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MEDICAL REPORT
ON THE
SANITARY CONDITION
OF
CARLISLE

DURING THE YEAR 1896,

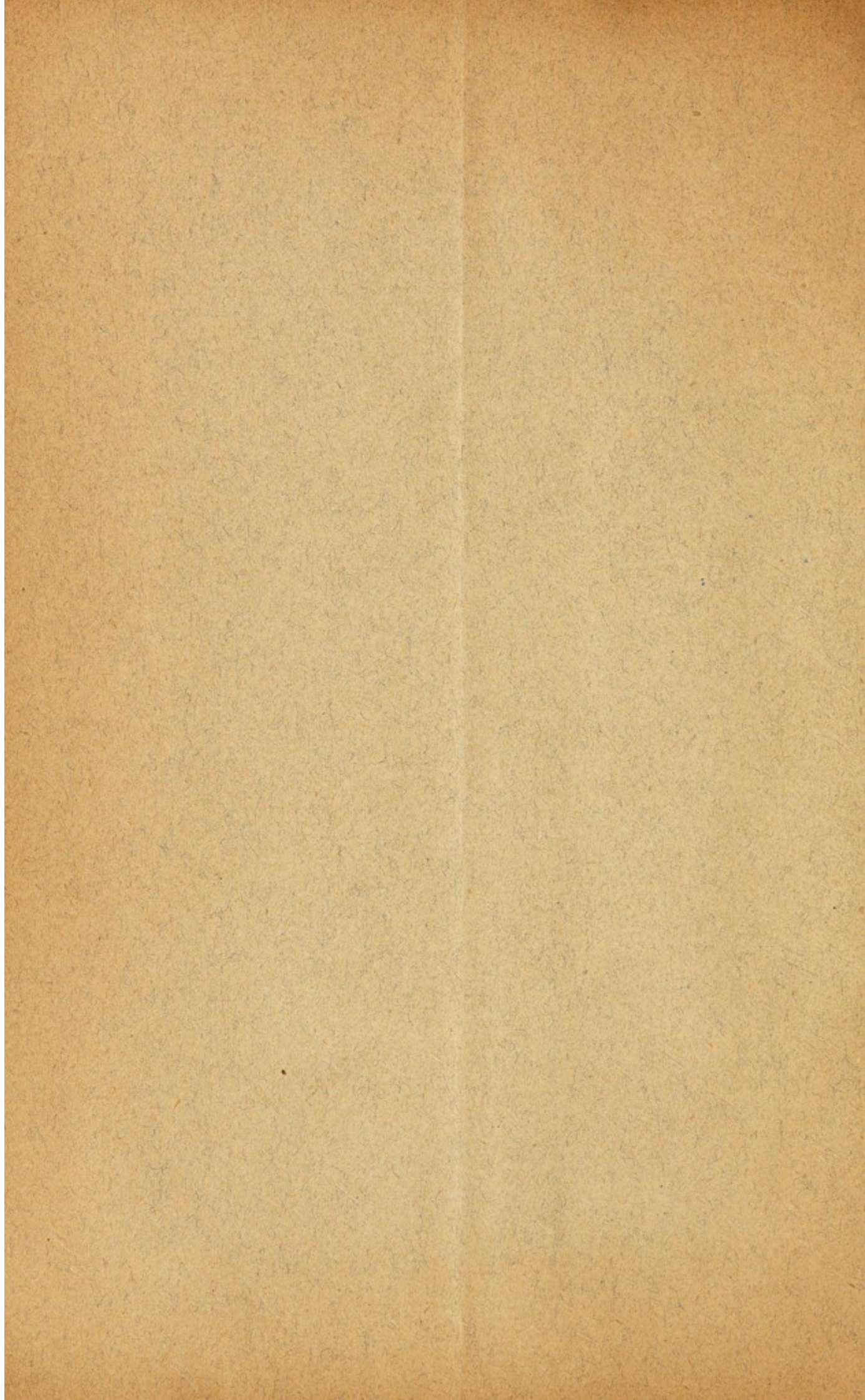
BY

WILLIAM BROWN, F.R.C.S.E.,

MEDICAL OFFICER OF HEALTH.

CARLISLE :
CHAS. THURNAM AND SONS, STEAM PRINTERS, ENGLISH-ST.

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CARLISLE URBAN DISTRICT COUNCIL.

Annual Report of the Medical Officer of Health.

TO THE CARLISLE URBAN DISTRICT COUNCIL.

Gentlemen,

I have the honour of submitting to you my Annual Report on the Health of Carlisle during the year 1896, with an account of the Sanitary Work performed.

STATISTICAL SUMMARY.

(Compared with that of 1895.)

	1896	1895
Area of District in Acres ...	2,029	2,029
Estimated Population at Mid-summer	41,300	40,800
Density of Population per acre	20.3	20.1
Inhabited Houses (1891 census)	7,624	7,624
Rateable Value of District ...	£176,948	£173,821
Births	1,246	1,311
Birth-rate	30.1	32.1
Deaths	753	794
Death-rate	18.2	19.4
Zymotic Deaths	30	33
Zymotic Death-rate ... ..	.7	.8
Infant Mortality	171	186

	1896	1895
Ratio of Infant Deaths to Births		
per 1,000	137	142
Infectious Cases Notified ...	289	248
Infectious Cases Isolated at Crozier Lodge Fever Hospital ...	57	47

REGISTRATION SUB-DISTRICTS.

St. Mary Sub-District—Population	25,100	24,804
St. Cuthbert's do. do.	16,200	15,996

VITAL STATISTICS.

During the year the births of 1,246 children have been registered. Of these 609 were boys and 637 girls. The total gives a rate of 30.1 per 1,000 of the estimated population. Last year the birth-rate was 32.1 per thousand of the estimated population.

MORTAL STATISTICS.

During the year ending December 31st, 753 deaths were registered in the Carlisle Urban Sanitary District. Of these 363 were males and 390 females. The death-rate was equal to 18.2 per 1,000 of the population estimated to the middle of the year. Last year (1895) 794 deaths were registered, the death-rate being equal to 19.4 per 1,000 of the estimated population. The following table gives the deaths of persons not belonging to the Carlisle Urban District. Making allowance for such deaths a death-rate of 17.3 is obtained:—

Where Died.	Deaths of persons not belonging to the Carlisle Urban Sanitary District.
Cumberland Infirmary - -	24
Fusehill Workhouse - -	6
Fever Hospital, Crozier Lodge - -	2
Home for Incurables - -	4
	—
	36
	—

Table shewing the death-rate of Carlisle from 1874 to 1896 inclusive:—

Year.	Deaths from all causes.		Deaths from Principal Zymotic Diseases.	
	No. Registered.	Rate per 1000 of Population.	No. Registered.	Rate per 1000 of Population.
1874	1055	32.6	367	11.3
1875	934	29.2	201	6.3
1876	800	25.0	100	3.0
1877	750	23.0	55	1.7
1878	828	23.5	83	2.3
1879	818	23.5	76	2.0
1880	777	22.2	106	3.0
1881	717	20.0	67	1.8
1882	852	23.6	189	5.0
1883	779	21.0	67	1.8
1884	783	21.0	38	1.0
1885	769	20.3	66	1.7
1886	745	19.4	62	1.6
1887	772	19.9	75	1.9
1888	722	18.5	59	1.5
1889	723	18.1	69	1.7
1890	792	19.5	65	1.6
1891	789	20.1	63	1.6
1892	805	20.2	55	1.3
1893	868	21.6	145	3.6
1894	780	19.2	44	1.1
1895	794	19.4	33	0.8
1896	753	18.2	30	0.7

Mr. W. Howard-Smith, late City Surveyor, in his report to the Sewage Disposal Committee of the City of Carlisle refers to the Carlisle mortality in the following terms:—
 “It is noteworthy that the general death-rate and also that from Zymotic diseases have steadily decreased during the past two years, and at the present time (1895) are among the lowest in the kingdom for towns similar in size to Carlisle.”
 It is satisfactory to note that there is a still further decrease in the Carlisle death-rate, in fact the Zymotic death-rate for the last two years has been unprecedented in Carlisle.

DEATHS FROM THE EIGHT PRINCIPAL ZYMOTIC DISEASES.

The Returns show 30 deaths from the principal Zymotic diseases, representing a Zymotic death-rate of .7 per 1,000 of the estimated population. The number registered from each Zymotic disease being as follows:—

Small Pox	...	...	...	0
Measles	...	...	...	1
Scarlet Fever	...	...	...	3
Diphtheria	...	...	...	3
Whooping Cough	...	...	...	20
Typhus Fever	...	...	...	0
Enteric Fever	...	...	...	3
Diarrhoea and Dysentry	...	...	...	0
				—
				30
				—

INFANT MORTALITY.

The deaths of 171 infants under one year of age have been registered. The ratio of infant deaths to births is 137 per 1,000, as compared with

1895	...	...	142
1894	...	...	133
1893	...	...	178
1892	...	...	123
1891	...	...	137
1890	...	...	150
1889	...	...	142
1888	...	...	129
1887	...	...	141
1886	...	...	146
1885	...	...	164

SCARLET FEVER.

162 cases of Scarlet Fever have been notified, as compared with 64 cases last year. The disease was most prevalent during the months of October and November. As to age prevalence 46 cases were in children of from 3 to 6, and 37 in children from 6 to 9 years old. The mortality was 1.8 per cent. of the cases notified.

Table showing the number of cases of Scarlet Fever during the year 1896, arranged as to age :—

Under 1 year ...	...	...	...	8
From 1 to 2 years	...	...	...	3
„ 2 „ 3 „	...	...	...	16
„ 3 „ 4 „	...	...	...	13
„ 4 „ 5 „	...	...	...	15
„ 5 „ 6 „	...	...	...	18
„ 6 „ 7 „	...	...	...	8
„ 7 „ 8 „	...	...	...	16
„ 8 „ 9 „	...	...	...	13
„ 9 „ 10 „	...	...	...	14
„ 10 „ 11 „	...	...	...	5
„ 11 „ 12 „	...	...	...	5
„ 12 „ 13 „	...	...	...	5
„ 13 „ 14 „	...	...	...	2
„ 14 „ 15 „	...	...	...	1
„ 15 „ 16 „	...	...	...	6
„ 16 „ 17 „	...	...	...	1
„ 17 „ 18 „	...	...	...	1
„ 18 „ 19 „	...	...	...	0
„ 19 „ 20 „	...	...	...	0
Over 20 years ...	...	...	...	12
Total ...				162

Number of cases of Scarlet Fever reported each week from 1st January to 31st December, 1896 :—

From the 1st to the 4th January ...	...	0
Week ending 11th „	...	1
„ „ 18th „	...	6
„ „ 25th „	...	1
„ „ 1st February	...	3
„ „ 8th „	...	1
„ „ 15th „	...	2
„ „ 22nd „	...	4
„ „ 29th „	...	0

Week ending	7th March	...	...	2
"	" 14th "	...	...	1
"	" 21st "	...	...	1
"	" 28th "	...	...	6
"	" 4th April	...	...	1
"	" 11th "	...	...	3
"	" 18th "	...	...	0
"	" 25th "	...	...	4
"	" 2nd May	...	...	2
"	" 9th " ...	...	...	2
"	" 16th " ...	...	...	4
"	" 23rd " ...	...	...	3
"	" 30th " ...	...	...	2
"	" 6th June...	...	...	1
"	" 13th " ...	...	...	0
"	" 20th " ...	...	...	0
"	" 27th " ...	...	...	3
"	" 4th July ...	...	...	7
"	" 11th " ...	...	...	0
"	" 18th " ...	...	...	0
"	" 25th " ...	...	...	3
"	" 1st August	...	...	0
"	" 8th "	...	...	5
"	" 15th "	...	...	0
"	" 22nd "	...	...	5
"	" 29th "	...	...	3
"	" 5th September	...	...	11
"	" 12th "	...	...	3
"	" 19th "	...	...	8
"	" 26th "	...	...	7
"	" 3rd October	...	...	5
"	" 10th "	...	...	5
"	" 17th "	...	...	11
"	" 24th "	...	...	7
"	" 31st "	...	...	5
"	" 7th November	...	...	4
"	" 14th "	...	...	2
"	" 21st "	...	...	2
"	" 28th "	...	...	2

Week ending	5th December	...	...	9
"	" 12th "	...	...	3
"	" 19th "	...	...	0
"	" 26th "	...	...	1
From the 26th to 31st	"	...	...	1
				<hr/>
				162
				<hr/>

MEASLES.

There has been 1 death from Measles as compared with 5 deaths last year. The mortality from the disease during the last 20 years has been as follows :—

1877	...	...	...	...	12
1878	...	...	...	...	2
1879	...	...	...	...	22
1880	...	...	...	...	4
1881	...	...	...	...	0
1882	...	...	...	...	36
1883	...	...	...	...	11
1884	...	...	...	...	0
1885	...	...	...	...	22
1886	...	..	...	...	4
1887	...	...	...	...	16
1888	...	...	...	...	3
1889	...	...	...	...	44
1890	...	...	...	...	1
1891	...	...	...	...	22
1892	...	...	...	...	3
1893	...	...	...	...	77
1894	...	...	...	...	20
1895	...	...	...	...	5
1896	...	...	...	...	1

SMALL POX.

On August 29th, a young man suffering from Small Pox was removed from Linton Street to Crozier Lodge Fever Hospital. The case was imported from Gloucester, in the neighbourhood of which the patient had been on a holiday. The usual precautions were taken, including the cleansing of rooms, the destruction of clothes and bedding, and the vaccination of several people who had been in contact with the case during the infectious stage.

TYPHOID FEVER.

Thirteen cases of Typhoid Fever have been notified as compared with 20 cases last year.

Tabular statement of cases of Typhoid Fever during the year, 1896, with the insanitary conditions present, and the action taken thereon.

Date.	Locality.	Insanitary conditions present, and action taken.	Result.
January ...	Granville Road	Instructions given as to disinfection	One case No extension
February ..	West Walls	Removed to Crozier Lodge. House disinfected	One case No extension
"	Alice Court, Court Street	Removed to Crozier Lodge. House disinfected	One case No further extension
"	Old Grapes Lane	Removed to Crozier Lodge. House disinfected	One case No extension
"	St. Nicholas Street	Instructions given as to disinfection	One case No extension
June.....	Oswald Street	Drain and water closet choked. Instructions given as to disinfection	One case No extension
"	Railway Place, Sallyport	Removed to Crozier Lodge. House disinfected	One case No extension
July	Broad Street	Instructions given as to disinfection	One case No extension
August....	Brunton Place	Instructions given as to disinfection	One case No extension
"	Hartington Place	Removed to Crozier Lodge. House disinfected	One case No extension
September	Broad Street	Instructions given as to disinfection	One case No extension
"	South Street	Sink connected direct to the drain. Instructions given as to disinfection	One case No extension
"	Broad Street	Drainage defective. Instructions given as to disinfection	One case No extension

DIARRHŒA.

It is a remarkable fact no death has been registered from diarrhœa during the year. This result, however, may be due to a changed nomenclature on the part of the certifiers, as I notice that 34 deaths are registered from "Enteritis," in which Diarrhœa is usually a prominent symptom.

DIPHTHERIA.

Twenty-two cases in 20 houses have occurred as compared with 41 cases in 34 houses last year. The mortality has been about 1 in 7 of the reported cases. In two of the houses minor sanitary defects were found to exist.

Tabular Statement of Cases of Diphtheria during the year 1896, with the insanitary conditions present, and the action taken, thereon.

Date.	Locality.	Insanitary conditions present, and action taken.	Result.
January	Brook Street ...	Instructions given as to disinfection	One case No extension
"	Kendal Street ...	Instructions given as to disinfection	One case No extension
"	Abbey Street ...	Instructions given as to disinfection	One case No extension
"	North Street ...	House disinfected	One case No extension
February	Hodgson's Court, English Street	Instructions given as to disinfection	One case No extension
"	Lismore Street ...	Defective drains. Instructions given as to disinfection	One case No extension
"	Milbourne Street...	House disinfected	One case No extension
"	Bridge Terrace ...	Instructions given as to disinfection	One case No extension
March ...	Little's Court Court Street	Instructions given as to disinfection	One case No extension
April ...	Greystone Road ...	Instructions given as to disinfection	One case No extension
"	Brunton Place ...	Instructions given as to disinfection	One case No extension
May ...	Lancaster Street ...	Instructions given as to disinfection	One case No extension
June ...	Bowman Street ...	Instructions given as to disinfection	One case No extension
July ...	Red Bank Villas, Currock	Instructions given as to disinfection	One case No extension
August ...	Alexander Street ...	Instructions given as to disinfection	One case No extension
"	Milbourne Street...	Removed to Crozier Lodge. House disinfected	One case No extension
"	James Street ...	Instructions given as to disinfection	One case No extension
September	Castle Lane ...	Instructions given as to disinfection	One case No extension
November	Westmoreland Street	Instructions given as to disinfection	One case No extension
"	South Petteril Street	W.C. connection to drain, defective. Instructions given as to disinfection	Two cases No extension

EPIDEMIC INFLUENZA.

Epidemic Influenza prevailed in a mild type during the early part of year, also during the Summer, and again towards the close of the year. One death has been registered from the disease.

NOTIFICATION OF INFECTIOUS DISEASES.

288 cases of Infectious Diseases have been notified, as compared with 249 cases during the year 1895. The following table gives the number of cases reported during each quarter of the year:—

Table showing the number of Notifications to the Sanitary Authority during the year of each disease specified in the Act.

Nature of Infectious Disease.	Number of Notifications sent in.				Total.
	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.	
Small Pox	0	0	1	0	1
Diphtheria	10	4	5	3	22
Membranous Croup ...	6	0	2	0	8
Erysipelas	23	7	18	30	78
Scarlet Fever & Scarlatina	29	28	51	54	162
Typhoid & Enteric Fever	5	2	6	0	13
Typhus Fever	0	0	0	0	0
Relapsing Fever	0	0	0	0	0
Continued Fever	0	0	0	0	0
Puerperal Fever	2	2	1	0	5
Totals	75	43	84	87	289

In four instances notifications of Erysipelas were sent in relating to the same case.

ISOLATION OF INFECTIOUS DISEASES.

The Sanitary Authority has isolated at Crozier Lodge 57 cases of Infectious Disease during the year, consisting of 50 of Scarlet Fever, 4 of Typhoid, 2 of Diphtheria, and 1 of Small Pox.

Last year 47 cases of Infectious Disease were isolated, viz., 22 of Scarlet Fever, 7 of Typhoid Fever, 16 of Diphtheria, 1 of Small Pox, and 1 of Erysipelas.

FACTORY AND WORKSHOP ACT, 1891 & 1895.

220 Workshops, including 321 rooms, have been visited during the year. The factories and workshops so far as they have been visited were found to be in a satisfactory condition.

COMMON LODGING-HOUSES.

The Common Lodging-Houses have been systematically inspected during the year, and on the whole their condition was satisfactory. In one case of a common lodging-house in Durham Ox Lane where the keeper retired, it was deemed desirable to abolish the lodging-house on account of it not being in any way adapted for the purpose of a lodging-house. In four or five cases it was necessary to take legal proceedings for overcrowding, improper use of kitchens, and the appropriation of rooms which had not been registered.

INSANITARY HOUSE PROPERTY.

No house property unfit for human habitation has been reported upon during the year. It has been needful, however, to institute legal proceedings against 3 of the owners of property condemned last year in Caldewgate and Finkle Street, with the result that two of the properties were closed and one made habitable.

EXAMINATION OF MEAT.

During the year I have been called to examine the carcasses of 35 oxen, 15 sheep, 10 lambs, and 2 pigs, as compared with 24 animals last year. Fifty-nine of the carcasses were pronounced unfit for human food, 32 of the carcasses of beef were affected with tuberculosis.

A few weeks ago, a writer in a Carlisle newspaper, referring to Professor McFadyen's address on Animal Tuberculosis, at Newcastle, pointed out that the Carlisle Sanitary Authority held an unique and unjustifiable position in ordering the destruction of carcasses affected with slight tuberculosis. The information of the writer with regard to the procedure at the Carlisle Slaughter-House in dealing with tubercular carcasses is evidently at fault, as I can bring to my recollection several instances during the last few years where carcasses were passed as fit for food in consequence of the tubercular diseases being limited to some particular organ. In the vast majority of cases where we are called upon to examine carcasses for tuberculosis, the tubercular disease is general so as to admit of no doubt as to the action which ought to be taken. Thus, of the 32 carcasses examined during the past year for tuberculosis, there was only the case of "localised" tubercular disease.

I am, Gentlemen,

Your obedient Servant,

WILLIAM BROWN,

Medical Officer of Health.

Carlisle, January 15th, 1897.

TABLE I.
BIRTHS, 1896.

QUARTER ENDING.	ST. MARY.			ST. CUTHBERT.			TOTAL FOR CITY.
	Males.	Females.	Total.	Males.	Females.	Total.	
March 31	68	94	162	69	74	143	305
June 30.....	89	115	204	66	74	140	344
September 30	91	82	173	67	59	126	299
December 31...	93	74	167	66	65	131	298
Totals.....	341	365	706	268	272	540	1246

TABLE II.
DEATHS, 1896.

QUARTER ENDING.	ST. MARY.					ST. CUTHBERT.					TOTAL FOR CITY.
	Males.		Females.		Total.	Males.		Females.		Total.	
	Under 5 years	5 and above	Under 5 years	5 and above		Under 5 years	5 and above	Under 5 years	5 and above		
March 31	14	23	27	39	103	15	30	12	25	82	185
June 30	13	37	17	45	112	10	23	11	31	75	187
Sept. 30	16	35	14	30	95	15	24	11	25	75	170
Dec. 31	32	33	21	44	130	14	29	8	30	81	211
TOTALS FOR YEAR	75	128	79	158	440	54	106	42	111	313	753

TABLE III.

Table shewing the Annual Birth-rate, Rate of Mortality, Death-rates among Children, Deaths in Public Institutions, and Deaths from Seven Principal Zymotic Diseases, for the Year 1896, and Ten Years preceding.

Year.	Births.		Deaths.		Deaths of Children under one year.			Deaths of Children under 5 years.		Deaths in Public Institutions	Deaths from 7 Principal Zymotic Diseases.	
	No. Registered.	Rate per 1000 of Population.	No. Registered.	Rate per 1000 of Population.	No. Registered.	Per centage of Total Deaths.	Per centage of Registered Births.	No. Registered.	Per centage of Total Deaths.		No. Registered.	Rate per 1000 of Population.
1896	1246	30.1	753	18.2	171	22.7%	13.7%	250	33.2%	123	30	.7
1895	1311	32.1	794	19.4	186	23.4%	14.2%	270	34.0%	123	33	.8
1894	1315	32.4	780	19.2	174	22.3%	13.2%	256	32.8%	132	44	1.1
1893	1389	34.5	868	21.6	248	28.5%	17.8%	416	47.9%	117	145	3.6
1892	1213	30.5	805	20.2	150	18.6%	12.3%	235	29.2%	124	55	1.3
1891	1207	30.8	789	20.1	166	21.0%	13.4%	245	31.0%	114	63	1.6
1890	1215	30.0	792	19.5	183	23.1%	15.7%	275	34.7%	85	65	1.6
1889	1224	30.6	723	18.1	174	24.1%	14.2%	270	37.3%	105	69	1.7
1888	1307	33.5	722	18.5	169	23.4%	12.9%	253	35.0%	95	59	1.5
1887	1214	31.3	772	19.9	172	22.3%	14.1%	262	33.9%	118	75	1.9
1886	1262	33.0	745	19.4	184	24.7%	14.6%	271	36.3%	92	62	1.6
Average of 10 years 1886-1895	1265	31.8	779	19.6	180	23.1%	14.2%	275	35.2%	110	67	1.7

TABLE IV.

Shewing the number of Deaths at all ages in 1896, from certain groups of Diseases, and proportions to 1,000 of Population, and to 1,000 Deaths from all causes ; also the Number of Deaths of Infants under one year of age from other groups of Diseases, and proportions to 1,000 Births and to 1,000 Deaths from all causes under one year.

Division I. (Adults).	Total Deaths.	Deaths per 1000 of Population, at all ages.	Deaths per 1000 of Total Deaths at all ages.
1. Principal Zymotic Diseases...	30	.7	39.8
2. Pulmonary Diseases.. ...	132	3.2	175.3
3. Principal Tubercular Diseases	87	2.1	115.5
Division II. (Infants under one year.)	Total Deaths.	Deaths per 1000 of Births.	Deaths per 1000 of Total Deaths under one year.
4. Wasting Diseases	41	32.9	240.0
5. Convulsive Diseases... ..	26	20.9	152.0

1—Includes Smallpox, Measles, Scarlet Fever, Diphtheria, Whooping Cough, Typhus, Enteric (or Typhoid), and Simple Continued Fevers, and Diarrhœa.

3—Includes Phthisis, Scrofula, Tuberculosis, Rickets, and Tabes.

4—Includes Marasmus, Atrophy, Debility, Want of Breast Milk, and Premature Birth.

5—Includes Hydrocephalus, Infantile Meningitis, Convulsions, and Teething.

TABLE V.

Table shewing the Number of Deaths from the principal Zymotic Diseases in the 10 Years 1886 to 1895 and in the Year 1896.

DISEASE.	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	Annual Average of 10 Years, 1886—1895.	Proportion of Deaths to 1000 Deaths in 10 years, 1886—1895.	Total Deaths in 1896.	Proportion of Deaths to 1000 Deaths in 1896.
Smallpox .....	...	...	2	...	...	...	...	1	...	...	.3	.4	..	...
Measles... ..	4	16	3	44	1	22	3	77	20	5	19.5	25.0	1	1.3
Scarlet Fever	7	1	...	...	22	21	4	11	2	2	7.0	9.0	3	3.8
Diphtheria	3	3	...	5	6	2	14	11	4	5	5.3	6.8	3	3.8
Whooping Cough.....	19	22	32	8	12	7	23	20	12	7	16.2	20.8	20	25.2
{ Typhus .....	...	2	1	...	...	..	4	..	...	...	.7	.9	...	...
{ Enteric	6	17	8	1	2	2	3	5	2	4	5.0	6.4	3	3.3
{ Simple continued .....	...	...	...	..	..	...	...	...	...	..	...	...	...	3.8
Diarrhoea	23	14	13	11	22	9	4	20	4	10	13.0	16.7	...	...
Totals	62	75	59	69	65	63	55	145	44	33	67.0	86.0	30	37.9
Rate per 1000 of population.....	1.6	1.9	1.5	1.7	1.6	1.6	1.3	3.6	1.1	.8	1.7	...	.7	...

TABLE VI.—Table of Deaths during the year 1896 in the Urban Sanitary District of Carlisle, classified according to Diseases, Ages, and Localities.

[illegible]

TABLE VII.
Mortality from Diarrhoea and Typhoid Fever, 1874—1896.

Year.	DEATHS FROM DIARRHOEA.															Deaths from Typhoid Fever.
	Autumn Quarter.		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total for Year.	
	No. Registered.	Rate per-1000 of population														
1874	35	4.30	2	2	...	...	1	1	6	20	9	6	...	3	50	23
1875	27	3.27	2	...	...	...	2	4	5	12	10	2	...	2	44	24
1876	12	1.43	3	1	3	...	1	...	2	5	5	1	6	7	37	10
1877	10	1.18	2	1	2	1	2	2	2	6	2	1	3	4	28	5
1878	26	3.02	1	2	1	1	3	3	9	8	9	1	1	1	40	11
1879	4	.46	2	1	1	1	...	2	2	2	...	...	1	...	12	11
1880	31	3.51	...	...	5	...	...	...	3	7	21	5	1	...	42	15
1881	7	.78	...	2	...	2	...	2	2	2	3	3	...	2	18	7
1882	17	1.84	...	1	...	...	...	1	5	7	5	1	...	...	20	9
1883	8	.87	...	2	...	...	...	...	...	3	5	6	1	...	17	8
1884	14	1.50	2	...	...	1	1	1	7	3	4	3	1	...	23	7
1885	4	.42	1	1	1	...	...	1	2	2	...	...	1	1	10	1
1886	8	.83	1	2	...	...	...	2	1	1	6	7	1	2	23	6
1887	7	.72	1	...	1	2	...	2	...	5	2	1	...	...	14	17
1888	8	.82	1	...	1	1	...	...	...	3	5	1	...	1	13	8
1889	6	.60	2	1	...	...	...	...	...	5	1	1	...	1	11	1
1890	15	1.58	...	...	2	...	1	...	1	7	8	1	1	1	22	2
1891	5	.51	1	...	...	...	...	1	1	2	2	2	...	...	9	2
1892	2	.20	1	...	...	...	...	...	...	...	2	1	...	...	4	3
1893	9	.89	...	2	2	2	...	2	...	2	7	1	2	...	20	5
1894	1	.10	...	...	...	...	...	...	...	...	1	1	2	...	4	2
1895	3	.30	2	1	...	1	...	...	1	...	2	3	...	...	10	4
1896	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Average for 23 years 1874-1896	11.2	1.26	1.0	.8	1.0	.7	.5	1.0	2.1	4.4	4.7	2.0	.9	1.0	20.4	2.1

TABLE VIII.

Table of Population, Births, and of new Cases of Infectious Sickness, coming to the knowledge of the Medical Officer of Health, during the year 1896, in the Carlisle 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.											Number of such Cases removed from their Homes in the several Localities for Treatment in Isolation Hospital.																					
	Census 1891.	Esti- mated to middle of 1896.			Smallpox.	Scarlatina.	Diphtheria.	Membranous Croup.	Typhus.	Enteric or Typhoid.	Continued.	Relapsing.	Puerperal.	Cholera.	Erysipelas.	1	2	3	4	5	6	7	8	9	10	11	Smallpox.	Scarlatina.	Diphtheria.	Membranous Croup.	Typhus.	Enteric or Typhoid.	Continued.	Relapsing.	Puerperal.	Cholera.	Erysipelas.
St. Mary Sub-District	23819	25100	706	{ Under 5 5 upwds.	...	30	3	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12	1	...	...	...	...	...	...	...	...	...
St. Cuthbert do.	15357	16200	540	{ Under 5 5 upwds.	...	53	8	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16	1	...	...	...	...	...	...	...	...	...
Totals ...	39176	41300	1246	{ Under 5 5 upwds.	1	83	17	8	...	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17	1	...	...	...	...	...	...	...	...	...

TABLE XI—*continued.*
 CARLISLE URBAN SANITARY AUTHORITY.
Deaths registered from all Causes during the year 1896.

CAUSE OF DEATH.	AGES.										Totals.	55 to 60
	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 and upwards	
IV.—CONSTITUTIONAL DISEASES—<i>continued.</i>												
Rheumatism ... ..	...	...	1	1	1	...	1	...	...	...	...	...
Gout ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Rickets ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Cancer, Malignant Disease ... ..	...	...	1	...	1	...	14	7	13	4	...	...
Tabes Mesenterica ... ..	...	3	...	...	...	...	...	...	...	...	...	...
Tubercular Meningitis, Hydrocephalus	2	10	8	...	...	...	...	...	...	...	...	...
Phthisis	10	10	1	17	25	14	9	6	1	...	...	...
Other Forms of Tuberculosis, Scrofula	1	2	3	1	1	...	...	...	...	...	...	...
Purpura, Hæmorrhagic Diathesis ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Anæmia, Chlorosis, Leucocythæmia ... ..	...	...	...	1	...	2	2	...	2	...	...	...
Glycosuria, Diabetes Mellitus ... ..	...	...	1	...	...	1	...	...	...	...	...	...
Other Constitutional Diseases ..	...	...	...	...	...	...	...	...	...	...	...	...
V.—DEVELOPMENTAL DISEASES.												
Premature Birth	15	...	...	...	...	...	...	...	...	...	...	...
Atelectasis ... ..	...	...	...	...	...	...	...	...	...	...	...	...
Congenital Malformations	1	...	...	...	...	...	...	...	...	...	...	...
Old Age ... ..	...	...	...	...	...	...	...	3	8	17	6	...
VI.—LOCAL DISEASES.												
<i>1.—Diseases of Nervous System.</i>												
Inflammation of Brain or Membranes...	2	3	2	...	...	1	2	...	...	...	...	...
Apoplexy, Softening of Brain, Hemiplegia, Brain Paralysis ... ..	...	...	...	2	...	...	7	10	7	2	1	...

TABLE IX—continued.

CARLISLE URBAN SANITARY DISTRICT.

Deaths registered from all Causes during the year 1896.

CAUSE OF DEATH	AGES.											TOTALS.	55 to 60
	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 and upwards		
VII.—DEATHS FROM VIOLENCE--continued.													
Poison	1	1	1	2	...	...	...	4	...
Drowning	1	1	...	...	...	...	...	1	...
Hanging	1	1	...	...	...	...	...	2	...
Otherwise
4—Execution													
Hanging
VIII.—DEATHS FROM ILL-DEFINED AND NOT SPECIFIED CAUSES.													
Dropsy
Debility, Atrophy, Inanition ...	25	1	...	...	...	...	...	...	...	...	...	26	...
Mortification	1	...	...	...	1	...
Tumour	1	...	...	...	2	...
Abscess	1	...	1	...	...	...	...	...	...	...	2	...
Hæmorrhage	1	...	...	...	1	...
Sudden Death (cause not ascertained)
Causes not Specified or Ill-defined ...	1	...	1	...	...	1	...	1	...	...	...	4	...

SUMMARY OF TABLE IX.

	No. of Deaths.
I.—Specific Febrile, or Zymotic Diseases—	
1. Miasmatic Diseases	31
2. Diarrhœal „ ... ..	...
3. Malarial „ ... ..	...
4. Zoogenous „	1
5. Venereal „	6
6. Septic „	2
II.—Parasitic Diseases ... ..	...
III.—Dietic Diseases	4
IV.—Constitutional Diseases	177
V.—Developmental Diseases	50
VI.—Local Diseases—	
1. Diseases of Nervous System	74
2. Diseases of Organs of Special Sense	4
3. Diseases of Circulatory System	94
4. Diseases of Respiratory System	132
5. Diseases of Digestive System	74
6. Diseases of Lymphatic System	2
7. Diseases of Gland-like Organs of Uncertain Use ... ..	...
8. Diseases of Urinary System	26
9. Diseases of Reproductive System ... ..	...
(a). Diseases of Organs of Generation	1
(b). Diseases of Parturition	3
10. Diseases of Bones and Joints	2
11. Diseases of Integumentary System	1
VII.—Violence—	
1. Accident or Negligence	25
2. Homicide	1
3. Suicide	7
4. Execution ... ..	...
VIII.—Ill-defined and not Specified Causes ..	36
Total	753

TABLE X.

LOCALITIES OF DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.

LOCALITY.	Smallpox	Measles	Scarlet Fever	Diphtheria	Whooping Cough	Typhus Fever	Typhoid Fever	Diarrhoea
<i>St. Mary Sub-District—</i>								
Abbey Street	1	...	...	...	...
Bridge Lane	1	...	...	...
Bright Street	2	...	...	...
Byron Street (Henderson's Square)	1	...	...	...
Chapel Street	1	...	...	...	...	...	...
Do. Willow Holme	1	...	...	...
Denton Street	1	...	...	...
Duke Street	1	...	...	...
Fever Hospital	2	1	...	...	3	...
Globe Lane	1	...	...	...	...	...
Finkle Street (Welsh's Square)	1	...	...	...
Howard Street	1	...	...	...
Rigg Street	1	...	...	...
Scott Street	1	...	...	...
Queen Street	3	...	...	...
<i>St. Cuthbert Sub-District—</i>								
Brook Street	1	...	...	...	...
Edward Street	1	...	...	...
Greystone Road	1	...	...	...
King Street	1	...	...	...
Do. (Atkinson's Court)	1	...	...	...
Sowerby Street	1	...	...	...
Tithebarn Street	1	...	...	...
Total	1	3	3	20	...	3	...







