marshallton is about 5 miles from Wilmington. A rolling mill, and Pilling's Woolen Mill near at hand.

Your Secretary read the following letter:

Lewes, Del., August 10, 1897.

Mr. Frazer, Secretary of the State Board of Health,

My Dear Sir:—Can you send or tell me where I can find laws for the town Board of Health, we would like to know how far we can go in making a man obey our orders.

Yours very truly,

(Signed) JOS. M. MARTIN, M. D.,

Secretary of the Lewes Board of Health.

Your Secretary, August 11th, replied, and referred Dr. Martin, Secretary, to page 298, Chapter 345, Section 9, of the Revised Code, Laws of Delaware.

Another letter was received from Dr. Martin, dated Lewes, August 14, 1897, in which he says: "Your answer to my inquiry received in due time. Our man complied with our order, so will not need any law for this case.

Yours respectfully,

(Signed) JOS. M. MARTIN, M. D.,

Secretary of the Lewes Board of Health.

Your Secretary received the following letter:

Georgetown, Del., July 29, 1897.

E. B. Frazer, Esq.,

My Dear Sir:—I wish you would come to Georgetown at a very early date and inspect the jail premises here. The Sheriff,

Jno. H. Johnson, is maintaining a very dangerous nuisance by keeping two filthy hog pens, and by piling the filth from the jail into the yard, both of which emit a very offensive odor. Complaint has been made to the Sheriff but he treats it with indifference and contempt. If the nuisance is not removed soon, some of us will be obliged to close our dwellings and remove, etc. Letter filed.

Your Secretary visited the jail in Georgetown, July 31, 1897, and inspected the jail and yard, in the rear of the jail, the cells were very filthy and noisome, 14 hogs were kept in the yard, and all the urine and dejections from 19 prisoners was carried in buckets used by them and emptied on a pile of rubbish in the yard. The yard is six inches lower than the side walk around it. Those residing on three sides of the jail yard opposite were called upon by your Secretary, they all complained of the odor from the jail yard.

After consultation with Attorney-General R. C. White, your Secretary served a written notice on John H. Johnson, Sheriff, to abate the nuisance within fifteen days.

Your Secretary received a postal card which read as follows: "The nuisance has been abated so far as I am concerned, he having removed the hogs from near my house. The Levy Court is going to provide for the abatement entirely."

8-13-97.

(Signed) R. C. WHITE.

Your Secretary advised William H. Johnson, Sheriff, to use lime and copper plentifully. He replied that he would do so. September 16, 1897. Letters filed.

By order of the President, Dr. Cooper, the Board met in Georgetown, October 1, 1897, as an advisory board. See page 112 in the minute book.

Your Secretary received a letter from R. J. T. Barber, of Harrington, Del., dated August 14, 1897. He complains of the



bad hygienic conditions of parts of the town. The out-house at the Railroad Station is foul and noisome. The town commissioners have failed to attend to these unsanitary matters, and I appeal to you for immediate action. Typhoid fever prevails to some extent in the vicinity where these nuisances exist. Your Secretary notified R. L. Holliday, Superintendent of the Delaware Railroad, at Clayton, and the President of the town commissioners, August 20, 1897.

Mr. R. L. Holliday replied August 20, 1897, he says in part, that their agent is endeavoring to keep the place in order, using the proper disinfectants, and I do not see where else we could move it to. Should we do away with it, you know what inconvenience it would put the traveling public, however, if you have any suggestions to make, I will try to carry them out.

Yours truly,

(Signed) R. L. HOLLIDAY, Supt.

September 5, 1897, Dr. R. J. T. Barber wrote again, and said nothing had been done by the town commissioners or the Railroad Company, since the above date. The Railroad Company have removed the out-house quite a distance from the old place south, and no further complaints will be received from this source. Letters filed.

August 21, 1897, Dr. C. W. Ammerman, of Greenwood, notified your Secretary that the sanitary condition of Greenwood was bad. The drainage is bad, ditches are filled up, out-houses noisome, and the garbage not removed, the owners of the land through which these drains pass refuse to clean them out and open these drains. Your Secretary obtained the names of the persons who refused to open and clean out the drains, and had written notices served on them to abate these nuisances within eight days, and if they failed to obey the order, prosecution would follow. The doctor stated in his complaint that much sickness prevailed because of these nuisances. The time given in the notices expired September 9, 1897, and on that date your Secretary visited the town. Dr. Ammerman showed me over the town, the ditches were cleaned out, and the town cleaned

up. A drain under the Delaware Railroad, and one under the track of the Queen Anne's Railroad, were not opened but their agents were seen, and they promised it would be attended to. A main ditch under the control of the Levy Court of Sussex County was very much clogged up. Your Secretary drew the attention of the said Levy Court to this matter. The out-houses at the public school house were in a wretched condition. Mr. L. B. Graves, school director, attention was drawn to the subject, and he promised to clean up before school opened.

A copy of the law relating to such nuisances was posted in many places in the town, and circulars, No. 5, were distributed by a constable. The drinking water here is excellent, it is obtained from drive wells. The people were pleased with my visit. Letters filed.

#### DEAD FISH IN THE BRANDYWINE, AUG. 30, 1897.

August 30, 1897, Dr. R. P. Greenleaf, of Rising Sun, on the Brandywine Creek, called upon your Secretary and said there were a large number of dead fish floating in said creek and lying on rocks on shore. Your Secretary called at the Water Department in this city. They had been advised and had men making an investigation of said creek. They advised that I visit Rockland at once, and find out if there were any dead fish above the Rockland dam. At this point the Jessup and Moore Paper Mills are situated. Your Secretary visited Rockland early the next morning but found no dead fish above the said dam nor below it. A number of men from the Water Department had gathered them all up with scoop nets and buried them. I was told there was two cart loads, cart weighing 20 pounds. There were kinds of small fish. The Water Department enjoined Secretary.

#### DIPHThERIA IN WILMINGTON.

September 15, 1897. Many reports about the number of cases of diphtheria in this city, had been brought to the notice of your Secretary, and that the sanitary condition of many parts of the city was bad. At the Health Department, I was informed that 25 cases had been reported to them, the official was very

reticent. Your Secretary at once procured a team and inspected places where the disease prevailed, and found the streets, alleys, gutters and back yards in a wretched condition. Other parts were inspected and found to be neglected, garbage rotting in back yards, gutters foul, and privies noisome, and this neglect not having caused these nuisances to be removed, accounts for the prevalence of diphtheria in this city.

Your Secretary examined the Registration Book kept in the Recorder's office and found that thirty persons had registered, viz.: Physicians, clergymen and undertakers. This was due to a warning notice published in two city papers.

Your Secretary inspected the county jail at New Castle, September 29, 1897. Inmates 172 white, 87 males and one white female; 10 negro females and 74 males. The jail was clean, there is not sufficient water often to flush the urinals and to wash the floors, this happens on wash days. The Water Department remedied this. No sickness in the jail and the city of New Castle is fairly healthy.

New Castle County Almshouse was inspected by your Secretary, October 7, 1897. Inmates, white, 183, negroes, 30; total, 213. Average population, 250. Deaths in the year of 1897, 48; births, 11. The products of the farm are stock: 4 horses, 7 cows, 1 bull, 32 pigs; grain, wheat, 408 bushels; corn, 1,000 bushels; potatoes, 1,200 bushels; vegetables in abundance. No sickness.

DAVID McCOY, Supt.

#### THE DELAWARE STATE HOSPITAL FOR THE INSANE AT FARNHURST.

Your Secretary visited this institution, October 1, 1897. Inmates, 276. No sickness. It is under the supervision of Dr. William H. Hancker, Medical Supt.

#### FERRIS INDUSTRIAL SCHOOL.

Situated about four miles from Wilmington. Your Secre-

tary visited this institution October 8, 1897. There were 59 boys in the school, 31 whites and 28 negroes; oldest 19 years, youngest, 10 years of age. Only one death since its organization, a negro boy, 16 years old, disease, consumption. The farm contains 196 acres; 175 acres tillable; stock, 10 horses, 18 cows, pigs and hogs, 20; grain this year, 1897, wheat, 680 bushels; corn, 1,000 bushels; oats, 400 bushels. The boys do all the work; they make their own clothes, and there are two brass bands. Everything is carried on in a systematic manner. Only 7 escaped in eight years. They have good water and good drainage. The Superintendent said a majority of the boys became worthy and useful citizens. I. N. Flinn is the physician.

#### HOME FOR FRIENDLESS CHILDREN IN WILMINGTON.

Your Secretary paid this place a visit October 13, 1897. Number of children in the home, 66, all white; more males than females; a majority are between the ages of 5 and 12 years. No deaths this year. No sickness at this date. The building is of brick, four stories high. Every place in the building was neat and clean. The out-houses in the yard was foul. Notified Mr. L. C. Keny, manager.

#### A COMPLAINT FROM LAUREL.

October 26, 1897, E. D. C. Hegeman, of Laurel, called upon your Secretary in Wilmington and stated that Mr. Wm. H. Lloyd, merchant and town commissioner of Laurel, fed bee guts and other offal to his hogs in said town, to the disgust and annoyance of the citizens and his neighbors. Mr. Lloyd was notified by your Secretary. Mr. Lloyd replied October 27, 1897, and said he kept the hog pen clean. He did not deny the charge. Your Secretary referred the subject to John W. Fooks, President of the Board of Health of Laurel.

Your Secretary inspected school house district No. 47. It is situated in New Castle Hundred, on the road to New Castle, about a mile or so distant from this city. The building was erected in 1895 of wood, and it is a substantial and convenient

school building. The relief stations were in a deplorable condition, not fit for use. The well for drinking water has been abandoned because of bad water. The drinking water is carried from a neighbor's well. The odor from night soil spread upon the truck land nearby is very annoying to the school during the summer and fall months. The attention of Lewis Sutton, School Commissioner, was drawn to the wants and annoyances October 13, 1897.

October 15, 1897, your Secretary examined 22 Relief Stations over Market street bridge, south. There were no wells under them, and they were foul. This is in violation of ordinances.

Drew the attention of Mr. Wm. Deakyne, School Commissioner of the city of New Castle, to the unsanitary condition of the water closets in School No. 1, too small and damp.

Drew the attention of a negro school director, in the city of New Castle, to the bad condition of the relief stations at the negro school in said city.

Drew the attention of Mr. Lindley C. Kent to the foul condition of the relief station used by the boys at the Home for Friendless Children.

The Board after a report from Drs. Cooper and Ellegood, who were delegated to attend a meeting of the American Public Health Association, held in Philadelphia, during the month of October, 1897, decided that we should be represented in the said Association. Dr. Robert G. Ellegood was selected and the Secretary was directed to send the fee of \$5.00 for membership to the Secretary, Mr. Irving S. Watson, Concord, N. H. Dr. Ellegood said that he had received a certificate of membership.

The reading of numerous letters and the report of the physicians from each of the counties in the State were laid over till the next meeting, as was also the report of the Secretary, upon his inspection of schools in each of the counties.

The expense of the Secretary for the past six months was examined and approved.

July 31, postage stamps.....	\$ 6.50
July 31, expenses to Georgetown .....	6.00
Aug. 2, expenses to Marshallton .....	.25
Aug. 24, expenses to New Castle .....	.20
Aug. 31, expenses to Rockland .....	.40
Sept. 4, expenses to Delaware City .....	1.50
Sept. 9, expenses to Greenwood .....	5.00
Sept. 15, inspection of Wilmington, diphtheria .....	.50
Sept. 21, expressage .....	1.60
Sept. 29, New Castle jail inspection .....	.20
Oct. 4, mucilage .....	10
Oct. 8, inspection Ferris Industrial School and New Castle County's Almshouse .....	.75
Oct. 14, inspection of school buildings in New Castle..	.85
Oct. 14, binding school circulars .....	1.20
Oct. 18, trip down State, R. R. fare .....	8.25
Oct. 18, hotel bills, carriage hire, gone a week.....	13.50
Oct. 27, inspection schools in Delaware City.....	1.50
Nov. 9, summoned to Delaware City by Mayor Money	2.75
Nov. 10, inspection of Newark and schools.....	1.50
Nov. 10, cap paper, pencils, etc.....	1.25
Nov. 10, street car fare for six months.....	1.25
Nov. 10, carriage hire, Harry Lowe.....	8.00
Nov. 24, cartage, census reports.....	.50
Nov. 29, C. F. Thomas & Co., stationery members....	10.90
Nov. 30, dinners for members at Clayton House.....	8.80

Total .....	\$ 83.75
Secretary's allowance for three months.....	250.00

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\$333.75

An order was directed to be drawn for the amount.

An order was directed to be drawn in favor of the Star  
Printing Company, for printing and binding 1,000  
law pamphlets and extra leaves. 18 hard board.

Amount .....\$ 55.75

Order were directed to be drawn as viz.:

Dr. E. W. Cooper, two trips to this city and the expenses for attending a meeting of the American Public Health Association, in Philadelphia, Pa. ....	\$25.00
Dr. Robert G. Ellegood (same).....	30.00
Dr. I. S. Vallandigham R. R. fare.....	1.50
Dr. F. F. Pierson, committee meeting Clayton House..	5.00
Dr. Edward Fowler, two meetings .....	8.60
Total .....	<u>\$70.10</u>

On motion of Dr. Lowber it was moved that when the Board adjourned it would meet here on Thursday, December 23, 1897, at 10 A. M.

Adjourned.

EDMUND B. FRAZER, Secretary.

Wilmington, Del., December 23, 1897.

An adjourned stated meeting of the Board of Health of the State of Delaware was held in the Clayton House, in this city, on the above date.

Members present, Drs. E. W. Cooper, A. Lowber, I. S. Vallandigham, F. F. Pierson and Robert G. Ellegood.

Your Secretary begs leave to report that he visited the following towns, commencing October 18, 1897: Delmar, Laurel, Bridgeville, Harrington, Lewes, Seaford, Milton and Milford.

While in these towns the school buildings were inspected both white and colored. Physicians were interviewed, as were also members of the local Boards of Healths and town commissioners. At Delmar, typhoid fever was prevalent to some extent. At Harrington, the physicians reported that typhoid fever had been quite prevalent. There appeared to be much sickness in and around this town. All of these towns maintain a local Board of Health, except Delmar, Bridgeville and Harrington. The general health of the other towns was good.

Your Secretary received written reports from physicians in the following towns: Georgetown, Greenwood, Clayton, Smyrna, Frederica, Dover, Leispic, Camden and Felton. There is no Board of Health at Greenwood and Frederica. The general health of the people was good and good drinking water is furnished.

Also Claymont, Marshallton, Rising Sun, Centreville, Faulkland, Newark, Christiana, Newport, New Castle, Glasgow, Odessa, St. Georges and Townsend. No report from Middletown.

There is no town government in the following towns: Claymont, Rising Sun, Centreville, Faulkland, Christiana, Marshallton, Glasgow. Boards of Health are maintained in the following towns: Newark, New Castle, St. Georges and Townsend.

Diphtheria and scarlet fever prevailed to some extent at Rising Sun. Diphtheria and typhoid fever at Newark, Faulkland, Centreville and Christiana. The sanitary conditions of these towns was fair and good drinking water was found in every town.

Vaccination was attended to in eight towns, and the reports from thirty towns show that hogs are allowed to be raised in them, all except Centreville. The reports were ordered to be filed.

In eight towns where a personal inspection was made, the school houses were found to be in a fair condition, as to light, ventilation and heat. Quite a number of improvements were noticed, particularly the relief stations, better attended than heretofore. Milton has the best arranged school building, it is new and is provided with modern improvements.

Reports were received from a large number of school teachers throughout the State, by filling or answering the questions on a printed circular mailed to them, and a stamped envelope furnished them for a reply. These reports were from colored teachers also. A few of their school houses were totally unfit



for school purposes. At a number of places the buildings were new and quite comfortable.

If defects, repairs or shades were needed, or the relief stations were not attended to, your Secretary notified the school commissioners for the district, the names being furnished by the teachers.

In the matter of assessments made upon this Board by the State and Provincial Boards of Health, Dr. Elezeur Pelletier, treasurer, residing at Montreal, Canada, notified your Secretary that two assessments at \$5.00 each had been made upon this Board.

After the subject was discussed by all the members, the following preamble and resolution was introduced by the President and adopted.

WHEREAS, At the recent meeting of the State and Provincial Boards of Health of North America, held at Nashville, Tenn., it was resolved to make an additional assesment of twenty dollars (\$20.00) on each State Board of Health without reference to extent of territory or State apportionment, and

WHEREAS, The State we represent is limited in both respects, therefore.

RESOLVED, That the Secretary of our Board be instructed to forward to Dr. Elezeur Pelletier, treasurer of the General Board, our annual dues, ten dollars, which by other business was neglected in November last, and to inform the said treasurer that we think five dollars will be a full demand on our Board, as compared with twenty dollars from the larger States, etc., and that our Secretary be further instructed upon the call for the third installment of five dollars from the larger States, to forward to said treasurer five dollars in full of said assessment as applying to us.

On motion of Dr. Lowber, the preambles and resolution were adopted.

The Secretary was allowed \$2.25 for having made 500 envelopes to mail law pamphlets.

Bills ordered to be paid. S. H. Baynard.

To 8 gold pens and pencils and holders, \$5.50.....	\$44.00
Discount allowed .....	10.00
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This bill was paid December 22, 1897 .....	\$34.00
The Star Printing Co., 500 envelopes .....	2.25
Dinners, etc., for the Board .....	7.70
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Total .....	\$43.95

At 1 P. M., the Board took a recess for dinner.

At 2 P. M., the Board was called to order by the President, members all present.

No other business being presented, the following orders were directed to be drawn:

E. B. Frazer, Secretary, to pay Elezeur Pelletier, Treasurer of State and Provincial Boards of Health, dues for 1897 .....	\$10.00
Public Health Association, \$5.00 for membership of Dr. Robert G. Ellegood, for one year.....	5.00
Dr. E. W. Cooper, R. R. fare.....	3.50
Dr. Edward Fowler, R. R. fare.....	4.10
Dr. Robert G. Ellegood, R. R. fare.....	6.70
Dr. I. S. Vallandigham, R. R. fare.....	1.50
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Total .....	\$20.80

On motion of Dr. Lowber, the Board adjourned.

EDMUND B. FRAZER, Secretary.

Wilmington, Del., Feb. 17, 1898.

A special meeting of the Board of Health of the State of Delaware was held in the Clayton House, on the above date, by order of the President.

Members present, Drs. E. W. Cooper, A. Lowber, John W. Clifton, Robert G. Ellegood and Edward Fowler.

Dr. Cooper, President, called the Board to order at 11.30 A. M.

A letter from Drs. Pierce and Pleasanton, was received January 23rd, last, dated at Milford. A small bottle of water, about one-half pint, was received from same gentlemen. They stated that the water was taken from a well in Milford, and they believed this well water was infected with typhoid fever germs. The family who drank of this well water, and two persons who visited the house, had typhoid fever. They desired that the sample be tested. The President, Dr. Cooper, submitted the sample to Dr. Frank R. Smith, chemist, who said he would analyze it for ten dollars, but he would require one-half gallon. The half gallon was sent to Dr. Cooper, President.

On motion of Dr. Cooper, after discussing the subject the whole matter was referred to Dr. Cooper, President, and that he use his own discretion in the test or non-test.

Your Secretary reports that John Hagerty, of the town of Hockessin, called upon him January 18, 1898, and said that his son aged nine years had died from diphtheria, and a younger child had the disease but recovered. There was a creamery near his house, and the refuse was drained into a clear running stream of water. The creamery was on this stream and an out-house privy was placed on the edge of the bank, so that the dejections would fall into the stream, and that the odor from this place was annoying at times, he desired that an investigation be made.

Another letter was received from the same town, dated January and signed by H. P. Watson. He complained of children

coming from houses where some of the family had diphtheria and were walking the streets. He asks if something cannot be done to prevent the spread of this disease. Dr. Taylor Mitchell was the physician.

On motion of Dr. Ellegood, the Secretary was instructed to notify Dr. Taylor Mitchell that he had a right to quarantine such cases, and that the State Board would sustain him. Your Secretary notified him February 17, 1898.

In the matter of the transportation of the dead, suggested by Mr. W. H. Gummere, general baggage agent of the Lehigh Valley Railroad, your Secretary was instructed to inquire from the said agent if there was any form of legislation in regard to the subject. He replied there was not. He suggested that Dr. Benjamin Lee, Secretary of S. B. H., Pa., be asked. Your Secretary did so. Dr. Lee replied that it was a regulation adopted by the State Boards of Health.

A complaint from J. T. Kinder, of Atlanta, Del., complaining of children attending school from houses where diphtheria existed. The matter was in the hands of the President.

On motion of Dr. Fowler that the sense of the Board, that they approve of the Senate Bill No. 3433, a bill to establish a commission of Public Health and to define its duties, and that we are unalterably opposed to the Senate Bill No. 2680, known as the Caffrey Bill. On motion of Dr. Lowber, the motion was adopted. He further moved that the Secretary be instructed to draw the attention of our Senators in Washington, D. C., to the action of this Board, and request that they use their influence for the Bill No. 3433. Carried.

On motion of Dr. Lowber, the Board took a recess for dinner for one hour.

At 2.30 P. M., the Board was called to order by the President, the same gentlemen were present.

A number of papers from the State Boards were laid over.

Orders were drawn, viz.:

Dr. Jno. W. Clifton, R. R. fare.....	\$ 2.00
Dr. E. W. Cooper, two trips here.....	9.00
Dr. Robert G. Ellegood, R. R. fare.....	5.70
Dr. Edward Fowler, R. R. fare.....	4.25
Harry Bothman, dinner, etc.....	6.60
E. B. Frazer, Secretary, P. O. stamps, law pamphlets...	7.00
Total .....	<hr/> \$34.55

Adjourned.

E. B. FRAZER, Secretary.

Wilmington, Del., May 31, 1898.

A stated meeting of the Board of Health of the State of Delaware, was held in the Clayton House, on the above date.

Members present, Drs. E. W. Cooper, A. Lowber, Robert G. Ellegood, F. F. Pierson, I. S. Vallandigham, John W. Clifton and Edward Fowler.

The Board was called to order by the President, Dr. Cooper, at 11.30 A. M. The minutes of the last stated and advisory, special adjourned meeting were read and approved.

The committee on the condition of the jail and jail yard in Georgetown, Sussex County, reported that the yard had been improved somewhat. The committee was discharged.

DRS. ELLEGOOD and FOWLER.

Dr. Cooper, who was appointed committee to confer with Dr. T. A. Neal, of the Agricultural Station, connected with Delaware College, in Newark, Del., reported that the subject matter contained in the resolution adopted at a meeting held in Rehoboth, June 9, 1897, had been arranged in a satisfactory manner.

Dr. Vallandigham, who was appointed committee to examine

the Scope of Agricultural Colleges, to include the human family, etc., reported progress. Continued.

Dr. Cooper, who was appointed committee on the water from a well in Milford, said to contain typhoid fever germs, reported that the matter had been attended to. The committee was discharged.

Diphtheria at Hockessin. As directed, your Secretary has the honor to report that he visited Hockessin, March 18, last and interviewed Dr. Taylor Mitchell, residing there. He said that diphtheria had disappeared, and the house had been fumigated. There had been two cases and one died. At present there was one mild case of scarlet fever in the vicinity, and the general health of the people was good.

Your Secretary inspected the public school building and found it in fair condition. The relief station was erected against the rear end of the school building, and it was out of repair and noisome. Dr. Taylor Mitchell, chairman of the school, was notified. A creamery here was annoying the people at times. It is situated on a small stream of clear running water. The water was soft and had been used by a number of families for clothes washing. The refuse from the creamery and a relief station placed on its bank polluted the stream and caused the water to be unfit for use. The owners were notified. Dr. Mitchell gave a written report of the cases of diphtheria, which is filed. The town contains some 25 good dwellings, and within a quarter of a mile is a negro settlement. The place was in good sanitary condition.

Papers on the transportation of the dead received from other State Boards of Health. No action taken.

The complaint of W. D. Green and others of Kenton, against John H. Taylor, the owner of a creamery and a pen of 50 stinking hogs, squealing at all hours. The pen is within 14 feet of a dwelling house. Your Secretary sent Mr. John H. Taylor a law pamphlet, and also a copy to several town commissioners, directing their attention to the law. This was March 4th, last.

April 3rd, Mr. Green writes, that Mr. Taylor has removed his hog pen 90 feet to the rear end of his lot, and that he (Mr. Green) has removed from the vicinity, but he says no doubt others will complain during the warm season. Letters filed.

Your Secretary reports that a few undertakers have been interring the dead bodies without having a physician's certificate showing the cause of death, but making the returns and writing the cause of death themselves. One undertaker refused to comply with the law, and defies the State Board of Health to prosecute him. A few physicians refuse to report births or give a certificate of death when their own patients die. After discussion, Dr. Pierson introduced the following resolution which was adopted.

Resolved, That the Secretary of this Board is hereby authorized and directed to obtain the evidence and prosecute violations of law by all undertakers, and other persons whose duty it is to obey the law, as made and provided. See Chapter 381, Vol. 16, Laws of Delaware, Registration Act.

Your Secretary reports that he received a notice from Thos. Fitchie, immigrant commissioner, of Ellis Island, New York Harbor, dated April 26, 1898, read as follows: "S. S. Maravis arrived yesterday. Small-pox aboard. Destination of one passenger, Wilmington, Del., named Pagliotti Domerico, No. 535 Tatnall street." Left the original at the Health Department.

Your Secretary begs leave to call your attention to the annual meeting of the Conference of the State and Provincial Boards of Health of North America, to be held in the city of Detroit, Michigan, August 9, 10 and 11, 1898. This Board is requested to be represented. Laid over until the next meeting.

Report of the committee on the examination of the Registration of vital statistics, book records, etc. The report says that the records of deaths and births in the Recorder's office are deficient, as the informant's name is not recorded. Also the Registration book for physicians, clergymen, undertakers, midwives, mayors, registrars, etc., is not kept as contemplated by

the framers of the law, that is to say those who have registered and died, have not been marked dead and none marked removed.

The Secretary was instructed to request the Recorder, Mr. C. C. Montgomery, to have the said record kept as required by the said act of Assembly. Your Secretary notified him June 1, 1898. The report was filed. Committee discharged.

Committee, Drs. Lowber, Pierson and Mr. Frazer, Secretary.

Mr. Jas. W. Lindsay, of St. Georges, complained of dead fish in the Delaware and Chesapeake Canal at St. Georges. Stench very bad. Your Secretary notified Mr. Jos. E. Gillingham, President of said Canal Co. of No. 528 Walnut St., Philadelphia, Pa., and the local Board of Health at St. Georges. President Gillingham replied May 27, 1898, and said that the dead fish had disappeared, they having sunk. May 31st, Dr. J. W. DeWitt, complained against J. H. Colder, Lock Supt., having a pile of dead fish covered with boards. Notified Mr. Colder the same day. Continued in the hands of the Secretary.

Your Secretary begs leave to report that he visited Chadd's Ford and Cossart, Pa., May 12th last. At the former place 101 hogs were housed in a large covered building with good floor, four hogs were kept in a pen, some pens containing six hogs. At Cossart, 96 hogs were found in a very filthy, noisome pen, the pen being covered. Both of these places have a large creamery, and pens and buildings are erected on small brooks of running water, only a few yards from the Brandywine creek, the drainage from these places is washed into said creek. Dr. Ben. Lee, secretary of the State Board of Health, of Philadelphia, Pa. was notified. Report filed.

On motion of Dr. Lowber, the reports of the Secretary on the inspections of public buildings and institutions be recorded and filed.



## SUSSEX COUNTY'S ALMSHOUSE, THREE MILES FROM GEORGETOWN.

Georgetown, Del., April 19, 1898.

To the President and Members of the State Board of Health.

Gentlemen:—Your Secretary begs leave to report that he inspected the almshouse near Georgetown, on the above date. The 39 inmates are confined in two buildings of wood, there is also a cook house and a comfortable house for the Superintendent, Mr. Fred. Walls. Dr. Wm. R. Messick is the physician. The inmates are old and feeble. Color and sex about equal. No sickness. The rooms are scrubbed and whitewashed every month. The drinking water is good. The surface of the land is level, and the soil a light sandy loam, and very productive.

The four hundred acre farm is tilled by the superintendent. The stock is as follows: 6 mules, 1 horse, 1 yoke of oxen, 9 cows, 47 pigs, chickens, turkeys and other fowls in abundance.

The trustees meet monthly, and religious services are held twice a month. The sanitary condition of the place was good. The institution is self-sustaining. Respectfully submitted,

E. B. FRAZER, Secretary.

## SUSSEX COUNTY JAIL IN GEORGETOWN.

Georgetown, Del., April 19, 1898.

To the President and Members of the State Board of Health.

Gentlemen:—I beg leave to report that the jail and jail yard in the rear was inspected by your Secretary on the above date. Prisoners, white, 6; negroes, 8, all males. The cells were in about the same condition they were last October when the Board as a whole viewed the premises, foul and dirty. The yard has been improved somewhat, a new meat house has been erected in the yard, and an office for the turnkey has also been erected in the yard which has been leveled off, and the fence repaired. One pig pen remains, the floor is about eighteen inches from the ground. This pen of hogs is sufficient to annoy all

those doing business and residing near the jail yard, on two sides and the rear. The local Board of Health will no doubt attend to all complaints of stench brought to their notice by the people of Georgetown. No provision has been made for the waste taken from the cells, and is covered up in an ash heap or pile of rubbish in the yard. No sickness in the jail. The location is flat and is not good.

Respectfully submitted,

E. B. FRAZER, Secretary.

# KENT COUNTY ALMSHOUSE, SEVEN MILES FROM DOVER.

Dover, Del., April 21, 1898.

To the President and Members of the State Board of Health.

Gentlemen:—Your Secretary begs leave to report that he inspected the almshouse in Kent County, on the above date. There were 84 inmates; white, 22 males and 31 females; negroes, 13 males and 18 females. These inmates are kept in three separate buildings, two stories high, the rooms are fairly ventilated, and are scrubbed and whitewashed every month. There is a cook house separate from the other buildings. The superintendent resides in a neat frame house. Two of the buildings are of brick and two of wood, they are in fair repair. A majority of the inmates are old, between 70 and 90 years, one negro female said to be 102 years of age. The drinking water is good. The location is good, level and dry. The stock is as follows: 12 head of horses and mules, 21 head of cattle, 55 pigs and hogs. Poultry in abundance. The farm contains 350 acres and is in a high state of cultivation. Wheat crop for 1897, 2,000 bushels. Services are held on Sunday. The sanitary condition of the place was fairly good. Dr. E. W. Cooper is the physician, and Mr. E. B. Downs is the superintendent.

Respectfully submitted,

E. B. FRAZER, Secretary.

## KENT COUNTY JAIL IN DOVER.

Dover, Del., April 21, 1898.

To the President and Members of the State Board of Health.

Gentlemen:—Your Secretary begs leave to report that he inspected the county jail in Dover, on the above date. Inmates, 45; white, 9; negroes, 36; all males. No sickness. There are 18 cells, ventilated by windows. The stairway is in the center of the building, and it is open up to the roof in which there is a skylight and ventilator which is opened every day. The urinals in the cells are flushed automatically. The floors and cells are scrubbed out every month, and the walls are whitewashed every month, the cellar is dry. Two meals per day are given to the prisoners. The drinking water is good. The building is of stone. Services are held on Sunday. Dr. Thos. C. Frame is jail physician, and Mr. S. L. Shaw is sheriff. The location of the jail is good.

Respectfully submitted,

E. B. FRAZER, Secretary.

At 1 P. M., on motion of Dr. Lowber, the Board took a recess of one hour for dinner. At 2 P. M., the President, Dr. Cooper, called the Board to order. Members all present.

## CONFERENCE ACADEMY AT DOVER, DELAWARE.

Dover, Del., April 21, 1898.

To the President and Members of the State Board of Health.

Gentlemen:—Your Secretary begs leave to report that he inspected this institution, on the above date. The building is of bricks, three stories high, an annex has been erected to the main building. The latest modern improvements are being introduced in the various departments. The pupils number 157, the sexes about equally divided. There are seven teachers, three males and four females. Rev. V. S. Collins is the principal, and Rev. J. H. Beauchamp is the agent and manager. There are 90 boarders and a majority of the students are from Delaware. The building is thoroughly cleaned three times a year, Christ-

mas holidays, Easter and in July. Ninety per cent of the students are vaccinated. The drinking water is good. The location is excellent, and spacious grounds are beautiful. New improvements are being made each year. There was no sickness in the institution, and the sanitary condition of the place is first-class.

Respectfully submitted,

E. B. FRAZER, Secretary.

### COLORED SCHOOL.

Your Secretary reports that while in Dover, April 21, 1898, he inspected the colored school in Dover. The building is of wood and was erected in 1867. It needs to be repaired very much. The pupils number 115. The building is 48 by 24 feet, and the ceiling 10 feet. Two school rooms with a vestibule front. New blackboards are needed. No wells on the premises. The yard is 120 by 72 feet. Dr. Thomas C. Frame, of the local Board of Health, was seen. Called on Recorder James Lord. out-house for men at the railroad station was full; notified the agent.

The negro school in Georgetown was closed.

Respectfully submitted,

E. B. FRAZER, Secretary.

### NEW CASTLE.

Wilmington, Del., May 9, 1898.

To the President and members of the State Board of Health,

Gentlemen:—Your Secretary visited the city of New Castle on the above date. Mr. W. J. Hoffmann, Secretary of the local Board of Health, was seen. He reported that their Board of Health was active, and that the long standing nuisance along the Delaware Railroad, called the battery ditch, has been cleaned out by the Delaware Railroad Company, and the work is a great improvement, and due to Mr. R. L. Holliday, Superintendent of the Delaware Railroad Company. The water works have been overhauled, and the drinking water is much

improved. The Board of Health meets once a month, and is doing good work. I learned that within the past two weeks, there were four cases of diphtheria in said city and three died. One patient is still sick. The Secretary, Mr. Hoffmann, said that the isolation and disinfection of houses were attended to in all cases of diphtheria, and that funerals were strictly private.

Dr. David Stewart was seen, and he reported that the general health of the people was good, and that the epidemic of measles was over; there were a few cases of malaria. Diphtheria patients were quarantined.

Respectfully submitted,

E. B. FRAZER, Secretary.

#### COUNTY JAIL IN NEW CASTLE.

Your Secretary inspected the county jail May 9, 1898. The prisoners number 179, viz: White, 73 males and 4 females, total white 77; negro, 88 males and 14 females, total negroes 102. The size of the cells are about 10x12 ft, ceiling about 10 ft. There is a window, ventilator and urinal in each cell, floor yellow pine. One large cell called the bum cell, is 20x50 ft., ceiling 9 ft., well ventilated and light. The floor of the jail is of stone, and also the building. From the stone floor to the ceiling it is 45 feet. There are ten windows and ventilators on each side and two in the end, open space inside to the roof, and all cells are in view from any point inside. The iron pipes which carry the water to the urinals in the cells have been in use for forty years. They are rusty inside and are choked up. The attention of the proper officials has been drawn to this subject. The place is cleaned, scrubbed and whitewashed every month. The yards, cellar and kitchen were clean, and the sanitary condition was good. No sickness. Dr. John J. Black is the physician.

Respectfully submitted,

E. B. FRAZER, Secretary.

#### DELAWARE CITY.

Your Secretary visited Delaware City, May 10, 1898. The

town was clean. Dr. F. D. Dunlap said the general health was good. Mayor George B. Money is keeping a close watch over pig pens and relief stations.

#### NEW CASTLE COUNTY'S ALMSHOUSE.

Your Secretary visited this institution May 21, 1898. The population was 227, viz: White women, 68; white men, 130; white children, 7; total white, 205. Negro men, 6; women, 12; children, 4; total negroes, 22. During February, March and April, there were 8 deaths and three births. There was no sickness of a zymotic type. The large brick building is being painted white and a cupalo is being erected on the roof to afford better ventilation. The relief station in the rear yard has been cleaned out. The urinals, wash basins and relief stations in the building are connected with the sewer, and the plumbing is in good order. The sanitary condition of the building is good. The employes are Mr. David McCoy, Superintendent; Mrs. McCoy, his wife, matron. A plumber, a fireman, a farmer, nurses, one male and one female, a laundress, a seamstress, all white persons. Drs. F. L. Springer and E. H. McCabe, are the physicians. The trustees meet once a month. The food, provisions, drugs and clothing is furnished by contract to the lowest bidder. Religious services are held every Sunday afternoon. The late hail storm broke 200 panes of window glass in the building. The stock consists of 4 horses, 8 cows and 25 hogs. There are 8 acres of wheat, 17 of corn and 6 of potatoes. Ice is gathered during the winter for all purposes. The ground around the building is large and well taken care of.

E. B. FRAZER, Secretary.

#### EDGEMOOR.

Edgemoor on the Delaware, three miles from Wilmington. Your Secretary visited this place May 21, 1898. Here are employed several hundred workmen, making iron bridges. The village contains about fifty-two brick houses, all neat and clean and owned by the Edgemoor Iron Company. A man is employed to look after the sanitary condition of the village. No sickness, good water and contentment.

Dr. Ellegood introduced the following resolution which was adopted:

Resolved, That the State Board of Health by its Secretary, and with the approval of the President or some individual member thereof, give to the proper officer, such information as may be necessary to the prosecution of any person who within this State shall be engaged in the practice of medicine in violation of the Act of Assembly, entitled "An Act regulating the practice of medicine and surgery of this State."

The Secretary's bill of expense for six months was allowed, viz:

Postage stamps, etc. ....	\$ 5.25
Expressage .....	3.55
Street care fare .....	1.50
Ball of cord, ink, pens and penholders.....	1.25
Expenses to Hockessin .....	1.60
Expenses to Dover, Georgetown, three days, two carriages .....	12.65
P. O. order, pay Dr. Pelletier assessment .....	5.10
Binding State Board Annual Reports in one volume...	1.25
Expenses to New Castle, inspection .....	.20
Expenses to Delaware City .....	1.40
Expenses to Chadd's Ford and Cossart, Pa .....	1.50
Edgemoor and New Castle County Almshouse.....	.50
Harry W. Lowe, carriage hire to date.....	4.50
W. B. Atkinson, one year subscription "Public Health," Philadelphia, Pa.....	7.00
Total .....	\$ 47.25

E. B. Frazer, Secretary, allowance for six months.....250.00

#### EXPENSES OF MEMBERS.

Dr. E. W. Cooper .....	14.00
Dr. A. Lowber .....	5.00
Dr. F. F. Pierson .....	5.00

Dr. John W. Clifton .....	1.65
Dr. Irving S. Vallandigham .....	11.75
Dr. Robert G. Ellegood .....	18.70
Dr. Edward Fowler .....	4.25
Harry Bothman, dinners, rooms, etc.....	4.80
<hr/>	
Total .....	\$362.40

On motion of Dr. Lowber, orders were directed to be drawn in favor of the gentlemen named, and the respective amounts opposite their names.

Dr. Cooper stated that the Board had received an invitation to visit Marietta, Pa., May 20th, to inspect the vaccine plant at that place, and that he designated Drs. Ellegood and Vallandigham to accompany him, which they did.

Officers were elected for the ensuing year. Dr. E. W. Cooper was nominated President, and Dr. Vallandigham was authorized to cast the vote. E. B. Frazer was elected Secretary for the ensuing year.

On motion of Dr. Ellegood, it was moved that when the Board adjourned, it would meet in Wilmington on Tuesday, July 5, 1898, at the Clayton House.

On motion the Board adjourned.

EDMUND B. FRAZER, Secretary.

During the two years ending November 29, 1898, the Board held five stated meetings, and nine adjourned stated and special meetings.

The library of the Board is increasing. There is now over two hundred volumes bound in cloth, and some three hundred volumes bound with paper backs, including pamphlets, all from other State Boards of Health. The State makes no provision for an office for the Secretary.



## REPORTS FROM PHYSICIANS.

In reply to my questions mailed to them, viz: To what extent does Typhoid fever and Malaria fever prevail in your town and vicinity? Is the sanitary condition of your town good, fair or bad?

## GLASGOW.

September 15, 1898. Dr. Wm. T. Skinner says: "Have eight cases of Typhoid fever, four in your old home, caused by the well water becoming polluted, and all the other cases plainly dependent upon the unsanitary conditions of the premises. I see but little Malaria compared with former years. I have several cases of Entro Colitis in young children.

## NEWPORT AND NEW CASTLE.

These towns were visited by myself September 12th. Both towns in good sanitary condition, with very little sickness. No Typhoid fever.

## CLAYTON.

September 15th. Dr. C. G. Harmonson says: "We have no Typhoid this season, and less Malaria at this time than usual. Had an epidemic of measles in the spring and early summer, and one or two cases of diphtheria. The sanitary condition of our town is very good." Dr. Harmonson is president of the local Board of Health.

## SMYRNA.

September 16th. Dr. C. O. Swinney, President of the local Board of Health, says: "Had one case of Typhoid the past year and that was traceable to bad water. Had several cases of Malaria. Smyrna has excellent drinking water. Our town Board of Health has been exceedingly vigilant in looking up all places that are neglected and become breeders of diseased germs. The town council has aided us."

## LEIPSIC.

September 17th. Dr. W. L. Vaughan says: "There has been only two cases of Typhoid in the town and vicinity. Malaria is the prevailing disease here, but it is very limited in number of cases. The sanitary condition of the town is very good."

## LAUREL.

September 15th. Dr. J. W. Fooks, President of the local Board of Health, says: "At the present time we have very little Typhoid fever, and our community is comparatively free from Malaria. We have only had a few cases of Typhoid fever this summer but I cannot say that the sanitary condition of our town is as good as it ought to be."

## MILTON.

September 15th. Dr. R. B. Hopkins, President of the local Board of Health, says: "I do not know of a case of typhoid in our town, and have heard of none in the vicinity. We have had a few cases of Malaria; they have been mild in form and of short duration. As in the past during the heated terms we have had many cases of dysentery, this summer we have been nearly free, only a few mild cases. The sanitary condition of our town is good, owing to the efforts of our local Board of Health in abating nuisances."

## DELMAR.

September 16th. Dr. Robert Ellegood says: "I do not think there is a case of Typhoid fever on the Delaware side of our town. It does not prevail in this vicinity. I have several cases in Maryland. Have some Malaria but not as much as last year. We are having more Jaundice than anything else at present. The sanitary condition of the town is very good."

## LEWES.

September 16th. Dr. H. H. Dodd, Secretary of the local Board of Health, says: "There has not been a single case of

Typhoid fever noted in our vicinity during the summer and fall up to the present. There is some Malaria prevailing but not at all extensive, and this is found to be on the decrease, in comparison to previous years. The sanitary condition of our town is fair." Dr. Jos. M. Martin, a former secretary, says: "Have heard of only one case of Typhoid fever. I have very few cases of Malaria."

#### HARRINGTON.

Harrington was visited September 12th by the request of a number of citizens. Drs. B. L. Lewis, T. G. R. Rile and R. T. J. Barber were seen and each reported that Typhoid fever and Malaria were quite prevalent. The cause of Typhoid fever was the unsanitary condition of the dwelling houses, floors near the grounds, no cellars and the well water polluted by surface drainage. The sanitary condition of the town is not good. I shall urge the State Board of Health to meet in Harrington soon as an advisory board to the town authorities.

#### DOVER.

September 22nd. Dr. T. C. Frame says: "There has been very little Typhoid fever in Dover and its vicinity. Thus far this season, since the cool nights have set in, there has been some cases of Malaria developed. The sanitary condition is good at present. We are blessed with good pure hydrant water from the water works of the town pumps." Dr. Frame is physician to the Board of Health.

#### CENTREVILLE.

September 22nd. Dr. Jos. H. Chandler says: "Have 19 cases of Typhoid fever, since the first of August 15 cases. At Squirrel Run, DuPont's Banks on the Brandywine, lost but one patient, and that from Augina Pectoris. There was an epidemic of measles at Yorklyn, all doing well. Some few cases of whooping cough. There were a few cases of diphtheria, all mild and all have recovered. The general health of the people in this community is good."

## GREENWOOD.

September 23rd. Dr. C. W. Ammerman says: "We have two cases of Typhoid fever in the town and three in the country; seven cases of remittent fever in town limits and four cases outside. Dysentery and Cholera Infantum was prevalent during June and July. The sanitary condition of our town is fair. The large ditches that run through the town that we had so much trouble to have cleaned, are now legally chartered ditches and will be cleaned yearly. Mr. Grimes, of the School Board, is looking after the children's comfort. Our sickness was due to extreme heat."

## GEORGETOWN.

September 23rd. Dr. G. F. Jones, Secretary of the Board of Health, says: "Our town has been very healthy this summer. Pig pens are kept clean. We have a meeting occasionally. There has been no infectious disease here this year. We are moving on in a clean and pure atmosphere. Good. Amen and Amen."

## MIDDLETOWN.

September 26th. Dr. Irving S. Vallandigham, President of the local Board of Health, says: "After interviewing the physicians in this town, I find that we are free from Typhoid and Malaria. The health of this community is excellent. The sanitary condition above the average. Our Board has made a general inspection during the month of August."

## TOWNSEND.

September 28th. Dr. Thos. A. Enos, physician to the Board of Health, says: "I have no Typhoid fever cases. I have three cases of Malaria fever, one of intermittent and two of remittent fever. There are a few cases of mild type, I suppose that I never got to see, as they are treating themselves."

## SEAFORD.

September 30th. Dr. C. H. Carter, President of the Board

of Health, says: "There has been more Typhoid fever in this vicinity this year than usual, perhaps 15 to 20 cases. Malaria in mild form. Sanitary condition of the town only fair, caused by neglect of proper authorities to attend to it."

### NEWARK.

October 5th. Dr. J. B. Butler, President of the Board of Health, says, "we have no typhoid fever or malaria in this town or vicinity, nor any other trouble of an epidemic character. The sanitary condition of our town is fair, we need a better system of sewerage. The Board of Health is exerting its influence in that direction."

### FINANCIAL STATEMENT.

Unexpended balance, November 30, 1897.....	\$ 587.00
Expenses of meeting, November 24, 1896....	\$314.74
Expenses of meeting, December 17, 1896....	35.70
	<u>350.44</u>

Balance from appropriation, 1896.....	\$ 236.56
Appropriation year 1897 .....	1,000.00

Total .....	<u>\$1,236.56</u>
Expenses of meeting, May 25, 1897.....	\$365.69
Expenses of meeting, June 9, 1897.....	32.17
Expenses of meeting, July 9, 1897.....	14.50
Expenses of meeting, August 28, 1897.....	19.10
Expenses of meeting, October 1, 1897.....	69.90
	<u>501.36</u>

Unexpended balance, November 30, 1897.....	\$ 735.20
Expenses of meeting, November 30, 1897....	\$459.60
Expenses of meeting, December 23, 1897....	74.75
Expenses of meeting, February 17, 1898.....	34.55
	<u>568.90</u>

Balance from appropriation, 1897.....	\$ 166.30
Appropriation year 1898 .....	1,000.00

Total .....	<u>\$1,166.30</u>
Expenses of meeting, May 31, 1898.....	362.40

Unexpended balance, May 31, 1898.....\$ 803.90

EDMUND B. FRAZER, Secretary.

## WATER SUPPLY IN DELAWARE.

Chapter 405, Volume 12, Laws of Delaware.

An Act to Define and Prevent Certain Nuisances.

“SECTION 1. That hereafter no person or persons shall cast, put, place, discharge in or permit or suffer to be cast, put, placed or discharged in, or to escape into any running stream of water within the limits of this State, from which stream the inhabitants of any borough, town or city within this State are supplied wholly or in part with water for and as a drink or beverage, any dye stuffs, drugs, chemicals or matter of any kind whatsoever and by any means whereof the said water so supplied as and for a drink or a beverage as aforesaid, shall be made and become noxious to the health or disagreeable to the sense of smell or taste.

SECTION 2. Every person so offending against the provisions of the preceding section of this Act shall be deemed guilty of committing a common nuisance, and upon conviction thereof, by indictment in the Court of General Sessions of the Peace and Jail Delivery, shall be fined from \$1,000 to \$5,000 at the discretion of the Court, and in addition to the fine aforesaid, the Court shall issue an order for the abatement of the nuisance within twenty days after the verdict of the jury upon the indictment aforesaid, and the sheriff of either of the counties of the State in which said conviction shall take place under the order aforesaid, unless the said nuisance shall, before the expiration of the time allowed for the abatement of the said nuisance have been abated, have full power to abate the same, and to this end shall enter on the premises from which the said nuisance proceeded, and arrest, stop, and put an end to the business from carrying on of which or in the process of which the said nuisance was created or carried on, or premises from which the said nuisance proceeded and issued.

SECTION 3. That no person hereafter shall put or place or permit to be put, placed or used, any privy, hog pen or slaughter house over or so near that the excrement or offal therefrom shall escape or run into any running stream of water within the limits of this State from which the inhabitants of any town, borough or city within the limits aforesaid are wholly or in part furnished with water as a drink or beverage, and any one offending against the provisions of this section shall be deemed guilty of committing a common nuisance and upon the conviction thereof in the Court aforesaid, shall be fined the sum of \$100.00, and the Court shall order the nuisance abated immediately."

Passed at Dover, February 4th, 1864.

## TREATMENT OF THE DROWNED.

'The Two Things to be Done: Restore Breathing; Restore Animal Heat.

RULE 1. Loosen all neck and waist-bands, quickly—by unbuttoning or cutting them.

RULE 2. Turn the patient on the face, with the head down hill, if possible.

RULE 3. Stand astride the hips with your face towards his head, and locking your fingers together under his belly; raise the body as high as you can without lifting the forehead from the ground, and give the body a smart jerk to remove mucus from the throat, and water from the wind-pipe; holding the body long enough to count slowly, one-two-three-four-five, repeating the jerk gently two or three times.

RULE 4. Next, with patient and operator in same position, grasp the clothing at the point of the shoulders, or if the body is naked, thrust your fingers into the armpits, clasping the thumbs over the points of the shoulders, and raise the chest as

high as you can, without lifting the forehead from the ground, and hold it long enough to slowly count one-two-three.

RULE 5. Replace the patient on the ground, with his forehead resting on his arm, or on anything to support it from the ground; straighten out the neck, and free the mouth and nose; then place your elbows against your knees, and put your hands upon the sides of his chest over the lower ribs, and press downward and inward with increasing force, long enough to count slowly one-two. Then suddenly let go, grasp the shoulders as before and raise the chest; then press upon the ribs as before; again raise the chest and repeat these alternate movements in the same order ten or fifteen times a minute for an hour at least; unless breathing is restored sooner.

RULE 6. After breathing has commenced (or before if convenient,) cover the body with warm blankets—TO RESTORE THE ANIMAL HEAT—also, use bottles of hot water or hot bricks to the extremities. Warm the head nearly as fast as the body, lest convulsions come on. Rubbing and slapping the fleshy parts assist in restoring heat.

RULE 7. When the patient can readily swallow, give sparingly hot coffee, tea, milk, or a little spirits and water. If the power of swallowing return very slowly, two tablespoonful of spirits in two or three tablespoonful of warm water may be injected into the bowels and held there by pressure.

RULE 8. As soon as strength will permit, place the patient in a warm bed, give plenty of fresh air and keep him quiet. In all the treatments keep away the crowd.

If the above means fail galvanism may be tried by currents passed through the diaphragm, or lower part of the chest.

Beware of losing a moment of time. Cover the lower half of the body; and apply heat, if you can, by assistants; but don't stop to remove clothing or take the body away from the shore. If the patient can be brought to gasp or breathe, there is hope. This is the great point to be obtained.



Don't turn the patient on his back unless there is some one to hold forward the tongue, as strangulation may be caused by the tongue falling into the throat.

Don't be discouraged too soon. Well authenticated cases are on record of persons who have been under water for an hour or more, having been restored; and persons have recovered after the continuance of efforts for resuscitation for two hours. Doubtless many have been allowed to die for want of proper or long continued efforts for their recovery; the attendants becoming fatigued or discouraged after a trial of fifteen or twenty minutes.

In suffocation by smoke or any poisonous gas, or by hanging, proceed the same as drowning, omitting the effort to expel water, etc., from the windpipe.

In suspended breathing from effects of chloroform, hydrate of chloral, etc., proceed as in Rule 3, taking pains to keep the head low and the tongue drawn forward.

These rules are purposely drawn up in a plain manner, and embody what is believed to be the best means known for the resuscitation of the drowned. They can be carried out by one person, if help cannot be had by calling; but no delay should take place before help comes. No attempt is made to explain the physiology of the processes here recommended; they are believed to be founded on sound principles and conformable to physiological laws.

They are taken chiefly from the report of the State Board of Health of Michigan, for 1874.

L. P. BUSH, M. D.

## Boards of Health in the State of Delaware.

### NEW CASTLE COUNTY.

Estimated Population.

Wilmington, 73,000—five members, two physicians (the port

physician, ex-officio), a plumber and a business man; appointed annually by the mayor of the city at the first stated meeting in May. The chief engineer of the Surveying Department of the city shall be ex-officio a member of the Board of Health, without salary as such. The Board shall appoint its own president and treasurer from among its own members. The secretary of the Board is also Registrar of Marriages, Births and Deaths; he is elected by the Board in May annually; he is not a member of the Board; he receives a salary of eleven hundred dollars per annum and some perquisites. The members of the Board receive as salary per annum each \$100. (Abstract from City Ordinance).

New Castle, 4,000—Although the Act of Assembly requires the Common Council of every city in which there is not a Board of Health, duly organized, to appoint one each year. They have a Board of Health now. The commissioners of all incorporated towns are required to appoint annually a Board of Health, to consist of three, five or seven members; one must be a physician; also, if there is a port physician, he is a member ex-officio.

Newark, 1,500—Has an active Board of Health.

Christiana, 300—Has no town government.

Stanton, 279—Has no town government.

Newport, 711—Has town commissioners. No Board of Health.

St. Georges, 325—Has a Board of Health. Not very active.

Delaware City, 969—Has no Board of Health. The appointee won't serve.

Henry Clay, (factory town) 829—No Board of Health.

Marshallton, 419—No Board of Health.

Hockessin, 300—No Board of Health.

Port Penn, 300—No Board of Health.

Middletown, 1,500—Has an active Board of Health.

Odessa, 640—Has an active Board of Health.

Townsend, 400—Has an active Board of Health.

#### KENT COUNTY.

Clayton, 500—Has an active Board of Health.

Smyrna, 3,000—Has an active Board of Health.

Kenton, 241—Has no Board of Health.

Leipsic, 355—Has an active Board of Health.

Little Creek, 285—Has no Board of Health.

Dover, 3,500—Has an active Board of Health.

Camden, 550—Has an active Board of Health.

Felton, 475—Has no Board of Health.

Frederica, 621—Has no Board of Health.

Magnolia, 216—Has no Board of Health.

Wyoming, 500—Has no Board of Health.

Farmington, 469—Has no Board of Health.

Harrington, 1,000—Has a Board of Health. Not very active.

Milford, 1,500—Has a Board of Health. Active.

## SUSSEX COUNTY.

Seaford, 1,500—Has a Board of Health; but not very active.

Laurel, 2,500—Has a Board of Health; but not very active.

Lewes, 2,300—Has a Board of Health. Active.

Milton, 1,500—Has a Board of Health. Active.

Milford, 2,000—Board of Health active. Total population 3,500.

Georgetown, 1,200—Has a Board of Health.

Bridgeville, 600—Board of Health appointed, but neither of the physicians serve.

Frankford, 519—No Board of Health.

Bethel, 378—No Board of Health.

Lincoln, 318—No Board of Health.

Millsboro, 324—No Board of Health.

Delmar, 400—No Board of Health.

Concord, 300—No Board of Health.

## POPULATION CENSUS OF 1890.

The commissioners of the above towns make no appropriation to sustain Board of Health.

## A TABULATED REPORT

Of Marriages, Births and Deaths in the State of Delaware, for the Years Ending June 30, 1897,  
and June 30, 1898, Inclusive.

The inefficiency of our present Registration Laws will be fully shown in the tables here compiled from the records in the Recorders' offices in the several counties. So many cases of births are attended by neighbors and local unregistered midwives that never are recorded that the report of births is largely useless, and indicates a rapid depopulation of the counties of Kent and Sussex. The Board of Health has on several occasions called the attention to very desirable changes in these laws but without effect.

## NEW CASTLE COUNTY.

First Quarter, ending September 30, 1896.

## Marriages, Births and Deaths.

Alcoholism .....	1
Croup .....	3
Carbuncle .....	1
Cholera Morbus .....	3
Cholera Infantum .....	42
Cerebro Spinal Meningitis .....	1
Diarrhoea .....	1
Dysentery .....	9
Diphtheria .....	4
Erysipelas .....	0
Intermittent Fever .....	0
Measles .....	3
Purpura .....	0
Puerperal Fever .....	2
Pyæmia .....	0
Remittent Fever .....	0
Rheumatism .....	1

Scarlet Fever .....	0
Small Pox .....	0
Syphilis (Congenital) .....	0
Syphilis .....	0
Septicæmia .....	2
Tonsilitis .....	0
Typhoid Fever .....	9
Whooping Cough .....	1
<hr/>	
Zymotics .....	83
Typhoid Pneumonia .....	1
Cancer .....	10
Consumption .....	44
Meningitis .....	17
Marasmus .....	30
Inanition .....	15
Bright's Disease .....	8
Bronchitis .....	2
Heart Disease .....	34
Pneumonia .....	4
Accidents .....	0
Accidents on Railroads .....	7
Disease of the Brain .....	29
Disease of the Bowels .....	17
Paralysis .....	10
Old Age .....	20
General Debility .....	20
Peritonitis .....	1
Entero Colitis .....	8
Convulsions .....	11
Gunshot Wound .....	2
Dropsy .....	5
Pleurisy .....	1
Drowned .....	6
Paresis .....	1
Electric Shock .....	1
Epilepsy .....	1
Tetanus .....	1
Appendicitis .....	3
Premature Births .....	9

All other diseases .....	36
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Total .....	427
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## Decedents.

White .....	364
Negro .....	63

Total .....	427
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Males .....	221
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Females .....	206
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Total .....	427
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Born in the United States .....	365
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Foreign Born .....	62
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Total .....	427
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## Ages of the Decedents.

Under 1 year .....	141
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From 1 to 5 years .....	32
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From 5 to 10 years .....	10
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From 10 to 20 years .....	22
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From 20 to 30 years .....	31
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From 30 to 40 years .....	34
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From 40 to 50 years .....	25
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From 50 to 60 years .....	33
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From 60 to 70 years .....	32
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From 70 to 80 years .....	32
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From 80 to 90 years .....	20
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From 90 to 100 years .....	4
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Age not stated .....	11
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Total .....	427
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## Births.

White .....	316
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Negro .....	21
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Total .....	337
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Males .....	170
Females .....	167
Total .....	337

## Marriages.

White .....	95
Negro .....	13
Total .....	108
Still Born .....	15
Brought here for interment .....	28

## Second Quarter, Ending December 31, 1896.

## Marriages, Births and Deaths.

Alcoholism .....	0
Croup .....	5
Cholera Morbus .....	0
Cholera Infantum .....	3
Cerebro Spinal Meningitis .....	3
Diarrhœa .....	4
Dysentery .....	0
Diphtheria .....	17
Erysipelas .....	1
Measles .....	0
Puerperal Fever .....	0
Pyæmia .....	0
Rheumatism .....	1
Scarlet Fever .....	1
Small Pox .....	0
Syphilis (Congenital) .....	1
Syphilis .....	0
Septicæmia .....	2
Tonsilitis .....	0
Typhoid Fever .....	11
Whooping Cough .....	0
Zymotics .....	59



Typho-malarial Fever .....	0
Typhoid Pneumonia .....	4
Cancer .....	9
Consumption .....	39
Meningitis ... ..	7
Marasmus .....	12
Inanition .....	11
Bright's Disease .....	8
Bronchitis .....	6
Heart Disease .....	31
Pneumonia .....	22
Accidents .....	5
Accidents on Railroads .....	5
Disease of the Brain .....	34
Disease of the Bowels .....	10
Convulsions .....	17
Paralysis ... ..	9
Burned .....	3
Peritonitis .....	2
Enterocolitis .....	6
General Debility .....	7
Tetanus .....	1
Tubercular Laryngitis .....	2
Congestion of Lungs .....	2
Gunshot Wound .....	1
Old Age .....	2
Premature Birth .....	8
All other diseases .....	55
Remittent Fever .....	1

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Total .....378

#### Decedents.

White .....	315
Negro .....	63

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Total .....378

Males .....201

Females .....	177
Total .....	378
Born in the United States .....	334
Foreign Born .....	44
Total .....	378

## Ages of the Decedents.

Under 1 year .....	86
From 1 to 5 years .....	51
From 5 to 10 years .....	16
From 10 to 20 years .....	14
From 20 to 30 years .....	35
From 30 to 40 years .....	31
From 40 to 50 years .....	26
From 50 to 60 years .....	39
From 60 to 70 years .....	36
From 70 to 80 years .....	28
From 80 to 90 years .....	8
Age not stated .....	8
Total .....	378

## Births.

White .....	346
Negro .....	49
Total .....	395
Males .....	190
Females .....	205
Total .....	395

## Marriages.

White .....	134
Negro .....	22
Total .....	156

Still Born .....	14
Brought here for interment .....	26

## Third Quarter, ending March 31, 1897.

## Marriages, Births and Deaths.

Alcoholism .....	0
Croup .....	6
Cholera Morbus .....	0
Cholera Infantum .....	2
Cerebro Spinal Meningitis .....	2
Diarrhœa .....	0
Dysentery .....	0
Diphtheria .....	9
Erysipelas .....	0
Measles .....	0
Purperal Fever .....	0
Pyæmia .....	0
Rheumatism .....	5
Scarlet Fever .....	1
Small Pox .....	0
Syphilis (Congenital) .....	0
Septicæmia .....	0
Tonsilitis .....	0
Typhoid Fever .....	3
Whooping Cough .....	0
<hr/>	
Zymotics .....	28
Typho-malarial Fever .....	3
Typhoid Pneumonia .....	3
Cancer .....	10
Consumption .....	52
Meningitis .....	11
Marasmus .....	4
Inanition .....	11
Bright's Disease .....	15
Bronchitis .....	16
Heart Disease .....	39
Pneumonia .....	70
Accidents .....	5

Accidents on Railroads .....	4
Disease of the Brain .....	20
Disease of the Bowels .....	18
Old Age and General Debility .....	38
Convulsions .....	12
Paralysis .....	16
Dropsy .....	2
Epilepsy .....	1
Peritonitis .....	4
Puerperal Convulsions .....	1
Puerperal Fever .....	1
Gunshot Wound .....	1
La Grippe .....	8
Drowned .....	3
Suicide .....	2
Premature Birth .....	8
All other diseases .....	55
<hr/>	
Total .....	458

## Decedents.

Whites .....	367
Negro .....	91
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Total .....	458
Males .....	226
Females .....	232
<hr/>	
Total .....	458
Born in the United States .....	390
Foreign Born .....	68
<hr/>	
Total .....	458

## Ages of the Decedents

Under 1 year .....	82
From 1 to 5 years .....	51
From 5 to 10 years .....	13
From 10 to 20 years .....	19

From 20 to 30 years .....	42
From 30 to 40 years .....	44
From 40 to 50 years .....	35
From 50 to 60 years .....	47
From 60 to 70 years .....	33
From 70 to 80 years .....	50
From 80 to 90 years .....	27
From 90 to 100 years .....	3
Over 100 years (107) .....	1
Unknown .....	11
Total .....	<hr/> 458

## Births.

White .....	356
Negro .....	33
Color not given .....	13
Total .....	<hr/> 402
Males .....	197
Females .....	205
Total .....	<hr/> 402

## Marriages.

White .....	120
Negro .....	14
Total .....	<hr/> 134
Still Born .....	22
Brought here for interment .....	34
Phillis Mahurd, negro female, age 107 years, of New Castle, Delaware.	

## Fourth Quarter, ending June 30, 1897.

## Marriages, Births and Deaths.

Alcoholism .....	2
Croup .....	6

Cholera Morbus .....	0
Cholera Infantum .....	15
Cerebro Spinal Meningitis .....	0
Diarrhœa .....	0
Dysentery .....	3
Diphtheria .....	9
Erysipelas .....	0
Measles .....	0
Puerperal Fever .....	1
Pyæmia .....	2
Rheumatism .....	3
Scarlet Fever .....	0
Small Pox .....	0
Syphilis (Congenital) .....	0
Syphilis .....	0
Septicæmia .....	3
Tonsilitis .....	0
Typhoid Fever .....	6
Whooping Cough .....	1
<hr/>	
Zymotics .....	51
Typho Malarial Fever .....	0
Typhoid Pneumonia .....	0
Cancer .....	7
Consumption .....	43
Meningitis .....	16
Marasmus .....	8
Inanition .....	14
Bright's Disease .....	12
Bronchitis .....	9
Heart Disease .....	26
Pneumonia .....	27
Accidents .....	4
Accidents on Railroads .....	3
Disease of the Brain .....	30
Disease of the Bowels .....	11
General Debility and Old Age .....	16
Paralysis .....	13
Convulsions .....	11
Appendicitis .....	1

La Grippe .....	2
Drowned .....	2
Peritonitis .....	1
Congestion of the Lungs .....	2
Hemorrhage from Lungs .....	1
Pleurisy .....	1
Neck Broken .....	1
Premature Birth .....	12
All other diseases .....	37
Total .....	<u>362</u>

## Decedents.

White .....	294
Negro .....	68
Total .....	<u>362</u>
Males .....	175
Females .....	187
Total .....	<u>362</u>
Born in the United States .....	307
Foreign Born .....	55
Total .....	<u>362</u>

## Ages of the Decedents.

Under 1 year .....	90
From 1 to 5 years .....	40
From 5 to 10 years .....	16
From 10 to 20 years .....	17
From 20 to 30 years .....	28
From 30 to 40 years .....	29
From 40 to 50 years .....	32
From 50 to 60 years .....	22
From 60 to 70 years .....	40
From 70 to 80 years .....	27
From 80 to 90 years .....	11
From 90 to 100 years .....	1

Age not stated .....	9
Total .....	362

## Births.

White .....	345
Negro .....	27
Total .....	372
Males .....	182
Females .....	190
Total .....	372

## Marriages.

White .....	110
Negro .....	12
Total .....	122
Still Born .....	14
Brought here for interment .....	31

## RECAPITULATION.

Of Marriages, Birth and Deaths in New Castle County for the  
year ending June 30, 1897.

	1st. $\frac{1}{4}$	2d. $\frac{1}{4}$	3d. $\frac{1}{4}$	4th. $\frac{1}{4}$	To't
Alcoholism .....	1	0	0	2	3
Croup .....	3	15	6	6	30
Cholera Morbus .....	3	0	0	0	3
Cholera Infantum .....	42	3	2	15	62
Carbuncle .....	1	0	0	0	1
Cerebro Spinal Meningitis	1	3	2	0	6
Diarrhœa .....	1	4	0	0	5
Dysentery .....	9	0	0	3	12
Diphtheria .....	4	17	9	9	39
Erysipelas .....	0	1	0	0	1
Measles .....	3	0	0	0	3



	1st. $\frac{1}{4}$	2d. $\frac{1}{4}$	3d. $\frac{1}{4}$	4th. $\frac{1}{4}$	To't
Puerperal Fever .....	2	0	0	1	3
Pyæmia .....	0	0	0	2	2
Rheumatism .....	1	1	1	3	10
Scarlet Fever .....	0	1	1	0	2
Small Pox .....	0	0	0	0	0
Syphilis (Congenital) ....	0	1	0	0	1
Syphilis .....	0	0	0	0	0
Septicæmia .....	2	2	0	3	7
Tonsilitis .....	0	0	0	0	0
Typhoid Fever .....	9	11	3	6	29
Whooping Cough .....	1	0	0	1	2
<hr/>					
Zymotics .....	83	59	28	51	221
Typho-malarial Fever ....	0	0	0	0	0
Typhoid Pneumonia .....	1	4	3	0	8
Cancer .....	10	9	10	7	36
Consumption .....	44	39	52	43	178
Meningitis .....	71	7	11	16	52
Marasmus .....	30	12	4	8	54
Inanition .....	15	11	11	4	41
Bright's Disease .....	8	8	15	12	43
Bronchitis .....	2	6	16	9	33
Heart Disease .....	34	31	39	26	130
Pneumonia .....	4	22	70	27	123
Accidents .....	0	5	5	4	14
Accidents on Railroads ...	7	5	4	3	19
Disease of the Brain .....	29	34	20	30	113
Disease of the Bowels ....	17	10	18	11	56
Paralysis .....	10	9	16	13	48
Old Age .....	20	2	38	16	76
General Debility .....	10	7	0	0	17
Peritonitis .....	1	2	4	1	8
Entero Colitis .....	8	6	0	1	15
Convulsions .....	11	17	12	11	51
Gunshot Wound .....	2	1	1	0	4
Dropsy .....	5	0	2	0	7
Pleurisy .....	1	0	0	1	2
Drowned .....	6	0	3	1	10
Paresis .....	1	0	0	0	1

	1st. $\frac{1}{4}$	2d. $\frac{1}{4}$	3d. $\frac{1}{4}$	4th. $\frac{1}{4}$	To't
Electric Shock .....	1	0	0	0	1
Epilepsy .....	1	0	1	0	2
Tetanus .....	1	1	0	0	2
Appendicitis .....	3	0	0	2	5
Premature Births .....	9	8	8	12	37
All other diseases .....	36	55	54	37	182
<b>Total .....</b>	<b>427</b>				
Burned .....		3	0	0	3
Tubercular Laryngitis ..		3	0	0	3
Congestion of Lungs....		2	0	2	4
Remittent Fever .....		1	0	0	1
<b>Total ....</b>	<b>378</b>				
Puerperal Convulsions ..			1	0	1
Puerperal Fever .....			1	0	1
La Grippe .....			8	2	10
Suicide .....			2	0	2
Unknown .....			1	0	1
<b>Total ....</b>		<b>458</b>			
Hemorrhage of Lungs ..				1	1
Neck Broken .....				1	1
<b>Total .....</b>				<b>362</b>	<b>1625</b>
First quarter deaths .....					427
Second quarter deaths .....					378
Third quarter deaths .....					458
Fourth quarter deaths .....					362
<b>Total deaths .....</b>					<b>1625</b>
Total Deaths in New Castle County for the Year Ending					
June 30, 1897.					
First quarter .....					427
Second quarter .....					378
Third quarter .....					458

Fourth quarter .....	362	
Total .....	1625	
Zymotics .....	221	
All other diseases .....	1846	
Zymotics .....	83	
Zymotics .....	59	
Zymotics .....	28	
Zymotics .....	51	
Total .....	221	
	Deaths.	Zymotics.
As compared with 1893.....	1716	293
As compared with 1894.....	1700	293
Decedents.		
White .....	1340	
Negro .....	285	
Total .....	1625	
Males .....	823	
Females .....	802	
Total .....	1625	
Born in the United States .....	1396	
Foreign Born .....	229	
Total .....	1625	
Under 1 year .....	399	
From 1 to 5 years .....	174	
From 5 to 10 years .....	55	
From 10 to 20 years .....	72	
From 20 to 30 years .....	136	
From 30 to 40 years .....	138	
From 40 to 50 years .....	118	
From 50 to 60 years .....	141	
From 60 to 70 years .....	141	
From 70 to 80 years .....	137	

From 80 to 90 years .....	66
From 90 to 100 years .....	8
Age not given .....	38
Unknown .....	2
Total .....	<u>1625</u>

## Births for the Same Period.

White .....	1363
Negro .....	130
Color not given .....	13
Total .....	<u>1506</u>
Males .....	739
Females .....	767
Total .....	<u>1506</u>

## Marriages.

White .....	459
Negro .....	61
Total .....	<u>520</u>
Still Births .....	65
Brought here for interment .....	119
Total deaths in 1897 .....	1625
Total births in 1897 .....	<u>1506</u>

Deaths exceed the births by ..... 119

Population of New Castle County, census of 1890, 97,182.  
The annual death rate in the 1,000 inhabitants is 16. Percent-  
age of deaths from zymotic diseases, 13 per cent.

## KENT COUNTY.

First Quarter, ending September 30, 1896.

Marriages, Births and Deaths.

Alcoholism .....	0
------------------	---

Croup .....	0
Carbuncle .....	0
Cholera Morbus .....	0
Cholera Infantum .....	17
Cerebro Spinal Meningitis .....	1
Diarrhœa .....	2
Dysentery .....	5
Diphtheria .....	2
Erysipelas .....	0
Intermittent Fever .....	0
Measles .....	0
Pupura .....	0
Puerperal Fever .....	0
Pyæmia .....	0
Remittent Fever .....	0
Rheumatism .....	0
Scarlet Fever .....	0
Small Pox .....	0
Syphilis (Congenital) .....	0
Syphilis .....	0
Septicæmia .....	0
Tonsilitis .....	0
Typhoid Fever .....	3
Whooping Cough .....	2
<hr/>	
Zymotics .....	32
Typho-malarial Fever .....	1
Cancer .....	2
Consumption .....	21
Meningitis .....	8
Marasmus .....	4
Bright's Disease .....	5
Bronchitis .....	2
Heart Disease .....	7
Pneumonia .....	0
Accidents .....	1
Accidents on Railroads .....	1
Disease of the Brain .....	1
Disease of the Bowels .....	12
Dropsy .....	2

Paralysis .....	6
Peritonitis .....	1
Old Age .....	8
General Debility .....	8
Drowned .....	2
Convulsions .....	1
Eclampsia .....	1
All other diseases .....	8
Total .....	133

## Decedents.

White .....	86
Negro .....	47
Total .....	133
Males .....	69
Females .....	64
Total .....	133
Born in the United States .....	132
Foreign Born .....	1
Total .....	133

## Ages of the Decedents.

Under 1 year .....	33
From 1 to 5 years .....	16
From 5 to 10 years .....	4
From 10 to 20 years .....	4
From 20 to 30 years .....	6
From 30 to 40 years .....	5
From 40 to 50 years .....	12
From 50 to 60 years .....	6
From 60 to 70 years .....	16
From 70 to 80 years .....	20
From 80 to 90 years .....	9
Age not stated .....	2
Total .....	133

## Births.

White .....	29
Negro .....	4
Total .....	33
Males .....	13
Females .....	20
Total .....	33

## Marriages.

White .....	38
Negro .....	9
Total .....	47
Still Born .....	1
Brought here for interment .....	5

## Second Quarter, Ending December 31, 1896.

## Marriages, Births and Deaths.

Alcoholism .....	0
Croup .....	0
Cholera Morbus .....	0
Cholera Infantum .....	4
Cerebro Spinal Meningitis .....	0
Diarrhœa .....	0
Dysentery .....	0
Diphtheria .....	10
Erysipelas .....	1
Measles .....	0
Puerperal Fever .....	0
Pyæmia .....	1
Rheumatism .....	0
Scarlet Fever .....	0
Small Pox .....	0
Syphilis (Congenital) .....	0
Syphilis .....	0
Septicæmia .....	0
Tonsilitis .....	0

Typhoid Fever .....	2
Whooping Cough .....	0
<hr/>	
Zymotics .....	18
Typho-malarial Fever .....	3
Typhoid Pneumonia .....	0
Cancer .....	3
Consumption .....	24
Meningitis .....	0
Marasmus .....	0
Inanition .....	0
Bright's Disease .....	0
Bronchitis .....	0
Heart Disease .....	8
Pneumonia .....	9
Accidents .....	0
Accidents on Railroads .....	0
Disease of the Brain .....	4
Disease of the Bowels .....	0
Old Age .....	2
Dropsy .....	3
Paralysis .....	4
General Debility .....	7
Convulsions .....	1
Tubercular Laryngitis .....	1
Intermittent Fever .....	1
Pleurisy .....	1
Premature Birth .....	2
All other diseases .....	4
<hr/>	
Total .....	95

## Decedents.

White .....	73
Negro .....	22
<hr/>	
Total .....	95
Males .....	40



Females .....	55
Total .....	95

## Ages of the Decedents.

Under 1 year .....	13
From 1 to 5 years .....	6
From 5 to 10 years .....	8
From 10 to 20 years .....	8
From 20 to 30 years .....	10
From 30 to 40 years .....	8
From 40 to 50 years .....	11
From 50 to 60 years .....	7
From 60 to 70 years .....	12
From 70 to 80 years .....	5
From 80 to 90 years .....	5
Age not stated .....	2
Total .....	95

## Births.

White .....	28
Negro .....	0
Total .....	28

## Marriages.

White .....	36
Negro .....	8
Total .....	44
Still Born .....	2
Brought here for interment .....	4

Third Quarter, ending March 31, 1897.

## Marriages, Births and Deaths.

Alcoholism .....	0
------------------	---

Croup .....	7
Cholera Morbus .....	0
Cholera Infantum .....	8
Cerebro Spinal Meningitis .....	1
Diarrhœa .....	1
Dysentery .....	0
Diphtheria .....	8
Erysipelas .....	0
Measles .....	0
Puerperal Fever .....	0
Pyæmia .....	1
Rheumatism .....	0
Scarlet Fever .....	0
Small Pox .....	0
Syphilis (Congenital) .....	0
Syphilis .....	0
Septicæmia .....	3
Tonsilitis .....	0
Typhoid Fever .....	7
Whooping Cough .....	0
<hr/>	
Zymotics .....	36
Typho-malarial Fever .....	0
Typhoid Pneumonia .....	0
Cancer .....	3
Consumption .....	29
Meningitis .....	0
Marasmus .....	3
Inanition .....	1
Bright's Disease .....	3
Bronchitis .....	2
Heart Disease .....	16
Pneumonia .....	27
Accidents .....	3
Accidents on Railroads .....	0
Disease of the Brain .....	6
Disease of the Bowels .....	8
Convulsions .....	3
Old Age and General Debility .....	13
La Grippe .....	3

Drowned .....	3
Paralysis .....	8
Dropsy .....	4
Peritonitis .....	2
Congestion of Lungs .....	2
Child Birth .....	2
Abortion .....	1
Remittent Fever .....	2
Epilepsy .....	1
Unknown .....	1
All other diseases .....	16
Total .....	198

## Decedents.

Whites .....	129
Negro .....	67
Color not given .....	2
Total .....	198
Males .....	89
Females .....	109
Total .....	198
Born in the United States .....	193
Foreign Born .....	5
Total .....	198

## Ages of the Decedents.

Under 1 year .....	19
From 1 to 5 years .....	26
From 5 to 10 years .....	8
From 10 to 20 years .....	20
From 20 to 30 years .....	19
From 30 to 40 years .....	11
From 40 to 50 years .....	5
From 50 to 60 years .....	17
From 60 to 70 years .....	19
From 70 to 80 years .....	22

From 80 to 90 years .....	18
From 90 to 100 years .....	1
Age not stated .....	13
	<hr/>
Total .....	198

#### Births.

White .....	31
Negro .....	2
	<hr/>
Total .....	33
Males .....	17
Females .....	16
	<hr/>
Total .....	33

#### Marriages.

White .....	79
Negro .....	8
	<hr/>
Total .....	87
Still Born .....	2
Brought here for interment .....	17

Of the deaths only 129 died in 1897. The others died in 1891, 1892, 1893, 1894, 1895 and 1896. The undertaker did not make returns until May, 1897.

#### Fourth Quarter, ending June 30, 1897.

##### Marriages, Births and Deaths.

Alcoholism .....	1
Croup .....	1
Cholera Morbus .....	0
Cholera Infantum .....	1
Cerebro Spinal Meningitis .....	0
Diarrhœa .....	1
Dysentery .....	0
Diphtheria .....	9
Erysipelas .....	0

Measles .....	0
Puerperal Fever .....	0
Pyæmia .....	1
Rheumatism .....	0
Scarlet Fever .....	0
Small Pox .....	0
Syphilis (Congenital) .....	0
Syphilis .....	0
Septicæmia .....	0
Tonsilitis .....	0
Typhoid Fever .....	0
Whooping Cough .....	1
<hr/>	
Zymotics .....	15
Typho-malarial Fever .....	1
Typhoid Pneumonia .....	0
Cancer .....	3
Consumption .....	13
Meningitis .....	0
Marasmus .....	2
Inanition .....	0
Bright's Disease .....	4
Bronchitis .....	0
Heart Disease .....	7
Pneumonia .....	7
Accidents .....	0
Accidents on Railroads .....	0
Disease of the brain .....	2
Disease of the bowels .....	1
General Debility and Old Age .....	7
Convulsions .....	1
Peritonitis .....	1
Cramps .....	1
Congestion of Lungs .....	1
Quinsy .....	1
Hæmorrhage from Lungs .....	1
Congestive Fever .....	1
Pernicious Malarial Fever .....	1
Drowned .....	2

All other diseases .....	8
Total .....	<u>80</u>

## Decedents.

White .....	47
Negro .....	33
Total .....	<u>80</u>
Males .....	47
Females .....	33
Total .....	<u>80</u>
Born in the United States .....	79
Germany .....	1
Total .....	<u>80</u>

## Ages of the Decedents.

Under 1 year .....	15
From 1 to 5 years .....	10
From 5 to 10 years .....	3
From 10 to 20 years .....	4
From 20 to 30 years .....	4
From 30 to 40 years .....	6
From 40 to 50 years .....	4
From 50 to 60 years .....	8
From 60 to 70 years .....	10
From 70 to 80 years .....	11
From 80 to 90 years .....	4
From 90 to 100 years .....	1
Total .....	<u>80</u>

## Births.

White .....	10
Negro .....	0
Total .....	<u>10</u>

Males .....	7
Females .....	3
Total .....	10

## Marriages.

White .....	25
Negro .....	14
Total .....	39
Still Born .....	2
Brought here for interment .....	4

## RECAPITULATION

Of Marriages, Births and Deaths in Kent County for the Year  
Ending June 30, 1897.

	1st. $\frac{1}{4}$	2d. $\frac{1}{4}$	3d. $\frac{1}{4}$	4th. $\frac{1}{4}$	To'tl
Alcoholism .....	0	0	0	1	1
Croup .....	0	0	7	1	8
Carbuncle .....	0	0	0	0	0
Cholera Morbus .....	0	0	0	0	0
Cholera Infantum .....	17	4	8	1	30
Cerebro Spinal Meningitis	1	0	1	0	2
Diarrhœa .....	2	0	1	1	4
Dysentery .....	5	0	0	0	5
Diphtheria .....	2	10	8	9	29
Erysipelas .....	0	1	0	0	1
Intermittent Fever .....	0	1	0	0	1
Measles .....	0	0	0	0	0
Purpura .....	0	0	0	0	0
Puerperal Fever .....	0	0	0	0	0
Pyæmia .....	0	1	1	1	3
Remittent Fever .....	0	0	2	0	2
Rheumatism .....	0	0	0	0	0
Scarlet Fever .....	0	0	0	0	0
Small Pox .....	0	0	0	0	0
Syphilis (Congenital) ....	0	0	0	0	0

	1st. $\frac{1}{4}$	2d. $\frac{1}{4}$	3d. $\frac{1}{4}$	4th. $\frac{1}{4}$	To'l
Syphilis .....	0	0	0	0	0
Septicæmia .....	0	0	3	0	3
Tonsilitis .....	0	0	0	0	0
Typhoid Fever .....	3	2	7	0	12
Whooping Cough .....	2	0	0	1	3
<hr/>					
Zymotics .....	32	18	36	15	101
Typho-malarial Fever .....	1	3	0	1	5
Typhoid Pneumonia .....	0	0	0	0	0
Cancer .....	2	3	3	3	11
Consumption .....	21	24	29	13	87
Meningitis .....	1	0	0	0	1
Marasmus .....	4	0	3	2	9
Inanition .....	0	0	1	0	1
Bright's Disease .....	5	0	3	4	12
Bronchitis .....	2	0	2	0	4
Heart Disease .....	7	8	16	7	38
Pneumonia .....	0	9	27	7	43
Accidents .....	1	0	3	0	4
Accidents on Railroads ..	0	0	0	0	0
Disease of the Brain .....	8	4	6	2	20
Disease of the Bowels .....	12	0	8	1	21
General Debility .....	16	9	13	7	45
Old Age .....	0	0	0	0	0
Paralysis .....	6	4	8	0	18
Drowned .....	2	0	3	2	7
Convulsions .....	1	1	3	1	6
Peritonitis .....	1	0	2	1	4
Child Birth .....	0	0	2	0	2
Dropsy .....	2	3	4	0	9
Premature Births .....	0	2	0	0	2
La Grippe .....	0	0	3	0	3
Congestion of Lungs .....	0	0	2	1	3
Eclampsia .....	1	0	0	2	1
All other diseases .....	8	4	16	8	36
<hr/>					
Total .....	133				
Tubercular Laryngitis ...		1	0	0	1



	1st. $\frac{1}{4}$	2d. $\frac{1}{4}$	3d. $\frac{1}{4}$	4th. $\frac{1}{4}$	To'tl
Pleurisy . . . . .		1	0	0	1
Total . . . . .		95			
Abortion . . . . .			1	0	1
Epilepsy . . . . .			1	0	1
Unknown . . . . .			1	0	1
Total . . . . .			198		
Cramps . . . . .				1	1
Quinsy . . . . .				1	1
Hemorrhage of Lungs . .				1	1
Congestive Fever . . . .				1	1
Pernicious Malarial Fever				1	1
Total . . . . .				80	506

## Decedents.

White . . . . .	335
Negro . . . . .	169
Color not given . . . . .	2
Total . . . . .	506
Males . . . . .	245
Females . . . . .	261
Total . . . . .	506
Born in the United States . . . . .	494
Foreign Born . . . . .	12
Total . . . . .	506

## Ages of the Decedents.

Under 1 year . . . . .	80
From 1 to 5 years . . . . .	58
From 5 to 10 years . . . . .	23
From 10 to 20 years . . . . .	36
From 20 to 30 years . . . . .	39
From 30 to 40 years . . . . .	30

From 40 to 50 years .....	32
From 50 to 60 years .....	38
From 60 to 70 years .....	57
From 70 to 80 years .....	58
From 80 to 90 years .....	36
From 90 to 100 years .....	2
Age not given .....	17
Total .....	<u>506</u>

## Births for the same Period.

White .....	98
Negro .....	6
Total .....	<u>104</u>
Males .....	57
Females .....	47
Total .....	<u>104</u>

## Marriages.

White .....	178
Negro .....	39
Total .....	<u>207</u>
Still Births .....	7
Brought here for interment .....	30

## Deaths.

First quarter deaths .....	133
Second quarter deaths .....	95
Third quarter deaths .....	198
Fourth quarter deaths .....	80
Total deaths .....	<u>506</u>
Total deaths in 1897 .....	506
Total births in 1897 .....	104
Deaths exceed the births by .....	402

Total Deaths in Kent County for the Year Ending  
June 30, 1897.

First quarter .....	133
Second quarter .....	95
Third quarter .....	198
Fourth quarter .....	80
<hr/>	
Total .....	506
Zymotics .....	101
<hr/>	
All other diseases .....	405
Zymotics .....	32
Zymotics .....	18
Zymotics .....	36
Zymotics .....	15
<hr/>	
Total .....	101

	Deaths.	Zymotics.
As compared with 1895 .....	518	49
As compared with 1896 .....	444	73
Population of Kent County, census 1890, 32,664.		

SUSSEX COUNTY.

First Quarter, Ending September 30, 1896.

Marriages, Births and Deaths.

Alcoholism .....	0
Croup .....	0
Carbuncle .....	0
Cholera Morbus .....	0
Cholera Infantum .....	14
Cerebro Spinal Meningitis .....	0
Diarrhœa .....	0
Dysentery .....	1
Diphtheria .....	0
Erysipelas .....	0
Intermittent Fever .....	0
Measles .....	0

Purpura .....	0
Puerperal Fever .....	2
Pyæmia .....	0
Remittent Fever .....	1
Rheumatism .....	0
Scarlet Fever .....	0
Small Pox .....	0
Syphilis (Congenital) .....	0
Syphilis .....	0
Septicæmia .....	1
Tonsilitis .....	0
Typhoid Fever .....	6
Whooping Cough .....	1
<hr/>	
Zymotics .....	26
Cancer .....	0
Consumption .....	19
Meningitis .....	0
Marasmus .....	2
Inanition .....	1
Bright's Disease .....	0
Bronchitis .....	1
Heart Disease .....	9
Pneumonia .....	3
Accidents .....	1
Accidents on Railroads .....	0
Disease of the Brain .....	1
Disease of the Bowels .....	4
Paralysis .....	1
General Debility and Old Age .....	8
Convulsions .....	2
Drowned .....	4
Malaria Fever .....	2
Dropsy .....	4
Tetanus .....	1
Entero Colitis .....	2
Peritonitis .....	3
Appendicitis .....	1
Burned .....	1
Premature Births .....	1

All other diseases .....	10
Total .....	107

## Decedents.

White .....	84
Negro .....	23
Total .....	107
Males .....	51
Females .....	56
Total .....	107
Born in the United States .....	107

## Ages of the Decedents.

Under 1 year .....	31
From 1 to 5 years .....	8
From 5 to 10 years .....	4
From 10 to 20 years .....	6
From 20 to 30 years .....	13
From 30 to 40 years .....	7
From 40 to 50 years .....	5
From 50 to 60 years .....	2
From 60 to 70 years .....	8
From 70 to 80 years .....	17
From 80 to 90 years .....	3
From 90 to 100 years .....	2
Age not stated .....	1
Total .....	107

## Births.

White .....	23
Negroes .....	0
Total .....	23
Males .....	3
Females .....	20
Total .....	23

## Marriages.

White .....	45
Negroes .....	1
Total .....	46
Still Born .....	2

Second Quarter, ending December 31, 1896.

## Marriages, Births and Deaths.

Alcoholism .....	0
Croup .....	4
Cholera Morbus .....	0
Cholera Infantum .....	3
Cerebro Spinal Meningitis .....	1
Diarrhœa .....	0
Dysentery .....	0
Diphtheria .....	0
Erysipelas .....	0
Measles .....	0
Puerperal Fever .....	0
Pyæmia .....	0
Rheumatism .....	0
Scarlet Fever .....	1
Small Pox .....	0
Syphilis (Congenital) .....	0
Syphilis .....	
Septicæmia .....	
Tonsilitis .....	
Typhoid Fever .....	
Whooping Cough .....	
Zymotics .....	
Typho-malarial Fever .....	
Typhoid Pneumonia .....	
Cancer .....	
Consumption .....	
Meningitis .....	
Marasmus .....	
Inanition .....	
Bright's Disease .....	

Bronchitis .....	
Heart Disease .....	
Pneumonia .....	
Accidents .....	
Accidents on Railroads .....	
Disease of the Brain .....	
Disease of the Bowels .....	
Paralysis .....	
Dropsy .....	
General Debility .....	
Congestive Chill .....	
Child Birth .....	
Burned .....	
Gastro Enteritis .....	
Drowned .....	
Malaria Fever ..	
Convulsions .....	2
Diseases not stated .....	1
All other diseases .....	11
	<hr/>
Total .....	81

## Decedents.

White .....	74
Negro .....	7
	<hr/>
Total .....	81
Males .....	41
Females .....	40
	<hr/>
Total .....	81

## Ages of the Decedents.

Under 1 year .....	11
From 1 to 5 years .....	7
From 5 to 10 years .....	2
From 10 to 20 years .....	8
From 20 to 30 years .....	8
From 30 to 40 years .....	3

From 40 to 50 years .....	5
From 50 to 60 years .....	10
From 60 to 70 years .....	18
From 70 to 80 years .....	7
From 80 to 90 years .....	2
	<hr/>
Total .....	81

## Births.

White .....	11
Negro .....	0
Total .....	11
	<hr/>
Males .....	7
Females .....	4
	<hr/>
Total .....	11

## Marriages.

White .....	48
Negro .....	2
	<hr/>
Total .....	50
Brought here for interment .....	1

Third Quarter, ending March 31, 1897.

## Marriages, Births and Deaths.

Alcoholism .....	0
Croup .....	4
Cholera Morbus .....	0
Cholera Infantum .....	2
Cerebro Spinal Meningitis .....	0
Diarrhœa .....	1
Dysentery .....	1
Diphtheria .....	2
Erysipelas .....	0
Measles .....	0
Puerperal Fever .....	0



Pyæmia .....	0
Rheumatism .....	0
Scarlet Fever .....	2
Small Pox .....	0
Syphilis (Congenital) .....	0
Syphilis .....	0
Septicæmia .....	1
Tonsilitis .....	1
Typhoid Fever .....	1
Whooping Cough .....	1

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Zymotics .....	16
Typho-malarial Fever .....	0
Typhoid Pneumonia .....	0
Cancer .....	3
Consumption .....	16
Meningitis .....	0
Marasmus .....	1
Inanition .....	0
Bright's Disease .....	2
Bronchitis .....	0
Heart Disease .....	8
Pneumonia .....	10
Accidents .....	3
Accidents on Railroads .....	0
Disease of the Brain .....	5
Disease of the Bowels .....	1
Convulsions .....	1
Old Age and General Debility .....	10
Drowned .....	1
Paralysis .....	3
Dropsy .....	4
Peritonitis .....	1
Congestion of Lungs .....	2
Burned .....	1
Pleurisy .....	1
Murder .....	1

All other diseases .....	18
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Total .....	108
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## Decedents.

Whites .....	94
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Negroes .....	14
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Total .....	108
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Males .....	40
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Females .....	68
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Total .....	108
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Born in the United States .....	106
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Foreign Born .....	2
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Total .....	108
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## Ages of the Decedents.

Under 1 year .....	11
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From 1 to 5 years .....	13
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From 5 to 10 years .....	4
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From 10 to 20 years .....	7
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From 20 to 30 years .....	5
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From 30 to 40 years .....	10
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From 40 to 50 years .....	8
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From 50 to 60 years .....	4
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From 60 to 70 years .....	14
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From 70 to 80 years .....	25
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From 80 to 90 years .....	3
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From 90 to 100 years .....	0
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Age not stated .....	4
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Total .....	108
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## Births.

White .....	191
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Negro .....	3
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Total .....	194
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Males .....	107
Females .....	87
	<hr/>
Total .....	194

## Marriages.

White .....	152
Negro .....	4
	<hr/>
Total .....	156
Still Born .....	4
Brought here for interment .....	8

Fourth Quarter, Ending June 30, 1897.

## Marriages, Births and Deaths.

Alcoholism .....	0
Croup .....	1
Cholera Morbus .....	0
Cholera Infantum .....	9
Cerebro Spinal Meningitis .....	0
Diarrhoea .....	0
Dysentery .....	0
Diphtheria .....	3
Erysipelas .....	0
Measles .....	1
Puerperal Fever .....	0
Pyæmia .....	1
Rheumatism .....	1
Scarlet Fever .....	0
Small Pox .....	0
Syphilis (Congenital) .....	0
Syphilis .....	0
Septicæmia .....	1
Tonsilitis .....	0
Typhoid Fever .....	2
Whooping Cough .....	1
	<hr/>
Zymotics .....	20

Typho-malarial Fever .....	5
Typhoid Pneumonia .....	0
Cancer .....	2
Consumption .....	51
Meningitis .....	3
Marasmus .....	4
Inanition .....	2
Bright's Disease .....	1
Bronchitis .....	0
Heart Disease .....	14
Pneumonia .....	14
Accidents .....	0
Accidents on Railroads .....	0
Disease of the Brain .....	9
Disease of the Bowels .....	4
Convulsions .....	3
Peritonitis .....	3
Drowned .....	7
Dropsy .....	6
Old Age .....	12
Paralysis .....	9
Child Birth .....	4
Killed by Lightning .....	2
Broken Thigh .....	1
Burned .....	3
Hanged (Murder) .....	1
Angina Pectoris .....	1
All other diseases .....	19
Diseases not given .....	5
<hr/>	
Total .....	205

## Decedents.

White .....	128
Negro .....	77
<hr/>	
Total .....	205
Males .....	100

Females .....	105
Total .....	205
Born in the United States .....	205

## Ages of the Decedents.

Under 1 year .....	28
From 1 to 5 years .....	19
From 5 to 10 years .....	6
From 10 to 20 years .....	25
From 20 to 30 years .....	17
From 30 to 40 years .....	13
From 40 to 50 years .....	12
From 50 to 60 years .....	18
From 60 to 70 years .....	30
From 70 to 80 years .....	18
From 80 to 90 years .....	11
From 90 to 100 years .....	1
Age not stated .....	7
Total .....	205

## Births.

White .....	105
Negro .....	3
Total .....	108
Males .....	62
Females .....	46
Total .....	108

## Marriages.

White .....	58
Negro .....	2
Total .....	60
Still Born .....	2
Brought here for interment .....	14

## RECAPITULATION

Of Marriages, Births and Deaths in Sussex County for the year  
ending June 30, 1897.

	1st. $\frac{1}{4}$	2d. $\frac{1}{4}$	3d. $\frac{1}{4}$	4th. $\frac{1}{4}$	To'l
Alcoholism .....	0	0	0	0	0
Croup .....	0	4	4	1	9
Carbuncle .....	0	0	0	0	0
Cholera Morbus .....	0	0	0	0	0
Cholera Infantum .....	14	3	2	9	28
Cerebro Spinal Meningitis	0	1	0	0	1
Diarrhœa .....	0	0	1	0	1
Dysentery .....	1	0	1	0	2
Diphtheria .....	0	0	2	3	5
Erysipelas .....	0	0	0	0	0
Intermittent Fever .....	0	0	0	0	0
Measles .....	0	0	0	1	1
Purpura .....	0	0	0	0	0
Puerperal Fever .....	2	0	0	0	2
Pyæmia .....	0	0	0	1	1
Remittent Fever .....	1	0	0	0	1
Rheumatism .....	0	0	0	1	1
Scarlet Fever .....	0	1	2	0	3
Small Pox .....	0	0	0	0	0
Syphilis (Congenital) .....	0	0	0	0	0
Syphilis .....	0	0	0	0	0
Septicæmia .....	1	1	1	1	4
Tonsillitis .....	0	0	1	0	1
Typhoid Fever .....	6	3	1	2	12
Whooping Cough .....	1	0	1	1	3
<hr/>					
Zymotics .....	26	13	16	20	75
Typho-malarial Fever .....	0	0	0	5	5
Typhoid Pneumonia .....	0	0	0	0	0
Cancer .....	0	6	2	2	10
Consumption .....	19	13	16	51	99
Meningitis .....	0	1	0	3	4
Marasmus .....	2	1	1	4	8
Inanition .....	1	0	0	2	3

	1st. $\frac{1}{4}$	2d. $\frac{1}{4}$	3d. $\frac{1}{4}$	4th. $\frac{1}{4}$	To'
Bright's Disease .....	0	4	2	1	7
Bronchitis .....	1	0	0	0	1
Heart Disease .....	9	3	8	14	34
Pneumonia .....	3	2	10	14	29
Accidents .....	1	1	3	0	5
Accidents on Railroads ...	0	0	0	0	0
Disease of the Brain .....	1	2	5	9	17
Disease of the Bowels ....	4	0	1	4	9
Paralysis .....	1	5	3	9	18
General Debility .....	8	7	10	12	37
Old Age .....	0	0	0	0	0
Drowned .....	4	0	1	7	13
Convulsions .....	2	2	1	3	8
Peritonitis .....	0	0	0	0	0
Malarial Fever .....	2	1	0	0	3
Dropsy .....	4	2	4	6	16
Tetanus .....	1	0	0	0	1
Entero Colitis .....	2	0	0	0	2
Peritonitis .....	3	0	1	3	7
Appendicitis .....	1	0	0	0	1
Burned .....	1	1	1	3	6
Premature Births .....	1	0	0	0	1
All other diseases .....	10	11	18	19	58
<hr/>					
Total .....	107				
Congestive Chill .....		1	0	0	1
Child Birth .....		1	0	4	5
Gastro Enteritis .....		2	0	0	2
Disease not stated .....		1	0	5	6
<hr/>					
Total . . . . .		81			
Congestion of Lungs ....			2	0	2
Pleurisy .....			1	0	1
Murder .....			1	0	1
<hr/>					
Total .....			108		
Killed by Lightning .....				2	2
Broken Thigh .....				1	1

Hanged, (Murder) .....	1	1
Angina Pectoris .....	1	1
	<hr/>	<hr/>
Total .....	205	501

## Decedents.

White .....	380
Negro .....	121
	<hr/>
Total .....	501
Males .....	232
Females .....	269
	<hr/>
Total .....	501
Born in the United States .....	499
Foreign Born .....	2
	<hr/>
Total .....	501

## Ages of the Decedents.

Under 1 year .....	81
From 1 to 5 years .....	47
From 5 to 10 years .....	16
From 10 to 20 years .....	46
From 20 to 30 years .....	43
From 30 to 40 years .....	33
From 40 to 50 years .....	30
From 50 to 60 years .....	34
From 60 to 70 years .....	70
From 70 to 80 years .....	67
From 80 to 90 years .....	19
From 90 to 100 years .....	3
Age not given .....	12
	<hr/>
Total .....	501

## Births for the Same Period.

White .....	330
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Negro .....	6
Total .....	<u>336</u>
Males .....	179
Females .....	<u>157</u>
Total .....	336

## Marriages.

White .....	303
Negro .....	<u>9</u>
Total .....	312
Still Births .....	8
Brought here for interment .....	23

## Deaths.

First quarter deaths .....	107
Second quarter deaths .....	81
Third quarter deaths .....	108
Fourth quarter deaths .....	<u>205</u>
Total deaths .....	501
Births .....	<u>336</u>

Deaths exceed the births by .....165

Total Deaths in Sussex County for the Year ending  
June 30, 1897.

First quarter .....	107
Second quarter .....	81
Third quarter .....	108
Fourth quarter .....	<u>205</u>
Total .....	501
Zymotics .....	<u>75</u>
All other diseases .....	426
Zymotics .....	26

Zymotics .....	13
Zymotics .....	16
Zymotics .....	20
Total .....	75

	Deaths.	Zymotics.
As compared with 1895 .....	396	65
As compared with 1896 .....	520	95
Population of Kent County, census 1890, 38,647.		
Annual death rate in the 1000 inhabitants, 10.22.		
Percentage of deaths from zymotic disease, 13.87.		
Population of the State, Census 1890.		
New Castle County .....	97,182	
Kent County .....	32,664	
Sussex County .....	38,647	
Total .....	168,493	

### MORTUARY REPORT.

In the State of Delaware for the Year Ending June 30, 1897.

#### Recapitulation.

	Marriages.	Births.	Deaths.
New Castle County .....	520	1506	1625
Kent County .....	207	104	506
Sussex County .....	312	336	501
Total .....	1039	1946	2632
Compared with 1896 .....	561	1629	1638

#### Consumption.

	1896.	1897.
New Castle County .....	83	95
Kent County .....	45	42
Sussex County .....	32	67
Total .....	160	204
Population in the State of Delaware, census of 1890, 168,493.		

## NEW CASTLE COUNTY.

First Quarter, ending September 30, 1897.

## Marriages, Births and Deaths.

Alcoholism .....	0
Croup .....	1
Cholera Morbus .....	0
Cholera Infantum .....	29
Cerebro Spinal Meningitis .....	4
Diarrhœa .....	1
Dysentery .....	10
Diphtheria .....	22
Erysipelas .....	0
Measles .....	0
Puerperal Fever .....	4
Pyæmia .....	0
Rheumatism .....	1
Scarlet Fever .....	0
Small Pox .....	0
Syphilis (Congenital) .....	0
Syphilis .....	0
Septicæmia .....	0
Tonsilitis .....	1
Typhoid Fever .....	13
Whooping Cough .....	2
<hr/>	
Zymotics .....	88
Typho-malarial Fever .....	4
Typhoid Pneumonia .....	0
Cancer .....	6
Consumption .....	37
Meningitis .....	10
Marasmus .....	24
Inanition .....	25
Bright's Disease .....	17
Bronchitis .....	2
Heart Disease .....	32
Pneumonia .....	10

Accidents .....	5
Accidents on Railroads .....	8
Disease of the Brain .....	33
Disease of the Bowels .....	26
Convulsions .....	12
General Debility and Old Age .....	17
Enterocolitis .....	6
Drowned .....	7
Burned .....	5
Tetanus .....	4
Congestion of Lungs .....	3
Appendicitis .....	5
Premature Births .....	8
Gun Shot Wound .....	1
Peritonitis .....	5
Paralysis .....	9
Suicide .....	2
La Grippe .....	1
All other diseases .....	50
Total .....	<hr/> 462

## Decedents.

White .....	356
Negro .....	106
Total .....	<hr/> 462
Males .....	240
Females .....	222
Total .....	<hr/> 462
Born in the United States .....	402
Foreign Born .....	60
Total .....	<hr/> 462

## Ages of the Decedents.

Under 1 year .....	120
From 1 to 5 years .....	54

From 5 to 10 years .....	13
From 10 to 20 years .....	33
From 20 to 30 years .....	31
From 30 to 40 years .....	40
From 40 to 50 years .....	32
From 50 to 60 years .....	36
From 60 to 70 years .....	32
From 70 to 80 years .....	43
From 80 to 90 years .....	16
From 90 to 100 years .....	1
Over 100 years .....	1
Age not stated .....	10
Total .....	462

## Births.

White .....	299
Negroes .....	27
Total .....	326
Males .....	172
Females .....	154
Total .....	326

## Marriages.

White .....	111
Negro .....	22
Total .....	133
Still Born .....	22
Brought here for interment .....	33

Second Quarter, Ending December 31, 1897.

## Marriages, Births and Deaths.

Alcoholism .....	0
Croup .....	8
Cholera Morbus .....	0

Cholera Infantum .....	1
Cerebro Spinal Meningitis .....	1
Diarrhoea .....	1
Dysentery .....	0
Diphtheria .....	42
Erysipelas .....	2
Measles .....	0
Puerperal Fever .....	3
Pyæmia .....	1
Rheumatism .....	0
Scarlet Fever .....	3
Small Pox .....	0
Syphilis (Congenital) .....	1
Syphilis .....	0
Septicæmia .....	2
Tonsilitis .....	0
Typhoid Fever .....	11
Whooping Cough .....	6
<hr/>	
Zymotics .....	82
Typho-malarial Fever .....	1
Typhoid Pneumonia .....	0
Cancer .....	6
Consumption .....	40
Meningitis .....	9
Marasmus .....	14
Inanition .....	10
Bright's Disease .....	11
Bronchitis .....	8
Heart Disease .....	24
Pneumonia .....	32
Accidents .....	4
Accidents on Railroads .....	8
Disease of the Brain .....	23
Disease of the Bowels .....	11
Paralysis .....	11
Convulsions .....	4
General Debility and Old Age .....	19
Congestion of the Lungs .....	6
Drowned .....	4

Burned .....	4
Tetanus .....	1
Murdered .....	1
Peritonitis .....	1
Suicide .....	2
Entero Colitis .....	2
Premature Births .....	10
Appendicitis .....	1
Child Birth .....	2
All other diseases .....	45
Total .....	<hr/> 396

## Decedents.

White .....	319
Negro .....	77
Total .....	<hr/> 396
Males .....	217
Females .....	179
Total .....	<hr/> 396
Born in the United States .....	347
Foreign Born .....	49
Total .....	<hr/> 396

## Ages of the Decedents.

Under 1 year .....	78
From 1 to 5 years .....	59
From 5 to 10 years .....	24
From 10 to 20 years .....	20
From 20 to 30 years .....	45
From 30 to 40 years .....	35
From 40 to 50 years .....	21
From 50 to 60 years .....	25
From 60 to 70 years .....	41
From 70 to 80 years .....	28
From 80 to 90 years .....	14

From 90 to 100 years .....	1
Age not stated .....	5
Total .....	396

## Births.

White .....	482
Negroes .....	28
Total .....	510
Males .....	307
Females .....	203
Total .....	510

## Marriages.

White .....	168
Negro .....	31
Total .....	199
Still Born .....	18
Brought here for interment .....	32

## Third and Fourth Quarters, Ending June 30, 1898.

## Marriages, Births and Deaths.

Alcoholism .....	3
Croup .....	18
Cholera Morbus .....	1
Cholera Infantum .....	11
Cerebro Spinal Meningitis .....	11
Diarrhoea .....	2
Dysentery .....	0
Diphtheria .....	41
Erysipelas .....	0
Measles .....	7
Puerperal Fever .....	0
Pyæmia .....	3
Rheumatism .....	2



Bronchitis .....	12
Scarlet Fever .....	3
Small Pox .....	0
Syphilis (Congenital) .....	0
Syphilis .....	1
Septicæmia .....	10
Tonsilitis .....	0
Typhoid Fever .....	13
Whooping Cough .....	9
<hr/>	
Zymotics .....	131
Typho-malarial Fever .....	4
Typhoid Pneumonia .....	3
Cancer .....	25
Consumption .....	85
Meningitis .....	20
Marasmus .....	28
Inanition .....	23
Bright's Disease .....	27
Heart Disease .....	67
Pneumonia .....	120
Accidents .....	9
Accidents on Railroads .....	16
Disease of the Brain .....	72
Disease of the Bowels .....	28
General Debility and Old Age .....	33
Peritonitis .....	10
Convulsions .....	26
Drowned .....	6
Dropsy .....	6
Paralysis .....	25
Suicide .....	4
Congestion of Lungs .....	12
Natural Causes .....	9
La Grippe .....	3
Tetanus .....	2
Entero Colitis .....	1
Premature Birth .....	15
Appendicitis .....	3

Puerperal Fever .....	2
Insanity .....	1
All other diseases .....	104
<b>Total .....</b>	<b>933</b>

## Decedents.

White .....	762
Negro .....	171
<b>Total .....</b>	<b>933</b>
Males .....	466
Females .....	467
<b>Total .....</b>	<b>933</b>
Born in the United States .....	821
Foreign Born .....	112
<b>Total .....</b>	<b>933</b>

## Ages of the Decedents.

Under 1 year .....	195
From 1 to 5 years .....	157
From 5 to 10 years .....	39
From 10 to 20 years .....	37
From 20 to 30 years .....	73
From 30 to 40 years .....	70
From 40 to 50 years .....	61
From 50 to 60 years .....	79
From 60 to 70 years .....	79
From 70 to 80 years .....	97
From 80 to 90 years .....	33
From 90 to 100 years .....	2
Age not stated .....	11
<b>Total .....</b>	<b>933</b>

## Births.

White .....	573
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Negro .....	61
Color not given .....	1
Total .....	635
Males .....	334
Females .....	300
Sex not given .....	1
Total .....	635

## Marriages.

White .....	291
Negro .....	41
Total .....	332
Still Born .....	41
Brought here for interment .....	69

The Mortuary Report for the first quarter in the year was not made, owing to a change of Registrars in the City Department.

## RECAPITULATION

Of Marriages, Births and Deaths in New Castle County for the  
Year Ending June 30, 1898.

	1st. $\frac{1}{4}$	2d. $\frac{1}{4}$	3d. $\frac{1}{4}$	4th. $\frac{1}{4}$	To't
Alcoholism .....	0	0	3	0	3
Croup .....	1	8	18	0	27
Carbuncle .....	0	0	0	0	0
Cholera Morbus .....	0	0	1	0	1
Cholera Infantum .....	29	1	11	0	41
Cerebro Spinal Meningitis	4	1	6	0	11
Diarrhoea .....	1	1	2	0	4
Dysentery .....	10	0	0	0	10
Diphtheria .....	41	42	41	0	105
Erysipelas .....	0	2	0	0	2
Intermittent Fever .....	0	0	0	0	0
Measles .....	0	0	7	0	7
Purpura .....	0	0	0	0	0

	1st. $\frac{1}{4}$	2d. $\frac{1}{4}$	3d. $\frac{1}{4}$	4th. $\frac{1}{4}$	To'l
Puerperal Fever .....	4	3	2	0	9
Pyæmia .....	0	1	3	0	4
Remittent Fever .....	0	0	0	0	0
Rheumatism .....	1	0	2	0	3
Scarlet Fever .....	0	3	3	0	6
Small Pox .....	0	0	0	0	0
Syphilis (Congenital) ....	0	1	0	0	1
Syphilis .....	0	0	1	0	1
Septicæmia .....	0	2	10	0	12
Tonsillitis .....	1	0	1	0	2
Typhoid Fever .....	13	11	13	0	37
Whooping Cough .....	2	6	9	0	17
<hr/>					
Zymotics .....	88	82	131	0	301
Typho-malarial Fever ...	4	1	4	0	9
Typhoid Pneumonia .....	0	0	3	0	3
Cancer .....	6	6	25	0	37
Consumption .....	37	40	85	0	162
Meningitis .....	10	9	20	0	39
Marasmus .....	24	14	28	0	66
Inanition .....	25	10	23	0	58
Bright's Disease .....	17	11	27	0	55
Bronchitis .....	2	8	12	0	22
Heart Disease .....	32	24	67	0	123
Pneumonia .....	10	32	120	0	162
Accidents .....	5	4	9	0	18
Accidents on Railroads ..	8	8	16	0	32
Disease of the Brain .....	33	23	72	0	128
Disease of the Bowels ...	26	11	28	0	65
Convulsions .....	12	4	26	0	42
General Debility .....	17	19	33	0	69
Old Age .....	0	0	0	0	0
Entero Colitis .....	6	2	2	0	10
Drowned .....	7	4	6	0	17
Burned .....	5	4	0	0	9
Tetanus .....	4	1	2	0	7
Congestion of Lungs ....	3	6	12	0	21
Appendicitis .....	5	1	3	0	9
Premature Births .....	8	10	15	0	33

	1st. $\frac{1}{4}$	2d. $\frac{1}{4}$	3d. $\frac{1}{4}$	4th. $\frac{1}{4}$	To'
Gunshot Wound . . . . .	1	0	0	0	1
Peritonitis . . . . .	5	1	10	0	16
Paralysis . . . . .	9	11	25	0	45
Suicide . . . . .	2	2	4	0	8
La Grippe . . . . .	1	0	3	0	4
All other diseases . . . . .	50	45	104	0	199
Total . . . . .	<hr/> 462				
Murder . . . . .		1	0	0	1
Child Birth . . . . .		2	0	2	2
Total . . . . .		<hr/> 396			
Dropsy . . . . .				6	6
Natural Causes . . . . .				9	9
Insanity . . . . .				1	1
Total . . . . .				<hr/> 933 1791	

## Decedents.

White . . . . .	1437
Negro . . . . .	354
Total . . . . .	<hr/> 1791
Males . . . . .	923
Females . . . . .	868
Total . . . . .	<hr/> 1791
Born in the United States . . . . .	1570
Foreign Born . . . . .	221
Total . . . . .	<hr/> 1791

## Ages of the Decedents.

Under 1 year . . . . .	393
From 1 to 5 years . . . . .	270
From 5 to 10 years . . . . .	76
From 10 to 20 years . . . . .	90
From 20 to 30 years . . . . .	149

From 30 to 40 years .....	145
From 40 to 50 years .....	114
From 50 to 60 years .....	140
From 60 to 70 years .....	152
From 70 to 80 years .....	168
From 80 to 90 years .....	63
From 90 to 100 years .....	4
Over 100 years .....	1
Age not given .....	26
Total .....	<u>1791</u>

#### Births for the Same Period.

White .....	1354
Negro .....	116
Color not given .....	1
Total .....	<u>1471</u>
Males .....	813
Females .....	<u>657</u>
Total .....	1471

#### Marriages.

White .....	570
Negro .....	<u>94</u>
Total .....	664
Still Births .....	81
Brought here for interment .....	134

#### Total Deaths in New Castle County for the Year Ending June 30, 1898.

First quarter .....	462
Second quarter .....	396
Third quarter and Fourth quarter .....	<u>933</u>
Total .....	1791

Zymotics .....	301	
All other diseases .....	1490	
Zymotics .....	88	
Zymotics .....	82	
Zymotics .....	131	
Total .....	301	
	Deaths.	Zymotics.
As compared with 1896 .....	1638	221
As compared with 1897 .....	1625	221
Total deaths in 1898 .....		1791
Total births in 1898 .....		1471
Deaths exceed the births by .....		320

Population of New Castle County, census 1890, 97,182.

Annual death rate in the 1,000 inhabitants, 16.85.

Percentage of deaths from zymotic diseases, 13.49.

## KENT COUNTY.

First Quarter, Ending September 30, 1897.

### Marriages, Births and Deaths.

Alcoholism .....	0
Croup .....	1
Cholera Morbus .....	0
Cholera Infantum .....	20
Cerebro Spinal Meningitis .....	0
Diarrhœa .....	0
Dysentery .....	2
Diphtheria .....	9
Erysipelas .....	0
Measles .....	0
Puerperal Fever .....	0
Pyæmia .....	0

Rheumatism .....	0
Scarlet Fever .....	0
Small Pox .....	0
Syphilis (Congenital) .....	0
Syphilis .....	1
Septicæmia .....	1
Tonsilitis .....	0
Typhoid Fever .....	0
Whooping Cough .....	0

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Zymotics .....	33
Typho-malarial Fever .....	0
Typhoid Pneumonia .....	0
Cancer .....	4
Consumption .....	9
Meningitis .....	0
Marasmus .....	2
Inanition .....	0
Bright's Disease .....	2
Bronchitis .....	0
Heart Disease .....	2
Pneumonia .....	1
Accidents .....	0
Accidents on Railroads .....	0
Disease of the Brain .....	4
Disease of the Bowels .....	4
General Debility and Old Age .....	6
Paralysis .....	4
Abortion .....	1
Unknown .....	2
All other diseases .....	7

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Total .....	81
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## Decedents.

Whites .....	42
Negro .....	39

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Total .....	81
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Males .....	36
Females .....	45
	<hr/>
Total .....	81
Born in the United States .....	81

## Ages of the Decedents.

Under 1 year .....	30
From 1 to 5 years .....	11
From 5 to 10 years .....	4
From 10 to 20 years .....	7
From 20 to 30 years .....	0
From 30 to 40 years .....	2
From 40 to 50 years .....	9
From 50 to 60 years .....	4
From 60 to 70 years .....	6
From 70 to 80 years .....	3
From 80 to 90 years .....	0
From 90 to 100 years .....	2
Over 100 years .....	1
Age not stated .....	2
	<hr/>
Total .....	81

## Births.

White .....	24
Negro .....	7
	<hr/>
Total .....	31
Males .....	16
Females .....	15
	<hr/>
Total .....	31

## Marriages.

White .....	32
Negro .....	5
Total .....	37

Still Born .....	2
Brought here for interment .....	3

Second Quarter, ending December 31, 1898.

Marriages, Births and Deaths.

Alcoholism .....	0
Croup .....	2
Cholera Morbus .....	0
Cholera Infantum .....	4
Cerebro Spinal Meningitis .....	1
Diarrhœa .....	2
Dysentery .....	0
Diphtheria .....	4
Erysipelas .....	0
Measles .....	0
Puerperal Fever .....	0
Pyæmia .....	0
Rheumatism .....	1
Scarlet Fever .....	0
Small Pox .....	0
Syphilis (Congenital) .....	0
Syphilis .....	0
Septicæmia .....	0
Tonsilitis .....	0
Typhoid Fever .....	5
Whooping Cough .....	0

Zymotics .....	19
Typho-malarial Fever .....	0
Typhoid Pneumonia .....	0
Cancer .....	3
Consumption .....	11
Meningitis .....	0
Marasmus .....	1
Inanition .....	0
Bright's Disease .....	2
Bronchitis .....	1
Heart Disease .....	6
Pneumonia .....	2

Accidents .....	0
Accidents on Railroads .....	1
Disease of the Brain .....	7
Disease of the Bowels .....	2
Convulsions .....	1
La Grippe .....	3
Abortion .....	1
Dropsy .....	1
Angina Pectoris .....	2
Old Age and General Debility .....	10
Killed by an explosion .....	1
Accident, own rifle shot .....	1
Malaria Fever .....	1
Paralysis .....	1
Drowned .....	2
Kicked by a horse .....	1
All other diseases .....	12
<hr/>	
Total .....	92

## Decedents.

White .....	70
Negro .....	22
<hr/>	
Total .....	92
Males .....	38
Females .....	54
<hr/>	
Total .....	92

## Ages of the Decedents.

Under 1 year .....	6
From 1 to 5 years .....	5
From 5 to 10 years .....	4
From 10 to 20 years .....	7
From 20 to 30 years .....	9
From 30 to 40 years .....	5
From 40 to 50 years .....	7
From 50 to 60 years .....	10

From 60 to 70 years .....	10
From 70 to 80 years .....	14
From 80 to 90 years .....	9
From 90 to 100 years .....	1
Age not stated .....	5
Total .....	92

## Births.

White .....	78
Negro .....	13
Total .....	91
Males .....	38
Females .....	53
Total .....	91

## Marriages.

White .....	92
Negro .....	14
Total .....	106
Still Born .....	3
Brought here for interment .....	4

## Third Quarter, Ending March 31, 1898.

## Marriages, Births and Deaths.

Alcoholism .....	1
Croup .....	1
Cholera Morbus .....	0
Cholera Infantum .....	0
Cerebro Spinal Meningitis .....	0
Diarrhoea .....	1
Dysentery .....	2
Diphtheria .....	3
Erysipelas .....	0
Measles .....	0

Puerperal Fever .....	0
Pyæmia .....	0
Rheumatism .....	1
Scarlet Fever .....	0
Small Pox .....	0
Syphilis (Congenital) .....	0
Syphilis .....	0
Septicæmia .....	0
Tonsilitis .....	0
Typhoid Fever .....	7
Whooping Fever .....	1
<hr/>	
Zymotics .....	17
Typho-malarial Fever .....	1
Typhoid Pneumonia .....	1
Cancer .....	4
Consumption .....	20
Meningitis .....	1
Marasmus .....	0
Inanition .....	1
Bright's Disease .....	5
Bronchitis .....	5
Heart Disease .....	11
Pneumonia .....	14
Accidents .....	3
Accidents on Railroads .....	0
Disease of the Brain .....	8
Disease of the Bowels .....	6
Old Age .....	13
Blue Baby .....	1
Paralysis .....	5
La Grippe .....	2
Congestion of Lungs .....	2
Child Birth .....	1
Jaundice .....	1
Pleurisy .....	1
Convulsions .....	1
Premature Birth .....	1
Diseases not given .....	1

All other Diseases .....	17
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Total .....	143
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## Decedents.

White .....	104
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Negro .....	39
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Total .....	143
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Males .....	77
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Females .....	66
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Total .....	143
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Born in the United States.....	139
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Foreign Born .....	4
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Total .....	143
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## Ages of the Decedents.

Under 1 year .....	15
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From 1 to 5 years .....	13
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From 5 to 10 years .....	3
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From 10 to 20 years .....	7
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From 20 to 30 years .....	11
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From 30 to 40 years .....	0
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From 40 to 50 years .....	6
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From 50 to 60 years .....	16
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From 60 to 70 years .....	26
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From 70 to 80 years .....	22
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From 80 to 90 years .....	6
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From 90 to 100 years .....	3
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Ages not stated .....	9
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Total .....	143
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## Births.

White .....	18
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Negro .....	0
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Total .....	18
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Males .....	6
Females .....	12
Total .....	18

## Marriages.

White .....	3
Negro .....	15
Total .....	18
Still Born .....	3
Brought here for interment .....	10

## Fourth Quarter, Ending June 30, 1898.

## Marriages, Births and Deaths.

Alcoholism .....	2
Croup .....	0
Cholera Morbus .....	0
Cholera Infantum .....	7
Cerebro Spinal Meningitis .....	0
Diarrhœa .....	0
Dysentery .....	1
Diphtheria .....	2
Erysipelas .....	2
Measles .....	1
Puerperal Fever .....	0
Pyæmia .....	0
Rheumatism .....	0
Scarlet Fever .....	0
Small Pox .....	0
Syphilis (Congenital) .....	0
Syphilis .....	0
Septicæmia .....	1
Tonsilitis .....	0
Typhoid Fever .....	0
Whooping Cough .....	0
Zymotics .....	16

Typho-malarial Fever .....	0
Typhoid Pneumonia .....	0
Cancer .....	4
Consumption .....	23
Meningitis .....	1
Marasmus .....	2
Inanition .....	1
Bright's Disease .....	2
Bronchitis .....	0
Heart Disease .....	4
Pneumonia .....	10
Accidents .....	0
Accidents on Railroads .....	0
Disease of the Brain .....	4
Disease of the Bowels .....	4
Convulsions .....	2
General Debility and Old Age .....	5
Carbolic Acid Poison .....	1
Paralysis .....	6
Dropsy .....	2
Appendicitis .....	1
Peritonitis .....	4
Suicide, hanging .....	1
Burned .....	1
Child Birth .....	1
Drowned .....	1
Premature Birth .....	1
All other diseases .....	13
<hr/>	
Total .....	110

## Decedents.

White .....	66
Negro .....	44
<hr/>	
Total .....	110
Males .....	51
Females .....	59
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Total .....	110



Born in the United States ..... 110

#### Ages of the Decedents.

Under 1 year .....	20
From 1 to 5 years .....	11
From 5 to 10 years .....	4
From 10 to 20 years .....	12
From 20 to 30 years .....	7
From 30 to 40 years .....	8
From 40 to 50 years .....	5
From 50 to 60 years .....	9
From 60 to 70 years .....	11
From 70 to 80 years .....	17
From 80 to 90 years .....	2
From 90 to 100 years .....	1
Age not stated .....	3

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Total ..... 110

#### Births.

White .....	4
Negro .....	0

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Total .....	4
Males .....	2
Females .....	2

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Total ..... 4

#### Marriages.

White .....	22
Negro .....	1

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Total .....	23
Still Born .....	3
Brought here for interment .....	14

## RECAPITULATION

Of Marriages, Births and Deaths in Kent County for the year  
ending June 30, 1898.

	1st. $\frac{1}{4}$	2d. $\frac{1}{4}$	3d. $\frac{1}{4}$	4th. $\frac{1}{4}$	To't
Alcoholism .....	0	0	1	2	3
Croup .....	1	2	1	0	4
Carbuncle .....	0	0	0	0	0
Cholera Morbus .....	0	0	0	0	0
Cholera Infantum .....	20	4	0	7	31
Cerebro Spinal Meningitis	0	1	0	0	1
Diarrhœa .....	0	2	1	0	3
Dysentery .....	2	0	2	1	5
Diphtheria .....	9	4	3	2	18
Erysipelas .....	0	0	0	2	2
Intermittent Fever .....	0	0	0	0	0
Measles .....	0	0	0	1	1
Purpura .....	0	0	0	0	0
Puerperal Fever .....	0	0	0	0	0
Pyæmia .....	0	0	0	0	0
Remittent Fever .....	0	0	0	0	0
Rheumatism .....	0	1	1	0	2
Scarlet Fever .....	0	0	0	0	0
Small Pox .....	0	0	0	0	0
Syphilis (Congenital) ....	0	0	0	0	0
Syphilis .....	0	0	0	0	0
Septicæmia .....	1	0	0	1	2
Tonsilitis .....	0	0	0	0	0
Typhoid Fever .....	0	5	7	0	12
Whooping Cough .....	0	0	1	0	1
<hr/>					
Zymotics .....	33	19	17	16	85
Typho-malarial Fever ...	0	0	1	0	1
Typhoid Pneumonia .....	0	0	1	0	1
Cancer .....	4	3	4	4	15
Consumption .....	9	11	20	23	63
Meningitis .....	0	0	1	1	2
Marasmus .....	2	1	0	2	5
Inanition .....	0	0	1	1	2

	1st. $\frac{1}{4}$	2d. $\frac{1}{4}$	3d. $\frac{1}{4}$	4th. $\frac{1}{4}$	To't
Bright's Disease .....	2	2	5	2	11
Bronchitis .....	0	1	5	0	6
Heart Disease .....	2	6	11	4	23
Pneumonia .....	1	2	14	10	27
Accidents .....	0	0	3	0	3
Accidents on Railroads ...	0	1	0	0	1
Disease of the Brain .....	4	7	8	8	23
Disease of the Bowels .....	4	2	6	4	16
General Debility .....	6	10	13	5	34
Old Age .....	0	0	0	0	0
Paralysis .....	4	2	5	6	17
Abortion .....	1	1	0	0	2
Unknown .....	2	0	1	0	3
All other diseases .....	7	12	17	13	49
<hr/>					
Total .....	81				
Convulsions .....		1	1	2	4
La Grippe .....		3	2	0	5
Dropsy .....		2	0	2	4
Angina Pectoris .....		1	0	0	1
Killed by an explosion....		1	0	0	1
Accident, own rifle shot..		1	0	0	1
Malarial Fever .....		1	0	0	1
Drowned .....		1	0	1	2
Killed by a horse .....		1	0	0	1
Total .....		92			
Blue Baby .....			1	0	1
Congestion of Lungs .....			2	0	2
Child Birth .....			1	1	2
Jaundice .....			1	0	1
Pleurisy .....			1	0	1
Premature Birth .....			1	1	2
<hr/>					
Total .....			143		
Carbolic Acid Poison .....				1	1
Appendicitis .....				1	1
Peritonitis .....				4	4
Suicide, hanging .....				1	1

Burned .....	I	I
Total .....	<u>110</u>	<u>426</u>

## Decedents.

White .....	282
Negro .....	<u>144</u>
Total .....	426
Males .....	202
Females .....	<u>224</u>
Total .....	426
Born in the United States .....	420
Foreign Born .....	<u>6</u>
Total .....	426

## Ages of the Decedents.

Under 1 year .....	71
From 1 to 5 years .....	40
From 5 to 10 years .....	15
From 10 to 20 years .....	33
From 20 to 30 years .....	27
From 30 to 40 years .....	21
From 40 to 50 years .....	27
From 50 to 60 years .....	39
From 60 to 70 years .....	53
From 70 to 80 years .....	56
From 80 to 90 years .....	17
From 90 to 100 years .....	7
Over 100 years .....	1
Age not given .....	<u>19</u>
Total .....	426

## Births for the Same Period.

White .....	124
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Negro .....	20
Total .....	144
Males .....	62
Females .....	82
Total .....	144

## Marriages.

White .....	149
Negro .....	35
Total .....	184
Still Births .....	11
Brought here for interment .....	31

Total Deaths in Kent County for the Year Ending  
June 30, 1898.

First quarter .....	81
Second quarter .....	92
Third quarter .....	143
Fourth quarter .....	110

Total .....	426
Zymotics .....	85

All other diseases .....	341
Zymotics .....	33
Zymotics .....	19
Zymotics .....	17
Zymotics .....	16

Total .....	85
Total deaths in 1898 .....	426
Total births in 1898 .....	144

Deaths exceed the births by .....282

	Deaths.	Zymotics.
As compared with 1896 .....	444	73
As compared with 1897 .....	506	101

Population of Kent County, census 1890, 32,664.

Annual death rate in the 1000 inhabitants, 16.37.

Percentage of deaths from zymotic disease, 11.50.

### SUSSEX COUNTY.

First Quarter, ending September 30, 1897.

#### Marriages, Births and Deaths.

Alcoholism .....	0
Croup .....	2
Cholera Morbus .....	0
Cholera Infantum .....	9
Cerebro Spinal Meningitis .....	0
Diarrhœa .....	3
Dysentery .....	2
Diphtheria .....	3
Erysipelas .....	0
Measles .....	0
Puerperal Fever .....	0
Pyæmia .....	0
Rheumatism .....	2
Scarlet Fever .....	2
Small Pox .....	0
Syphilis (Congenital) .....	0
Syphilis .....	0
Septicæmia .....	0
Tonsilitis .....	1
Typhoid Fever .....	10
Whooping Cough .....	1
<hr/>	
Zymotics .....	35
Typho-malarial Fever .....	1
Typhoid Pneumonia .....	1
Cancer .....	4
Consumption .....	38
Meningitis .....	0
Marasmus .....	0