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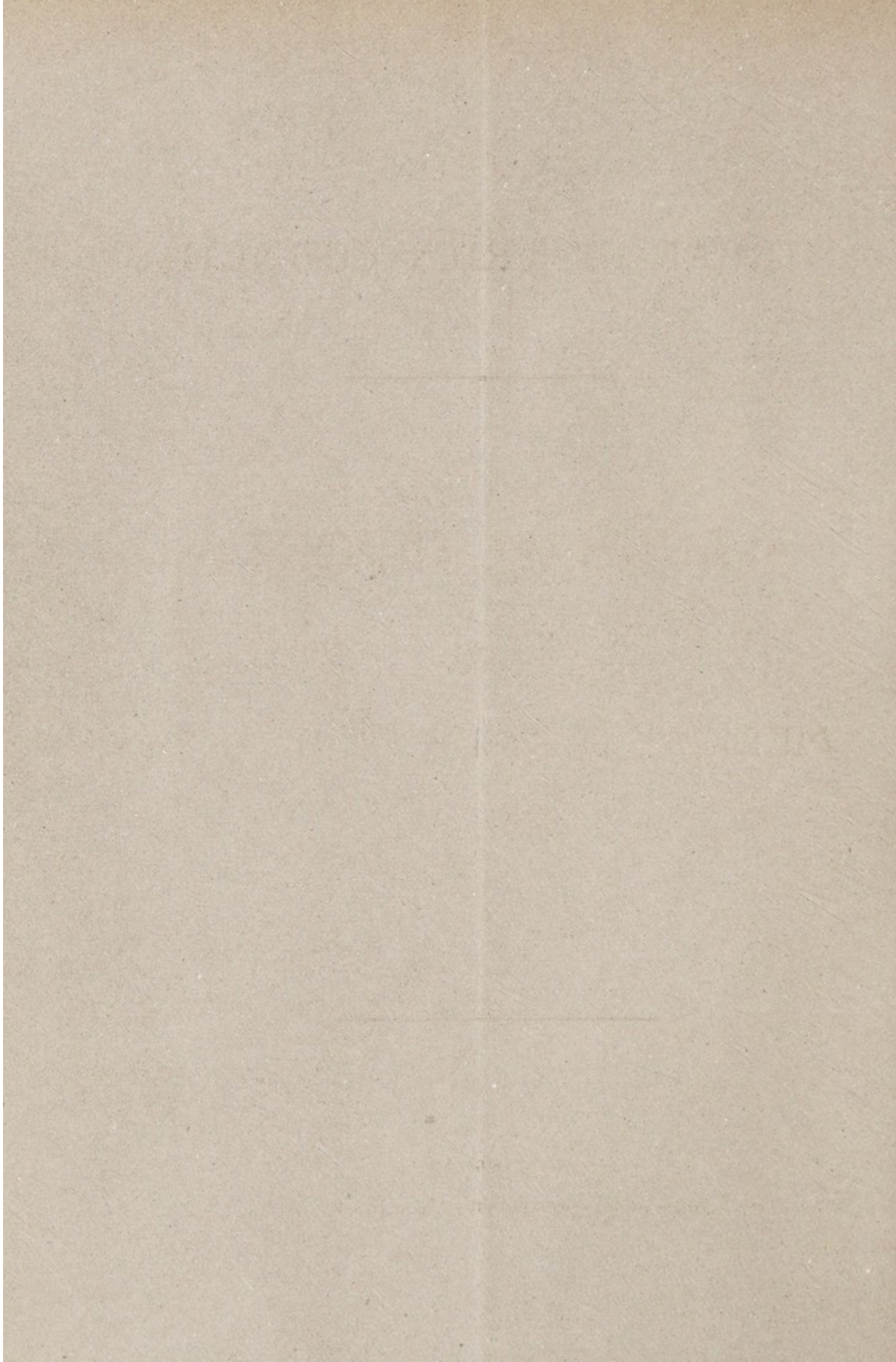
CARLTON
URBAN DISTRICT COUNCIL.

•• ANNUAL REPORT ••

OF THE
MEDICAL OFFICER OF HEALTH

For the Year 1895.

NOTTINGHAM :
JOHN DONCASTER, PRINTER, CARLTON STREET.



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CARLTON URBAN DISTRICT COUNCIL

1895.

CHAIRMAN - Mr. HENRY BARKER, J.P.

VICE-CHAIRMAN - Mr. JOHN LEWIN.

Messrs. T. E. ALDER,
 GEO. ARMSTRONG,
 JNO. BELL,
 WM. BRETTE,
 JNO. GRETTON,
 WM. HUCKERBY,
 GEO. KAYE,

Messrs. FRANK KEYWOOD,
 JAS. MORRIS,
 WALTER SCRIMSHAW,
 ALFD. JAS. SMITH,
 JNO. EDWD. TRUMAN,
 WM. WRENCH.

Clerk - JAS. KIRK CLARK.

Medical Officer of Health - J. T. KNIGHT.

Surveyor - R. WHITBREAD.

Inspector of Nuisances - CHAS. F. BREARLEY.

Collector of General District Rate - WM. STRAW

TO THE CHAIRMAN AND MEMBERS OF THE URBAN
DISTRICT COUNCIL OF CARLTON.

GENTLEMEN,

My estimate of the population of the District at Midsummer, 1895 is 7,300; of Carlton, 4,150, and Netherfield, 3,150.

I think the chief distinction between these two divisions is that there are more old age and poverty in Carlton than in Netherfield.

Tables of statistics of births, deaths, sickness, &c. are presented at the end of this Report. A and B are required by the Local Government Board, who have supplied Forms for the same. I present also another table of statistics for the past ten years for comparison.

At the census taken in the spring of 1891, the population of the District was 6,911; this included the occupants of the new wing of the Borough Asylum, containing, I believe, about 250 persons; these inmates are not now in the Carlton Registrar's District. The following shows the excess of births over deaths, or natural increase of population from the spring of 1891 to Midsummer, 1895.

	Deaths.	Births.	Excess of Births over Deaths.
1891 } excluding 1st quarter } 1892 ..	80	190	110
1893 ..	114	233	119
1894 ..	90	269	179
1895 } up to Midsummer } Totals ..	114	249	135
	75	111	36
	<hr style="width: 100%; border: 0.5px solid black;"/>	<hr style="width: 100%; border: 0.5px solid black;"/>	<hr style="width: 100%; border: 0.5px solid black;"/>
	473	1,052	579
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But independently of this natural increase, there has, to a certain extent, been an immigration of new residents into the District; a number of houses have been erected in Netherfield, and in Carlton on the Porchester Estate and elsewhere—so that my estimate of the population is probably below the mark.

There have been 138 deaths, and a death rate of 18·9, and 225 births, and a birth rate of 30·82. In the previous year the number of deaths was 114, the death rate 16·28, and there were 249 births, and the birth rate was 35·57. The number of births in 1895 was less than that of any one of the past 10 years. The registered births of 1895 consisted of 108 males, and 117 females, as against 132 males, and 117 females in 1894; so that the number of males was 24 less in 1895 than in 1894; and the number of females in each year was exactly the same.

There were 92 deaths in Carlton, and 46 in Netherfield, the death rates having been 22·16 and 14·6 respectively. The death rate for the year was appreciably augmented by the large number of deaths during the first quarter, viz. : 50, due in a great measure to the very inclement season, Influenza being rife, thereby entailing in addition, lack of employment and comforts especially necessary during a period of sickness. Twenty-five of the deaths were due to zymotic causes, including Diarrhœa,—11 in Carlton, and 14 in Netherfield. The zymotic death rates were for the whole district, 3·4, and for Carlton, 2·6, and Netherfield, 4·4.

The deaths from zymotic diseases were as follows :

	Carlton.	Netherfield,
Scarlet Fever.. ..	5	5
Diphtheria	4	1
Membranous Croup ..	0	2
Puerperal Fever	1	0
Erysipelas	0	1
Diarrhœa	1	5
	—	—
Totals	11	14
	—	—

There were 7 deaths from Influenza. 3 inquests, and 3 uncertified deaths. Influenza and other forms of sickness increased greatly immediately after the severe frost of the beginning of the year, probably the sudden thaw liberated accumulated pent-up sewage, which the drains during the severe frost could not carry away.

There have been 40 deaths of children under 1 year of age, that is at the rate of 177 to 1,000 births; of these deaths, 25 occurred in Carlton, and 15 in Netherfield.

Phthisis caused 5 deaths, 3 in Carlton, and 2 in Netherfield; Bronchitis, Pneumonia & Pleurisy, 20 deaths, 8 in Carlton, and 12 in Netherfield; and Heart Disease, 8 deaths,—6 in Carlton, and 2 in Netherfield. As compared with the previous year, I find that Phthisis accounted for 7 fewer deaths in 1895; but other diseases of the lungs caused 5 more deaths, and Heart Disease 4 fewer deaths than in 1894.

There were 34 deaths of persons over 65 years of age, as against 19 only in 1894; of these old people, 26 died in Carlton, and 8 only in Netherfield.

Cancer caused 10 deaths, 8 in Carlton, and 2 in Netherfield; of these 5 were of persons over 60 years of age, and 5 over 40 and under 60 years.

As on previous occasions, I will here epitomize a few leading matters incidental to each quarter of the year, which I have previously enlarged upon in former reports.

1st Quarter.—50 deaths, 61 births; 33 deaths in Carlton, and 17 in Netherfield. Over 60 years of age, 13 deaths, 11 in Carlton, and 2 in Netherfield. Of infants under 1 year of age, 12; in Carlton, 7; in Netherfield, 5. Diseases of respiratory organs, excluding complications of Influenza, caused 13 deaths; 6 in Carlton, and 7 in Netherfield. Influenza, 6 deaths, all in Carlton. Zymotic diseases, 4 in Carlton, and 1 in Netherfield. Scarlet Fever, which again appeared shortly after the schools were re-opened after the Christmas holidays, caused 1 death in Carlton, and 1 in Netherfield. Three deaths from Diphtheria occurred in one house in Carlton; nothing sanitarily wrong being discovered except in the house itself.

2nd Quarter.—Deaths, 25; Births, 50. In Carlton, 21 deaths; in Netherfield, 4 only. Over 60 years of age, 5 deaths; 3 in Carlton, and 2 in Netherfield. Under 1 year of age, 9 deaths, all in Carlton, 4 being due to premature birth. Diseases of respiratory organs caused 3 deaths in Carlton, and 1 in Netherfield; Influenza, 1 in Carlton; Zymotic Disease, 1 in Carlton. There was one fatal case of Diphtheria in Carlton, due to defective drainage, which was remedied. Scarlet Fever extending, schools were closed with marked effect. A case of Typhoid Fever was imported from Lincolnshire into Netherfield; necessary precautions were taken, and no other case occurred at or about that time. The house at the Midland Railway Station was inspected by the Surveyor, Inspector of Nuisances and myself, and condemned; it has since been vacated, and converted into useful offices.

3rd Quarter.—Deaths, 29; Births, 51. Of the deaths, 22 occurred in Carlton, and 7 in Netherfield. Under 1 year of age, 10 deaths; 5 in Carlton, and 5 in Netherfield; over 60 years of age, 9 deaths; 8 in Carlton, and 1 in Netherfield. Diseases of respiratory organs, 3 deaths in Carlton, and 2 in Netherfield. Scarlet Fever, 3 in Carlton. Scarlet Fever, after having practically disappeared at the end of the prolonged midsummer vacation, again became troublesome after the reopening of the schools. Circumstances thus pointed conclusively to the schools being the chief factors in its extension, and with assistance I examined all the pupils at the schools, a few children in an undoubtedly infectious state were detected and sent home, together with any relatives in attendance. There were 3 deaths from Scarlet Fever in Carlton, and 1 death from Croup, and 2 deaths from Diarrhœa in Netherfield. An alleged case of overcrowding was investigated and confirmed, and the nuisance was abated.

4th Quarter.—Deaths, 34,—Births, 63. In Carlton, 15 deaths, and in Netherfield, 19.—Under 1 year of age, 9 deaths,—5 in Carlton, and 4 in Netherfield.—Over 60 years of age, 10 deaths,—6 in Carlton, and 4 in Netherfield. Zymotic diseases caused 12 deaths,—2 in Carlton, and 10 in Netherfield, viz. : Scarlet Fever,—1 in Carlton, and 4 in Netherfield.—Diarrhœa—1 in Carlton, and 3 in Netherfield. Erysipelas,—1 in Netherfield. Membranous Croup,—1 in Netherfield; and Diphtheria,—1 in Netherfield. The fatal cases of Croup and Diphtheria occurred in a house in Manvers Street, where the sanitary arrangements were good, with the exception of the damp condition of the back yard. Compulsory notification came into force on December 2nd, and up to December 31st the following cases were notified :—

		Carlton.	Netherfield.
Scarlatina	..	2	4
Diphtheria	..	0	1
Membranous Croup..		0	1
Typhoid Fever	..	1	2
Erysipelas	..	0	1
		—	—
Totals	..	3	9
		—	—

A notified case of Typhoid Fever occurred in Chesterfield Street ; there was nothing wrong about the premises, the patient worked in a Nottingham Factory. Of 2 notified cases of Typhoid Fever in Netherfield, 1 was in Dennis Street, a deep cesspit trap being the only objectionable feature, which was remedied ; and the other was at Fairview Cottages. This latter patient was removed to the General Hospital, and the premises were inspected by the Inspector of Nuisances, who found them satisfactory.

It is satisfactory to note that there have been but few cases of Typhoid Fever, and no deaths therefrom, in spite of the hot and prolonged summer ; but on the other hand Scarlet Fever has been prevalent more or less during the year except towards the latter part of the prolonged midsummer vacation, when to all appearance it was stamped out, and therefore its reappearance shortly after was very annoying. The Scarlet Fever has been on the whole, mild in character, and consequently overlooked in some instances, and so extension has followed, and complications, of a fatal nature in some instances, occurred.

Amongst preventive measures taken, I may mention in addition to closing the schools for six weeks, and disinfection thereof ; the isolation of the patients and prevention of any children from infected houses attending the schools ; the distribution of printed instructions for preventing its spread ; conspicuously placing on the walls large

^epostors calling attention to the Public Health Act in reference to the exposure of infected persons and things, and the penalties incurred by contraveution of the Act; and disinfection of houses after thorough convalescence by the Council's servant or privately in all known instances.

When examining the children at the public schools, I noticed that a many, though not ill, had silghtly inflamed throats. Such is frequently the case when Diphtheria and Scarlet Fever are existent; and in fact Diphtheria may be of so mild and indefinite a character as to be unrecognizable as such. Therefore where inflamed throats, however mild abound, it is desirable to be careful as far as possible to remove and prevent any likely cause, such as offensive drains and the deposition of organic refuse on building land &c. Sewage should not be allowed to remain stagnant in any sewer longer than is unavoidable, of course in this respect intermittent pumping of sewage out of the sewers is in a measure a disadvantage. Badly constructed or unfinished streets and yards in which slops and rain water are allowed to accumulate, have an unhealthy tendency, especially with regard to throat affections. I am here pleased to note that the Council are paying special attention to the streets which are not satisfactory, with a view to having them put into a healthy condition. The pavement in certain backyards is defective, the bricks being loose and harbouring slops, rain water, and even liquid which has fallen from pails during removal; in several instances this state of things has been remedied. Every possible means should be adopted to prevent sewer gas entering the houses; the gulleys or traps should be placed as far as convenient from the back doors, for when they are close to the doors there is a danger at times of sewer

gas entering the dwellings. I think that the sink drains might with advantage be directed through the scullery walls to discharge over the drains at a point more remote from the doors in some instances. Street grates and man holes in connection with ill ventilated sewers are unhealthy through allowing the concentrated sewer gas to escape and vitiate the atmosphere one breathes; free ventilation by shafts is necessary, and I am glad to say this has been fully recognized by the Council, who have already erected a goodly number of ventilating shafts. In this District, where a constant supply of pure tap water is procurable, the abolition of wells altogether is desirable, inasmuch as well water even if chemically pure, may contain disease germs. Where there are ashpits in connection with privies, pigstyes, and gardens which are frequently manured with night soil, well water is in danger of pollution.

It appears to me that it would be convenient if the Nottinghamshire County Council would undertake the analyses of water, making a reasonable charge, especially in all disputed cases.

A considerable number of unhealthy ashpits and privies have been done away with, and tub-closets substituted. Objectionable traps in back-yards have been replaced by gulleys.

The flooding of building land in Netherfield from the backing up of sewage from the over-charged sewers was a serious nuisance, which was abated on the attention of the Council being called to it.

The attendance of the Inspector of Nuisances at the Office, 3 times a-week, from 10 to 11, a.m., has been a great convenience.

I have visited all the bake-houses and slaughter-houses in the District, and on defects being pointed out, the occupiers at once undertook to remedy the same.

I have examined 6 samples of well water. One was bad ; 2 slightly polluted ; and 3 of fair quality.

A large number of nuisances has been reported by the Inspector of Nuisances, and abated.

The sewers have been regularly flushed and disinfected, and the roads well watered. A Steam Disinfector would be useful, as by its means all infected clothing might be thoroughly disinfected.

The adoption of the notification Act will enable one to give much more useful and accurate information respecting the origin and distribution of infectious diseases, and make Table B more satisfactory. The Table B herewith presented applies almost entirely to the Carlton division only, where a large majority of the poor reside ; in future all infectious diseases affecting all classes will be included.

An Isolation Hospital is still one of the things greatly needed, and I would recommend the Council not to lose sight of the fact, but, either by mutual arrangement with other districts, or by appeal to more powerful sources for assistance, endeavour to procure this boon. A small house or iron structure on a suitable site would certainly be most useful in case of small pox occurring ; but whether such a building, without means of affording more extensive accommodation, during ~~such~~ an outbreak of Scarlet Fever such as we have had to contend with during the past year, would be of much use, is to my mind doubtful. It might be useful to make enquiries respecting the provision made by other districts similar in size to this, and as to how far it has proved successful or otherwise.

In conclusion, I beg to thank the Council and my fellow officers for their courtesy and consideration.

I have the honour to be, Gentlemen,

Your obedient Servant,

J. T. KNIGHT.

Table of Deaths, Births, &c. during the past ten years in the whole District.

	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895
Small Pox ..	0	0	0	0	0	0	0	0	1	0
Measles ..	0	5	0	3	1	1	4	0	1	0
Scarlatina ..	0	0	3	1	0	0	0	0	1	10
Diphtheria ..	1	0	0	0	0	1	0	0	1	5
Croup ..	0	0	1	1	1	1	3	2	1	2
Whooping Cough ..	0	5	1	5	5	4	4	0	8	0
Typhoid Fever ..	2	6	0	2	2	3	1	8	1	0
Continued Fever ..	0	0	0	0	0	0	0	0	0	0
Diarrhoea and Dysentery	20	4	1	1	1	0	5	4	1	6
Rheumatic Fever ..	0	0	1	0	0	0	1	0	1	0
Erysipelas ..	1	0	0	0	1	2	0	2	1	1
Puerperal Fever ..	1	1	0	0	0	0	0	0	0	1
Phthisis ..	4	5	12	9	8	5	8	14	12	5
Bronchitis, Pneumonia, and Pleurisy	22	22	17	18	22	16	18	20	15	20
Heart Disease	7	4	10	7	14	12	9	4	12	8
All other diseases and injuries ..	71	69	57	47	48	62	71	36	58	80
TOTALS ..	129	121	103	94	103	107	114	90	114	138
General Death Rates ..	21·88	18·61	15·6	14·58	15·37	15·47	16·81	13·04	16·28	18·9
Zymotic Death Rates ..	4·23	3·23	·9	2·01	1·61	1·73	2·5	2·3	2·28	3·4
Number of regd. births	299	270	288	259	277	246	233	269	249	225
Birth rates ..	50·67	41·53	43·63	40·19	41·34	35·5	4·36	38·98	35·57	30·82
Deaths of children under 1 year of age ..	66	56	43	28	32	34	41	33	35	40
Proportion of above to number of deaths at all ages ..	·51	·46	·41	·29	·31	·32	·35	·36	·30	·28
The deaths during 1895 were distributed thus:—										
From Zymotic Diseases, including Diarrhoea							11		14	
All other causes							81		32	
							—		—	
Totals							92		46	
							—		—	
Zymotic Death Rates							2·6		4·4	
General Death Rates							22·43		14·6	
							—		—	
Inquests							1		2	
Uncertified deaths							3		0	

Carlton Ketterfield

(A) TABLE OF DEATHS during the year 1895, in the Carlton Urban District; classified according to Diseases, Ages, and Localities.

Names of Localities adopted for the purpose of these statistics, public institutions being shown as separate localities.	MORTALITY FROM ALL CAUSES AT SUBJOINED AGES.							MORTALITY FROM SUBJOINED CAUSES, DISTINGUISHING DEATHS OF CHILDREN UNDER FIVE YEARS OF AGE.															
	At all Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Under 5 5 upwds.	Under 5 5 upwds.	Under 5 5 upwds.	Scarlatina.	Diphtheria.	Membranous Croup.	Puerperal Fever.	Erysipelas.	Diarrhoea and Dysentery.	Phthisis.	Bronchitis, Pneumonia, and Pleurisy.	Heart Disease.	Uncertified.	Injuries.	All other Diseases.	Total.
	92	25	13	6	1	21	26																
Carlton	92	25	13	6	1	21	26	Under 5 5 upwds.	Under 5 5 upwds.	Under 5 5 upwds.	3	3	..	..	1	..	3	5	..	2	..	24	38
Netherfield	46	15	7	5	4	7	8	Under 5 5 upwds.	Under 5 5 upwds.	Under 5 5 upwds.	3	1	2	..	..	5	..	3	1	1	..	7	22
Totals	138	40	20	11	5	28	34	Under 5 5 upwds.	Under 5 5 upwds.	Under 5 5 upwds.	6	4	2	..	1	6	..	8	1	2	..	31	60
											4	1	..	..	..	..	5	12	7	..	2	45	78

(B) *Table of Population, Births, and of new cases of Infectious Sickness, coming to the knowledge of the Medical Officer of Health, during the year 1895, in the Carlton Urban District; classified according to Diseases, Ages, and Localities.*

Names of Localities adopted for the purpose of these statistics; Public Institutions being shown as separate localities.	POPULATION AT ALL AGES.		Registered Births.	Aged under 5 or over 5.	NEW CASES OF SICKNESS IN EACH LOCALITY, COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.			
	Census 1891.	Estimated to middle of 1895.			Scarlatina.	Fevers.		Influenza.
						Enteric or Typhoid.	Continued	
Carlton Urban District, Outdoor Paupers 267.	6911	7300	225	Under 5 5 upwds.	2	1	1	22
	Including New Wine of Borough Asylum.	Excluding New Wine of Borough Asylum.						
Totals	6911	7300	225	Under 5 5 upwds.	2	1	1	22

