[Report 1914] / Medical Officer of Health, Darwen Borough.

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BOROUGH OF DARWEN.

REPORT

OF

F. G. HAWORTH,

M.B.C.M., L.R.C.S., D.P.H.,

MEDICAL OFFICER OF HEALTH,

Medical Officer of the Education Committee,

POLICE SURGEON.

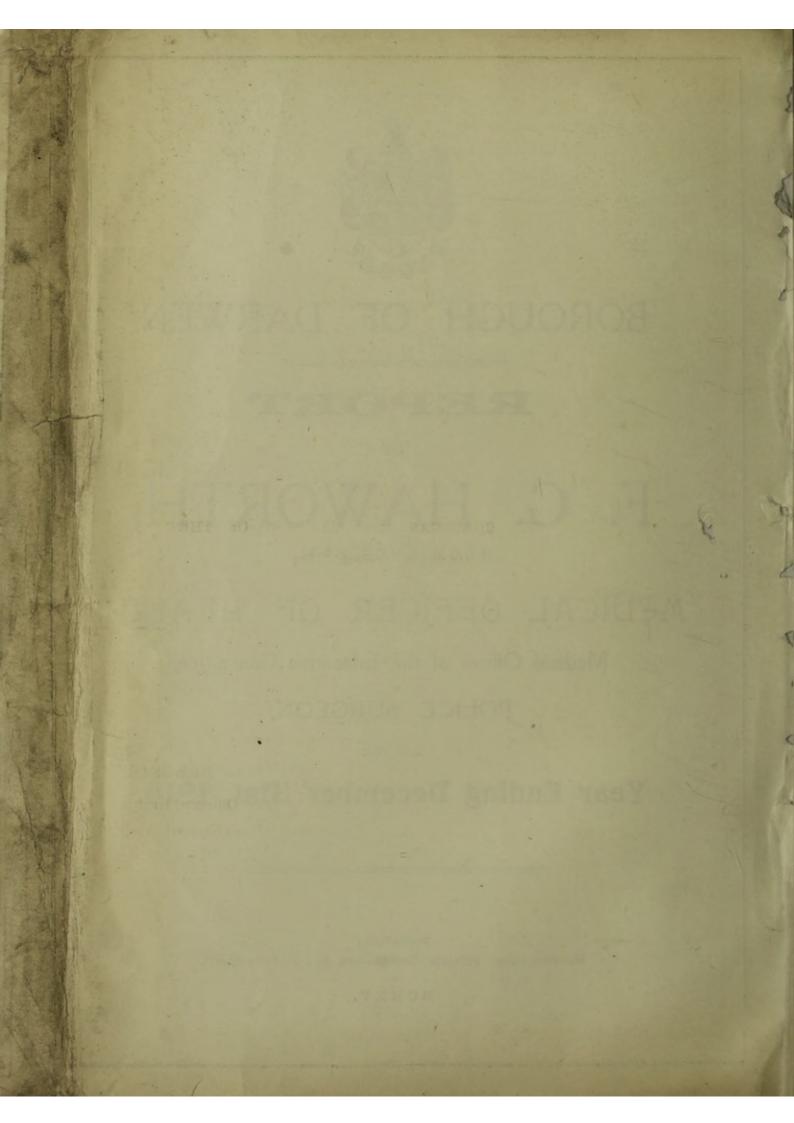
FOR THE

Year Ending December 31st, 1914.

PRESTON:

MATHER BROS., Printers, Bookbinders, &c., 31, Lune Street.

MCMXV.





VALE HOUSE, DARWEN,
FEBRUARY, 1915.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE.

GENTLEMEN,

I have the honour to present to you my Twentieth Annual Report, being for the Year ending, December 31st, 1914.

I am, Gentlemen,

Your obedient Servant,

F. G. HAWORTH,

Medical Officer of Health,

Darwen Urban Sanitary Authority.

Members of the Health Committee.

1914-1915.

ALDERMAN J. COCKER, J.P., MAYOR.

Chairman:

COUNCILLOR GEORGE PICKUP HOLDEN, J.P.

Vice-Chairman:

COUNCILLOR J. T. BALLANTYNE, M.B., J.P.

	S 74			
ļ	ALDERMAN	A. Carus, J.P., C.C.	ALDERMAN	RALPH SHORROCK, J.P.
į	,,	A. T. Eccles, J.P.	,,	Jas. Tomlinson, J.P.
	COUNCILLOR	WM. AINSWORTH.	,,	JOHN TOMLINSON, J.P.
	,,	Crossley St. John Broad-	Councillor	R H. C. JEPSON.
		BENT.	,,	W. P. KAY.
	,,	G. Butterworth.	,,	J. Parkington.
	,,	T. P. DAVIES, J.P.	,,	G. Ріскир.
	, ,,	T. DUXBURY.	,,	JOHN PICKUP, J.P.
	,,	E. Gibson.	,,	JOHN B. THORNLEY.
	,,	F. HINDLE, J.P., C.C.	,,	RD. WILCOCK.
See and	,,	J. Hodkinson.	,,	W. Worth, J.P.
No.	TOWN CLE	RK	WILLI	AM P. HALLIWELL, B.A.
September	ASSISTANT T	Town Clerk		John Derbyshire.
	Nuisance I	NSPECTORS	(South Div	ision)-W. E. MARSDEN.
				vision)—C. R. Walsh.
No.	SUPERINTEN	NDENT OF SCAVENGING		Joseph Niccoll
	SLAUGHTER	HOUSE AND MEAT INSPECTOR		WILLIAM BICKERSTAFFE.
The same of	MEDICAL O	FFICER OF INFECTIOUS DISEASES	Hospital	F. G. HAWORTH
本の	SCHOOL NU	URSE AND LADY HEALTH VISITO	R	Miss C. A. Orpin.

REPORT.

Natural and Social Condition of the Districts.

The town of Darwen is situated in a valley, Latitude 53° 41′ 25″ N. and Longitude 2° 28′ 32″ W., and runs almost due north and south, being about five miles in extent, on the highway between Blackburn on the North and Bolton on the South. The centre of the town stands 500 feet above the sea level, the higher parts of the town reaching over 800 feet above sea level, its situation favouring the free circulation of air and free exposure to sunlight.

The soil on which the town is built consists of boulder clay overlaying the sandstone or shale of the coal measures. In the middle of the valley along the riverside, gravel and sand form the subsoil, the land rises up on each side of the moorland, that on the West side forming the gathering ground.

There is only one outlying district of any importance, viz.: Hoddlesden, situate at a distance of two miles to the east, with a population of about 800.

The River Darwen runs northward through the valley.

The inhabitants are chiefly of the artisan and labouring classes. Area of town 5,959 acres. Rateable value, end of year to the Borough Rate, £170,857 10s.; Assessable Value to the District Rate, £157,251 10s. 6d.

The town is divided into six Wards:—Central, West Central, North East, North West, South East, South West.

The population, based on the natural increment, is estimated for the middle of 1914 at 41,038.

MEDICAL RELIEF.

The Darwen District Nursing Association was instituted in 1890, under the auspices of the late Lady Huntington. It is carried on by voluntary contributions collected in the Mills, Churches, Chapels, and from private sources, by a Management Committee, consisting of thirty ladies and gentlemen, there is a General Committee of eighty-five ladies and gentlemen.

Amount Collected.

Amount Expended.

Year. £	s.	d.	Year. £	s.	d.
1905 621	0	0	1905 549	0	0
19111286	0	0	19111051	0	0
1912 665	0	0	1912 722	0	0
1913 990	16	4	1913 930	18	11
19141070	2	5	1914 891	15	1

There are about six Nurses, including those doing Maternity Work. The work is done under the close supervision of the local medical men and is of a very high character.

The following are the terms of payment, at a minimum charge of :-

10/- per week, for one visit per day.

15/- per week, for two visits per day.

The Maternity Nurse attends for 7/6 to 15/- per case, according to the income of the patient. When the person is too poor to pay, of course no charge is made.

POOR LAW ADMINISTRATION.

Comes under the Blackburn Union, which consists of sixty members, of which eight are sent from, and represent Darwen.

The accounts of the Guardians do not show the whole amounts expended in respect of each Township.

THE BLACKBURN AND EAST LANCASHIRE ROYAL INFIRMARY

is an Institution standing at the Southern end of the neighbouring County Borough of Blackburn.

Darwen has not a particular number of beds at its disposal, every case sent from here is admitted without question.

Collections are made twice a year in the Mills, Workshops, Churches, and Chapels, and other sources contribute.

The Secretary, Mr. Nathan A. Smith, supplied the following information of patients from Darwen, treated in the Institution:—

1910	1911	1912	1913	1914
In-Patients 210	225	221	242	242
Out-Patients 484	402	449	460	498

The Out-Patents do not include accidents or dental extractions.

Based upon the ordinary Expenditure for the Year, the Cost of Treatment of these Patients was £1,018.

Population.

was calculated on the natural increment of what took place during the inter-censal period from 1901 to 1911.

WARDS.	Census, 1911		Estimated for middle of 1914
CENTRAL	6,698	6,649	6,629
WEST CENTRAL	3,947	3,967	3,975
NORTH EAST	9,181	9,212	9,223
NORTH WEST	7,055	7,521	7,728
SOUTH EAST	6,882	6,970	7,008
SOUTH WEST	6,569	6,505	6,475
BOROUGH	40,332	40,824	41,038

The Census returns for 1911 give the following figures regarding families or separate occupiers:—

TOTAL	9674
SOUTH-WEST	1564
SOUTH-EAST	1607
NORTH-WEST	1758
NORTH-EAST	2165
WEST-CENTRAL	912
CENTRAL	1668
Wards.	1911

With the exception of the Model Lodging House, almost all the others are separately occupied; that is, each family occupies its own house, although at one time it was stated that the larger houses in Punstock Road were used by two families to reduce the rental.

There are four places of entertainment in the town:—Olympia, which is purely a picture palace; The Public Hall, Theatre, and Albert Hall, in which a sort of music hall entertainment in conjunction with pictures is given in each one. These will on an average employ 10 persons in addition to the regular staff. These transients are accommodated in houses used as lodging houses as follows: 7 houses in Bank Street, 2 houses in Green Street East and South Street, 1 in Duckworth Street, 1 in Peabody Street, and in the old Grey Horse Inn, which at one time was a licensed house.

I presume the apparently large number of houses which take in lodgers is required for the artists and their dependents. During the winter a theatrical or panto-

mime company occasionally visits the town, when the resources of the lodgings will be more heavily tried.

From the Census returns of 1911 it is estimated that the Population per house was 4.16, as compared with 4.48 persons per house in 1901. During the progress of the war, I am informed, about 3,200 men have left the town to join the colours, that is, the Army and Navy. This further depletion reduces the house population to 3.93. As the men who have enlisted are able-bodied wage earners, the result on the industries of the town are likely to be far reaching. Apart from the fatalities and the maimed ones, there will be the problem of getting men who have become accustomed to an active outdoor life to settle down to the monotony of the old order of things.

Births.

There were 381 male and 380 female children born and registered during the year. To these must be added 3 male and 1 female babies born in other places of Darwen parents and transferred to us, raising the total number of births to 765. This gives a Birth Rate for the Borough for the year of 18.64 per 1,000, an increase of 0.56 per 1000 over the previous year.

June had the highest Birth Rate of 24.56 per 1000, and February the lowest rate of 14.91 per 1000.

The average Birth Rate for the last 33 years is 25.81 per 1000 of the population. The highest Annual Rate was in 1883, when it was 34.39 per 1000, and the lowest was in 1912, when it was 16.99 per 1000 of the population.

The large number of able-bodied men at the age for becoming fathers, which have been drawn into the ranks, and there is still a further number depleting our male population, also able-bodied men, who have gone to the large munition works. Probably further contingents will be required, so that the chances of any increase in the population by natural increment are exceedingly small. This renders the work of forming an estimate of the population an exceedingly difficult one, speculation, always an uncertain method, must be relied upon.

It is interesting to study the birth-rates in the various wards in the town. Taking the rate of the Borough as the average only one Ward is below this, viz., North-West Ward, which was 16.43 per 1,000 as against 18.64 per 1,000 of the Borough. All the rest were above this average, Central, West Central, North-East, South-East, and South-West Wards, the highest being in Central Ward. As its name implies this occupies the centre of the town, and is fairly equal on both sides of the main highway from

Blackburn to Bolton; this is the closest population, or more persons to the acre than any other, and more clearly represents the working class, which may account for it, although the trend of the birth-rate does not encourage one to hope much from this fact.

TABLE showing the Estimated Populations, Number of Births, and the Birth-Rates for the Darwen Sanitary District since 1882 inclusive.

1883 30,733 16 1884 31,360 9 1885 31,720 10 1886 32,185 9 1887 32,491 10 1888 33,500 9 1889 34,500 9 1890 36,500 10 1891 34,192 11 1892 35,000 10 1893 35,500 9 1894 36,000 10 1895 36,000 11 1896 36,652 10 1897 37,500 11 1898 37,500 11 1899 37,900 10 1900 38,600 9 1901 38,212 8 1902 38,712 8 1905 39,918 8 1906 41,164 8 1909 42,668 8 1909 42,668 8 1910 43,000 7	Births Birth-Rate
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1890 36,500 10 1891 34,192 11 1892 35,000 10 1893 35,500 3 1894 36,000 10 1895 36,000 11 1896 36,652 10 1897 37,500 11 1898 37,500 11 1899 37,900 10 1900 38,600 9 1901 38,212 8 1902 38,712 8 1903 39,114 9 1904 39,516 8 1905 39,918 8 1906 41,164 8 1909 42,668 8 1909 42,668 8 1910 43,000 7	994 29.67
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	30.20
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	26.90
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	28.86
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	14 29.70
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	31 30.16
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	62 28.02
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1902 38,712 1903 39,114 1904 39,516 1905 39,918 1906 41,164 1907 41,864 1908 42,266 1909 42,668 1910 43,000	58 22.45
1903 39,114 1904 39,516 1905 39,918 1906 41,164 1907 41,864 1908 42,266 1909 42,668 1910 43,000	91 23.01
1904 39,516 1905 39,918 1906 41,164 1907 41,864 1908 42,266 1909 42,668 1910 43,000	41 24.05
1905 39,918 1906 41,164 1907 41,864 1908 42,266 1909 42,668 1910 43,000	20.75
1906 41,164 8 1907 41,864 8 1908 42,266 8 1909 42,668 8 1910 43.000 7	18 20.49
1907 41,864 8 1908 42,266 8 1909 42,668 8 1910 43.000 7	11 19.70
1908 42,266 8 1909 42,668 8 1910 43.000 7	76 20.92
1909 42,668 1910 43.000 7	95 21.17
1910 43.000	16 19.12
	16.99
	18.08 18.64

Average for the last 33 years, 25.81.

BIRTH-RATES IN THE VARIOUS WARDS.

							1
Year.	C.	W.C.	N.E.	N.W.	S.E.	S.W.	Borough.
1898	31.3	28.3	33.9	24.2	29.9	32.2	30.5
1899	26.7	24.7	31.4	24.7	29.5	29.7	28.4
1900	23.37	28.29	25.00	28.35	24.58	27.13	25.79
1901	22.45	22.25	19.94	24.78	20.26	23.53	21.54
1902	24.8	19.1	24.2	21.4	20.9	24.6	23.0
1903	26.2	21.4	26.3	19.9	23.8	23.3	24.0
1904	19.3	18.8	22.4	25.4	19.8	18.4	20.7
1905	17.8	23.1	23.5	20.4	18.0	19.8	20.4
1906	19.23	19.25	21.11	19.82	17.47	20.53	19.70
1907	16.18	23.63	22.14	23.63	20.58	20.92	20.92
1908	17.72	20.65	22.89	23.41	23.34	18.97	41.17
1909	17.82	21.85	18.74	21.25	19.60	17.44	19.12
1910	14.76	20.35	20.57	22.61	17.77	13.63	18.05
1911	16.29	20.76	20.02	16.60	18.86	20.26	18.71
1912	16.49	17.94	18.69	16.00	14.86	17.90	16.99
1913	17.15	17.14	20.95	15.16	18.22	18.75	18.08
1914	19.91	19.62	18.65	16.43	19.26	18.68	18.64
	-		4 8 4 3				
Averages for 17 Years.	20.39	21.59	22.90	21.41	20.92	21.57	21.50

ILLEGITIMATE BIRTHS.

28 Children were born out of wedlock during the year, this gives a rate of 3.66 % of total births of erroneously called "Love Babies." Four of these were inward transfer births. Since 1901 the average annual number is 24, 1910 showed the lowest for that period, viz.: 16.

The rate per cent. of Births averages 2.95, the highest was $4.02\,\%$ in 1904.

The Infantile Mortality of Illegitimates averages for the past ten years 231 per 1000 births; the same rate for last year was 249. The rate for the whole of the Births was 119. If we could eliminate the large death rate of these unfortunate babies our Infantile Mortality Rate would be materially reduced; one must take the bad with the good.

Table showing number of Illegitimate Births, etc., during the past 14 years.

Year.	Number of Births.	Rate % of Total Births.	No. of Deaths under 1 Year.	Death-rate per 1,000 Births.
1001	91	0.45	1	- Paragraph
1901	21	2.45	_	
1902	22	2.47	***	
1903	23	2.44		
1904	33	4.02		
1905	25	3.06	8	320
1906	28	3.45	6	214
1907	29	3.31	5	172
1908	18	2.01		333
1909	29	3.55	6 4 5	138
1910	16	2.06	5	313
1911	25	3.31	- 8	348
1912	18	2.61	8 3 5	167
1913	21	2.85	5	238
1914	28	3.66	2	71
Average	24	2.95	5	231

ILLEGITIMATE BIRTHS.

	Number.	Percentage of Births.
JANUARY	2	3.70
FEBRUARY	2 3	5.88
MARCH	2	3.23
APRIL	2	3.51
MAY	3	4.11
JUNE	4	4.76
JULY	0	0.00
AUGUST	2	3.33
SEPTEMBER	2	2.67
OCTOBER	2	3.39
NOVEMBER	1	1.53
DECEMBER	5	8.77
	28	3.66

BIRTHS IN WARDS, 1914.

	Cent	tral.	We		Nor Ea		Nor We		Sou	ith-	THE PARTY NAMED IN	th-	10	tal.	Rate per 1,000 estimated Pop'lation
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
January February March April May June July August September October November December	4 4 1 7 4 7 6 5 8 8 8 8	4 1 6 7 5 3 8 5 8 6 6 6	2 5 3 4 4 3 2 4 4 3 1 5	1 4 2 4 2 5 3 3 1 4 3 6	8 6 3 2 6 9 7 8 8 6 10 4	7 6 14 6 11 10 8 5 8 7 8	3 7 3 3 10 8 8 6 7 5 3 3	4 1 7 5 8 8 5 5 6 4 6 2	3 4 6 10 4 6 4 6 9 6 5 8	7 4 5 3 8 8 4 6 7 5 4 3	7 5 6 2 5 8 3 4 6 5 6	4 4 6 4 6 9 6 3 3 2 7 4	27 31 22 28 33 41 30 33 42 31 31	27 20 40 29 40 43 34 27 33 28 34 26	15.79 14.91 18.13 16.67 21.35 24.56 18.71 17.54 21.93 17.25 19.00 16.63
December	67	65	40	38	77	95	66	61	71	64	63	58	384	381	18.64
TOTAL	1:	32	7	8	17	72	1	27	1:	35	1:	21	7	65	
Population Birth-rate	6, 6 19.		3, 9 19.		9,2 18.		7,7 16.		7,0 19.	08	6, 4 18.	75 .68	41,6	038	

The following Table shows the number of Births and the percentage of these attended by Medical Men during the last seventeen years:—

Voors	N. of Disale	Attended by Medical Men.					
Years.	No. of Births.	Number.	Percentage.				
1898	1131	815	72.06				
1899	1062	653	61.48				
1900	980	540	55.10				
1901	858	420	48.95				
1902	891	401	45.00				
1903	941	461	48.99				
1904	820	421	51.34				
1905	818	411	50.24				
1906	811	376	46.36				
1907	876	394	44.97				
1908	895	427	47.71				
1909	816	389	47.67				
1910	776	352	45.33				
1911	756	350	46.30				
1912	690	288	41.74				
1913	738	363	49.19				
1914	765	337	44.05				

RETURN OF VACCINATION FOR DARWEN, 1914.

MONTHS.	Success- ful Vaccina- tion.	Died Unvac- cinated.	Insus- ceptible.	Ex- empted.	Post- poned.	Re- moved out of Town and Traced.	Re- moved and Cannot Trace	Unac- counted for	Successfully vac- cinated each quarter.
Tanana	23	5	0	25	0	,	0	0	
January	18		0	29	0	0	0	0	To pro-
February March		4		32	0	0	0	0	67
		4	0	32	1 -	0	0	0	01
April	32	2	0	37	2		- 0	0	-
June	38	9	0	33	0	0	0	0	90
	23	3	0	35	2	0	0	4	90
July	23	7	0	25	1	0	0	1	
August		8	0		1	0	0	1	70
September October	16	7		38	0		0	1	76
November		5	0	29 33		0	1	6	The second
		5	0		0	0	0	10	20
December	5		0	28	0	0	0	23	38
100	271	59	0	376	7	1	1	46	271

VACCINATION.

Year.	1899 1062 1900 980 1901 858 1902 891 1903 941 1904 820 1905 818 1906 811 1907 876 1908 895	Successfully Vaccinated.	Rate per cent. Vaccinated.
1899	1062	851	80.1
1900	980	705	71.9
1901	858	651	75.9
1902	891	765	85.9
1903	941	750	79.7
1904	820	662	80.7
1905	818	618	75.6
1906	811	593	73.1
1907	876	597	68.2
1908	895	447	49.9
1909	816	294	36.0
1910	776	275	35.4
1911	754	280	37.1
1912	690	204	29.57
1913	738	232	31.44
1914	765	271	35.42

Marriages.

The number of Marriages solemnized in Darwen during the year ending December 31st, 1914 was as follows:—

Church of England	147 150
Total	297

This means that 594 people were united in the bonds of wedlock, and is at the rate of 14.47 per 1000 of the population, as compared with 17.54 per 1,000 in the previous year.

V	Birt	hs.	Deat	ths.	Marri	ages
Year.	Number.	Rate.	Number.	Rate.	Number.	Rate.
1882	987	32.57	650	21.45	490	16.0
1883	1057	34.39	518	16.85	478	15.5
1884	978	31.18	595	18.97	444	14.1
1885	1015	31.99	489	15.41	480	15.1
1886	965	29.98	641	19.91	540	16.7
1887	1000	30.77	716	22.03	558	16.6
1888	994	29.67	600	17.90	616	18.2
1889	972	28.17	544	15.76	570	16.5
1890	1075	29.45	673	18.43	586	16.0
1891	1115	32.60	660	19.30	648	18.7
1892	1057	30.20	641	18.31	670	19.1
1893	955	26.90	677	19.07	592	16.7
1894	1039	28.86	542	15.05	640	17.7
1895	1128	31.33	640	17.77	676	18.7
1893	1032	28.15	627	17.10	696	18.9
1897	1114	29.70	651	17.36	688	18.3
1898	1131	30.16	632	16.85	700	18.6
1899	1062	28.02	647	17.07	666	17.5
1900	980	25.38	789	20.44	532	13.7
1901	858	22.45	620	16.22	576	15.0
1902	891	23.01	569	14.69	606	15.6
1903	941	24.05	501	12.80	612	15.6
1904	820	20.75	606	15.33	606	15.3
1905	818	20.49	562	14.07	578	14.4
1906	811	19.70	540	13.11	744	18.0
1907	876	20.92	527	12.58	702	16.7
1908 -	895	21.17	550	13.01	636	15.1
1909	816	19.12	616	14.44	684	16.0
1910	776	18.05	573	13.33	610	14.2
1911	754	18.66	641	15.87	598	14.8
1912	690	16.99	563	13.86	710	17.5
1913	738	18.08	579	14.18	716	17.5
1914	765	18.64	595	14.49	594	14.4
verage 32 Years	942	25.80	605	16.45	601	16.4

Deaths in Regard to Occupation.

TRADES AND DISEASES.	1	2	5		5	4	5	6	to 5		ards	То	tal.
Bricklayer.													
Inquest		 						1				1	
Blacksmith.													
Gastro Enteritis		 						1				1	
Builder and Contractor.													
Senile Decay		 								1		1	
Brick Burner.							1						10.5
Duodenal Ulcer		 						1				1	
Block Cutter.												1	
Inquest		 								1		1	
Brick Kiln Setter.													
Pneumonia		 		1								1	
Blacksmith's Strikers.										1908			-
Uraemia		 						1				1	
2210th Jishi		 			•••				-			2	
Brass Founder.						_				***			
Heart Disease		 						1				1	
Butcher.												No.	
Bronchitis		 								1		1	
Baker.													-
Inquest		 1										1	

CONTRACTOR OF THE PARTY OF THE			100						1		-		
TRADES AND DISEASES.	5		15	25 3		35 4		45 6	to 5		and	Tot	tal.
	100	F	M	M		100	F	M	1000	M	F	M	F
Carter.					1					500			
Arterio Sclerosis				 				 1		1		1 1	:::
Arterio Scierosis. Bright's Disease Senile Decay. Apoplexy Phthisis.				 				···		1		1 1	
Phthisis				 			•••	1				1	
				 				3		2		5	
Cab Driver.		-		1									
Phthisis				 		1						1	
Clogger. Bright's Disease				 		1						1	
Bright's Disease				 						1		1	
				 		1				1		2	
Caretaker. Inquest				 		1						1	
Inquest				 						1		1	
				 						2		3	
Colliery Surface Banksman. Bronchitis				 						1		1	
Colliery Surface Hauler. Nephritis				 				1				1	
Coal Miners.													
Typhoid Fever			1	 								1	
Pneumonia.				 ï						1		2	
Apoplexy Cancer of Liver				 						1		1	
Arterio Sclerosis				 				1				1	
Intestinal Obstruction Cerebral Abscess			1	 						1		1	
Octobrat 21050055	-											11	
		••••	12	 1 2		1		1 3		3	•••	11	•••

Trades and Diseases.	5 t	5	15 23 M	5	25 3 M	5	35 4 M	5	45 6: M	5	65 a upw	ards	Tot	tal.
Charwomen.														No.
Cancer of Stomach. Senile Decay. Inquest Cancer of Uterus Bronchitis Diabetes								 1 		1 1		1 1 1		1 1 1 1 1
								1		2		3		6
Chimney Sweep. Cancer of Liver									1				1	
Chip Potato Dealer. Cancer of Liver									1				1	
Confectioners.										1			1	
Pneumonia						1								1
				1		1								2
Cotton Weavers.														
Bronchitis Endarteritis Obliterans Heart Disease Diabetes Phthisis Apoplexy Haematemesis Influenza Rheumatic Fever Myasthenia Gravis Senile Decay Pneumonia Cancer of Liver Pleurisy Typhoid Fever			1	4	1 1 2 1 1 1 	2	2	1	1	3 1 1 1 1 1 1	2 2 2 2 2 2 2 2	3 3 3 2 1	6 1 5 3 1 2 2 1	7 10 4 6 1 2 1 1 2 3 1
			3	4	6	4	2	6	6	13	11	12	28	39

TRADES AND DISEASES.	1	2		3	5		5	6	5		and ards	То	tal.
Cotton Weavers (continued) Asthma Cirrhosis of Liver		 •••	• • •					1	1		12	28 1 	39 1 1
Pregnancy Haemorrhage (accidental) Eclampsia (confinement) Nephritis (Bright's Disease) Suicide (inhalation of coal gas) Amyotrophic Lateral Sclerosis		 		 1	 1 1	 i	1		3				1 1 4
Cancer of Breast Inquest Appendicitis Cancer of Stomach		 1				1	1		1			 1 1	1 2
Suicide (drowned) Arterio Sclerosis. Cerebral Embolism Cancer of Ovary Anæmia		 •••						1			 1	``i	 2 1 1
Anæmia Cancer of Face Perforated Duodenal Ulcer Cerebral Tumour		 				 1 				ïi 		1 1 	1 1
Cotton Warpers.		 4	4	7	8	5	9	8	23	12	13	36	57
Tubercular Peritonitis Bronchitis Senile Decay Heart Disease		 									 1 1 1		1 1 1 1
Cotton Card-room Hands.		 			1						3		4
Cirrhosis of Liver Heart Disease Apoplexy Bronchitis Gangrene of Lung Strangulated Femoral Hernia		 					 i		1 1 1		1 1 		1 1 1 1 1
		 					1		3		2		6

Trades and Diseases.	5 1. M		2		3	to 5	4	to 5	6	to 5	65 upw	and ards	То	tal.
Cotton Winders.									111				111	
Uncertified												1		1
Typhoid Fever								1						1
Apoplexy										1		.4.		1
Phthisis								1		1				2
Cancer of Uterus	• • • •			1						1			•••	1
Bronchitis										1		2		3
Cancer of Stomach										î				1
Inquest		1								1				2
Senile DecayTubercular Mesenteric Glands .												1		1
								1						1
Epistaxis												1		1
Cancer of Bowels	•••	•••		• • • •	•••					1	•••			1
Appendicitis	•••	•••	• • • •	• • • •		1			•••			•••		1
		1		1		1		3		7		5		18
Cotton Bobbin Winder.		20												
Hypertrophy of Prostate											1		1	
Cotton Overlookers.										1				
Cancer of Pancreas	272			135					1				1	
Phthisis							ï		•				1	
Pneumonia									1				î	
Heart Disease									1				1	
Bronchitis											1		1	
					-			-						-
			••••	•••	•••		1		3	••••	1	•••	5	
Cotton Spinners.			-41			1		-						
Bronchitis									1				1	
Bright's Disease													2	
Inquest											1		1	
							2		1		1		4	
Cotton Mill Labourers.							1		-		HATT !	14 11/4	-	
Pneumonia			•••	•••	1	•••			1				1	
	100				11						10000		1	
r nonisis													-	

	5										65		To	tal.
TRADES AND DISEASES.	l M	78	2 M		1	5 F	4 M	5 F		5 F	upw M	ards	M	F
Cotton Cloth Lookers.														10
Cerebral Thrombosis Inquest Heart Disease									1		1		1 1 1	
Cystitis				-				-	1	 	1		1 4	
Cotton Spinning Master.									-		-		*	
Suicide (hanged)									1				1	
Cotton Sizers.														
Arterio Sclerosis Pneumonia Bronchitis									1		1		2 1 1	
									3		1		4	
Cotton Mill Manager.														
Bright's Disease											1		1	
Cotton Warehouseman.											BAN TO			
Pulmonary Tuberculosis					1								1	
Cotton Twisters.														
Phthisis Nephritis Apoplexy									1 1				1	
Otitis Media					ï								1	
					1		1		2				4	
Cotton Reacher-in. Phthisis	1			-									1	
Cotton Mill Engine Tenters. Apoplexy Pneumonia									 1		1		1 1	
									1		1		2	

	1	-	1			-		-	1			-		-
TRADES AND DISEASES.	10000	to 5	1000	to 5		to 5		to 5	1	to 5	65	and	То	tal.
TRADES AND DISEASES.	1 3	F	36	F		F	100				M	F	M	F
Cotton Winding Master.							The state of the s					-		
Pleurisy									1				1	
Cotton Mill Fireman.														lab.
Phthisis					1								1	
Cotton Drawer.														
Tubercular Hip Disease					1								1	
Cotton Manufacturer.										19				
Enteric Fever									1				1	
Domestic Servant.														
Cancer of Stomach										1				1
Draper.														
Hyperntphy of Prostate											1		1	
Drapers Assistant.														
Heart Disease			1										1	
Dress Maker.														
Cancer of Breast												1		1
Furniture Broker.														
Senile Decay											1		1	
Fish Dealer.														
Apoplexy											1		1	
Farmers.													,	
Pneumonia Senile Decay Heart Disease											ï		1	
Heart Disease		•••								•••		1		1
									1		1	1	2	1

TRADES AND DISEASES.	1	5	2	5	3	5	4	5	6	5	The second second	ards	To	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Green Grocer.						п				100	- May	of the latest	W 100	
Bronchitis												1		1
Grocer.											moj			100
Nephritis									1			···	1	 1
									1			1	1	1
Gardener.														1
Bronchitis											1		1	
Hairdresser.											1-13	1		
Heart Disease									1				1	
Insurance Agent.														
Heart Disease					1								1	
Iron Moulder.														
Cancer of Tongue											1		1	
Inn Keeper.														-
Nephritis										1				1
Iron Works Labourer.														
Pulmonary Tuberculosis									1				1	
Joiners.														
Cancer of Lung									1			1000	1	
Suicide (drowned)													i	
PhthisisCancer of Stomach									1				1	
Addisons Disease							1						1	
Heart Disease									1				1	
			1				1		4				6	

TRADES AND DISEASES.	5 t	5	15 28 M	5	25 35 M	5	4	5	45 6 M	5	65 a upw M		Tot	al.
Knocker-up.	-					-	-		-	1			1	
Cerebral Thrombosis									1				1	
Land Owner.														
Gastritis											1		1	
General Labourers.													Inin	DIE.
Pneumonia Chronic Rheumatism Myelitis Nephritis (Bright's Disease) Bronchitis Pththisis Senile Decay Uncertified Cirrhosis of Liver Arterio Sclerosis. Typhoid Fever Suicide (poisoning) Cancer of Bladder Cancer of Stomach Gastro Enteritis Heart Disease Apoplexy Pneumonia Congestion of Lung Cancer of Throat Atheroma			2				1 1 1		1 1 1 1 1 1 1 1		1 1 1 1 1 1		2 2 1 4 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
			3				9		12		8		32	
Licensed Victuallers.					-									
Cholecystitis (phlegmonous) Cirrhosis of Liver Uncertified Senile Decay Cancer of Prostate Gland Rheumatic Fever									1		 1	 1 	1 1 1 1	 1
									4		1	1	5	1

	-		15		05		0=		4=		0=		m	
TRADES AND DISEASES.	5	_	2	_		to 5	4	200	6		65 a		Tot	al.
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Motor Waggon Driver.												190	127/01	
Pneumonia									1				1	
Motor Waggon Stoker.												100	ud li	TE.S
(Injuries Accidental					1								1	
Mechanic.					-						1	ord ni	lave	100
Senile Decay									1				1	
Newsagents.														
Senile Decay											1		1	
Senile Decay									1		1		1	
									1		2		3	
Paper Packer.													A B	
Bronchitis											1		1	
Paper Stainers.														
Senile Decay											1		1	
Senile Decay									1		1		1	
													4	
Paper Sorters.														
Senile Decay												1		1
Erysipelas						1				•••		•••		1
						1		•••				1		2
Paper Mill Hand.				-			110							100
Arterio Sclerosis										1				1
Paper Maker.				1								-		
Pneumonia											1		1	

Trades and Diseases.	5 1	10-0	15			to	35		1000	to 5	65 a		Tot	tal.
THADIO AND DISTANCE.		F		300			M		100	F	100000	F	M	F
Paper Mill Manager.													AL CONTRACTOR	
Heart Disease											1		1	
Paper Reeler.								100						To de la constitución de la cons
Phthisis			1										1	
Paper Mill Sorter.													Hon	WIT.
Cancer of Cervical Glands									1				1	
Picture Framer.			1					174						
Apoplexy											1		1	
Plumber.			5											
Cerebral Tumour							1						1	
Property Repairer.			100								No se			mil.
Pnuemonia									1				1	
Paint Works Labourer.											-			
Appendicitis			1										1	
Painters.							1				To la			
Pneumonia Heart Disease			100000		-						1		1	
Pulmonary Tuberculosis		•••	••••		•••				1				1	
							1	•••	1		1		3	
Painter's Labourer. Pnuemonia									1				1	
Photographer. Cancer of Stomach									1				1	
Police Constable. Heart Disease									1				1	
Plasterer. Pneumonia									1				1	

TRADES AND DISEASES.	1	2		3	to 5	4	6	77		and ards	Tot	tal.
Quarryman. Suicide (hanged)		 					 1				1	
Railway Teamsman. Influenza		 1					 				1	
Reed Maker. Bronchitis		 					 1				1	
Railway Labourer. Suicide (hanged)		 				1	 				1	
Roller Coverer. Senile Decay		 					 		1		1	
Stone Mason. Phthisis.		 		1			 				1	
Stocking Knitter. Ulceration of Intestines		 		1			 				1	
Sanitary Pipe Moulder. Apoplexy		 					 1				1	
School Mistress. Septic Endocarditis		 	1				 					1
Street Sweeper. Heart Disease Senile Decay		 		1			 		 1		1 1	
		 		1			 		1		2	
Tea Dealer. Broncho Pnuemonia		 		1			 				1	
Terra Cotta Works Manager. Cancer of Pancreas		 				1	 				1	
Wheelwrights. Carbuncle Injuries (accidental)		 					 1				1 1	
		 				1	 1				2	
Yeast Dealer. Cirrhosis of Liver		 					 1				1	

OCCUPATION.

There were 269.108 spindles and 37,307 looms in the borough; this is the staple trade of the town. Besides this, paper making is very largely carried on, to this may be added paper staining and paper printing. The paper making and its subsidiary branches find work for a large number of persons. There is also the Building Trade, Engineering and Machine Making, Coal and Shale Mining, and the manufacture of Sanitary pipes, &c.. so that Darwen holds an enviable position in the fact of having a variety of trades carried on in its midst; when one is going through a period of depression the others may be flourishing

HOUSE ACCOMMODATION.

The number of houses at the end of the year was 10,429, this number includes 79 for which plans have been passed.

In my last Annual Report I drew attention to the need for houses with more bedroom accommodation so that the sexes could be separated, this need still exists, in my opinion, but some men in the building trade with whom I have spoken on the subject are of opinion they will not be provided: the initial cost could not be recovered by their sale, nor would a suitable rent be paid for them, it would not pay to build them. This is a pity, if we could have a bedroom for each individual member of the family it would make for better health and greater privacy in the home life. This latter feature does not appeal to the present generation, with which it is customary for males and females to wash practically in the scullery exposed to each other. such a habit does not tend to a natural delicacy of feeling, and the result is that subjects which should be sacred are common topics between the sexes J also mentioned in the same report that from my own observations and from hearing very frequently when on my rounds that houses were very difficult to get, if one became empty it could be let many times over in a very short time, it seemed impossible for so many to hear of it being empty. I had no doubt in my own mind that if not an actual scarcity of houses there was no margin over the number actually needed by the popu-This discrepancy, however, has now disappeared through a large number of men, married and single having left the town for one or other of the services, and also to work in munition factories, it will be many years before there is brought round a stable equilibrium of the people to raise the house population to its former level is more than probable that the weaving industry will become more and more a female source of revenue. I cannot ever imagine the men who have left the mill to join the Army ever coming back to their looms, the very monotony of such an existance is opposed to the new life they have been leading and any return to it is contrary to Apart from those who, unfortunately may be killed in action, many who escape to have the chance of returning home will turn their faces in other directions and seek variety fame and fortune in the far distant outposts of the world nor

will this be altogether a disadvantage; we have been for long rooted to the spots associated with our birth and childhood. All this will be changed by the war, our men being lononger satisfied with the old fashioned mode of living, so it is not likely the need for more house accommodation will be set up when the war is over; the men will not return permanently.

HOUSING AND TOWN PLANNING ACT.

	No. of houses considered	No. of Representations made to Local	No. of	No. of houses remedied	No. of houses remedied or	Hou	Demoli-	
No. of Houses In- spected	unfit for human habi- tation	Authority with a view to making closing orders	closing orders made	without the making of closing orders	being remedi'd after closing orders being served	Without demol- tion order	After demoli- tion order	tion orders made
35	8	8	0	0	0	8	0	0

Eight houses were closed during the year by the owners on representation being made by the authorities that this course was most advisable. Some have been transformed into shops, such as 108, 112 and 114 Duckworth Street, being first gutted and carried through to Nos. 1, 2, and 3 Plough Yard.

3 and 4 Smalley's Court were pulled down after closure to make room for the Olympia Picture Palace.

The following houses had been put on the Black List; during the year improvements as follows instituted:

Nos. 73. 74 and 75 Bury Street are back to back with

1, 2 and 3 Back Bury Street,

1, 2, 3 and 4 John Street,

1, 2 3 and 4 Ellison Court,

5, 6, and 7 Back Wood Street

93, 94 and 95 Wood Street,

1 Hutchinson Court,

513, 515, 517, 519 Blackburn Road have also had the pails removed and converted to the Water Carriage System in fact both Inspectors have been exceedingly busy during the year with introducting the Water Carriage System of sewerage, where pails obtained, also in many cases Waste Water Closets have been removed to make room for the fresh Water Closets.

THE MODEL LODGING HOUSE.

Having become more popular under new management, it was considered the time to increase the accommodation. 14 new cubicles were put in, bringing the bed accommodation up to 144, including females the average number occupied was 111.3

It was not necessary to serve any notices for overcrowding during the year.

Notices were served in the following instances for dirty houses, viz. :-

February	18th	11, Riley Street
June	23rd	48, Sudellside Street.
,,		21, Corporation Street
,,		77, Crown Street
July	28th	9, Spring Street.
August	25th	28, Ashton Street
,,		15, Garnett Street.
,,		2, Bury Court.
,,		507, Blackburn Road.
November	24th	38, Snape Street
,,		9, Dove Street.

The town is well supplied with open spaces in spite of the fact that there is in no part of it any overcrowding of dwelling houses and practically no slum property. There are three large, well arranged, and beautifully laid out parks.

sunnyhurst wood, situated at the north end of the town, consists of 80 acres of well wooded land. This in its original state was really a natural park, open to the public by means of a footpath running through a valley bounded on both sides by well wooded slopes. Its acquisition was determined upon by Alderman Tomlinson, who secured, by subscriptions and donations, sufficient to buy the land for the town. It has been laid out, tended, planted, and set out without sacrificing any of its natural beauties, and yet brought well within the meaning of a park. Such are its attractions that it has become a source of great pleasure to crowds of people, who come from Blackburn to spend a few hours in its glades. It is the reason for excursion trains from many towns within a radius of thirty miles.

BOLD VENTURE PARK occupies a part of West Central Ward, being reached by way of Belgrave Road and Borough Road, reaching right up to the edge of the moors, covers 25\frac{3}{4} acres of beautifully laid out gardens. A lake or pond for water fowl lies just within its gates, kept well supplied with water by means of a stream of pure water falling from the moors and uplands over cascades of nature's structure. This park ends in a cul-de-sac of rock, from which in former years much of the stone with which the town is built has been gathered. In front of this face of rock has been

erected a fountain to the memory of the late James Huntington, subscribed by the workpeople at the paper works controlled by the said James Huntington. On a height to the north of this fountain stands the Gillibrand Meteorological Observatory. a station of the second class, the whole cost of the Observatory and Instruments being defrayed by a late Mayor.

WHITEHALL PARK, at the southern end of the town and abutting on the Cemetery, consists of 161 acres. This, one of nature's beauty spots, has year by year been improved by artificial means until it is now the focus of a large number of detached villas occupied by the wealthier citizens of the borough. The land slopes upwards to the moors. Just within its gates has been constructed a MUNICIPAL BOWLING GREEN, which appears to appeal to the public taste, as it is very popular and much used. This seems to me a step in the right direction, because it gets those who use it into the fresh air, supplies the exercise so necessary for the development of the body, without the contra attractions of the public house so often associated with this form of amusement. The first MUNICIPAL BOWLING GREEN to be established was in Everton Street, on the site of a public play ground. This play ground, representative of others in Olive Lane and Hanover Street, was a railed-in plot of land, the ground being of well trodden ashes, was principally used by young men, or immature men, for purposes of a rough kind of football in winter, nay very often throughout the year, although cricket was sometimes played in summer. The games played never appeared to be, even in practice, of such a nature as to develop scientific football, nor to bring forward promising young players to the attention of the football authorities, it was simply "horse play," and its retention as a play ground was not advisable.

The success of the Everton Street Bowling Green was such as to encourage the formation of the one at Whitehall and also on the Olive Lane site. The appearance in all cases is such as to form a great attraction to the public, and apart from the games played thereon they are invaluable as breathing spaces now retained permanently for the public good.

There is still a much needed reformation in Hanover Street. Perhaps in the near future this will be accomplished, and will form the completion of the set of bowling greens giving one to each district. The only loss in the transformation is where a play ground happens to be in close proximity to an elementary school when it has given an extra playground to the school much used for football as in the case of Olive Lane. It is however a doubtful benefit because each school has its own distinctive playground.

Generally speaking the main streets run north and south, making the town a very long one in comparison with its size and area. This is an advantage, as the sun shines alternately on the front and back, as the case may be, thus influencing

to a certain extent local currents of air by causing them to move first in one direction and then in the other according to the position of the sun. The front streets are 12 yards wide and the back streets are 4 yards wide. This latter is unfortunate. I have had occasion in a previous report to describe a venture on the part of a builder to give much more air space at the rear of the cottages by making the back yards in the form of gardens, much more than 12 yards wide to do away with intervening walls, and substituted privet edges. The pleasure the occupants derive from these gardens is unbounded. They are more beautiful to look upon and do away with the depressing, monotonous old fashioned back yards we are so accustomed to look upon, that the lives of the people are bettered, lengthened, and rendered more cheerful. The innovation certainly deserves the thanks of the community.

The minimum amount of yard space is 150 square feet.

There are 1704 houses with baths. 57 baths were put in during the year.

The streets are all paved with setts. The side walks of the front streets are flagged and are 7ft. 6in. wide.

The whole of the sanitary work, such as cleaning and watering of the streets, collection and removal of night soil, ashes, etc., is done in a very satisfactory manner by the Council.

The levelling, sewering, and paving of the streets is well done and in capital condition, in fact I do not meet with better streets in any town I visit. They certainly reflect great credit on the engineering department. Owing to many streets being laid out in the earlier history of Darwen there are still some humps to be met with. Some streets present the appearance of a modified switchback railway, not elegant to look at. However, such an arrangement may lend itself to greater variety of movement.

WATER SUPPLY.

This is upland water, gathered from the moors on the western side of the town. Owing to the heavy rainfall in this district the amount is sufficient with efficient storage room. Its contact with decaying vegetation, and the absence of mineral salts makes it very soft in character, and has resulted in causing gypsum to be added to counteract the acidity and prevent its action on the lead pipes.

The mention in my last Annual Report of the action of Bolton Corporation in securing further extension of the gathering ground, also that Darwen secured the rights to 300,000 gallons per day from that source, the water from this was turned on, on April 27th, 1914. I again mention my objection to the plan of covered reservoirs, another of these has been completed since my last report. The water may not be long enough in the reservoir to lose its sparkling character, still we do

not know how long that takes and such a thing should not be risked. Personally, I do not think covered reservoirs should be permitted, or some method adopting of aerating the water by passing it over a series of steps.

The water supply from Sunnyhurst Hey and Earnsdale Reservoirs is on the constant system; the amount used during the year was 294,930,000 gallons; 42,930,000 being for trade purposes, the remainder for domestic use at the rate of 16 gallons per head per day.

The total Rainfall for the year on the Watershed was 50.74 inches, and in Bold Venture Park, 54.54 inches. We had rain on 247 days.

The heaviest rainfall was in December, with 7.38 inches, and the lowest in April, with 2.15 inches.

MILK SUPPLY.

Is fairly satisfactory. The supervision of this article of food is in the hands of the Police, with other foods.

It is not difficult to ascertain the character of a farm if one looks at the conveyance in which the farmer retails his milk. If the vehicle and the milk appliances are dirty, not in order, and lacking in polish, if the animal in the shafts is, or appears to be, untended and showing an absence of grooming; if the harness and clothing of the milk vendor are untidy one may assume that things at home are not in a satisfactory conditiou. I do not think the fault lies in the quality of the milk being below its required value so much as in an absence of perfect cleanliness. One may look through a cotton mill and come to the conclusion it is clean; when an isolation hospital when compared with the cotton mill would be classed as decidedly unsatisfactory in regard to scientific cleanliness, so it is with farms and dairies, they should be looked upon from the standpoint of a hospital, and not from that of a cotton mill. We want our milk to show an absence of the collection of particles of dirt at the bottom of the milk vessel after standing a few hours. To arrive at this, acting under the instructions of the Health Committee, I have issued the following instructions.

THE COWS should be healthy, and to that end should be kept as much as possible in the open air. Farmers are advised to buy only cows about the health of which they have no doubt, and to keep cows which may happen to fall ill, isolated from other cows; they must be kept clean and for this purpose plenty of good bedding must be provided and renewed as often as necessary.

UDDERS AND TEATS—As the source of contamination is either dirty or diseased udders, these much be cleaned with a damp cloth before milking. If the udder is soiled so that it cannot be cleaned in this way, it should be washed with warm water and soap and then carefully dried with a clean dry cloth. Many farmers object to do this, under the impression that it will curtail the supply

of milk. This appears to me a mistake, as the cows lie on the ground in the open air in all states of the weather, the udder coming into close contact with the cold wet ground, which is more likely to influence the flow of milk than is the method of cleansing above suggested.

The farmers should be instructed to examine the cow's udders and teats after every milking for any unusual lump or swelling, as these are the more readily recognised after milking than before.

If anything suspicious is found or there is obvious disease of udder or teats, the milk must not be sold for human consumption until the advice of a Veterinary Surgeon has been obtained and his decision given that it is safe to so use it.

THE MILKER—The sources of contamination is in the clothes, the hands, or through the illness of the milker. To prevent danger he or she must wash his or her hands before milking using a stiff brush to cleanse underneath the nails.

Soap, towels and clean water must be provided in a convenient place for this purpose. The absence of suitable provision for this will be taken as evidence that these instructions are not being carried out. Clean linen overalls or smocks should be worn when, and only when, milking. Persons who are ill or have sickness at home should in no way have anything to do with the cows until the sanction of a medical man has been obtained that it is safe to do so.

THE COW SHED should be so lighted that every part is easily visible in the day time, when the doors are closed; should be so ventilated that the air in it will not feel close, or have a disagreeable smell when the cows are housed and the doors are shut. Cows, like ourselves, will not suffer from free ventilation if it is steadily maintained throughout the year.

It should be kept free from dust, especially during milking.

The manure must be removed from the cowshed as often as required, this being not less than twice a day, the liquid manure channels must be cleansed frequently with water.

The milk must not be left standing in the Cow Shed, but immediately removed as occasion requires to a suitably clean place, strained and cooled.

UTENSILS.—All milk vessels should be so constructed that all parts can be thoroughly and easily cleaned, the lids should be close fitting and dust proof. All cloths used for cleaning milk vessels must be frequently wrung out of clean water and boiled at least once a day. These utensils should be kept for milk alone, and not used for any other purpose. An efficient seive must be

provided for straining milk and must be maintained in a thoroughly clean condition; muslin or other similar material must be used with the seive, then washed and scalded after each operation.

In summer time special precautions must be taken to prevent house flies from getting to the milk.

ALL VEHICLES used for distributing the milk must be kept as clean as possible and provided with special receptacles for the measures, &c., with a lid attached to keep out dust, &c.

The condition of milk carts, utensils, gears, horses, &c. will be taken as an indication of the state of all the other parts appertaining to the milk industry.

Yours truly,

F. G. HAWORTH,

Medical Officer of Health.

The Bye-laws in regard to the cubic area for each beast state this must be 600 c.f.; the Model Bye-laws require 800 c.f.

Until the cows are groomed as carefully as are horses in the best stables, we shall not see our cow-sheds in that sanitary state of cleanliness necessary for the production and supply of a pure milk. The two must go together.

FOOD INSPECTION.

By the Meat Inspector and the Inspectors of Nuisances is very ably carried out, and in particular all food sold on the Market ground and from carts in the streets, I would like here to drawn the attention of itinerant vendors of fish, vegetables and fruit to the necessity of preserving their wares from dust, &c. To effect this the cart or lurry should be covered over as a protection from the weather, and boarded in front to keep off dust, &c. from that direction; otherwise dirt and hairs are blown from the horse on to the contents of the lurry. This is a matter which has hitherto escaped the attention of those concerned.

BAKEHOUSES.

Are frequently inspected by the Officers. During the last decade or two a great change has come over the habits of the people, formerly each housewife baked her own bread, &c., and washed the family or household clothes. These duties have been gradually dropped and now the main supply of bread comes from public bakehouses, and the family washing is done in laundries run as private concerns. Theoretically, both these should be for the public good and be done cheaper when everything is taken into consideration. The bread has a better chance of being baked in more

sanitary surroundings, ensuring greater purity, and the washing must be a relief to an overworked woman; but all this implies a careful watch on bakehouses and laundries.

On one occasion an Inspector received information, and afterwards verified its accuracy, that in the manufacture of meat pies, in which a wood block is used to mould the pastry, saliva was being smeared on the block to prevent it adhering to the pastry. He reported the matter at a meeting of the Health Committee, and the Town Clerk was instructed to issue notices to the makers of meat pies.

Last year "Regulations for Bakehouses" were issued to all the bakers in the town, printed on stiff paper to hang up in a prominent position; a copy of these was included in my last report.

SLAUGHTER HOUSES.

We have the Municipal Abattoir, one private, and one owned by a local wholesale purveyor of meat. These are under the supervision of the Meat Inspector, who is responsible for the condition in which they are kept.

SEWERAGE AND DRAINAGE.

I consider the sewers are of the first order in regard to structure and maintenance. In some of the old parts of the town the drains may not be up to date in form of construction, as occasionally an old-fashioned stone drain is met with during alterations. When this occurs it is re-constructed as soon as possible.

CLOSET ACCOMMODATION.

The following constitutes the accommodation in this respect at the end of the year in question.

2827

5355

Pails

Water Closets

Waste Water Closets 2503	
Total 10685	
Water Clasets fixed in new buildings	84
Water Closets fixed in new buildings	200
Houses with two closets	5
Houses with one closet	74
Water closets dismantled	2
Pails converted to Water Closets	1856
Waste Water converted to Water Closets	10
Baths installed during the year	57

It is evident from the above figures that the tendency of the age is in the direction of a rapid removal of excreta from the vicinity of the houses to a central depot, where it can be treated and rendered innocuous. At present the most rapid and economical system in vogue is the water carriage system, and this is what is taking place.

It is perhaps unfortunate that at the initiation of a new system, the one selected was the waste water closet: These are frequently becoming blocked up by all sorts of odds and ends, empty sardine or salmon tins—children probably throwing them down mostly out of mischief—this proves a more or less costly departure to the tenants or owners, as well as a nuisance and danger to the neighbours; but a greater danger, because a constant one, lies in the large fœcal covered surface of drain pipe exposed to the action of the atmosphere, extending from the closet pan down to the drain many feet below. The action of the waste water does not extend beyond the drain pipe, whereas in an ordinary water closet, the water flushes out every part of the system, from the pan onwards to the sewer, and, in fact, to the sewage works.

DISPOSAL OF REFUSE.

House refuse is collected by the Corporation servants, conveyed in carts which are covered over with sheets, to the Destructor, and there burnt in a Meldrum Destructor. I have frequently mentioned in my reports the many objections to the ordinary ash tubs, as being insanitary; the tub must be taken out through the doorway leading into the back street, then the contents emptied on to the ground and afterwards filled into the carts with spades. Whilst the tub is out the floor of the space in which it usually stands should be swept clean, this is not always done and the children have too easy access to the contents of the tub, and may in this way be exposed to infection.

Last year I recommended the adoption of the Quines Dust Bins, and stated the advantages of this particular system, which need not be here repeated.

THE WORK OF THE INSPECTORS.

Continues to be effectively done in spite of the increasing quantity. The conversion of Pails to Water Closets continues at a good rate, but owing to the war this has been allowed to quieten down and the amount of work entailed by this change is a great tax on both Inspectors. There is also the usual house inspection, attention to nuisances and enquiring into complaints. When a case of Infectious Disease is notified the Inspector for that particular district calls at the house gets the necessary information, accompanies the patient to the Isolation Hospital, sees to the disinfection, fumigation, &c. Each Inspector has also a large amount of clerical work to do, which would be too great a demand on his time were he not to choose days unfavourable for outdoor work for this duty.

The extra work entailed by the large number of conversions from pails to Water Closets has compelled some of the work in other directions to be delayed. The Committee gave instructions to the Inspectors not to press these conversions, where the owners asked for delay owing to the War, so this work will not be as speedy as intended nor as desired.

SUMMARY OF INSPECTIONS—SOUTHERN DISTRICT.

A. Number and Nature of		Number	B. of Notice	s Served	Result of	C, Service	of Notice.
Inspection Made.	No.	Legal.	Prelim-	Nuis- ances	Remain ing in	Prosec	cutions.
		Legar.	inacy.	Abated.	hand.	Insti- tuted.	Pending
Dwelling Houses including		-					
houses under Town Plan	2220		341				
ning Act	1795						*****
Factories and Workshops	244	5	12	12	2		
Dairies and Cowsheds	104	9	13	20	4		
Bakehouses	117	5	2	7			
Infectious Diseases	157						
Smoke Observations Nuisances.	83	3		3		4	
Defective Drains	54	17	39	49	5		
" Slop Gullies " Soilpipes, W.C.s	39	9	41	37	2		
etc.	15	2	17	13	2		
Downspouts .	77	6	81	70	7	1	
Insanitary Yards	14	2	16	12	2		
Dirty Houses, etc	56	13	42	54	2		
Dirty Closets	12	3	14	11	i i		
Accumulation of Refuse	34	2	37	31	3		
Nuisance from Animals	3	1	4	3			
The state of the s	12	12		12			
Insanitary Ashpits Ashtubs without Covers	27	2	29	23	4		
	33	4	37	30	3		
Broken Sloppipes	17		16	17	. 3		
		2		17			
Insufficient Ventilation	2 3	1	2	1	1		
Insufficient Closet Accom.		3		2	1		
Overcrowding	6	6	2	6			
Dirty Bedding, etc	3	3	3	3			
Miscellaneous	9	3	9	7	2		
Convert Pail Closets	994	976		814	162		
Emitting Steam	2	2		2	2	2	

WILLIAM E. MARSDEN, Inspector.

Cellar Dwellings and Back to back houses are being done away with as occasion arises.

OFFENSIVE TRADES.

Of which we are remarkably free in Darwen, consist of Gut Scraping on a small scale, and the Town's Triperies are both as sanitary as possible.

RIVER POLLUTION.

From time to time I have mentioned the need of covering in the river to prevent the escape of noxious gases and steam. The sooner this can be done and the better. Occasionally I hear complaints of a nuisance arising therefrom.

BYE LAWS IN REGARD TO PREMISES AND OCCUPATION.

Lodging-houses.—The Municipal Model Lodging House is the only common lodging house in the town, and is frequently visited and inspected by Inspector Walsh.

The average daily number of lodgers for the year was 111.3, including women, as compared with 125.8 for the pevious year.

SUMMARY OF INSPECTIONS—NORTHERN DISTRICT.

A. Number and Nature of		Number	B. of Notice	s Served	Result of	C. Service	of Notice.
Inspection Made.	No.	Torri	Ducking	Nuis-	Remain-	Prose	cutions.
		Legal.	Prelim- inary.	Abated.	ing in hand.	Insti- tuted.	Pending
Dwelling Houses including							
houses under Town Plan							
ning Act	2075			******			
Factories and Workshops	126	23	10	20	3		
Dairies and Cowsheds	70	12	6	12			
Bakehouses	80	6	3	6			
Infectious Diseases	197						
Rooms Disinfected	110						
Smoke Observations	84	5		5		1	
Nuisances.	10000	-	2.0				100000
Defective Drains	20	10	15	16	4		
" Slop Gullies	8	2	8	6	2		
,, Soilpipes, W.C.s etc.	14	10	: 6	14			
Trougha and			7	0.0			107707
Downspouts .	51	29	51	48	3		
Insanitary Yards	9	5	9	9			
Dirty Houses, etc	31	25	31	31			
Dirty Closets	7	2	7	2	5		
Accumulation of Refuse	9	4	8	9			
Nuisance from Animals	1		1	1			
Insanitary Ashpits	î		1	1			
Ashtubs without Covers	4	2	2	4			
Broken Sloppipes	11	5	11	5	6		
Choked Waste Water Cls.	13	6	13	13			
Broken Closet rec. Doors .	3	0	3	3			
Insufficient Ventilation	4	4	4	4			
Insufficient Closet Accom.							
Overcrowding	1	1	1	1			
Insanitary Pail Closets	1178	1178		1042	136		
Dirty Bedding, etc	4	3	- 4	4			
Emitting Steam	2		2		2		

C. R. WALSH, M.R.S. Inst., Inspector of Nuisances.

In one case legal proceedings were instituted to enforce the abatement of Nuisance caused by the emission of Black Smoke, an order to abate was made by the Magistrates.

Notification of Infectious Diseases.

The following were reported to me during the year :-

Small Pox	0
Diptheria	20
Erysipelas	27
Scarlet Fever	
Typhoid Fever	20
Opthalmia Neonatorium	
Puerperal Fever	1
Tuberculosis	
Total	356

CASES REPORTED IN-

Year.	Diphtheria and Croup	Erysipelas	Scarlet Fever	Tpyhoid Fever	Continued Fever	Puerperal Fever	Smallpox	Chicken-pox	Tuberculosis	Ophthalmia Neonatorum	Total.
1887			145	14			1				160
(from Aug.)						1000		-			1000
1888			225	39			19			***	283
1889			158	20			19				180
1890	3		78	26							107
1891	1		39	50						***	90
1892			257	53			1				311
1893	5	5	242	29			6			***	287
1894	7	5	126	40	1	2 8	5				186
1895	11	27	46	36	2	8	***	***			130
1896	12	70	139	33	2 3 1	9					266
1897	5	56	101	41	1	12		***			216
1898	8	35	93	43	3	10					192
1899	12	31	400	55		7					505
1900	190	27	276	33	ï	4		***		***	531
1901	207	34	231	21	3	1 3 2 5		***			497
1902	144	15	137	34	1	3	3				337
1903	21	17	30	15		2	27	32			144
1904	34	35	689	20	***		2		****		785
1905	29	49	456	28		5					567
1906	18	17	50	17		4				***	106
1907	22	14	26	21		***	1				84
1908	14	14	22	23		4	-				77
1909	11	7	149	15		3			11		196
1910	18	32	123	12		4			5		194
1911	32	16	39	9		2 2			3		101
1912	19	31	9	3					53		117
1913	26	15	28	2		1			91	***	163
1914	20	27	206	10		1			88	4	356

DIPHTHERIA AND CROUP.—Of these diseases 20 cases were notified, as compared with 26 the year before; in 14 of these swabs were taken and sent to Manchester University for examination.

In 4 the reaction was positive
In 9 ,, ,, negative
In 1 ,, ,, doubtful

The value of this aid to diagnosis is undoubted. Where the report is positive it clears away all doubt; where negative, of course, the result is not necessarily without doubt, and my advice is always to submit another swab for examination.

There was only one house with two cases of this complaint, one was notified on July 18th and the other one on July 27th; probably the one infected the other.

In another case—No. 125—the patient had been away to Blackpool and stayed in lodgings in which there were two cases of Whooping Cough. Of course, there is no connection between these two complaints, except the possible chance of one of the patients being suffering at the time from a mild and undiscovered form of Diphtheria.

Another case—No. 163—was related to one of the other patients, which may account for the infection.

This disease is treated in the homes of the patients, but isolated as well as circumstances will allow, as we have no hospital to which to remove them.

SCARLET FEVER.

No.	of houses	with	one case	154
	,,	,,	two cases	17
			three cases	6

No. 10 case had been in contact with another patient.

No. 55 was in Bolton the week previous to commencing, and had probably been in touch with infection.

No. 76, I, as School Medical Officer, came across this person whilst desquamating in school, and sent the child home.

No. 126. had been on a holiday to Morecambe.

No. 128 had been on a holiday to Aberystwith.

No. 137 had been on a holiday to Withnell.

Within the usual period of incubation, and the same remark as to infection applies in these cases.

No. 144 was discovered by me to be desquamating whilst in school, and immediately sent home.

- No. 146. This person had been to Chorley on his bicycle a few days before becoming ill.
- No. 150. Her brother had Scarlet Fever at Bishop Auckland in July, returned home in September 14, and was notified on September 24th. She had also been to Leeds about that time.
 - No. 166. I found this one also in school desquamating, and sent him home.
- No. 159. A sister had been in Bull Hill suffering from Scarlet Fever, the patient slept with her on the night of her return home.
 - No. 170 was found desquamating in school and sent home.
 - No. 177 had been to Bolton a few days before.
- No. 201. The teacher saw that she was peeling and sent her home; in the course of a few days another member of the family commenced.
- No. 205. Treated by the parents for a common cold until desquamation proved it had been Scarlet Fever.
- No. 215 patient's mother had been to Hull for the week-end. A second case occurred here.
- No. 227. Found by doctor to be desquamating. Two more cases occurred in the house.
 - No. 245. This case was desquamating when the doctor was called in.

It is needless for me to assert that the notes on the preceding cases of Scarlet Fever prove the origin of the many cases cited; this it is almost impossible to prove; but they serve as clues in many instances and as far as possible these clues are followed up. My main reason for introducing them is to show how this disease is spread. Take, for instance, where the patient has visited another town within the incubation period and contracted the disease, how many more children have become infected from the same source it is impossible to say, probably a great many. There are also the children who were desquamating when the doctor was called in and those found in school in that condition. These must have infected many more before the complaint was diagnosed, or the patient isolated. It also indicates how difficult it is to prevent this disease spreading, in fact, the dangerous cases always are the mild, undetected ones, and one wonders that we do as well as we are doing under the circumstances. My "modus operandi" is to get the cases up to Bull Hill as soon as possible after notification; so far, I feel sure it has checked the disease in a marked manner.

There is also the influence of the school in spreading infection. Personally, I do not attach the slightest value to the period of desquamation, the skin is dead,

and in the opinion of many Medical Officers of Health it is innocuous, in fact, Dr. Killick Millard, Medical Officer of Health for Leicester, sends all Scarlet Fever cases home from hospital as soon as the febrile symptons have subsided, which means long before the skin has peeled. In my experience, the skin begins to peel about the end of the second week and continues until the end of six or eight weeks, the time varying according to the nature of the skin. The last part to desquamate as a rule being the sole of the foot, and particularly the heel, on account of the thickness of the skin. This method shortens very materially the stay in hospital and enables one to pass through the isolation hospital a great many more patients than obtains under the present regime. I do not see why we cannot do the same as Leicester: so far it is under my careful consideration.

To return to the effect of the schools in spreading infection. Take the cases mentioned in the list describing the movements of the children previous to the disease showing itself, where the parents treated the case as a common cold until peeling decided the diagnosis. These children must have been in school whilst acutely infectious; is it any wonder the disease spreads?

It seems to me important that the Medical Attendant should see the child and sign the card previous to him being allowed back in school.

The distribution was as follows:

	Central.	West- Central.	North- East	North- West.	South- East.	South- West
Population	6629	3975	9223	7728	7008	6475
Number	22	27	51	46	33	27

Table showing susceptible period :-

In my Monthly Report for February, 1914, I made the following remarks, "The last outbreak of this complaint is shown by the following figures:—

1909.....149 cases
1910.....123 ,,
1911..... 39 ,,
1912..... 9 ,,
1913..... 28 ,,
1914..... 19 ,, during the month of January
,,189 ,, to the end of the year.

showing the last epidemic to have occurred four or five years ago, commencing in

1909 and extending on into 1910. This disease most frequently attacks children from three to six years of age, or during their early school life, so the longer we can stave off an epidemic and the better chance there is of missing one of them, this is: disturb the continuity of these visitations and the more difficult it appears for them to establish themselves. The cyclical nature of epidemics of Scarlet Fever depends on the birth and growth of children during the period of quiescence until they reach the susceptible age and sufficient numbers to form an epidemic. The older the children grow and the less susceptible they become, so we have the most to fear from those who have arrived at the above-mentioned particular age. It is also of seasonal occurrence. The seasonal curve begins to rise above the mean level about the third week in August, continues its upwards course until the middle of October, remains stationary until the same time in November, or about one month, and then rapidly declines as the numbers lessen.

This epidemic periodically enables us to be forewarned, and consequently to be forearmed against an attack, just as does the rise of the four-foot earth thermometer to the standard of 56° F. against the approach of summer Diarrhœa.

The usual course of procedure is carried out in all notifiable diseases. Notices being sent to the Education Office, Free Library, and to the Head Master or Mistress as the case may be.

TYPHOID FEVER. There were 10 cases notified during the year, as compared with 2 cases in the previous twelve months.

No. 3 had a Mince Pie in the mill at which he works. His blood was positive.

No. 75 had a few Oysters some days before being taken ill. Blood positive.

No. 77 had some water cress previous to being ill. Blood positive.

No. 102 had some Black Pudding before being ill.

No. 188 had raw Mussels. Blood positive.

No. 197 had Mussels. Blood positive.

No. 210 had Mussels. Blood positive.

No. 251. Her mother suffering from Enteric Fever was an inmate of Moss Side Isolation Hospital, near Blackpool, so she must have been a visitor to that popular sea-side resort when she commenced with the disease, even if she did not contract it there. The daughter was well when she was brought home from there, but commenced a few days afterwards. This points to both patients being infected whilst in Blackpool.

This list is interesting as indicating the number of persons who commenced to be ill after taking some particular kind of food, certainly there does not appear to be anything in a Mince Pie of a dangerous character, but one does not know the particular circumstances under which it was made, this is more important than what entered into its composition. There cannot, however, be the same reserve in regard

to the other foods mentioned, such as oysters, mussels and water cress. We know the beds where these shell fish are cultivated on the Lancashire coast are not above suspicion, and it is quite possible that water cress may be contaminated from night soil being spread on adjacent land, just as celery may, and often does, become dangerous through being manured with night soil. In all cases where the person partook of mussels the reaction of the blood test was positive.

The custom of eating mussels in a raw state is much more common than one not of the habits of the artizan class would suspect; this undoubtedly increases the danger, and if one were to recommend them being cooked to lessen the danger, the cooking would consist in putting the mussel in its shell on the top bar of the kitchen fire until the shell opened, and then eating it. The said operation only opens the shell and stops far short of cooking, and the temperature certainly does not rise high enough to destroy any bacteria which may be present.

OPHTHALMIA NEONATORUM. By a memoraundum issued by the Local Government Board, in February of the year of this report, the above disease became a compulsory notifiable disease, on April 1st.

Instructions of proceedure were sent out to all the Medical men practising in the town, accompanied by books of notification forms, also to midwives.

The purpose of this Act is to draw attention to these cases and to force upon the people proper medical attendance. The danger of this early inflamation of a specific character of one or both eyes is very great, endangering the eyesight of the child, in fact, it is the direct cause of the larger number of cases of blindness to-day.

PUERPERAL FEVER. One case was notified, being the same number in the previous year.

Since the County Council was established, this disease comes under the supervision of the officials of that Authority. More care is taken in the disinfection of the Nurses' clothing, &c., which probably accounts for the decreasing number of such cases.

ERYSIPELAS. There were 27 cases, as compared with 15 in the previous year.

SMALL POX. None.

MEASLES. Not being a notifiable disease we can form only an approximate and even a vague idea of the number of cases. I have now for some time been trying to evolve a scheme for dealing with cases of this kind. The office work of the School Attendance Officers has increased to such an extent that the duties associated with their position must inevitably fall into abeyance.

I have asked the Head Masters and Mistresses to notify to me every day when Measles is prevalent the names ages and addresses of all the children absent from school on account of Measles. In company with the School Nurse the school most affected is visited, the children examined, and all suspected ones are sent home for a few days to give the disease time to develop, or otherwise.

This method appears to be a fairly effective one, the threatened epidemic is more quickly checked. The whole of the school is never closed, and instead, as under the older custom of closing a school when the children were playing about the streets and in each others homes spreading the infection, now the children remain in school under the close supervision of teachers, School Attendance Officers, the School Nurse and myself.

TUBERCULOSIS. Under the regulations, 88 cases were notified as compared with 94 in the previous year. The following Table gives detailed particulars of them.

Table Showing the Age Periods and Localisation of Tuberculosis Cases notified during 1914.

	-	_						-						-				_
DISEASES.	Ur de	r	2 to 5)	to 1.	0	1 to 2	0	2 to 3	0	3 to 4	0	t	5 0 5	100000	and ards	То	tal.
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Lungs and Skin Lung—Left Lung—Right Lungs and Brain Lungs and Right Humerus Lungs and Peritoneum. Lungs and Adrenalin Glands Pleura Hip Joint Right Hip Joint Stump, Amputation Lower Epiphisis of Femur Left Knee Left Eighth Rib Ankle Spine Spine and Left Shoulder Joint Peritoneum Intestines Mesenteric Glands Meninges Larynx. Cervical Glands Skin—Left Hand			1	1	1	5	8 2 1 1 1	1 2 1	8	7	5 1	3	8	2	2	I	31 1 2 1 1 1 1 1 1 1 1 1 1 	222
			1	3	5	6	13	10	9	8	9	5	11	4	2	2	50	38
				4	1	1	2	3	1	7	1	4	1	5		4	8	8

Consumption of the Lungs is still the prevailing part affected out of a total of 88, 53 were of the Lungs.

Forty-two deaths took place from tuberculosis of one kind or another, being 2 less than in the year before.

Pulmonary Tuberculosis headed the list with 29. Glands 5, Hip joint 2, Meninges 4, Peritoneum 1, Generalised 1.

Twenty seven cases of Pulmonary Tuberculosis were sent to various sanatoria. Twenty of these were discharged before the end of the year, with the following results

In 1 case—No report.

" 1 " Improvement.

" 1 " Considerable improvement

" 1 " No improvement

,, 1 ,, Little or no active disease

,, 3 ,, Fit for full work.

" 13 " Fit for light work

" 1 " Died.

The Consumptive patients from Darwen were sent to the following institutions:

Meathop Sanatorium, Grange. Woodburn Sanatorium Strinesdale Sanatorium Felix House Sanatorium Heath Charnock Sanatorium

Aitken Sanatorium

Bull Hill Sanatorium, Darwen

During the year 90 patients were sent by the County Committee to Bull Hill Sanatorium.

I intended giving you a special report on the cases of Pulmonary Phthisis treated at Bull Hill, but owing to my sudden break down last November and continued illness afterwards. I have not been able to collect and collate the particulars necessary for such a report.

Table showing the Age Period and Localisation of Tuberculous cases which died during 1914.

DISEASES.		yr	2	0	t 1	5 0 5	2	5 0 5	to 3	5	t 4	35 0 15 F	t	5 0 5 F	upw	and ards	То	tal.
Lungs	 I			 1	1 1 1 1 1 1		4	5 1	6	1	5	 1	5	2			21 1 2 2 1	8 3 3 1
	1	2		2				7	7			1	5				27	15

	Cases Notified	Deaths Registered	Death-rate of those attacked
Scarlet Fever	206	1	0.48
Diphtheria and Membraneous Croup	20	3	15.0
Typhoid Fever	10	5	50.0
Puerperal Fever	1	0	0.0
Erysipelas	27	0	0.0
Small Pox	0	0	0.0
Tuberculosis	88	41	46.6
Ophthalmia Neonatorium	4	0	0.00
Total	356	50	



NOTIFICATION OF INFECTIOUS DISEASES IN EACH WARD, AND FOR EACH MONTH OF THE YEAR 1914.

Experimental Fever.	1027 2 5 1 116206102720 188 4356
Consumption. Cons	27 2 5 1 116 206 10 27 20
Consumption. Cons	27 2 5 1 116 206 10 27 20
Consumption. Cons	27 2 5 1
Consumption. Cons	27 2 5 1
Consumption. Cons	27 2 5 1
Consumption. Cons	27 2 5 1
Consumption. Cons	27 2 5 1
Consumption	27 2 5 1
Typhoid Fever. Erysipelas. E	27 2 5 1
Consumption	27 2 2
Typhoid Fever. Exysipelas.	27 22
Typhoid Fever. Exysipelas.	27
Consumption. Typhoid Fever. Expained Fever	1027
Consumption. Typhoid Fever. Expaipelas. Expaipelas	9
Σ	-
Σ	1
	1 =
	7 111
	00
w w w i Searlet Fever.	33
19 6 19 19 19 19 19 19 19 19 19 19 19 19 19	223
	1 61
Diphtheria.	-
WORT C L to Diphtheria.	100
NOR Typhoid Fever.	61
aonog tolaros : =	246
aoi,aambao)	22
H Op. Neonatorum.	- 60
E SOR Typhoid Fever. E ASTH STANDER S	
Erysipelas.	4
	01
os -1 -1 co to 1 - 1 Gearlet Fever.	21
Consumption.	0.
Flever.	1 :
	-
Typhoid rever.	1 2
Typhoid Fever.	1 :
-1 & & - to - to - i Scarlet Fever.	
Consumption.	1 12 27
Puerperal Fever.	-
A Diphtheria.	60
E Prysipelas.	1 4
CENTAIN TO TAPHOID Fever.	-
or 4 to 1 is or 1 is or 10 4 to	52
1 10 10 10 10 10 10 10 10 10 10 10 10 10	1
	TOTALS
	A
EF EF	LO
TS	E
L H H H H H H H H H H H H H H H H H H H	1 3/2
NE REE REE CE C	100
MONTHS. JANUARY FEBRUARY MARCH APRIL JULY SEPTEMBER OCTOBER . NOVEMBER.	
IS MA A A B B A A B B A A B B A B A B B B A B	

Table showing the number of Pathological Specimens which have been sent for examination to Professor Delépine, Public Health Laboratory, Victoria University, Manchester.

		Dipht	heria.		Typl	hoid F	Tuberculosis. Sputum.				
YEAR.	Posi- tive.	Nega- tive.	Doubt- ful.	Total.	Posi- tive.	Nega- tive.	lotal.	Posi- tive.	Nega- tive.	Total.	
1910	1	6		7	4	3	7	3	8	11	
1911	6	8		14	4	7	11	2	9	11	
1912	7	4		11				7	11	18	
1913	8	8		16	1	7	8	28	33	61	
1914	4	9	1	14	6	2	8	65	57	122	

ZYMOTIC DEATH RATE.

1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897				
0.7	3.3	3.0	1.9	2.0	1.2	1.7	1.9	2.2	1.1	2.1	2.2	1.6				
1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914
2.08	2.34	2.90	2.14	1.03	0.76	2.07	1.00	1.14	0.69	0.76	1.10	0.51	1.51	0.86	0.27	0.4

Deaths.

The total number of deaths during the year was 595; males 279; females 316; being an increase of 16 on the previous year.

The Death-Rate for the year is 14.49, or an increase of 0.31 on the previous year.

The number of deaths of residents in Institutions outside the district was 57 which has been added to the 538 deaths registered within the district, making a total of 595.

These deaths are reported to me quarterly by the Registrar General, through the County Medical Officer of Health.

Th	e nun	aber o	f deat	hs in the	Union Workhouse, Blackburn, was	23
	,,	,,	,,	,,	Royal Infirmary, Blackburn	21
	,,	,,	,,	,,	other Institutions and places	13

Four deaths of non-residents occurred in the town during the year.

INQUESTS.—There were 30 Inquests held during the year, compared with 45 during 1913. The following were the verdicts:—

	1910	1911	1912	1913	1914
Accidental Death	18	9	18	17	14
Natural Causes	19	7	6	24	8
Suicide	5	11	4	4	8
	42	27	28	45	30
				-	-

Death-rates per 1,000 of the Population in the various Wards of the Borough.

Wards. Population.	Central. 6629	West- Central, 3975	North- East 9223	North- West 7728	South- East 7008	South- West 6475	Death- Rate per month.
1914 January February March April May June July August September October November December	12.67 21.72 7.24 7.24 19.91 7.24 14.48 9.05 14.48 9.05	9.06 12.08 3.02 12.08 9.06 12.08 6.04 9.06 9.06 9.06 12.07 6.04	27.32 14.31 10.41 9.11 14.31 14.31 9.11 10.41 14.31 15.61 11.05 23.42	23.29 13.98 21.74 4.66 18.63 9.32 3.11 9.32 15.53 7.76 6.21 9.32	17.12 15.41 11.99 8.56 13.70 25.68 15.41 10.27 8.56 20.55 15.41 5.14	16.68 16.68 20.39 11.12 22.24 12.97 14.83 7.41 16.68 9.27 14.82 12.97	19.01 14.33 15.50 8.48 14.62 16.08 9.33 10.23 12.57 13.16 12.28 11.98
Rate for year	13.73	15.09	19.52	15.53	12.27	20.39	14.49

Death-Rates in the Various Wards for the past 23 Years.

Year.	C.	W.C.	N.E.	N.W.	S.E.	S.W.	Borough
1892	16.6	20.7	18.0	14.0	20.6	19.9	18.3
1893	18.2	15.4	16.0	21.0	19.9	22.2	19.0
1894	14.66	15.22	15.54	13.04	16.96	14.63	15.0
1895	17.0	17.39	20.6	12.33	17.65	19.82	17.7
1896	12.8	17.8	16.4	17.5	19.8	19.2	17.1
1897	17.52	15.22	18.16	16.14	18.37	18.64	17.3
1898	16.09	18.58	17.82	14.99	15.51	18.0	16.8
1899	18.45	15.80	15.38	12.50	20.85	18.05	17.0
1900	20.78	17.28	21.40	21.09	20.03	20.50	20.4
1901	17.92	17.36	14.21	17.05	18.46	13.83	20 8
1902	13 13	15.78	14.13	13.60	14.11	17.34	14.6
1903	14.13	13.95	11.67	12.97	11.85	13.17	12.8
1904	14.12	15.21	14.52	20.50	14.54	14.54	15.2
1905	13.30	14.15	13.24	16.67	15.41	12.84	14.0
1906	11.40	12.83	14.66	11.68	12.52	14.64	13.11
1907	12.79	12.55	12.27	15.69	10.86	12.07	12.58
1908	11.77	13.28	13.46	15.31	11.32	13.39	13.01
1909	12.58	18.16	11 22	17.74	15.26	15.47	14.44
1910	15 02	16.18	11.67	14.37	11.51	13.24	13.33
1911	17.93	18.23	16.32	13.23	12.47	18.13	15.87
1912	14.09	15.92	12.83	12.99	13.99	14.69	13.86
1913	12.33	15.12	14.22	14.76	14.79	14.14	14.18
1914	13.73	10.31	16.15	13,19	15.12	16.37	14.49
Average	15.15	15.82	15.48	15.54	16.00	16.33]	15.83

Fopulation as per Census enumerated	Estimated Population to middle of year	Births	Deaths from all causes.	Deaths under 1 year.	Deaths 1 to 5	Deaths 5 to 15	Deaths 15 to 25	Deaths 25 to 60	Death 60 year and upward
	1886 32,185	965	641	187	154	28	29	135	108
	1887 32,491	1000	716	188	139	60	35	174	120
1881	1888 33,500	994	600	154	113	32	33	145	118
29,747	1889 34,500	972	544	149	90	16	31	161	107
	1890 36,500	1075	673	184	68	28	30	196	167
	1891 34,192	1115	660	168	115	32	26	193	126
	1892 35,000	1057	641	177	85	35	64	175	105
	1893 35,500	955	677	184	101	40	44	167	141
	1894 36,000	1039	542	130	67	17	46	174	108
1891	1895 36,000	1128	640	179	92	16	43	186	124
34,192	1896 36,652	1032	627	187	102	17	26	163	132
	1897 37,500	1114	651	182	87	19	33	195	135
	1898 37,500	1131	632	199	79	22	27	174	131
	1899	-		200	90	23	26	189	119
	37,900 1900	1062	647	1		- 000	33	196	183
1001	38,600 1901	980	789	188	144	45			
1901	38,212 1902	858	620	145	100	33	20	166	156
38,212	38,712 1903	891	569	135	58	32	27	174	143
	39,114 1904	941	501	117	51	17	18	151	147
	39,516	820	606	123	110	35	29	160	149 65 and
	1905 39,918	818	562	118	61	31	30	25 to 65 216	1pward
	1906 41,164	811	540	111	65	19	18	202	125
	1907 41,864	876	527	104	49	21	26	217	110
	1908 42,266	895	550	107	33	20	19	240	131
	1909 42,668	816	616	104	63	28	31	250	140
1911	1910 43,000	776	573	95	36	25	35	229	153
40,332	1911 40,389	756	641	116	74	20	24	246	161
40,332	1912	691	563	. 88	40	25	24	247	139
	40,611 1913					23	20	251	153
	40,824 1914	738	579	94	38				176
	41,038	765	595	91	31	23	24	250	170

Bronchitis.

Deaths at the different age periods during the last twenty-two years.

-	Under			101 00	0	60 and	m
YEAR.	1 year.	1 to 5.	5 to 15.	15 to 25	25 to 60	upwards.	Total
1893	41	24	3		12	29	109
1894	27	20			7	17	71
1895	24	13			21	26	84
1896	36	28			10	20	94
1897	25	13			22	26	86
1898	22	12			10	21	65
1899	29	12			16	16	73
1900	18	7			20	36	81
1901	16	10			11	30	67
1902	19	8	1		7	22	57
1903	17	8			4	20	49
1904	8	10			11	19	48
		1	1000		-	65 and	
					25 to 65	upwards.	
1905	15	5			12	19	51
1906	16	5			11	23	55
1907	16	9		1	10	12	48
1908	8	7 .			9	18	42
1909	22	8			25	26	81
1910	7	3			16	23	49
1911	6	7	1		12	18	. 44
1912	11	6			13	20	50
1913	17	3	2	1	11	17	51
1914	14	3			20	37	74
Total	414	221	7	2	290	495	1429

Pneumonia.

Deaths at the different age periods during the last twenty-two years.

YEAR.	Under 1 year.	1 to 5.	5 to 15.	15 to 25	25 to 60	60 and upwards.	Total.
1893	8	8	1	1	24	8	50
1894	5	4	1		19	4	33
1895	9	4	1	1	15	4	34
1896	9	9	2		17	3	40
1897	14	12	2	2	31	10	71
1898	11	13			18	8	53
1899	12	14	3 2 3		21	8	57
1900	20	28	3	1	25	11	88
1901	19	14	1		15	11	60
1902	16	12	2	2	28	4	64
1903	8	8	1		18	6	41
1904	13	19	1		15	5	53
						65 and	
	1000000				25 to 65	upwards.	
1905	12	12	6		13	4	47

Pneumonia.—Continued.

YEAR.	Under 1 year.	1 to 5.	5 to 15.	15 to 25	25 to 65	65 and upwards.	Total.
1906	11	19	5	5	20	6	66
1907	18	16	3	2	17	6	62
1908	4	4		2	12	1	23
1909	12	10	6	2	14	3	47
1910	10	12	2	2	19	6	51
1911	8	10	1	4	17	8	48
1912	9	11	2	2	14	6	46
1913	3	9	2	1	16	5	36
1914	7	3	4		24	5	43
Total	238	251	51	29	412	132	1113

Phthisis.

Deaths at the different age periods during the last twenty-two years.

Total	3	10	20	62	558	32	685	
1914			1	9	19		29	0.70
1913			1	5	26		32	0.78
1912			3	3	23		29	0.71
1911		1		7	26		34	0.84
1910				6	16	2	24	0.56
1909			2	7	26		35	0.82
1908			3	3	19		25	0.59
1907		1	1	5	28		35	0.84
1906			1	2	16		19	0.46
1905		. 1.		8	24	3	36	0.90
				1000	25 to 65	upwards.		1000
2002111111		7				65 and	-	0.00
1904	1	3	3		28	3	38	0.96
1903		1000	ï	1	18	2 2 3	22	0.56
1902		2	1		27	2	31	0.80
1901			1	2	23	3	29	0.76
1900	1		1	î	25	2 2	30	0.82
1898 1899	*** 1		1	2	26	2	31	0.82
1897			***	***	26 26	2	27 28	0.72
1896	1	1			25	2	29	0.79
1895	***			•••	34	4	38	1.06
1894		1	1	1	42		45	1.2
1893					35	4	39	1.10
YEAR.	1 year.	1 to 5.	5 to 15.	15 to 25	25 to 60	upwards.	Total.	Rate
	Under	1	Town to the			60 and		Lance Contract

DEATHS OF PERSONS 65 YEARS AND UPWARDS.

Senile Decay	33
Bronchitis and Pneumonia	43
Heart Disease	14
Apoplexy	20
Injuries	2
Phthisis	0
All other causes	64
	176

DEATS FROM CONSUMPTION.

Tuberular Meningitis	3
Tubercular Peritonitis	1
Phthisis Pulmonalis	29
Tubercular Mesenteric Glands	5
Tubercular Hip Joint	2
Tuberculosis Generalised	1
The part of the second	41

DISINFECTION.

During the year infected bedding was removed from 179 houses for disinfection, and 213 rooms were fumigated.

LIST OF BEDDING DISINFECTED DURING 1914.

Beds.	Mattresses.	Bolsters.	Pillows.	Quilts.	Blankets.	Sheets.	Suits of Clothes.	Carpets.	Rugs.	Curtains.	Cushions.	Shawls.	Sundries.
200	43	163	216	183	290	72	4	5	6	0	19	25	212

INFANTILE MORTALITY.

The number of Infants who died during the year was 91, making an Infantile Mortality Rate of 119.

With the exception of 1911, this rate has gradually but slowly become lower, until 1914, when it reached 119 per 1,000 births; 1911 was a particularly bad year for babies. It is impossible to give reasons why this rate should remain at its high figure. Comparisons have been made in Government Reports between Burnley, where the rate is high and Nelson where it is exceptionally low, and so far without arriving at a solution. In my opinion, it is mostly a social matter. Burnley is an old town with many old quarters, unfavourable in the home life. In their surroundings and habits old associations die hard and bad habits are difficult to eradicate. Accumulated dirt, want of free ventilation and armies of flies in hot weather, all tend to the rapid souring of milk and its ill effects on the baby, no doubt combined with careless habits, keep the rate up in the one place whilst in the other, the rapid growth of a new industrial town with new houses, wide, well paved streets, and possibly higher wages all induce a better class artizan to settle within its borders, possibly depleting the neighbouring town of its best workpeople. The more favourable surroundings help to bring the population up to a higher plane, industrious, cleanly and thrifty, improving, no doubt, the morale of the people with its beneficial effects on the Infantile Death Rate, this comparison must not be taken as a reflection on the people of, or on the older town itself. To bring it up to the level of the newer town would mean its razing to the ground and rebuilding it, an impossible task.

With the visits of the Health Visitor and the influence of the Mothers' Club we are making steady, if slow, progress.

During the First week there were 25 deaths, as follows—Convulsions 1, Enteritis 1, Injury at Birth I, Atelectisis 1, Premature Birth 13, Marasmus 4, Other Causes 4. Premature Birth heads the list with a comparatively high figure; how far occupation, or going to work too near confinement affects this we do not know. Constitutional disability, habit or preventive measures may influence it largely.

One to Two weeks, there were 6 deaths: Convulsions 1, Bronchitis 1, Congenital Malformations 3, Marasmus 1; here the causes were unavoidable.

Two to Three weeks, 3 deaths: Congenital Malformation 1, Marasmus 2.

Three to Four weeks: 1, overlaid.

Four weeks and under three months, 21 deaths: Tubercular Meningitis 1, Convulsions 1, Bronchitis 3, Pneumonia I, Enteritis 4, Syphilis 1, Congenital Malformation 1, Premature Birth 3, Marasmus 6.

Three to Six months. 11 Deaths: Whooping Cough 1, Bronchitis 3, Pneumonia 2, Enteritis 3, Gastritis 1, Other causes 1.

Six months to nine months. 13 deaths: Whooping Cough 1, Tubercular Meningitis 1, Convulsions 2, Bronchitis 3, Pneumonia 2, Enteritis 1, Marasmus 1, Other Causes 2.

Nine months to twelve months. 11 Deaths: Abdominal Tuberculosis 1, Convulsions 1, Bronchitis 4, Pneumonia 2, Enteritis 1, Other causes 2.

Total number of deaths 91, of which 2 were illegitimate, out of 28 illegitimate births during the year.

There is no doubt, judging from the causes of death in some of these cases, that wrong and injudicious feeding had much to do in keeping up the rate amongst the infants

If we can extend the scope of the work of the Mothers' Club, we shall do a great deal to lessen the number of these deaths' I do not think we get quite the class of mothers at the meetings we should do; they who attend are usually well dressed with well cared for babies. This has a tendency to keep away the poorer classes, as they do not like to risk an invidious if unspoken comparison. The work is too much for one person with other duties to perform. I hope, however, next year to be able to report a better state of things, or at least the inaugration of such.

I have received the following Report from Miss Orpin, Health Visitor :-

HEALTH OFFICE, May, 1915.

SIR,

During the year 1914 I have paid 428 first visits after the notification of births, and 537 second visits. Of these 382 were not attended by a medical man at or before the time of the first visit.

I made a note of how 409 of the Babies were being fed.

304 at the breast.

105 by means of a bottle.

65 bottle without tube.

11 bottle with glass tube.

29 bottle with long rubber tube.

As to food :-

95 with a milk and water mixture.

7 with tinned prepared foods.

1 undiluted milk.

1 Nestle's milk.

1 Nestle's milk and barley water.

As a general rule the milk is sterylised, and lime water is often used.

The Mothers Club which meets fortnightly on Saturday afternoons, from September till the end of May, continues to work very well. During the year the average attendance was 44. Lessons have been given on Home and Personal Hygiene; on the care of Mothers and Infants; on Feeding Infants and young children. Also practical lessons in cooking, cutting out and making little garments.

Mothers with infants, and expectant mothers are invited to become members, and may remain members if they wish till the youngest child is 5 years old.

I am, Sir,

Yours obediently,

C. A. ORPIN, Queen's Nurse, etc. (Health Visitor).



GOVERNMENT TABLE IV.

NAME OF DISTRICT—DARWEN.

INFANT MORTALITY DURING THE YEAR 1914.

Nett Deaths from stated Causes at various Ages under 1 Year of Age.

CAUSE OF DEATH.	Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-3 months	3-6 months	6-9 months	9-12 months	Total deaths under
ALL CAUSES— Certified Uncertified	22 3			1	32	21	10	11 2		85 6
Small-pox Chicken-pox Measles Scarlet Fever Whooping Cough. Diphtheria and Croup Erysipelas. Tuberculous Meningitis Abdominal Tuberculosis Other Tuberculous Diseases Meningitis (not Tuberculous) Convulsions Laryngitis. Bronchitis Pneumonia (all forms) Diarrhœa Enteritis Gastritis Syphilis Rickets Suffocation, overlying Injury at Birth Atelectasis Congenital Malformations Premature Birth Atrophy, Debility and Marasmus Other Causes		 	··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··							2 2 2 1 6 6 14 7 10 1 1 1 1 1 5 16 14 9
TOTALS	25	6	3	1	35	21	11	13	11	91

Nett Births in the Year.		Nett Deaths in the Year of—	
Legitimate	737	Legitimate Infants	89
Illegitimate	28	Illegitimate Infants	9

DEATHS UNDER ONE YEAR OF AGE.

Year.	Premature Birth.	Convulsions.	Bronchitis & Pneumonia.	Diarrhœal Diseases.	Whooping Cough.	Measles.	Inanition.	Congential Defects.	Other Causes.	Total.	Rate per 1,000 Births.
1886										187	193
1887	19	42	31	16	8	2	13		57	188	188
1888	100000			100000000000000000000000000000000000000	10. 35397					154	155
1889	27	28	24	14	iii	2	17		26	149	153
1890										184	171
1891	20	39	33	8		10	12		46	168	151
1892	15	36	37	5	11		13		60	177	167
1893	24	22	49	16	2	9	12		50	184	193
1894	21	17	30	6	10		8		38	130	125
1895	16	17	33	41	3	13	27	6	36	179	158
1896	25	14	44	35	15	3	18	6	30	187	181
1897	27	11	39	35	4	13	22	8	36	182	163
1898	33	6	33	58		11	12	9	48	199	175
1899	22	18	41	43	7	1	9	12	48	200	188
1900	36	16	38	27	4	9	18	5	44	188	191
1901	20	8	35	24	6	3	15	7 7	30	145	169
1902	23	6	35	16	6	1	7	7	35	135	151
1903	21	2	25	16	7	2	17	4	5	117	124
1904	15	2	21	29	13	8	13	5	25	123	150
1905	31	5	27	11		1	17	5 3 3 4	24	118	144
1906	18	5	27	19		4	9	3	30	111	136
1907	18 18 27	9	34	11	4		7	4	17	104	118
1908	27	3	12	26	1		10	4	24	107	120
1909	21	1	34	10 12	8	7	6	5	12	104	127
1910	19 22	11	17	12	3		5	3	25	95	122
1911	22	2	14	23		9	18		27	116	153
1912	13	4	20	6 12	10	3	9	4	19	88	127
1913	17	1	20	12	1	2	18	6	17	94	127
1914	16	6	21	10	2		14	5	17	91	119

TABLE showing Infantile Mortality in the Various Wards.

Year.	C.	W.C.	N.E.	N.W.	S.E.	S.W.	Boro.
1898	195	193	219	125	122	164	175
1899	215	147	189	154	212	161	188
1900	225	183	238	170	158	163	191
1901	182	169	160	208	157	162	169
1902	138	135	146	121	174	174	151
1903	156	157	117	160	94	91	124
1904	152	96	126	172	194	152	150
1905	171	144	153	107	138	139	144
1906	117	179	160	62	158	140	136
1907	153	156	158	82	35	122	118
1908	102	131	133	105	103	140	120

Table showing Infantile Mortality in the Various Wards.—Continued.

Year.	C.	W.C.	N.E.	N.W.	S.E.	S.W.	Boro.'
1909	144	180	108	116	114	128	127
1910	155	169	93	101	109	152	122
1911	165	159	174	102	123	188	153
1912	82	155	110	145	165	128	127
1913	105	162	135	123	157	90	127
Average for 16 yrs	153	157	151	128	138	143	145
1914	98	128	122	94	170	99	119

	Males.	Femal	es.	Total.
Disease of the Respiratory System	13	8		21
Disease of the Digestive System	6	 7		13
Malformations	1	 4		5
Disease of the Nervous System	5	 2		7
Disease of Early Infancy	12	 20		32
General Diseases	2	 4		6
Affections produced by External Causes	1	 0		1
Uncertified	3	 3		6
Inquests	0	 0		0
	43	48		91

NOTIFICATION OF BIRTHS ACT, 1907.

Table showing the number of Births Notified during 1914.

	Male.	Female.	Total.	Stillborn.
JANUARY	32	26	58	3
FEBRUARY	19	30	49	2
MARCH	32	34	66	6
APRIL	43	45	88	6
MAY	39	48	87	3
JUNE	36	32	68	4
JULY	29	31	60	4
AUGUST	36	30	66	2
SEPTEMBER	33	32	65	2
OCTOBER	32	31	63	4
NOVEMBER	30	24	54	2
DECEMBER	29	41	70	3
	390	404	794	41
		-		

Births !	Notified by	Midwives	704
,,	,,	Medical Men	21
,,	,,	Parents	21
,,	,,	Midwives and Medical Men	37
,,	,,	Parents and Medical Men	7
,,	,,	Parents and Midwives	2
,,	,,	Others	2
			-
		Total	794
			-
All	births wer	re notified with the exception of 9, or 1.1 per cent. of the	total.
Births	visited after	receipt of Notifications	428
Births	re-visited	,, ,, ,,	537

Table showing Births Notified, Visits, etc.

		Births N	otified.			hs not tified.		irths sited.	
Year.	Males.	Femal's	Total.	Still- born.	No.	Prose- cutions.	No.	of Total	Births Revis'd
1909	433	400	833	39	27	13	644	77.3	323
1910	429	396	825	25	7	2	539	65.3	785
1911	395	388	783	43	6	0	483	61.7	627
1912	373	336	709	45	10	0	465	65.6	587
1913	407	366	773	46	12	0	351	45.4	560
1914	390	404	794	41	9	0	428	54.2	537



ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH FOR THE YEAR 1914, FOR THE BOROUGH OF DARWEN.

On the Administration of the Factory and Workshop Act, 1901, in connection with :—

FACTORIES, WORKSHOPS, WORKPLACES, AND HOMEWORK. I.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

		NUMBER OF	F
Premises.	Inspections	Written Notices.	Prosecu- tions.
Factories (including Factory Laundries)	106	5	
Workshops (including Workshop Laundries)	344 _	41	
Workplaces (other than Outworkers' premises included in Part 3 of this Report)			
Total	473	46	

II.—DEFECTS FOUND.

Particulars. Nuisances under Public Health Acts:—	No. of Found.	Defects. Remedied	Prosecu- tions
Want of Cleanliness	15	15	
Want of Ventilation	1	1	
Overcrowding			
Want of Drainage to Floors			
Other Nuisances	6	6	
SANITARY ACCOMMODATION :-			
Insufficient	2	2	
Unsuitable or Defective	15	15	
Not Separate for Sexes			
Total	39	39	
Want of Drainage to Floors Other Nuisances Sanitary Accommodation: Insufficient Unsuitable or Defective Not Separate for Sexes	6 2 15	 6 2 15 	

III.-HOME WORK.

	L	ists r	ecei	ived	fro	-	rs, Section 107			WHOLE	ORK IN ESOME SECTIO	PREM-	OUTWORK IN IN- FECTED PREMISES SECTIONS 109, 110		
NATURE OF WORK.	twic	ondinge in year Ou work	the	once	endir e in year Or wor	the ut- k'rs	Notices served on Occupiers as to keeping or sending lists	Failing to keep or permit inspection of lists	Failing to send lists	Instances	Notices served	Prosecutions	Instances	Orders made (S, 110)	Prosecutions (Sections 109, 110)
(1) Wearing Apparel— (1) making, &c	(2)	: © Contractors	9 Workmen	(5)	: @ Contractors	: 3 Workmen	: 8 Not	6 Fallir	(10) ————————————————————————————————————	(11)	(12)	(13)	(14)	(15)	(16)

IV.—REGISTERED WORKSHOPS.

Workshops	261
Bakehouses	67
Laundries	4
Other Workshops	23
Total	355

V.—OTHER MATTERS.

Number.

Matters Notified to H.M. Inspector of Factories-

GOVERNMENT TABLE I.

Vital Statistics of whole District during 1914 and previous Years.

NAME OF DISTRICT-DARWEN.

			Births.		Total Register	Total Deaths Registered in the	Trans	Transferable Deaths.		Nett Deaths belonging to the District.	selonging to trict.	
	Population				DIS	District.		No. of Street, or other Persons and Street, o	Under 1 Y	Under 1 Year of Age.	At all Ages.	ges.
Year.	Middle of	Un-	Nett.				of Non- residents	of Resi- dents not		Rate per		-
		Number.	Number.	Rate.	Number.	Rate.	register d in the District.	in the District.	Number.	Nett Births.	Number.	Rate.
-	67	3	4	5	9	1-	00	6	10	11	12	13
1909	42,668	816	816	19.12	564	13.22		52	104	127	616	14.44
1910	43,000	776	776	18.05	619	12.07	:	54	95	122	573	13.33
1161 65	40,398	754	756	19.71	592	14.65	65	52	116	153	641	15.87
1912	40,611	687	169	17.02	200	12.31	10	73	88	127	563	13.86
1913	40,824	735	738	18.08	518	12.69	9	67	94	127	629	14.18
1914	41,038	761	Males 765 384 Females 381	18.64	542	13.21	4	10	16	119	Males 595 279 Females 316	14.49

Institutions outside the District receiving sick and infirm persons from the District:

Union Workhouse, Blackburn. Blackburn and East Lancashire Royal Infirmary, Blackburn.

Other Institutions, the deaths in which have been distributed amongst the several localities in the District:—

Asylum, Lancaster.
Workhouse, Fulwood, Preston.
Royal Infirmary, Blackburn.
Union Workhouse, ,,
Infirmary, Bolton.
Baines Convalescent Hospital,
Stockport.

Is the Union Workhouse within the District? No.

GOVERNMENT TABLE III.

Cases of Infectious Diseases notified during the Year 1914.

NAME OF DISTRICT-DARWEN.

Doction in	Hospital of	Removed from this District.	:			::	::		::	::	::	::		:		
Hotel H	Cases	to Hospital.	:			89				::			::			89
	2	South- West Ward.	:		1	27		67		::			1	12	4	52
Total Cases Notified in each Locality. (e.g. Parish or Ward) of the District.	10	South- East Ward.	:		111	33		3		::				9	3	63
Cotal Cases Notified in each Locality (e.g. Parish or Ward) of the District.	,	North- West Ward.	:		1	46		2	:	: :			cı	17	9	- 62
es Notifie sh or Wa	c	North- East Ward.	:		3	51		2		::			1	16	5	82
Total Cas (e.g. Pari	6	West Central Ward.			1	272			::	::		:	:	4	61	36
	-	Central Ward.	:		3	4 61		1	:	-	::			6	4	44
		65 and up's.	:	:	:	27	:	-	:	::	:	:	:	65	1	00
od.		45 to 65	:	:	::	15	:		:	::	:	:	:	13	2	30
Number of Cases Notified	ears.	25 to 45	:	:	::	2-	:	2	:	-	:	:	:	27	4	48
ses D	s-Y	15 to 25	:	:	***	::1	:	3	:	::	:	:	:	15	00	169 43
of Ca	At Ages—Years.	5 to 15	:	:	=	146	::	-	:	: :	:	:	:	9	5	169
nber	A	1 55	:	:	6	40	::		:	: :	:	:	:	:	4	53
Nur		Un- der 1	:	:	::	:-	::		: -		:	:	4	:	:	5
		At all Ages	:	:	20	27	::	10	:	-	:		4	64	24	356
		Notifiable Diseases.	Smallpox Cholora	Diphtheria (including	Membranous Croup)		Typhus Fever	Enteric Fever	Continued Fever	Puerperal Fever Cerebro-Spinal Menin-	gritis	Ophthalmia Neona-	E	: 0	culosis	Totals

ISOLATION HOSPITAL.—Bull Hill Hospital, Darwen. SANATORIA, &c.—Bull Hill Sanatorium, Darwen. (Intemporary use for County Patients).

GOVERNMENT TABLE III.

Causes of, and Ages at Death during the Year 1914. NAME OF DISTRICT—DARWEN.

	- 66	Resid	lents	ths a "wh thou	ether	occu	urring	with	of nin	eaths whether of 'Re- or 'Non-residents' in ions in the district (b)
Causes of Death.	All	Under 1 year	1 and under 2 years	2 and under 5 years	5 and under 15 years	15 and under 25 years	25 and under 45 years	45 and under 65 years	65 and upwards	Total deaths whe sidents' or 'Non-I Institutions in th
1	2	3	4	5	6	7	8	9	10	11
ALL CAUSES—										
Certified (c) Uncertified		85 6	14	16	23	24	84	163	173	5
Enteric Fever	5					2	2	1		
Small PoxMeasles										
Scarlet Fever	ī			ī		***				
Whooping Cough	6	2	2	2						
Diphtheria and Croup	4			3	1					
Influenza						1	3	1	1	
Erysipelas	1						10			5
Phthisis (Pulmonary Tuberculosis) Tuberculous Meningitis	29				1	9	12	"	•••	0
Other Tuberculous Diseases	9	ĩ	1		3	2	2	***		
Cancer, malignant disease	45						4	24	17	
Rheumatic Fever	5			1	1		1	2		
Meningitis				1						
Organic Heart Disease			1		1	2	11	23	14	
Bronchitis		14	1	2			3 9	17 15	37 5	
Other Diseases of Respiratory Organs	8		1	2	1		1	3	2	
Diarrhœa and Enteritis	18	10	2	1	i		î	ĭ	2	
Appendicitis and Typhlitis	3					2	1			
Cirrhosis of Liver	5					***		4	1	
Alcoholism										
Nephritis and Bright's Disease Puerperal Fever	26		1				6	13	6	
Other accidents and diseases of Preg- nancy and Parturition										
Congenital Debility and Malformation,	39	1000	***	1000	***	***	6			
including Premature Birth	35	35								
Violent Deaths, excluding Suicide	14	1		1	1	2	3	2	4	***
Other Defined Diseases	164	13	2		7	3	2 14	49	82	***
Diseases ill-defined or unknown	21	6	ĩ		í		2	6	5	
TOTALS	595	91	15	16	23	24	84	166	176	5
Sub-entries included in above figures:			3						100	
Cerebro-spinal Meningitis										
Poliomyelitis										

Deaths of Children at School Ages for the last seventeen years.

								_	_	_	_		_					
tal.	E.	15	23	44	33	17	13	28	16	15	11	6	18	20	22	16	22	6
Total.	M.	20	17	36	30	24	00	32	22	13	14	12	15	11	11	16	6	14
13	E.	-	:	-	:	:	:	-	:	67	:	:	1	:	1	3	-	:
12 to	M.	1	:	4	-	67	::	-	:	:	3	67	1	67	:		:	:
12	F.	1	-	1	1	-	:	:	-	23	3	-	67	67	-	:	:	-
11 to	M.	-	:	1	-	-	:	67	22	67	:	:		22	-	-	1	1
11	E.	-	-	3	3	-	60	:	:	:	:	:	:	:	7	3	67	-
10 to	M.	1	-	:	-	-	:	:	-	:	-	:	2	:	-	21	:	-
10	F.	:	67	8	20	:	67	4	:	:	-	:	-	22			:	22
9 to	M.	:	::	:	1	20	:	67	2	1	60	3	::		1		::	23
6 0	F.	1	4	67	67	-	67	3	***		1	1	1	:	67	2	3	1
8 to	M.	:	-	2	67	1	1	67	9	3	::	-	2		1		2	:
to.8	F.	2	-	9	2	4	::	3	1	67	::	3	1	3	***		3	:
7 to	M.	1	1	1	3	:	1	-	***	7	::	-	2	1		3	2	2
2 0	F.	:	3	3	3	:	:	9	9	-	:	-	3	9	-	2	-	:
6 to	M.	1	_	4	67	8	3	-	-	1	:	-	-	2	1	3	::	:
90	F.	:	4	6	4	1	1	-	4	:	3	:	3	1	4	67	20	67
5 to	M.	7	3	3	2	63	-	3	1		-		3	-	1	3		5
0 5	E.	4	2	67	9	4	4	23	67	5	-	-	-	2	9	1	2	-
4 to	M.	9	7	12	7	3	1	7	23	4	-			23	2	1		2
3 to 4	E.	2	63	14	7	2	1	00	2	3	2	2	2	4	9	3	20	-
3 t	M.	23	00	6	10	9	1	13	1	1	2	4	4	1	8	8	4	1
		1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1161	1912	1913	1914

Estimated Population, Number of Deaths, and Death-rates from all Causes, from Zymotic Diseases, of Children under 1 Year, and Persons of 60 years and upwards, during the last 24 years.

Percentage of Deaths of Aged Persons to Total Deaths.		29.5
Total Deaths of Persons 60 Years and Upwards.	126 105 107 124 132 132 133 133 143 147 147 149 65 and up'ds 125 110 110 131 153 153	176
Percentage of Deaths under I Year to Total Deaths.	25.7.1 27.1 2	15.2
Death Rate from Zymotic Total Deaths Diseases under per 1,000 of Population. Population. Age.	168 177 184 130 179 182 183 183 194 104 104 116 116 116 116 116 116 116 116 116 11	91
Death Rate from Zymotic Diseases per 1,000 of Population.	1.1.22.1.22.1.22.1.22.1.22.1.22.1.22.1	0.44
Total Deaths from Seven Principal Zymotic Diseases	60 67 67 61 88 88 88 89 63 63 64 64 65 65 65 65 65 65 65 65 65 65 65 65 65	18
Death Rate per 1,000 of Population.	19.30 15.05 17.77 17.10	14.49
Estimated Total Deaths from Middle all causes of Year.	660 641 641 642 640 640 627 627 641 661 661 661 673 673 673	595
Estimated Population at Middle of Year.	34, 192 35, 000 36, 000 36, 000 36, 000 36, 000 37, 500 37, 500 38, 212 38, 212 38, 212 39, 114 41, 164 41, 164 42, 266 42, 266 43, 000 40, 398 40, 611	41,038
YEAR.	1891 1892 1893 1894 1895 1896 1900 1900 1900 1900 1900 1911 1911 19	1914

Deaths during the Twenty-Three Years, 1892 to 1914 inclusive, of Children under 5 years.

	914	6-12::::::::::::::::::::::::::::::::::::	
	1913 1914	[4	
	2 15		
	191	19 18 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	1161	:52	
	1910	: : : : : : : : : : : : : : : : : : : :	
	1909	: 52 - 14 : : : : : : : : : : : : : : : : : :	
	1908	::-04: :::5:::::::::::::::::::2	
	1907		
AGE.	9061	22 ::::::::::::::::::::::::::::::::::	
OF ,	1892 1893 1894 1895 1896 1897 1838 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912	1841 : : : : : : : : : 1 4 2 2 8	
1	1904	121 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
YEARS	1903	:51:48: :1:1::::::::::::::::::::::::::::::	
5 1	1902	18. 25 1 1 1 1 4 1 1 1 1 2 25 1 14	
ER	1061	: - 8 6 1 5 : - : 4 : : : : : : : : : : : : : : : :	
UNDER	1900	:2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2	
-	6681	:857452 :::52:::1 ::: 74444	
	1898	152 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
	1897	:82 2 1 6 1 : : : : : : : : : : : : : : : : :	
	1896	1470 26 2 1 1 1 2 1 1 2 2 2 2 2 2 2 2 2 2 2	
	1895	138 138 1 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	1894	1 6 6 1 6 1 6 1 8 1 8 1 8 1 1 1 1	
100	1893	:27. 4 2 E : : : 0 : : : : : 1 4 : - 1 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	
	1892	13.83 63 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		Smallbox 13 Measles 13 Scarlet Fever 13 Diphtheria 26 Whooping Cough 26 Croup 17 Continued Fevers 2 Typhoid 2 Others 1 Diarrhoa and Dysentry 5 Crolera Rheumatic Fever Erysipelas 1 Pyæmia 1 Pyæmia 1 Pherperal Fever 2 Ague 2 Phthisis 3 Bronchitis, Pneumonia, and Pleurisy 63 Heart Disease 1 Injuries 3 Injuries 3 Injuries 3	

Deaths during the Twenty-Three Years, 1892 to 1914 inclusive, of Persons of 5 years and upwards.

1	1914	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	1913	2772256 32 1 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 2 1
	1912	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	1161	: 12 : : : : : : : : : : : : : : : : : :
1	1910	::14 :: : : : : : : : : : : : : : : : :
	1909	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	1908	268 25 25 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	1907	1 : : : : : : : : : : : : : : : : : : :
SDS.	1906	11 11 11 11 11 11 11 11 11 11 11 11 11
UPWARDS	896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914	200 200 200 200 200 200 200
UP	1904	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
AND	1903	11 11 11 11 11 11 11 11 11 11 11 11 11
1	1902	:247 :: :: :: :: :: :: :: :: :: :: :: :: ::
YEARS	1901	100 12 23 23 25 25 25 25 25 25 25 25 25 25 25 25 25
-	1900	:244 : 8 : 4 : 2 : 2 : 1 : 2 : 5 : 5 : 5 : 5 : 5 : 5 : 5 : 5 : 5
	1899	31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	1898	189 447 189 189
	1897	197
	1896	184 157 184 184 184 184 184 184 184 184 184 184
	1895	
	1892 1893 1894 1895 1	180 180
	1893	10 10 10 10 10 10 10 10 10 10 10 10 10 1
	1892	
		Smallpox Measles Scarlet Fever Diphtheria Whooping Cough Croup Croup Typhus Typhoid Others Diarrhœa and Dysentery Rheumatic Fever Erysipelas Pyæmia Pywmia Pywmia Pherperal Ague Pherperal

STATISTICS FROM LANCASHIRE TOWNS.

TOWN.	Estimated Population, 1914.	Birth Rate (per 1,000).	Death Rate (Corrected).	Zymotic Death Rate.	Respiratory Death Rate.	Phthisis. Death Rate.	Death Rate from other Tubercular Diseases.	Infantile Death Rate per 1,000 Births.	Cancer Death Rate.
Accrington Ashton-under-Lyne. Bacup Barrow-in-Furness Blackpool Bolton Bootle Burnley Chadderton Chorley Colne Eccles. Lancaster. Liverpool Manchester Middleton Oswaldtwistle Radcliffe Salford Stretford Waterloo-with-Seaforth Wigan DARWEN	45,179 22,500 68,523 66,314 185,247 73,230 110,040 29,512 31,500 27,404 43,300 38,593 767,992 739,136 28,750 16,210 26,050 234,975 45,100 29,079	23.7 18.71 28.6 14.47 22.1 31.7 23.5 24.1 24.03 17.69 21.6 20.49 30.0 25.30 19.8 22.27 19.46 26.9 18.0 22.21 29.18	13.98 18.4 17.95 14.3 13.76 15.8 17.9 16.4 15.2 16.64 12.69 13.09 13.19 19.5 16.76 14.6 15.73 14.90 17.1 11.9 14.20 17.09 14.49	1.09 3.3 1.22 0.94 0.4 1.66 2.31 1.9 1.8 2.38 1.20 0.99 0.46 2.7 1.20 1.6 1.41 0.65 1.9 0.48 1.27 2.38 0.44	2.40 3.8 3.54 2.67 2.00 3.00 3.81 3.8 2.7 2.50 2.07 2.26 1.81 4.3 3.44 2.25 2.89 3.14 3.8 1.97 1.85 4.13 3.11	0.87 1.2 1.20 0.91 1.04 0.90 1.17 1.02 1.05 0.73 0.83 1.8 1.39 1.4 1.70 1.18 0.92 0.76 1.6 1.00 1.09 0.95 0.76	0.48 0.4 0.35 0.56 0.3 0.29 0.37 0.20 0.33 0.19 0.23 0.5 0.49 0.31 0.12 0.26 0.5 0.17 0.41 0.31 0.31	117 183 126 104 110 118 123 158 101 149 117 105 86 139 128 126 144 124 126 83 85 139 119	1.07 0.7 1.00 0.72 1.41 0.93 0.94 0.82 0.9 0.89 0.83 0.93 0.9 1.00 1.18 1.41 1.03 1.1 1.48 1.13 0.64 1.09

INFECTIOUS DISEASES NOTIFIED.

					rlet				FEV	ERS.	
	TOWNS.	Small	Pox.	Fev	er.	Diphti	heria.	Тур	hoid.	Puer	eral.
	TOWNS:	Num- ber.	Rate per 1000								
1.	Hyde			447	13.37	18	0.54	5	0.15	1	0.03
2.	Stockport		***	455	4.18	71	0.65	24	0.22	3	0.03
3.	Macclesfield			126	3.62	37	1.06	10	0.28	4	0.11
4.	Crewe			134	2.98	100	2.22	5	0.11	2	0.04
5.	Chester			82	2.10	60	1.54	12	0.31	5	0.13
6.	Birkenhead	***		381	2.91	126	0.90	22	0.16	6	0.04
7. 8.	Wallasey Bootle		***	253	3.22 2.72	84	1.07	23	0.29	1	0.01
9.	Liverpool	ï	0.00	191 3689	4.94	61 1273	0.88	128	0.10	53	0.07
10.	Waterloo-with-Seaforth		0.00	164	6.21	39	1.47	6	0.23	1	0.03
11.	St. Helens			341	3.53	124	1.28	22	0.23	16	0.16
12.	Widnes			133	4.22	40	1.27			5	0.16
13.	Southport			161	3.12	59	1.14	12	0.23	4	0.07
14.	Hindley			79	3.28	14	0.58	19	0.79	4	0.17
15.	Ince-in-Makerfield	***	***	62	2.81	24	1.08	10	0.45	2	0.09
16.	Wigan			222	2.49	42	0.47	70	0.80	6	0.07
17.	Warrington			1121	15.52	126	1.74	31	0.43	9	0.12
18.	Leigh			429	9.73	68	1.54	9	0.24	9	0.24
19.	Bolton	***		269	1.48	187	0.10	53	0.29	8	0.04
20. 21.	Farnworth		***	106	3.71 4.36	59	0.14	12	0.43 0.14	4	0.14 0.07
22.	Bury Heywood		***	256 230	8.61	6	0.23	5	0.19	6	0.23
23.	Radcliffe			72	2.75	13	0.49	7	0.26	4	0.15
24.	Eccles			248	5.91	63	1.50	8	0.19	3	0.07
25.	Stretford			329	7.74	33	0.77	7	0.16		
26.	Swinton and Pendlebury			192	6.24	32	1.04	19	0.61		
27.	Manchester			5212	7.29	853	1.19	167	0.23	116	0.16
28.	Salford	1	0.00	2337	10.06	354	1.53	63	0.27	19	0.08
29.	Ashton-under-Lyne			347	7.68	23	0.51	13	0.28	1	0.02
30.	Stalybridge			123	4.64	5	0.18	2	0.08	1	0.04
31.	Chadderton			199	7.03	25	0.88	9	0.32		
32.	Middleton	***	0.00	219	7.82	22	0.78	42	1.50		0.00
33.	Oldham	4 5	0.02	1284	8.91	162	1.09	23 17	0.15	9	0.06
34. 35.	Accrington		0.05	509	5.56 2.02	148	1.62 0.79	11	0.18	6 3	0.05
36.	Bacup		0.09	190	8.51	17	0.77	6	0.24	2	0.09
37.	Haslingden		0.03	67	3.53	19	1.01	9	0.48		
38.	Rawtenstall			172	5.63	36	1.18	3	0.09		
39.	Burnley			309	2.91	125	1.17	23	0.21	8	0.08
40.	Colne	1	0.04	46	1.80	15	0.58	32	1.25		
41.	Nelson			45	1.14	22	0.55	4	0.10		
42.	Blackburn			694	5.22	65	0.49	30	0.23	10	0.08
43.	Chorley			82	2.69	7	0.23	11	0.36	2	0.07
44.	Preston			1156	9.87	221	1.90	45	0.38	6	0.05
45.	Blackpool		***	151	2.51	33	0.56	34	0.58	2	0.03
46. 47.	Fleetwood	1000		55	3.47	25	1.58	26	0.06	1 2	0.06
48.	Barrow-in-Furness	1	0.02	236 181	5.70 2.84	56 97	1.35	10	0.63	2	0.03
49.	Darwen		0.02	206	5.02	20	0.48	10	0.24	1	0.03

Table showing the Diseases and Age Periods at which Persons have Died.

DISEASES.	Ur de 1 y	r	to 2	,	to 5)	to 1	0	15 to 25)	2: to 3:	0	t	5 0 5	1000	5 0 5		and ards	To	tal.
	м	F	м	F	м	F	M	F	м	F	м	F	M	F	M	F	м	F	M	F
GENERAL DISEASES.			۱						ı											
Abscess of Brain											1								1	
Addisons Disease									•••				1		•••		***		1	***
Anæmia									•••			1		• • • •	•••			***	***	1
Cancer of Bladder			***		•••		***	•••	•					•••	***	E.	ï	***	ï	
D1															***	9		2		4
Proin						***				***			•			î				1
" " Breast																3		2		5
., ., Cervical Glands															1				1	
" " Eye															1				1	
", ", Face																	1		1	
", ", Gall Bladder																		1		1
,, ,, Glands																		1		1
" " Liver																		3	3	4
" " Lung																		***	1	
", ", Ovary																1	***			1
" " Pancreas													1		1	1	***	1	2	2
" " Pelvic Cavity																			***	1
" " Prostate Gland															•••		1	***	1	
", ", Stomach														1	3	3		2	3	6
", ", Throat												• • •			1	• • •	1		2	***
", ", Tongue																-	1		1	2
,, ,, Uterus														. 1	•••		***	***	***	100
Croup					100		100.0						1000	1000	000	200	***	2	1	3
Diabetes Diphtheria									••••		1	***			•••			3000	2	1
Enteric Fever				•••	2	ы					••••	•••	1	1	-	• • •		•••	4	1
Enteric Fever									2	••••		1	1	1	1				4.370	î
ErysipelasInfluenza		***		•••				***	1	***	1	-	•••	9		1	***	ï	2	4
Measles					1	1			1	****	1			-	***		***		ĩ	i
Phthisis					1		1		1		6	1	5		5	9			21	8
Purpura Hæmorrhagica	1								7	0									i	
Pyaemic Abscess														1						1
Rheumatic Fever						ï		1			H				2				3	2
Rheumatic Gout	1333	100	1000	1	100			1000									1		1	
Rheumatism (Chronic)																1			1	1
Scarlet Fever					1														1	***
Syphilis Congenital		1															***		***	1
Syphilis Congenital							1												1	
Tubercular Hip Joint							1				1								2	
Mesenteric Glands .	1			1			1			1				1					2	3
Meningitis		2		1			1												1	3
Peritonitis															144					1
Whooping Cough		2	1	1	1	1													2	4
	-	-	-	-	-		-	-	-	-	-	-	-	-	10	-	-	15	60	0=
	2	5	1	3	5	4	6	1	8	7	11	3	9	7	18	20	6	15	66	65

Diseases and Age Periods at which Persons have Died.—Continued.

M F M F	DISEASES.	Ui de	er	to 2	0	to	0	t	5 0 5	t	5 0 5	t	5 0 5	t	5 0 5	t	5		and ards	То	tal.
Amystrophic lateral Sclerosis		м	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Apoplexy																				213	aug :
Apoplexy	Amyatrophic lateral Sclerosis .																1				
Convulsions	Anonlovy												_	-1			110	0	0.0		0.00
Convulsions	Cerebral Thrombosis				•••									•••		· i		ï			-
Convulsions	Cerebral Tumour												1	1			1		-		
Disease	Convulsions	5	1																		
Disease	Hæmiplegia																		500	10000 I	-
Melancholia	Disease	111						1	1				***			•••		***		TO STATE OF THE PARTY OF THE PA	- T
Myasthenia Gravis 1	Melancholia																1			70	
Myllitis 1<	Meningitis					1														1	
Paralysis Agitans	Myasthenia Gravis														1						-
Paralysis Agitans	Otitis Media											1		1					505		
DISEASES OF CIRCULATORY SYSTEM.	Paralysis Agitans																			-	
DISEASES OF CIRCULATORY SYSTEM.				-	-		-														-
Actic Aneurism		5	1			1		1	1	• • • •		1	1	3	1	4	15	10	15	25	34
Actic Aneurism			_			=															
SYSTEM. Asthma 11	Aortic Aneurism Arterial Sclerosis Atheroma Endarteritis Obliterans Endocarditis Endocarditis Septic Epistaxis Heart Disease Heart Disease (not Organic)				···· ··· ··· i			1	i i i i i i i i i i i i i i i i i i i	```i	1	3	3		5	3 11	12	3 1 4 	7 1 10 	6 1 1 20 1	11 1 1 33 1
13 8 1 3 1 2 4 1 3 4 5 1 18 18 16 29 61 66	SYSTEM. Asthma Bronchitis Broncho Pneumonia Congestion of Lungs Gangrene of Lung Laryngitis Pleurisy Pneumonia Pulmonary Embolism	10 3	4		``i		1	1	1			1	3	3	1	1		14 1 1 	23 1 4	32 6 1 1 19 	42 5 1 1 1 13 1
		13	8	1	3	1	2	4	1			3	4	5	1	18	18	16	29	61	66

Diseases and Age Periods at which Persons have Died.—Continued.

DISEASES	The state of the s		yr	2		to 5	-	to 1	,	1. to 2.		2. to 3.	5	3. to 4.	0	t	5 5	65 a upw		То	tal.
		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
The same of the sa	OF DIGESTIVE						1													-	1000
A server and district	SYSTEM.									0			1					370	161		
Biliary Cal	leuli									2				•••	•	•••	••••	***	ï	2	1
Catarrhal .	lculi				1																î
Choloecyst	titis Plegmonous f Liver															1		***	***	1	
Cirrhosis o	f Liver												•••		• • • •	3	1		1	3	2
Duodenal	Ulcer			111										ï		ï				2	
Enteritis .				1					1											ĩ	1
Gastritis	teritisestinal Cararrh	1				1											1	1		3	1
Gastro Ent	teritis	3	4	1										1	•••	1	•••		1	6	5
Haemater	estinai Cararrn	1											•••		•••		ï		1	***	1
Hepatitis	nisis Enteritis	1																	ï	1	i
Infective I	Enteritis	1	2			1														2	2
Intestinal	Obstruction	1000	1000	100	1000		100	000	330	100	100				_	_	_	1		1	
Pyloric Ob	structioned Femoral Hernia									••••			•••	•••	•••	1			1	1	1 3
Ulceration	of Intestines		100				100	110				i				•	0		:::	ï	
Cicciation	Or anticomico il il il il il	-						1									_		-		***
		6	6	2	1	2			1	2		1	1	2		7	6	2	7	24	22
ARY S	SYSTEM & ANNEXA. isease hy of Prostatehritis			1				 1				1	3	2		6 1 1 2	5	3 2 	3	13 1 2 2 2	11
				1				1				1	3	2		10	5	5	3	20	11
		-	-																		-
THE PU	EPERAL STATE.					ı															
Accidental	Hæmorrhage of Preg-																				1
nency															1						1
Urmanamia	nt sis Gravidarum		1000	0.00		1000	535		1000	100			1	833	100	200	100	***		•••	1
Pregnency	is Gravidarum												1								i
Puerperal	Convulsions												1								1
Puerpereal	Hæmorrhage														1						1
												=		_		=	=				6
									•••		•		3		9		•				0
		-	-	-		-								-						-	
	OF THE SKIN AND ULAR TISSUE.						1	-					1		1	1	1				
Carbuncle Mediastina	l Abscess								1							1				1	ï
									1							1				1	1

Diseases and Age Periods at which Persons have Died.—Continued.

DISEASES.	di	n- er yr	t	0 2	t	2 0 5	t	5	t	5	t	25	t	5	t	5 0 55		and ards	То	tal.
Town to be supplying to the state of the sta	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
MALFORMATIONS.																			900	
Congenital Heart Disease Congenital Intestinal Obstruc- tion	1	1																	1	1
tion Congenital Stenosis of Pylorous Cleft Palate		1																		1 1 1
	1	4																	1	4
DISEASES OF EARLY INFANCY.																	400			1000
Atelectasis	4	10																:::	4	10
Injury at Birth Premature Birth	8	8																	8	8
	12	20																	12	20
OLD AGE.																				
Senile Decay																	12	21	12	21
AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																				100
Drowned (accidental) Drowned (no evidence							1						ï						1	
Drowned (no evidence	1				i				2		i		ì			1		3	5	4
Inquest (overlain) Suffocated (accidental) Suicide (drowned)									1						1				1 2	
,, (hanged), (inhaling gas)													1		1				3 1 1	 1
					2000	900	200		200	1000	-	1	3		5	2	1	3	16	6
ILL DEFINED CAUSES.																				
Dentition			i																 1	1
			1			-	-												1	1
NQUESTS								1					1	1	2	1	1	1	4	4
UNCERTIFIED	3	3	1			-						-		-	2	1		3	6	7

METEOROLOGY.

The Meteorological Observatory is at Bold Venture Park, in Lat. 53° 41′ 25″ N., and Lon. 2° 28′ 32″ W., and is at an altitude of 728 feet above mean sea level.

Observations are taken twice daily, at 9 a.m. and 9 p.m.

This station is connected with the Meteorological Office, and is called a Normal Climatological Station. Readings are sent daily, and a report giving all details is sent each month to the Meteorological Office, London.

The total rainfall for the year is 54.54 inches being recorded on 247 days. The average for the last eight years being 55.49 inches. The greatest monthly fall was in December, 7.38 inches; and the lowest in April, 2.15 inches. The greatest daily fall was 1.39 inches, on September 16th.

The total sunshine registered on 278 days during the year was 1199.7 hours being above the average for the last eight years, which is 1136.3 hours. April registered the highest monthly total, 187.8 hours; and January the lowest, 13.7 hours. The highest daily reading was 13.7 hours, on June 14th. The number of days on which sunshine was recorded was the highest for the last three years.

The mean maximum temperature in shade was 53.7°, being a little above the average for the last eight years which was 52.5°. The highest monthly mean was in August, 66.8°; and the highest reading for the year was 82.0°, on July 21st.

The mean minimum temperature in shade was 41.9°, being above the average for the last eight years which was 40.6°. The lowest monthly mean was in January, 33.4°, and the lowest reading for the year, 24.8°, on January 24th. The lowest monthly mean and the lowest daily reading were higher than the readings of the last eight years.

The mean maximum temperature in the sun was 80.3°. The average for the last seven years was 78.1°. The highest monthly mean was 98.4°, in July; and the highest reading 111.9° on June 30, July 2, and 21st. The highest reading during the last eight years was 117.5 in 1911.

The mean minimum temperature on grass was 39.3°, being above the average for the last eight years which was 38.2°. The lowest monthly mean was 30.8°, in December, and the lowest reading for the year was 22.6° on November 18th.

The maximum wind velocity was on February 15th, when a south-westerly wind blowing at the rate of 55 miles per hour.

Twelve observations of calm, were recorded, 10 observations of thunderstorm, 4 observations of fog, 12 observations of snow, and 26 observations of hail, 49 observations of ground frost, 5 observations of thunder.

JANUARY.

Barometer		rrected Re					30.147	inches.
"		Corrected 1					30.693 29.463	"
Dry Bulb T	hermomete	r, Mean Te	mperatu	ire			37.6	degrees.
Wet Bulb 7	Chermomet	er, Mean Te	emperati	ure			36.8	,,
Maximum	Thermome						40.8	,,
-	,,	Highes	t Tempe	erature rec	orded o	on 31st	50.8	,,
Minimum '	Thermomet						33.4	,,
,,	,,	Lowest	Temper	rature reco	orded o	n 24th	24.8	"
Water The	rmometer,	Mean Tem	perature	e			40.7	,,
,,	,,	Highest Te	emperat	ure record	ed on 3	1st	48.0	,,
,,	"	Lowest Te	mperatu	re recorde	d on 1:	3th	35.9	,,
Grass Mini	mum Therr	nometer, 1	Iean Ter	mperature			31.6	,,
Earth Ther	mometer,	Mean Temp	erature,	1ft			37.1	,,
,,	,,	"					41.7	,,
,,	,,	,,	,,	10ft			46.4	"
Humidity,	Mean						92	%
,,	Highest or	n 8, 9 and 3	0th				100	%
,,	Lowest on	22nd					77	%
Rainfall,	Total Fall							inches.
,,		rage					0.13	"
,,		fall on 8th.					1.28 19	dorra
"	recorded	on		••••••	• • • • • • • • • • • • • • • • • • • •			days.
Sunshine,		ation					13.7	hours.
,,		rage					$\frac{0.4}{3.3}$	"
,,		$\begin{array}{cccccccccccccccccccccccccccccccccccc$					11	days.
777: 3.35								aay o.
Wind, Mea	n Velocity imum Velo	in miles per	nour .	ur on 96th	dir W	7	15 43	
					. uii. vi		20	
100	of observat					~		
N.	N.E.	E. 9	S.E	E. S.		S.W. 5	W.	N.W.
1		and the second	and the same of th					3
	n Amount		ky indica	ated by 10)		9.1	
	ear Sky—0							
	vercast Sky	—26.						
Days of Ca	lm—2.							
Observation	ns of Wind	Forces 4 to	7—26.					
Hail on 2	Days.							
Snow on 1	Day.							
Ground Fr	ost on 12 I	Days.						
	orms on 1 I	O CONTRACTOR OF THE PARTY OF TH						
Thunder of		Part of the second						
	and the same of th							

FEBRUARY.

Barometer	Highes	st Correcte	d Readin	ng on th	e 27th		29.632 30.167 28.449	inches.
Dry Bulb T	Chermomet	er, Mean	Cemperat	ture			41.8	degrees.
Wet Bulb	Chermome	ter, Mean	Tempera	ture			40.6	,,
Maximum	Thermome,					ed on 1st	46.5 52.5	"
Minimum'	Thermome					d on 25th	37.1 30.7	"
Water The	rmometer,	Mean Te Highest Lowest T	Tempera	ture rec	corded o		43.9 49.8 38.8	" "
Grass Mini	mum Ther	mometer,	Mean Te	empera	ture		35.2	,,
Earth The	rmometer,	Mean Ten	perature				45.1	"
,,	,,	,,	"				42.5 45.0	,,
Humidity,	Highest		, 13, 23,	and 24	th		91 99 68	%
Rainfall,	Greatest	erage Fall on 17	th				3.98 0.14 0.68 23	inches.
Sunshine,	Daily Av	erage on 25th					39.6 1.4 5.0 21	hours. ,, days.
Wind, Mea	n Velocity ximum Vel	in miles p locity in m	er hour iles per h	our on	15th dir	. s.w	19 55	
Summary	of observa	tions of d	irection	:				
N. 0	N.E 0	. E.	S. 2	E.	S. 38	S.W. 9	W. 6	N.W. 0
Cloud, Mea		00	sky indi	cated b	y 10)		9.0	
Days of O		y—22.					-0100	
Days of Ca								
Observatio		d Forces 4	to 7—4	1.				
Hail on 3								
Snow on 1 Ground Fr		ove						
Fog on 2 I		ays.						
TOB OH WI	aju.							

MARCH.

Barometer ,,	Highest	Corrected R	eading on	the 31st .		29.600 30.129 29.005	inches.
Dry Bulb T	Chermometer	, Mean Tem	perature			40.4	degrees.
Wet Bulb	Chermometer	r, Mean Ten	perature			39.5	,,
Maximum	Thermomete				ed on 30th	45.3 56.8	"
Minimum'	Thermomete				d on 10th	35.5 28.5	"
Water The	,, I	Mean Tempe Highest Tem Lowest Tem	perature	recorded or		42.2 47.5 36.0	"
Grass Mini	mum Therm	ometer, Me	an Tempe	rature		34.0	,,
Earth Then	rmometer, M	ean Temper	,, 4ft			41.4 42.4 44.4	"
Humidity,	Highest on	4th and 30t	h			$\frac{92}{100}$	%
Rainfall,	Greatest Fa	age all on 5th.				6.50 0.21 0.66 29	inches.
Sunshine,	Daily Aver- Highest on	age 11th				63.7 2.1 7.1 23	hours.
Wind, Mea	n Velocity ir ximum Veloc	n miles per h ity in miles	our per hour	on 15th. di	r. W	17 44	
-	of observation					Auguri e	
N. 1	N.E. 4	E. 0	S.E.	S. 16	S.W. 5	W. 28	N.W. 6
Days of Cl Days of Ca Days of Ca	ear Sky—0. vercast Sky-	-22.		l by 10)		8.8	
Hail on 5							
Snow on 6 Ground Fr	ost on 7 Da	VS.					
	on 1 Day.						
Thunder o	n 1 Day.						

APRIL.

Barometer,	Mean Co	rrected Read	ding			30.070	inches.
,,						30.584 29.272	,,
"	Lowest	Corrected IV	eauing on t	ne in .		29.212	"
Dry Bulb Th	ermomete	r, Mean Ten	perature .			47.7	degrees.
Wet Bulb Th	nermomete	er, Mean Ten	nperature.			44.1	"
Maximum T	hermomet	er. Mean Te	mperature.			56.1	
,,					ed on 21st	71.4	,,
			The Later Later				
Minimum T	hermomet	er, Mean Ter	mperature		3 1741	39.7	"
,,	,,	Lowest .	remperatu	re recorae	d on 15th	32.0	,,
Water Theri	mometer.	Mean Temp	erature			46.4	,,
,,	,,	Highest Ter	nperature r	ecorded o	n 28th	51.6	"
,,					17th	39.0	"
	Thorn	nometer M	on Tompo	ratura		36.8	
Grass Millin	ium Thern	nometer, M	an remper	ature			,,
Earth Thern	nometer, 1	Iean Tempe				47.2	,,,
,,	,,	"	,, 4ft.			44.8	,,,
"	,,	"	" 10ft	t		44.6	"
Humidity,	Mean					77	%
						99	0/
,,	Lowest on	22nd				41	%
Rainfall,	Total Fall					2.15	inches.
						0.07	"
						0.56	,,
						12	days.
Sunshine,	Total Dur	ation				187.8	hours.
						6.3	,,
						11.9	,,
						29	days.
Wind Moon	Valority	in miles per l	hour			13	
Maxi	mum Velo	city in miles	per hour o	n 6th dir	W	38	
				ii othi dir			
Summary o		ions of direc		1	1		
N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
1	1	2	7	11	11	20	6
Cloud, Mean	Amount	(overcast sky	y indicated	by 10)		6.4	
Days of Cle			-	100			
Days of Ove							
Days of Cal		Beres 4.1	N 00				
		Forces 4 to	7—20.				
Hail on 2 D							
Snow on 1	Day.						
Ground Fro	st on 2 Da	ys.					

MAY.

Barometer	, Mean Co	orrected Rea	ding	the 19th		30.104 30.462	inches.
"	Lowest	Corrected P	leading on	the 7th		29.361	"
Dry Bulb 7	Chermomete	er, Mean Ter	nperature			48.3	degrees.
Wet Bulb	F hermomet	er, Mean Te	mperature			45.9	,,
Maximum	Thermome	ter, Mean Te	emperature			55.9	,,
	,,				ed on 17th	69.0	"
Minimum	Thermomet	er, Mean Te	mperature			42.2	,,
,,	,,	Lowest	Temperatu	re recorde	ed on 2nd	31.8	,,
Water The	rmometer	Mean Temr	erature			47.6	
,,	,,				on 20th	56.3	"
,,	"				n 9th	37.0	"
,,	"		-1				11 27
Grass Mini	mum Therr	nometer, M	ean Tempe	rature		40.7	"
Earth The	rmometer, 1	Mean Tempe				52.8	"
,,	"	,,				48.8	,,
,,	,,	,,	,, 10f	t		46.2	"
Humidity,	Mean					84	%
,,	Highest or	7th and 13	th			100	%
,,						56	%
Rainfall,	Total Fall					2.65	inches.
,,						0.09	,,
"	Greatest F	all on 3rd				0.59	,,,
**	Recorded	on				19	days.
Sunshine,	Total Dura	ation				121.5	hours.
,,						3.9	"
"						11.4	, ,,
,,	Recorded	on				26	days.
Wind Moo	n Volcoity i	n miles nor l	hour			13	
Max	imum Velo	city in miles	per hour o	n 8th dir	W.S.W	29	
2		ions of direc		n oun an.		20	
N.				C	CW	W	NT IX
1	N.E. 4		S.E. 4	7	S.W.	W. 26	N.W. 12
Cloud Mea	n Amount	overes et al	rindicate 1	hv. 10)		0.0	
			maicatea	by 10)		8.2	
	ear Sky—0						
Days of Ov	ercast Sky-	—17.					
Days of Ca	lm-0.						
Observation	ns of Wind	Forces 4 to	7—19.				
Hail on 2 1							
Taken On W	-435.						

JUNE.

Barometer, Mean Corrected Reading	30.085 30.466	inches.
,, Lowest Corrected Reading on the 7th	29.694	,,
Dry Bulb Thermometer, Mean Temperature	56.0	degrees.
Wet Bulb Thermometer, Mean Temperature	52.6	,, and
Wavimum Thermometer Mean Temperature	63.5	
Maximum Thermometer, Mean Temperature	76.9	"
,, ——Basse a sumperior and careful in		"
Minimum Thermometer, Mean Temperature	48.0	,,
,, ,, Lowest Temperature recorded on 8th	36.8	,,
Water Thermometer, Mean Temperature	53.4	,,
,, ,, Highest Temperature recorded on 17th & 20th	60.0	"
" ,, Lowest Temperature recorded on 7th	43.0	,,
Constitution Management of Man	450	
Grass Minimum Thermometer, Mean Temperature	45.9	"
Earth Thermometer, Mean Temperature, 1ft.	58.9	,,
,, ,, ,, 4ft	52.5	"
" " " " 10ft	48.5	"
Translation Mana	80	0/
Humidity, Mean	100	%
Lowest on 15th	48	0/
,, Lowest on 15th	10	/0
Rainfall, Total Fall	2.53	inches.
,, Daily Average	0.08	"
,, Greatest Fall on 22nd	0.59	,,,
,, Recorded on	20	days.
Sunshine, Total Duration	185.7	hours.
,, Daily Average	6.2	"
,, Highest on 14th	13.7 26	dove
" Recorded on		days.
Wind, Mean Velocity in miles per hour	12	
,, Maximum Velocity in miles per hour on 9th dir. N	31	
Summary of observations of direction :—		
N. N.E. E. S.E. S. S.W.	W.	N.W.
5 9 2 1 2 4	21	15
Cloud, Mean Amount (overcast sky indicated by 10)	6.8	
Days of Clear Sky—0.		
Days of Overcast Sky—9.		
Days of Calm—0.		
Observations of Wind Forces 4 to 7—11.		
Hail on 2 Days.		
Thunderstorm on 2 Days.		

JULY.

Baromete	Highest	Corrected I	Reading on	the 10th .		30.234	inches.
							degrees.
			-				,,
Movimum	Thormomo	or Moon To	mnoroturo			65.5	
Maximum	,,				ed on 21st	82.0	"
Minimum	Thermomet	er. Mean Ter	mperature		•	51.9	,,
,,	,,				d on 25 & 27	46.3	,,
**** - 4 FDI		M					
		Highest Ter			n 21st	54.9 60.3	"
"		Lowest Ten				46.0	"
,,	***		-F		7		,,
Grass Mini	mum Thern	nometer, Me	ean Temper	rature		48.7	"
Florida Mhon		food Towns	t			60.0	
	and the same of the same of					62.3 56.3	"
,,	"	"	200			51.2	,,
"	,,	"					,,
Humidity,						82	%
,,						100	%
,,	Lowest on	4th				55	%
Rainfall,	Total Fall					5.46	inches.
"						0.18	"
,,						1.30	,,
,,	Recorded	on				23	days.
Sunshine,	Total Dura	ation				131.0	hours.
,,	Daily Aver	rage				4.2	,,
,,	Highest on					12.6	,,,
,,	Recorded o	on	••••••			29	days.
Wind, Mea	n Velocity i	n miles per h	our			13	
" Max	cimum Velo	city in miles	per hour or	n 25th, di	r. W N.W	30	
Summary	of observati	ions of direc	tion :-				
N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
1	2	1	13	7	8	20	8
Cloud Mes	n Amount	overeast sky	indicated	by 10)		8.2	
	ear Sky—0.	overeuse sky	maicacca	DJ 10/	1		
		119					
	vercast Sky-	-17.					
Days of Ca							
Fog on 1 1	Day.						
Observatio	ns of Wind	Forces 4 to	7—16.				
Thunderst	orm on 4 D	ays.					

AUGUST.

Barometer		30.019	inches.
"	Highest Corrected Reading on the 11th and 31st Lowest Corrected Reading on the 2nd		" "
			,,
Dry Bulb T	Chermometer, Mean Temperature	58.6	degrees.
Wet Bulb 7	Thermometer, Mean Temperature	55.8	,,
	mis and a Maria Maria Maria	00.0	
Maximum	Thermometer, Mean Temperature	66.8 78.8	"
	", ingliest Temperature recorded on 14th	10.0	,,
Minimum'	Thermometer, Mean Temperature		,,
,,	" Lowest Temperature recorded on 8th	46.0	,,
Water Mise	manatan Masa Tamanatana	250	
	rmometer, Mean Temperature		"
- ,,	Toward Townsons turn recorded on 9th		"
,,	" Lowest Temperature recorded on 8th	31.0	"
Grass Mini	mum Thermometer, Mean Temperature	48.8	,,
Earth Ther	mometer, Mean Temperature, 1ft		,,
,,	,, ,, ,, 4ft		,,
,,	,, ,, ,, 10ft	53.0	,,
Humidity,	Mean	84	0/
	Highest on 1, 8 and 26th.		%
,,	Lowest on 13th		%
,,	20,000,000,000		70
Rainfall,	Total Fall	3.90	inches.
,,	Daily Average		,,
,,	Greatest Fall on 1st		. "
,,	Recorded on	16	days.
Sunshine,	Total Duration	171.7	hours.
,,	Daily Average		"
,,	Highest on 12th	12.9	,,
"	Recorded on	27	days.
Wind, Mea	n Velocity in miles per hour	11	
" Max	ximum Velocity in miles per hour on 9th. dir. S	35	
	of observations of direction :—		27.777
N.	N.E. E. S.E. · S. S.W.	W.	N.W.
0	1 1 8 23 7	19	2
Cloud. Mea	an Amount (overcast sky indicated by 10)	7.0	
	ear Sky—0.	12-4160	
	vercast Sky—10.		
Days of Ca			
Observatio	ns of Wind Forces 4 to 7—7.		

SEPTEMBER.

Barometer	, Mean Corrected Reading		
"	Lowest Corrected Reading on the 17th	29.413	
Dry Bulb T	Thermometer, Mean Temperature	53.7	degrees.
Wet Bulb	Thermometer, Mean Temperature	51.4	,,
Maximum	Thermometer, Mean Temperature	61.7	
Maximum	" Highest Temperature recorded on 3rd		"
Minimum '	Thermometer, Mean Temperature	46.7	
	,, Lowest Temperature recorded on 29th		- "
,,	,, 20,,000 2011101101001100110011001		,,
Water The	rmometer, Mean Temperature		"
,,	,, Highest Temperature recorded on 8th &		
,,	,, Lowest Temperature recorded on 29th	43.6	"
Grass Mini	mum Thermometer, Mean Temperature	43.2	
GALLOS MALINI	man inclination, from remperature		"
Earth Ther	rmometer, Mean Temperature, 1ft	56.6	,,
,,	,, ,, 4ft	56.6	
"	" " " " 10ft	54.0	,,
**	V.	0.0	0/
Humidity,	Mean		%
"	Highest on 11, 12, 14, and 17th		%
"	Lowest on 7th	52	%
Rainfall,	Total Fall	5.47	inches.
,,	Daily Average		,,
,,	Greatest Fall on 16th	1.39	
"	Recorded on	14	days.
Sunshine,	Total Duration	176.6	hours.
"	Daily Average		,,
,,	Highest on 6th	200	,,
,,	Recorded on	29	days.
Wind Mea	an Velocity in miles per hour	15	
,, Max	ximum Velocity in miles per hour on 18th and 28th	39	
	of observations of direction :—	***	27 777
N. 1	N.E. E. S.E. S. S.W. 2 3 9 9 12		N.W. 8
Cloud, Mea	an Amount (overcast sky indicated by 10)	6.3	
Days of Cl	lear Sky—9.		
Days of O	vercast Sky—9.		
Days of Ca			
Hail on 2			
	ns of Wind Forces 4 to 7—24.		
Thundersto	orms on 2 Days.		

OCTOBER.

Barometer, Mean Corrected Reading	30.049 30.466	inches.
" Lowest Corrected Reading on the 31st	29.419	"
Dry Bulb Thermometer, Mean Temperature	48.9	degrees.
Wet Bulb Thermometer, Mean Temperature	47.8	,, W
Maximum Thermometer, Mean Temperature	54.0	,,
,, Highest Temperature recorded on 2nd	62.4	"
Minimum Thermometer, Mean Temperature	44.7	,,
,, ,, Lowest Temperature recorded on 29th	37.2	,,,
Water Thermometer, Mean Temperature	48.0	,,
,, ,, Highest Temperature recorded on 2nd	53.0	,,
", ", Lowest Temperature recorded on 28th	40.0	,,
Grass Minimum Thermometer, Mean Temperature	41.4	,,
Florith Mhormonoton Many Many 164	710	
Earth Thermometer, Mean Temperature, 1ft.	51.2 52.7	"
,, ,, ,, 4ft, ,, ,, ,, 10ft	53.1	"
		"
Humidity, Mean	91	%
,, Highest on 2, 3 and 19th	100	%
" Lowest on 7th	72	%
Rainfall, Total Fall	3.31	inches.
Daily Avarage	0.11	
,, Greatest Fall on 25th	1.10	"
,, Recorded on	21	days.
Sunshine, Total Duration	50.7	hours.
,, Daily Average	1.6	,,
,, Highest on 9th	4.6	"
,, Recorded on	25	days.
Wind, Mean Velocity in miles per hour	13	A Company
" Maximum Velocity in miles per hour on 31st	35	
Summary of observations of direction :-		
N. N.E. E. S.E. S. S.W.	W.	N.W.
3 10 3 10 6 6	19	3
		31 B. C.
Cloud, Mean Amount (overcast sky indicated by 10)	8.8	
Days of Clear Sky—0.		
Days of Overcast Sky—25.		
Days of Calm—2.		
Fog on 1 Day.		
Observations of Wind Forces 4 to 7—16.		
Thunderstorm on 1 Day.		

NOVEMBER.

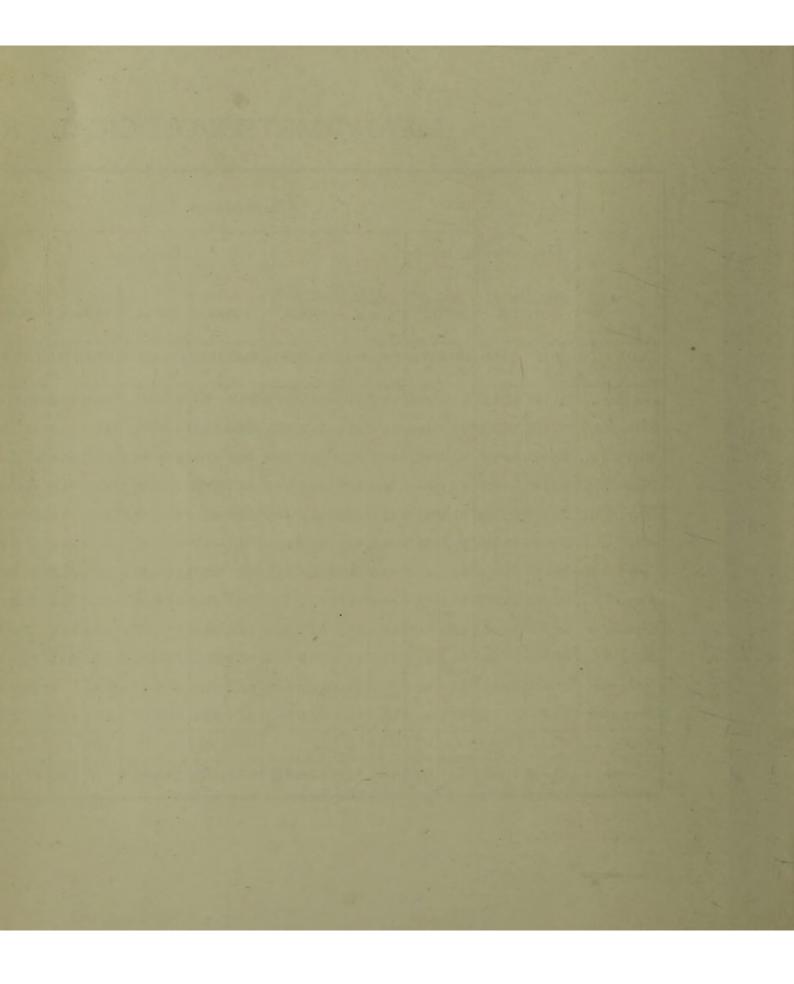
Barometer, Mean Corrected Reading	29.897 30.466	inches.
,, Lowest Corrected Reading on the 15th	29.142	"
Dry Bulb Thermometer, Mean Temperature	42.5	degrees.
Wet Bulb Thermometer, Mean Temperature	41.2	,,
Maximum Thermometer, Mean Temperature	46.6	,,
,, Highest Temperature recorded on 8 & 30	53.9	,,
Minimum Thermometer, Mean Temperature	37.9	,,
" Lowest Temperature recorded on 21st	29.0	,,,
Water Thermometer, Mean Temperature	44.0	,,
,, ,, Highest Temperature recorded on 9th ,, ,, Lowest Temperature recorded on 17th	50.3 35.8	"
Grass Minimum Thermometer, Mean Temperature	34.4	",
-		"
Earth Thermometer, Mean Temperature, 1ft	43.9 47.9	"
,, ,, ,, ,, 10ft	51.4	"
Humidity, Mean	86	
Highest on 2 24 and 20th	99	%
,, Lowest on 14th	68	%
Rainfall, Total Fall	7.23	inches.
,, Daily Average	0.24	,,
,, Greatest Fall on 11th	0.79	"
" Recorded on	24	days.
Sunshine, Total Duration	39	hours.
,, Daily Average	1.3	,,
,, Highest on 14th	6.4	,,,
,, Recorded on	17	days.
Wind, Mean Velocity in miles per hour	16	
" Maximum Velocity in miles per hour on 11th. dir. N.N.W	40	
Summary of observations of direction :—		
N. N.E. E. S.E. S. S.W. 5 4 1 11 12 15	W.	N.W.
	6	5
Cloud, Mean Amount (overcast sky indicated by 10)	7.8	
Days of Clear Sky—0.		
Days of Overcast Sky—17.	British	
Days of Calm—1.		
Observations of Wind Forces 4 to 7—24.		
Thunder on 2 Days.		Tobredor.
Snow on 1 Day.		
Hail on 4 Days.		
Ground Frost on 11 Days.		

DECEMBER.

Barometer, Mean Corrected Reading		inches.
,, Highest Corrected Reading on the 24th	30.280	"
,, Lowest Corrected Reading on the 14th	28.806	"
Dry Bulb Thermometer, Mean Temperature	38.1	degrees.
Wet Bulb Thermometer, Mean Temperature	37.1	,,
Maximum Thermometer, Mean Temperature	41.8	,,
,, Highest Temperature recorded on 2nd	49.7	,,
Minimum Thermometer, Mean Temperature	34.5	,,
,, ,, Lowest Temperature recorded on 30th	28.4	"
Water Thermometer, Mean Temperature	40.5	,,
" Highest Temperature recorded on 4th	44.8	,,
., ,, Lowest Temperature recorded on 25th	36.0	,,
Grass Minimum Thermometer, Mean Temperature	30.8	,,
Earth Thermometer, Mean Temperature, 1ft	39.6	,,
,, ,, ,, 4ft	43.7	,,
,, ,, ,, 10ft	48.2	"
Humidity, Mean	90	%
" Highest on 14th	99	%
" Lowest on 3rd	71	%
Rainfall, Total Fall	7.38	inches.
" Daily Average	0.24	,,
" Greatest Fall on 24th	1.18	,,
" Recorded on	27	days.
Sunshine, Total Duration	18.7	hours.
,, Daily Average	0.6	,,
,, Highest on 16th	3.2	,,
" Recorded on	15	days.
Wind, Mean Velocity in miles per hour	18	
" Maximum Velocity in miles per hour on 5th. dir. W	28	
Summary of observations of direction :—		
N. N.E. E. S.E. S. S.W.	W.	N.W.
1 2 3 6 31 5	8	6
	8.3	
Cloud, Mean Amount (overcast sky indicated by 10)	0.0	
Days of Clear Sky—0.		
Days of Overcast Sky—16.		
Days of Calm—0.		
Observations of Wind Forces 4 to 7—34.		
Thunder on 1 Day.		
Snow on 2 Days.		
Hail on 4 Days.		
Ground Frost on 14 Days.		

MEAN METEOROLOGICAL READINGS FOR 1913 AND 1914.

-								The	rmon	eters																							
											Ear	th.															Wine	d Dir	ection	n, 19	14.		
	Baron		Maz		Mir		Mea	an.	1 Fe	oot,	4 F	eet.	10 I	eet.	W	ater.	H		Suns (hou			ain hes).	Velo	ind eity									
MONTH.	1913 ins.	1914 ins.	1913	1914	1913	1914	1913	1914	1913	1914	1913	1914	1913	1914	191;	1914	1913	1914	1913	1914	1913	1914	1913	1914		N.E.	E.	s.E.	s.	s.w.	w.	N.W.	C'lr
January	29.746	30.147	40.6	40.8	33.2	33.4	36.9	37.6	38.0	37.1	42.0	41.7	45.6	46.4	40.3	40.7	94	92	8.9	13.7	6.57	3.98	15	15	1	7	9	6	14	5	15	3	2
February	30.155	29.632	44.3	46.5	34.8	37.1	39.6	41.8	38.9	45.1	40.8	42.5	43.9	45.0	41.3	43.9	89	91	54.1	39.6	2.30	3.98	17	19	0	0	0	2	38	9	6	0-	1
March	29.789	29.600	45.3	45.3	34.3	35.5	39.8	40.4	40.4	41.4	41.0	42.4	43.2	44.4	42.5	42.2	86	92	90.9	63.7	7.23	6.50	18	17	1	4	0	2	16	5	28	6	0
April	29.848	30.070	49.7	56.1	37.0	39.7	43.4	47.7	44.7	47.2	42.9	44.8	43.5	44.6	44.5	46.4	83	77	90.3	187.8	6.94	2.15	19	13	1	1	2	7	11	11	20	6	1
May	29.904	30.104	51.2	55.9	42.7	42,2	50.0	48.3	51.6	52.8	47.0	48.8	44.9	46.2	48,9	47.6	83	84	127.0	121.5	4.59	2.65	14	13	1	4	2	4	7	6	26	12	0
June	30.060	30.085	61.7	63.5	48.0	48.0	54.9	56,0	58.1	58.9	52.3	52.5	44.2	48.5	51.6	53.4	84	80	135.4	185.7	3.70	2.53	15	12	5	9	2	1	2	4	21	15	0
July	30.089	29.870	64.0	65.5	49.6	51.9	56.8	58.9	60.7	62.5	54.9	56.3	50.2	51.2	53.	54.9	84	82	145.5	131.0	1.55	5.46	11	13	1	2	1	13	7	8	20	8	2
August	30.081	30.019	65.5	66.8	49.9	51.6	57.7	58.6	60.5	61.3	56.4	57.2	52.0	53.0	53.9	55.2	83	84	151.9	171.7	2.80	3.90	11	11	0	1	1	8	23	7	19	2	1
September	29.997	30.070	61.9	61.7	49.4	46.7	55.7	53.7	56.9	56.6	55.4	56.6	52.8	54.0	52.0	51.6	85	86	112.3	176.6	2,59	5.47	12	15	1	2	3	9	9	12	15	8	2
October	29.853	30.049	54.4	54.0	45.1	44.7	49.8	48.9	51.2	51.2	52.9	52.7	52.6	53.1	49.9	48.0	90	91	70.4	50.7	2.29	3.31	14	13	3	10	3	10	6	6	19	3	2
November	29,826	29.837	49.0	46.6	40.7	37.9	44.9	42.5	45.5	43.9	48.6	47.9	50.8	51.4	46,6	44.0	92	86	34.8	39.0	6.80	7.23	16	16	5	4	1	11	15	6	5	12	1
December	30.007	29.530	43.1	41.8	35.9	34.5	39.5	38.1	41.2	39.6	45.5	43.7	48.8	48.2	43.5	2 40.5	92	90	18.3	18.7	4.19	7.38	17	18	1	2	3	6	31	5	8	6	0
Totals																			1040.4	1199.7	51.55	54.54			20	46	27	79	179	84	202	81	12
Mean	29,952	29.923	53.1	53.7	41.7	41.9	47.4	47.7	49.0	49.8	48.3	48.9	47.7	48.8	47.3	47.4	87	86	86.7	99.9	4.30	4,54	15	14									



COUNTY OF LANCASTER.

SUMMARY OF

Medical Officer's Report for 1914.

URBAN DISTRICT OF DARWEN.

Medical Officer of Health—FRED GEORGE HAWORTH, M.B.C.M., L.R.C.S., D.P.H. Salary as M.O.H., £250.

Inspectors of Nuisances—William E. Marsden and C. R. Walsh. Salary as Inspectors, £160 and £150.

What is the Character of the Hospital Accommodation?—For Small-Pox, Farm House, 2 beds; for other Infectious Diseases, for Scarlet Fever and Typhoid Fever, 1 block, 20 beds, good; 1 block, 8 beds, very good.

Is it Joint or otherwise-Our own.

Deaths in Hospital of patients removed from your District ?—1 Consumption.

- How is Disinfection carried out ?—Houses: Sulphur and Formalin. No. of Houses disinfected ?—213. Apparatus used for Clothing, Bedding, &c. (steam or otherwise)?—Washington, Lyons superheated Steam Disinfector. Where is apparatus situated?—Bull Hill Hospital (used for all purposes)
- Are any Diseases not specifically mentioned in the Infectious Diseases Notification Act notifiable (for instance, Measles, Whooping Cough, Diarrhœa, Chicken Pox, &c.)? If so, what are they?—No.
- Diseases specially prevalent?—Measles. Period?—November. No. of Times School Closure adopted?—Once, Blackburn Road Infant School. For what Disease?—Measles.
- No. of Special Reports made under Art. XIX (15 and 16) Sanitary Officers' Order, 1910?—None.
- Bacteriological Examinations. Specimens examined: Blood, 8; Swabs, 14; Sputum, 122.

- Arrangement (if any) made under the Diphtheria Anti-toxin Order, 1910 ?—None.

 Anti-toxin supplied at cost price.
- "The Housing of the Working Classes Acts, 1890 to 1909":—Has your Authority determined the procedure to be adopted for the inspection of your District as required by Article 1 of the Regulations?—Yes.
- Has your Authority prepared, as required by Article 1 (3), a list of dwelling houses, the early inspection of which is desirable ?—Yes.
- Has your Authority designated an officer to undertake the special inspection of houses and to keep the records stipulated by Article 2. If so, what officer?

 Inspectors of Nuisances.
- Have the necessary books, forms, &c., for keeping the required records been obtained?

 —Yes.

Action taken in 1914 :-

No. of Dwelling-houses inspected under Sec. 17 of the Act of 1909 ?-35.

- " Dwelling-houses considered unfit for human habitation ?—8.
- ,, Representations to Authority with a view to making Closing Orders —8.
- ,, Closing Orders made ?-0.
- ,, Dwelling-houses in which defects were remedied without making Closing Orders ?—0.
- " Dwelling-houses put into a fit state of habitation after making Closing Orders?—0.
- " Dwelling-houses demolished ?—8.

General character of defects found to exist ?—6 were back to back houses and insanitary; 2 houses were too low and dark.

Is there a deficiency of housing accommodation? If so, where, and to what extent—No.

Number of New Houses built during 1914—By and at the cost of the District Council?

None. By private enterprise?—79.

Source of Water Supply ?—Upland Surface.

What is its condition ?-Good.

Possiblities of contamination ?—Not in the vicinity of dwelling-houses.

Any insufficiency, and where ?-No.

Is Scavenging and Removal of House Refuse carried out satisfactoryily for whole of district ?—Yes.

How performed (state whether by Sanitary Authority, Contract, or Occupiers of Houses)?—Sanitary Authority.

How is the Refuse disposed of ?—Burnt in destructor.

Has a destructor been provided ?—Yes (Meldrum's).

Sewage Disposal Works. Method of Treatment ?—Bacteriological.

What is the character of the Drainage System? Any developments during year?

—Combined System.

Areas, or Townships, without proper drainage system ?-None.

Action taken--Drain Testing, Flushing, &c.-Water, Smoke, Periodic Flushing.

Action taken with regard to the Pollution of Streams ?—No legal action taken.

Canal Boats: Number inspected?—None.

What is the condition of the Bakehouses ?—Fairly good.

What is the condition of Slaughter Houses?—Good. Has a Public Abattoir been provided?—Yes.

What is the condition of Lodging Houses?—One lodging house only. Are they Registered?—Municipal.

What is the Sanitary condition of the Schools ?—Good.

Dairies, Cowsheds and Milkshops—Are they periodically inspected ?—Yes. What is their condition ?—Fairly good.

Have Regulations been made under the Order of the L.G.B. ?—Yes. Are they enforced ?—Yes.

Amount of air space in cubic feet required for each cow ?—600 c.f.

No. of Cowkeepers ?—No. on Register ?—114. No. of Inspections during year ?—174

No. of Dairymen or Purveyors of Milk (other than Cowkeepers)?. No. on Register?

—5.

Any arrangements for veterinary inspection of dairy cows?—Veterinary Surgeon called in if occasion requires.

Total amount of Food seized as unfit for Human Consumption?—4 Beasts, 1 Calf, 10 Sheep, 2 Swine, 2 Deer and 2 Tons, 15 Cwts. of Offal.

No. of Carcases and parts of Carcases condemned for Tuberculosis ?—2 Beasts and 1 Pig.

No. of Legal Proceedings, and result ?— None.

- Department of Inspector of Nuisances ?—No. of Notices served ?—2355. Nuisances remedied ?—2410.
- Number of Legal Proceedings taken and result? 8: two cases "Order to Abate; three cases "Dismissed"; one case, costs only; one case, 5s. and costs, and 1 case 10/- and costs.

CLOSET ACCOMMODATION OF THE DISTRICT :-

No. of Privy Middens ?-None

Number of Pail Closets ?-2827.

Number of Fresh Water Closets ?-5355.

Number of Waste Water Closets ?-2503.

Number of Pail Closets converted during 1914 ?—To W.C.'s ?—1856

Does the Council contribute towards the cost of conversion of either privies or pail closets, or both? If so, how much?—We have no privies. One half cost is paid where pail closets are converted to W.C.'s.

What kind of closet accommodation is being provided for new property?—
Fresh Water Closets.

SMOKE :-

Number of Observations ?—167.

Number of Legal Proceedings taken and result ?—5: 1 10/- and costs; 1 5/- and costs; 1 costs only; 1 Order to Abate; 1 Dismissed.

What is the time limit allowed for the emission of black smoke per hour ?—
One, Two or Three Boilers, 5 Minutes per hour, Four or more
Boilers, 7 minutes per hour.

HAS THE AUTHORITY ADOPTED-

"The Infectious Disease (Prevention) Act, 1890"?—Yes, except Sect. 5 to 11 inclusive and Section 15.

"The Public Health Acts Amendment Act, 1907"?—Certain Sections.

"The Public Health Acts Amendment Act, 1890" ?—Yes, except that relating to music and dancing.

"The Notification of Births Act, 1907"?—Yes.

Has a Health Visitor been appointed ?—Yes, part time. School Visitor.

Has any, and if so, what action been taken respecting Child Welfare Work?— Mothers' Club; Babies weighed, advice given.

Notable Sanitary Improvements during 1914—Conversion of Pails to Fresh Water Closets.

Chief Sanitary requirements of District:—Disinfector centrally situated.

Medical Inspection of Schools and School Children.

To the Chairman and Members of the Education Committee.

GENTLEMEN,

I beg to present for your consideration my Report on the Work of Medical Examination of School Children, for the year ending December 31st, 1914.

And remain,

Yours faithfully,

F. G. HAWORTH.

SCHOOL BUILDINGS.

The whole of the Schools were visited by Miss Orpin, School Nurse, and myself, for the examination of the children. I have also examined the sanitary arrangements,

After each vacation the Inspectors of Nuisances visit the schools in their respective districts examine the sanitary arrangements and see if the schools have been cleansed according to our usual instructions, they then report to me.

Generally speaking, they were found in a satisfactory condition, with two exceptions the school buildings are used for several purposes: as Elementary Schools during the week, for Sunday School purposes on the Sunday, and at other times for Tea Parties, Entertainments and Meetings. This makes the question of cleansing a very complicated and difficult one, leaving very little time between the closing of one and commencement of the other, however, the caretakers have done their best with these conditions, so that, generally speaking, the buildings have been fairly satisfactory.

At St. James' School a substance of an oily nature is being used, with a view to causing the dust to settle and adhere to the substance on the floors; this has certain disadvantages as well as advantages in that the lighter particles which float in the air when settled remain on the floor, and as time goes on accumulate there, the result being an increasing amount of deleterious material in the wrong place. The substance also causes the floor to become oily and a very dark colour, whereas, in my opinion, it would be better if the floors were washed and rendered lighter and dryer looking.

The road passing the front of this School has been paved during the year, consequently it is much cleaner and less dirt will no doubt now be carried into the school buildings on the childrens clogs. This street being practically a private road

is much used for play by the children, a playground made and owned by the Corporation is very near and available for the children attending this school.

Under the conditions of the School buildings being used for several purposes it becomes of greater importance that the play grounds and the approaches to the schools should be paved or flagged, and not covered with ashes.

In one or two schools the playgrounds are not on the level, and the gradient or slope of the ground renders it unfit for either paving or flagging owing to the number of accidents from the children slipping down when at play. This might be modified by dividing the playground into two parts, each on its own level and divided from each other by railings; whether this is practical or not on account of the varied uses the buildings are put to is more than I can say. It is a suggestion.

Nearly all the schools have the rooms divided by moveable partitions, so that the classes are separated and rendered more useful. Where the rooms were large and capable of accommodating several classes this has brought about a great improvement.

The schools where the pails obtained are as quickly as possible and consistent with equity being transformed into the Water Carriage System, by the introduction of closets or latrines with automatic flushing. As the whole of the town is at the same time being converted, the resultant drainage will be a great sanitary improvement as well as lessening the cost of collection.

The general cleansing of the school buildings has been fairly satisfactory during the year, taking into consideration the difficulties above mentioned, where a certain amount of laxity is displayed it is in the direction of the lighter duties of the cleaners, such as dusting, &c.

Evidently a sufficient amount of time is not allowed between sweeping and dusting to permit dust to become settled, so that after the dusting has been done more dust settles down on the school furniture. This naturally forms an object lesson for the children, as well as being insanitary. No doubt the want of time is responsible for the dereliction of duty.

VENTILATION.

The whole of the schools have been altered by sub-dividing the rooms into class rooms by means of moveable partitions, with the exception of Earcroft, St. Edward's, and St. Joseph's. Other school buildings are now being used for Infants only, and wing to the reduction in the numbers on the registers such alterations are not required.

These moveable partitions, from an educational point of view are a great improvement, the classes are kept quite separate, the teachers are able to concentrate the attention of the scholars on their lessons; but from a sanitary point of view they are not such a success.

I have in a previous report spoken of the great advantage of cross or through ventilation, where this cannot be obtained the windows have been altered by making the lowest and highest sashes to open inwards on hinges. These openings are provided with side shields, the effect of this alteration is to cause the air currents to be short-circuited; the air coming in at one opening and out at the other, consequently there is very little disturbance of the air in the room and it soon becomes rather stuffy.

The result of introducing these partitions has been to completely stop cross ventilation, this effect has probably not been taken into account by the makers. So long as they are put in as temporary expedients no great harm can be done.

This matter requires attention.

HEATING.

This chiefly by means of hot water pipes which were put in when the schools were built, and, of course, prior to the introduction of the partitions, consequently there are no means of cutting off the supply from one or more rooms without affecting the whole school. This method is, therefore, a costly one, as well as being irregular in its action. This method undoubtedly dries the air by volatilising the moisture in the atmosphere, this will probably become condensed on cold surfaces such as walls and windows.

CLEANLINESS.

This continues to improve. I think more attention is being paid to dusting than formerly; it a very important item in the work of a school care-taker not always recognised.

Before the holidays, circular letters are sent out from the office of the Education Secretary (Mr. Bretherick) giving instructions to the various school managers for the work of cleansing to be carried out during the coming vacation, where necessary, and the conditions met with on my visits to the schools determine this. Special instructions are issued from my office in regard to particular work, such as washing down of walls, floors and desks. It is the custom with most managers to employ special hands for this work, owing to the many and varied uses to which the school buildings are put during holiday periods, little time is left for this special work.

As, however, these uses are mostly in the shape of entertainments or re-unions of the members of the congregation, they usually take place during the evenings, leaving the whole of the day time for cleansing operations, with this drawback, that

a large number of people meet in the school rooms shortly after the place has been cleaned up, with the result that during certain times of the year the results are not evident.

Nearly all the schools in the Borough under the Education Committee's jurisdiction have their closets on the Water Carriage System; these, with the urinals are kept well under supervision, and are always in a satisfactory clean condition.

The children are much better in this respect than formerly. Their bodies are always clean, never showing signs of vermin, and their clothing exceptionally clean looking; the periodic visits of Miss Orpin seem to act as a stimulus to cleansing operations, certainly there is not that indifference to their looks which formerly obtained, and a smarter appearance is becoming more and more a habit, the exception to this improvement is the hands, which are often found to be grubby, due to the playgrounds in some places being covered with ashes, and contact with this is certainly not favourable to clean hands.

INFECTIOUS AND CONTAGIOUS DISEASES.

The town was singularly free from Infectious diseases with the exception of SCARLET FEVER.—This complaint has been quiescent for a number of years; the part of the year of its development is during the Autumn and it disappears early in November, thus its incidence is seasonal and its recurrence is periodic, coming amongst us and developing about every third or fourth year; this, no doubt, is due to the fact that children from two to six years of age are the most susceptible. After a serious epidemic the children are rendered immune by an attack of the fever and the soil is exhausted, the disease fails to materialise until another crop of children are born and have reached the susceptible age. When this happens the disease spreads mainly in the schools due to the close aggregation therein and an epidemic is the result.

We have over 200 cases notified during the year, these were dealt with at Bull Hill Infectious Hospital as far as the accommodation permitted, with the result that the complaint did not spread as far as it otherwise would have done.

On the 7th January I visited Earcroft School and I found the closets clean and in good working order. This School was fumigated on the 15th of April and another visit paid to it on the 20th of April.

On the 2nd September Miss Orpin and I went to Blackburn Road Council School, Infant Department, and examined the children there; one was seen to be peeling, viz: James Coleman, 13 Dove Lane, who evidently had been suffering from Scarlet Fever.

On November 9th Inspector Marsden informed me that a case of Scarlet Fever was reported from St. Paul's School, Hoddlesden, this child's home was in Waterside.

On 4th November, Circulars concerning Measles were sent to Blackburn Road Council School, and on the 13th November similar circulars were sent to St. Cuthbert's School. Owing to the prevalence of Measles among the children attending Blackburn Road School, this place was closed for eleven school days.

During October I discovered a boy in Duckworth Street Council School who was desquaminating after Scarlet Fever, and on two separate occasions the teachers have sent children home who were desquaminating. This shows the danger to the community of the mild, undetected cases being in school. The Inspectors leave printed instructions at the homes of the patients.

Table showing the Schools attended by Children Notified to be suffering from Scarlet Fever during 1914:—

The state of the s	3	3	4	1	5	,	6	;	7	7	8	3	,	9	1	0	1	1	1	2	1	3	1	4	To	tal.
E MANAGE COME	M.	F.	М.	F.	M.	F.	М.	F.	М.	F.	M.	F.	M.	F.	M.	F.	м.	F.	M.	F.	M.	F.	M.	F.	M.	F.
St. Cuthbert's	1	1			1	1	3		1	1	1	1			1	1	1	1							9	7
St. John's						2		1			1	1													1	4
Earcroft	1		1		1						1				1		1					1			6	1
Hollins Grove		1		1		1	2	1	2	2		2				1		1							4	8
Trinity				2				2		2			1	4	1	1	1	2							3	13
Culvert						1		2				1				1		1		1			1		1	7
St. Paul's				1			1		1	1			1		1			1	1						5	3
St, George's	1			2	1		3			1		2	1												6	5
Sudell Road													1												1	
Duckworth St	1			2				1	1	1	1		5	1		1		2		2					8	10
Blackburn Rd					1		1		1		2					i	1				1		100		7	1
Lower Chapel				1												i										2
Bolton Road			2			1	1	2		2	1							2							4	8
Spring Bank							1			1		2	1					ī							1	4
Belgrave												2	2	2	1	2				3		1			3	9
St. Joseph's	1						1	2	ï				-	ī	-	-	1	1		,		i		***	3	6
Highfield	1				i		*	-	•			•••		1			1	1				-			2	
St. James'	1				1	1	1	1			9		1		•••				1.		***	***			5	2
Central Council		•••		1		1	-	-	2		-	***	-		***	***		***			***	•••		***	2	1
Central Council		•••		1	•••				-			•••		***		***					***				4	1
	6	3	3	10	5	7	13	13	9	10	9	10	13	8	5	9	5	19	1	6	1	3	1		71	91

Table showing the Schools attended by Children notified to be suffering from Diphtheria during 1914:—

		3	4	Į.	1	5	(3	7	7	8	3	5)	1	0	1	1	1	2	1	3	1	4	To	ta!.
	М.	F.	м.	F.	M.	F.	и.	F.	M.	F.	М.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Sudell Road											1												1		2	
St. Paul's											1								1		1				3	
Belgrave				• • • •				• • • •					1			•••									1	
Trinity St. Edward's	•••	1		• • • •		•••		• • • •		•••	1		• • • •		• • • •	•••		•••	•••		• • • •	• • • •		•••	1	1
Highfield	1																								1	
	7	-									3		1						1		1		-		8	,

On looking over the table of deaths of children at school-age, it is interesting to note that no child died from Phthisis, one died from Tuberculosis of Mesenteric Glands, one from Generalized Tuberculosis, and one from Tubercular Meningitis. This fact again accentuates my previous contention that Phthisis is not a common disease of childhood.

The deaths from Phthisis since 1893 to 1914 inclusive, number 686. These are distributed as follows:—

Under 1 year.	1 to 5.	5 to 15.	15 to 25.	25 to 60 and 65	60 and 65 and upwards.
3	10	21	62	558	32

Since 1905 the age period has been altered from 25 to 60 to 25 to 65, up to 1904 inclusive, the last age period was 60 years and upwards, in which there were 27 deaths, after that year it was returned at 65 and upwards, and there were only 5 deaths, a very suggestive fact. In 22 years only 21 deaths from Consumption have taken place among children at 5 to 15 years old, or less than one per annum whereas the large number of 558 deaths occurred among persons aged 25 years up to 60 and 65. If this complaint were common at the school-age, certainly a larger number of deaths would take place at an earlier age, taking the average duration of Consumption as $7\frac{1}{2}$ years (Osler), more persons would die before reaching 20 years than obtains at present.

Table showing the cause of death of Children at School-age :-

Cause of Death.	3	3	4	Į.	5		(;	7	7	8	3	()	10	0	1	1	1	2	To	tal.
Cause of Death.	м.	F.	м.	F.	М.	F.	М.	F	M	F	M	F	M.	F.	М.	F.	M.	F.	M.	F.	м.	F.
Measles		1																				1
Heart Disease						1							1			1	1				2	2
Croun				100	1																1	
Tubercular Meningitis									1												1	
Mastoid Abscess Pneumonia												1										1
Pneumonia					3	1															3	1
Injuries (accidental)			1																		1	
Rheumatic Fever				1														1				2
Enteritis	1													1							1	1
Scarlet Fever Drowned (accidental)			1																		1	
													1								1	
Generalised Tuber- culosis															1						1	
Mediastinal Abscess														1								1
Tubercular Mesenteric																						100
Glands									1												1	
Glands Laryngitis					1																1	
oftones specimen	1	1	2	1	5	2			2			1	2	2	1	1	1	1			14	9
	2	2	-	3	7	7	-	-	-	2			-	1	- 5	-	-	2			2	3

PHYSICAL CONDITION.

These Tables showing the Heights and Weights of Boys and Girls respectively, also comparing them with the average heights and weights of the general population of Great Britain for the same ages, are worth more than a passing notice. In Darwen the staple trade is cotton weaving with side lights as it were of other trades, such as spinning, paper making and printing, some iron work, although we appear to have lost our name for loom making: I think Blackburn has absorbed our share of this industry, and some coal mining. These industries, inasmuch as they employ both sexes at an age when they are in school a part of the time must have some influence in the growth and development of the young. We shall see as the years roll on how this influence is exerted, whether in improving the stock, or depreciating it.

BOYS above the average in Height are found at the ages 3, 4, and 8.

Those below the average in height are at ages 5, 6, 7, 9, 10, 11, 12 and 13.

In Weights, those above the average are aged 3 and 13; all the other ages are below the average.

GIRLS compare more favourably than the boys age 3, 4, 8, 9 and 11 are above the average height, whilst ages 5, 6, 7, 10, 12 and 13 are below the average height. In Weights the ages above the average are only 3 and 11, all the other ages are below the average.

It will be noticed that there is a transference of some ages from one average to another, for instance, in boys aged 7 years in my last Report was above the average, this year it is below the average. In weights, in my last Report, the boys aged 4 years were above the average, last year they were below the average, and those aged 13 take their place above the average.

In girls, in height, the transfer is in ages 4 and 11 to above the average, and ages 5, 6, and 7 to below the average. In weights age 6 years is below the average and 11 years has taken its place above.

The peculiar feature in this respect is in both Boys and Girls comparing the weights in my last Annual Report with those for last year, the years 4 and 6 respectively, which were above the average weight, were last year brought by some mysterious influence to below the average weight, and the ages 13 and 11 respectively were previously under the average were last year transferred to above the average weight.

It presumes the children start off in life under favourable conditions, seeing the first age mentioned, viz: 3 years. The boys and girls are over the average in height and weight, but they soon go off and lose the position previously obtained, until at 8 years, both boys and girls are again above the average in height, and in weights in boys we have to wait for him reaching 13 years and girls 11 years before an ascendancy is again observed.

MALES-HEIGHT.

Age last Birthday	3	4	5	6	7	8	9	10	11	12	13
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.
Darwen			40.76 41.03								
Above Average	0.93	0.95				0.19					
Below Average			0.27	1.94	1.38		2.60	0.34	0.95	0.22	0.27

MALES-WEIGHT.

Age last Birthday	3	4	5	6	7	8	9	10	11	12	13
	lbs.										
Darwen	35.8	36.3	39.5	42.8	46.1	51.5	54.0	61.5	63.6	74.1	83.6
Britain	34.0	37.3	39.9	44.4	49.7	54.9	60.4	67.5	72.0	76.7	82.6
Above Average	1.8										1.0
Below Average		1.0	0.4	1.6	3.6	3.4	5.6	6.0	8.4	2.6	

FEMALES-HEIGHT.

Age last Birthday	3	4	5	6	7	8	9	10	11	12	13
September 19 and 19	Ins.										
Darwen	39.00	39.02	40.52	42.03	44.24	46.66	49.46	47.87	54.00	55,58	56.85
Britain	36.23	38.26	40.55	42.88	44.45	46,60	48.73	51.05	53.10	55,66	57.7
Above Average	2.77	0.76				0.60	0.63		0.90		
Below Average			0.03	0.85	0.21			3.18		0.08	0.98

FEMALES-WEIGHT.

Age last Birthday	3	4	5	6	7	8	9	10	11	12	13
	lbs.										
Darwen	34.5	35.6	38.5	41.4	44.4	49.0	54.9	56.6	73.6	73.8	79.6
Britain	31.6	36.1	39.2	41.7	47.5	52.1	55.5	62.0	68.1	76.4	87.2
Above Average	2.9								5.5		
Below Average		0.5	0.7	0.3	3.1	3.1	0.6	5.4		2.6	7.6

The Anthro-pometric system, which shows the difference in percentage, is again given in table form.

		Mai	ES.		-	FEM.	ALES.	
	HEI	GHTS.	WEIG	HTS.	Heio	GHTS.	WEI	GHTS.
	Great Britain.	Darwen	Great Britain.	Darwen	Great Britain.	Darwen	Great Britain.	Darwer
3	100	102.4	100	105.2	100	107.1	100	108.1
4	100	102.4	100	97.2	100	101.9	100	98.6
. 5	100	99.4	100	99.2	100	100.0	100	98.2
6.	100	25.7	100	96.5	100	98.1	100	99.3
7	100	97.0	100	92.8	100	99.6	100	93.5
8	100	100.4	100	93.1	100	100.1	100	94.1
9	100	94.8	100	91.9	100	101.2	100	99.0
10	100	99.4	100	91.0	100	94.0	100	91.4
11	100	98.3	100	88.3	100	101.6	100	107.7
12	100	99.6	100	96.7	100	99.9	100	96.6
13	100	99.6	100	101.2	100	98.4	100	91.7
Total .	1100	1089.0	1100	1053.0	1100	1101.9	1100	1068.2
Avr'ge	100	99.0	100	95.7	100	100.1	100	97.1

Comparing the heights and weights of the boys and girls, the girls are taller than the boys at ages 3, 5, 6, 7, 9, 11, and 12; and weigh more at all ages except 5, 12, and 13.

These figures do not compare equally with those generally published, in these, which are from 100,000 examinations, the girls are taller than the boys at ages 12 13 and 14, and weigh more at ages 12, 13, 14, and 15.

Table showing Average Height of Boys and Girls.

to 7 yrs 7 to 8 yrs 8 to 9 yrs 9 to 10 yrs 10 to 11 yrs 11 to 12 yrs 12 to 13 yrs 13 to 14 yrs	Ins.	56.64	56.85
12 to 13 yrs	Ins.	54.77	55.58
11 to 12 yrs	Ins.	52.55	54.00
10 to 11 yrs	Ins.,	51.50	47.87
9 to 10 yrs	Ins.	47.10	49.46
8 to 9 yrs	Ins.	47.24	46.66
7 to 8 yrs	Ins.	44.59	44.24
	Ins.	42.06	42.03
5 to 6 yrs	Ins.	40.76	40.52
3 to 4 yrs 4 to 5 yrs 5 to 6 yrs 6	Ins.	39.41	39.03
3 to 4 yrs	Ins.	37.75	39.00
		Males	Females

Table showing average Weight of Boys and Girls.

lbs.	lbs.	lbs. lbs. lbs.	lbs.	lbs.	lbs.	lbs.	10s. 1bs. 1bs.	li to 12 yrs	liz to 13 yrs	lbs.
35.83	36.36	39.51	42.84	46.12	51.55	54.00	61.50	63.60	74.13	83.67
34.50	35.66	38.55	41.38	44.36	49.04	54.93	56.63	73.62	73.78	79.62

	No.	Reported.	Curred	omean.	Improved		Operation	necessary.	Operation	to be done.	No Action		Left the	town.	Treated at	Clinic.	Further Visite by	S. N.		S. M. O.
	1913	1914	1913	1914	1913	1914	1913	1914	1913	1914	1913	1914	1913	1914	1913	1914	1913	1914	1913	1914
Enlarged Ton	1	- Control			1	1							1		-	-	-	1		
sils		10		3		***		4		3		***		***	***			***	***	
A	58		34		***		9		5		8		2	***			13		13	
denoids	***	14	***	6	***	***	***	2	***	5	***	1		***		***	***	***	***	***
Re-Inspected									1000								1			
& reported			14 3														1500			
on Enlarged Tonsils		10		1.				3		3		3			1000					
" Adenoids	***	12	***	2		***		5		4		1		***			***	***		***
quint & De-		12		-				0		*		1		***	***		***	***	***	***
f't've Sight	9	56	5		1000		100	11999	4	1000 ATT	700		The same	23325		52	300		4	
Def't'veTeeth		19	14	1		***					***	1				17		***	4000	***
Car Disease .	2	5			2	5										3				
Skin Disease				10000			-	1000	2000	100000	1	1000		1970	333		1917	1000	***	
Blepharitis		6				6														
Eczema,	1		33.00	0.000	1933			10000	100000	7299			123389	10000	200	1			1,000	- 224
Heads	1 14	10	11		3											10				
Heart Disease		4			No	Exer	cises													
In-classified.	3	4			1	2					2		***	***	***		2	***	2	- 13
Dirty Heads.	207	176	22		52	15											185	161		
	315	326	86	13	58	28	9	14	9	15	10	6	2			82	200	161	19	

NUMBER OF SCHOLARS INSPECTED AT EACH SCHOOL DURING 1914.

										NU	JME	ER	I	NSP	ECT	red							-	-		-
	- 3	3	-	1		5	-	3	7	7	8	3	9		1	0	1	1	12	2	1:	3	1	4	Tot	als.
	м	F	м	F	м	F	м	F	м	F	м	F	м	F	м	F	м	F	M.	F	м	F	м	F	м	F
Belgrave B'burn Road Blacksnape Bolton Road Central Coun Duckworth St. Earcroft Highfield Sudell Road Hollins Grove Holy Trinity Lower Chapel St. Cuthberts' St. George's St. Edward's St. James' St. John's Culvert St. Joseph's St. Paul's Sandhills Spring Bank	:: :: :: :: :: ::	· · · · · · · · · · · · · · · · · · ·	6 1	······································	14 5 15 20 5 18 10 13 34 4 6	1 12 2 14 8 12 10 22 17 3 17 13 16 37 2 	1 8 2 4 1 7 6 3 4 7 7 2 21 7	4 2 6 2 1 1 3 16 5 7 32 4	 1 3	2 1 2 4 3 1	7 16 19 20 4 26 17 17 34 4 2 6	3 6 4 4 4 6 24 14 22 32 18 22 4 29 19 12 10 5 1 18	 1 1 1 	 1 5 1 1 2 2 1 1 1 1		···· 2 ··· 1 ··· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ·· ··	4	··· ·· · · · · · · · · · · · · · · · ·	12 17 9 4 14 5 31 11 13 16 9 22 15 10 23 6 1 7	26 14 6 17 2 13 11 124 10 20 15 2 18 5 11 12 5	6 3 1 2 3 1 1 1 3 2 1 1 3	2 1 2 4 2 1 3 2 6 6 3			32 68 6 18 8 36 15 7 36 50 59 46 54 63 26 77 47 54 116 18 4 32	466 711 66 255 77 455 118 433 433 636 57 766 588 144 833 47 62 102 144 247
	3	1		-	202			106	1000			290		1000	-		6		228	2000	33				872	37,00
	4	1	1	35	4	32	15	92	5	1	5.	50	2	1	1	0	1	0	44	9	6	0	1	2	18	16

The Table shows the actual work done and the results.

The number of cases of Enlarged Tonsils and Adenoids is 24, as compared with 58 in the previous year; so many were dealt with in 1913 that the number is naturally lower in the following year. These will eventually be brought down to one level showing the average number of children affected with these complaints, and these will be the only ones to be dealt with each year.

Miss Orpin has re-inspected 22 of these, this means she has followed them up, and in special cases has used her influence in the direction of an operation.

During the year Dr. Scott Heyliger, of Blackburn, was appointed Ophthalmic Surgeon, and Mr. Bromley, of Darwen, as Dentist.

A building in Bolton Road was taken. It is very central and easy of access from every part of the town. It consists of a front portion, intended by the architect for a shop, but which has been transformed into an office for the School Nurse, a large room behind this is used as a waiting room, it is well lighted from the roof and warmed by two gas stoves. Upstairs, over the office, is the Ophthalmic Surgeon's room, containing a dark room for the examination by means of the Ophthalmioscope, this room is also used by the Dental Surgeon. All the appliances and instruments have been bought and installed.

Mr. Bromley has been busy this year attending to the teeth of the recruits, and has, consequently, had to forego his work with the School children. This will be remedied as soon as he can be liberated from attendance on the recruits.

TABLE I.

Number of Children Inspected 1st January, 1914 to 31st December, 1914 :—

A.— "Code" Groups.

The same of			E	NTRAN	NTS.				LEAV	ZERS.		Grand
Age.	3	4	5	6	Other Ages	Total	12	13	14	Other Ages	Total	Total
Boys	3	15	202	86		306	228	33	2		263	569
Girls	1	20	230	106		357	221	27			248	605
Totals	4	35	432	192		663	449	60	2		511	1174

B .- Groups Other than "Code."

	Intermediate		SPECIAL	CASES.	
	Group. 8	7	9	10	11
Boys	260	25	6	6	6
Girls	290	26	15	4	4
Totals	550	51	21	10	10

TABLE II.—Return showing the Physical Condition of Children Inspected.

		国	ENTRANTS	STX		T	LEAVERS.	rs.	-	NTE	INTERMEDIATE GROUP.	LATE			TOTAL.	4		SPE	SPECIAL CASES.	CASE	1 00 1
	CONDITION.	Boys	Girls	LatoT	Per cent.	Boys	Girls	Total	cent.	Boys	Girls	Total	cent.	Boys	Girls	Total	cent.	Boys	Girls	Total Ter	cent
T	Total Inspected	306	357	663		263	248	1119		260	290	550		829	8951	1724		43	49	92	:
Clothing and Footgear.	Satisfactory Unsatisfactory	305	355	660	99.6	263	248 6	1119	100 2	258	290 5	548 9	99.7	826	893 17	1719 9	99.7	43	49	92	100
Footgear.	Satisfactory Unsatisfactory	::	::	::	::	::	::				::				::	::	::	::	::		::1
Cleanliness of Head.	Clean Nits only Pediculi	303	301 54 2	57	91.1 8.6 0,3	262	63	447 64 1	12.5	258	69	71 1	12.9	823	186	1530 8 192 1	88.8	43	8 :	88 :	8.7
Cleanliness of of Body.	Clean Dirty Pediculi Present	306	357	663	100	262	248	510 9	99.8	260	290	550	100	828	895 1	1723 9	99.9	43	49	92 : :	100
Nutrition.	Excellent Below Normal Bad	306	357	663	100	263	247	510 9	99.8	260	290 5	550	100	829	894 1	1723 9	99.9	.: 43		.: 92	100 ::
Nose and Throat.	No Defect Mouth Breathers Tonsils enlarged slightly Tonsils much enlarged Adenoids, slight Adenoids, marked	304	347	12 12	98.2	259	236 4	3 13	96.9 2	5	23.88	7 1	98.5	817 8	871 10 14 10	1688 9	97.9	1 : 42	4 0 0	86 9	93.4
External Eye Disease.	No Disease Blepharitis Conjunctivitis Corneal Opacities Other Disease	304	356	660	99.6	260	245	202	93.8 0.4 0.4 0.4	1	289	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	99.6	. 4	. 2	3 2 2 8	99.4	1	64 :	91 9	1.1

	à			-	1000	10	1 6	-		10	16 =	16-	161	10
	6.86			:-	11.9	02::::	98.9	7 ::		8 : : :	1.1	98.9	98.9	02 : : :
	16			:-	111 566 255	8 : : : :	91	- : :		95	6 :::	9	91	95
	49	:		::	28 15 15	49	49	:::	:	4 : : :	49 : : :	4:	49	49 : : :
	45	:		:-	10 : 10	4 ::::	42	- ::	:	+ :::	1 :::	42	42	43 : : :
,	8.66			0.5	21.5 50.9 24.6	99.3	7.66	0.3	:	99.9	99.7 0.1 0.2	99.7	99.9	99.8
	1720	:	: :	: *	242 877 425	1714 8 1 1	891 1719	2 ::		1722	1119	1723	1722	1721
)	894	:		:-	240 438 217	888 :	168	-::	:	895	894	894	895	894
	826			: :	182 439 203	826	828	4 ::	:	827	825	829	827	827
	99.5	:	: :	0.5	18.9 49.5 31.6	99.8	8.66	0.5		100	99.8	100	100	99.8
	547		. :	: :	104 272 174 	549	549	7::	:	550	549	550	550	549
	289		: :	:-	60 142 88 	289	290	:::		290	590	290	290	290
	258	:	: :	: 01	44 130 86 	260	259	- ::	:	260	259	260	260	259
	8.66	:		0.5	22.2 61.8 16.0	98.00.00:	100	:::		99.8	99.6	100	99.8	100
	510	:	: :	:-	113 316 82	1 1	211	111	:	510	509	511	510	511
	248	:		::	154 44 	242	248	:::		248	548	248	248	248
	262	:		:-	. 162 38 38	260	263	:::	:	262	261	263	262	563
	1000	:	: :	::	30.6 43.6 25.8	9::::	99.4	9.0		99.9	99.7	99.9	99.9	99.8
	663	:	: :	::	205 289 169	663	629	4 ::		662	661	662	662	661
	357	:	: :	::	130 142 85	357	353	4 ::		357	356	356	357	356
	306	:	:	::	75 147 84	308	306	:::		305	305	306	305	305
	No Disease	Obstruction, K	Otorrhœa, R.	; ;	Sound Less than four decayed Four or more decayed Sepsis'	No Disease Functional Disease Anæmia Other Defect	No Disease	Bronchial Catarrh Tuberculosis suspected	Other Disease	No Disease Epilepsy (major or minor) Chorea Other Disease	Ringworm, body Ringworm, head Impetigo Scabies	No Disease Slight and marked	No Deformity Deformity present	No Disease Glandular Bones and Joints Other Forms
	I oN	Ear Obst			Sound Less the Four or Sepsis'	Heart Organic Jand Circulation. Anamia Other De	No I	Lungs. Tube	Othe	Nervous Epileps System. Chorea Other I	No Dise Ringwo Ringwo Impetig Scabies Other I	No D Rickets. Sligh	Deformities. No D	Tuberculosis No D Non-Gland Pulmonary Bonee Other
			D			Circ		-	1	400	20	Ric	Def	Tut

TABLE II.—Continued.

		1														1	1				1
			H	ENTRANTS	SIN		-	LEAVERS	ERS		INT	INTERMEDIATE GROUP.	DIATE			ToraL		602	PECIA	SPECIAL CASES.	SES.
	CONDITION.		Boys	Girls	Total	Per	Boys	dirls	Total Ter	queo	Boys	Siris Total	Per	cent	Boys slris	1-4-11	Per	Boys	strip	LatoT	Per
Speech.	Not Defective Defective Articulation Stammering	:::	304	357	1 1	99.8	263	248	511 1	100 2	1	290 5	549 99 1 (99.8	826 89 2	5117	2 0.2 1 0.1	4 : :	4 : :	9 92	100
Mental Condition.	Normal Dull or Backward Mentally Defective (all grades)	::::	306	357		001 : :	261	248	1 (99.6 2	1	290 5	549 99. 1 0.	00 61	826 89 2 1	895 172	1 99. 1 0	2	3 49	9 92	100 : :
Vision. Squint Hearing (Whisper)	6/6 each eye (normal vision)	::::::::::::::::::::::::::::::::::::::	:::::::::::::::::::::::::::::::::::::::	:::::::::::::::::::::::::::::::::::::::	:::::::::::::::::::::::::::::::::::::::	:::::::::::::::::::::::::::::::::::::::	4 444 2 2 2 2 2 1 1 1 2 2 2 2 2 1 1 1 1 1 1 1			995.2 0.2 1.4 1.4 1.0		111111111111111111111111111111111111111	55538 58 58 58 58 58 58 58 58 58 58 58 58 58			2296 259 259 259 259 259 259 259 259 259 259	::::::::::::::::::::::::::::::::::::::			8888 37 2	22
	:					:	98	_	22 E	1.0	1	-	-	-	_	_	5				4

TABLE III.

Numerical Return of all Exceptional Children in the Area.

			Boys	Giris	Total
BLIN (including pa	D rtially blind)	Attending Public Elementary Schools		1	
DEAF AN (including p	D DUMB partially deaf).	Attending Public Elementary Schools	2	1 2	2 4
MENTALLY	FEEBLE MINDED.	Attending Public Elementary Schools Attending Certified Schools for Mentally Defective Children Not at School			
DEFICIENT	Imbeciles.	At School			
	IDIOTS				
EPILEP	TICS.	Attending Public Elementary Schools			
	PULMONARY TUBERCULOSIS	Attending Public Elementary Schools Attending Certified Schools for Physically Defective Children Not at School			3 1
Physically Defective	OTHER FORMS OF TUBERCULOSIS	Attending Public Elementary Schools Attending Certified Schools for Physically Defective Children Not at School		1	2 1
	CRIPPLES OTHER THAN TUBERCULAR	Attending Public Elementary Schools Attending Certified Schools for Physically Defective Children Not at School			5
Dull or	BACKWARD.	Retarded 2 Years	5 2 3	3 2	8 4 3

MENTALLY DEFECTIVE CHILDREN.

- A. B., aged 10 years, is in Standard II., but does not know the alphabet, she is a twin. The only incident in her life her mother could remember was when the child was 6 years of age she fell down stairs and after this she had strabisams, she did not have convulsions. Her memory is very poor, she can sew, knit and do housework, in fact, she is a great help to her mother; she is very fond of play, is rather short for her age, has a voracious appetite, in fact, she eats too much; at two years of age she only weighed 11lbs. and did not walk until she was five years old, her dentition was completed at 2 years of age.
- B., her twin sister is similarly backward and attends school, is in Standard II.; She also is splendid in house work.
- F. B. is $10\frac{11}{12}$ years old: commenced school at 7 years of age, walked at 5 years was premature at birth—her mother had a very hard confinement— 8 months' child, has rickets, poor memory but looks intelligent, has pigeon breast, bronchial catarrh, teeth are notched; there is no evidence of Adenoids, is mentally slow, dresses and washes herself, and is very useful in the house and goes errands, but does not understand the value of money; her speech is imperfect, is in Standard III.
- A. A. Age 8 years. Has clear enunciation, wears spectacles, does not know the alphabet. When 3 years old he had an accident, receiving a cut on his right temple and after this he squinted; first tooth appeared at 12 months old, was 4 years old when he walked, is in the Infant School, goes errands well, dresses himself, cleans his clogs and helps with the housework, is fairly intelligent, but plays with younger children than himself.
- P. W. is 8 years old, is in Standard I., she can read small words and can copy, has very poor memory. She had two epileptic seizures when a week old and was prematurely born—8 months' child—her first tooth was cut when 7 or 8 months old, and walked when more than 2 years old; her mother had great trouble with her feeding. She is very useful in the house and in the cow sheds. Her teacher first noticed that she was mentally backward. She appears deaf at times.
- L. Y., aged 9 years. Is in Standard I, cannot read, his family history and surroundings are very poor, the family is very poor, and he lacks attention.
- E. I. T. Age 14 years. Short for her age, is in Standard II., she washes and dresses herself, can knit, sew and do housework. 1st tooth erupted at 8 months old, walked alone at 4 years old, commenced school at 6 years. Her teacher first noticed she was backward, she plays with children her own age; she can go errands, but does not understand the value of money.

- J. W. Aged 8 years, is in Standard I., is an epileptic—had an epileptic seizure in school a short time before, he drags the right foot and writes with the left hand; apparently is an epilepto-apoplectic. Very imperfect knowledge of his letters, but has a fairly intelligent face.
- N. A. Aged 12 years, is in Standard IV., knows her letters, is fairly intelligent looking; is a half-time weaver.
- H. H. Aged 9 years, imperfect speech, his sight is apparently defective, his disposition is very destructive, does not attend any school as he cannot learn, his temper is bad and he has no control of sphincter ani, low forhead; appears to be always laughing.
- H. W. can say her letters, but not distinguish them, has very heavy dull features, is an epileptic, had her first seizure at 3 years of age, her first tooth erupted at 3 to 4 months old, and the whole lot when 14 months old. She has had Whooping Cough and Measles. She has epileptic fits during the night frequently and her appetite is abnormally large. She walks fairly well, keeps her right hand doubled up or clenched, and it is invariably cold; she does not use it. Is of a destructive disposition and has a violent temper.
- A. A. W. Aged 8 years. Standard I. Is epileptic and has fits: her first seizure when 12 months old and her second when 7 years old. Her first tooth erupted when she was 12 months old, she walked when she was 3 years old. The lower teeth are notched and her breath is very foul.
- W. F. Aged 12 years. Does not attend school. When asked why he does not he remarked "The teachers say I am too silly to learn." He is very often seen about the streets, and I have seen him at the Destructor Works filling ashes into a cart; is evidently fond of horses. The teachers do not like him at school as the other children tease him and jeer at him, his temper is very bad so he quickly retaliates and sometimes has seriously injured a child, not necessarily the one most to blame.
 - J. W. Aged 11 years, is in standard III—Girl.
- A. W. Aged 8 years, is in Standard I., brother to above, both have good teeth, but notched, heavy dully features. This is a very large family and I remember being in attendance at one of the mother's confinements many years ago, when the child was a huge one, weighing 12 lbs. I fancy the earlier children were fairly intelligent, passing through school with a minumum result educationally, but were able to learn and follow weaving satisfactorily.
- S. H. Female. Aged 8 years. Has an old-fashioned face, does not attend frequently but irregularly as she has been ill. She does not know her letters.

- W. H. Aged 10 years, is in Standard I. and cannot read; she shows distinct lack of reasoning powers. The father is a spinner and her mother is the housekeeper. They have seven children, all the others are working.
- A. P. is in Standard I., and knows some of the letters, he can copy, knows the comparative value of money, seems fairly intelligent, and holds his head on one side.
- W. T. M. Aged $10\frac{7}{12}$ years. In Standard II., he does not know his letters, cannot learn to read, but has learned to tell the time. He appears to be about the average size; he was about 11 months old when his mother noticed that he could not sit up, when walking he runs into people, he had a fit of epilepsy when 3 days old, another fit when 5 years old and the last about two years ago. He will only play with children much younger and less than himself, is fairly intelligent looking; when once he begins to laugh he cannot stop.
- W. H. Aged 7 years. Is in Standard I, he is quite intelligent looking, with good features.
 - W. F.—Boy. Aged 6 years, he is in Standard I. Clogs are very poor.
- W. F.—Boy, deaf, brother to above; he can write and draw very well from copy. His clogs have no soles whatever, surroundings are very poor.
- J. T. Aged 7 years. He squints, is very small, comes off a family of small people. Standard I. At his birth instruments were used and his head was injured, in one eye the sight is defective; he walked before he was a year old, commenced school when 5 years old, he has a troublesome cough, like a dog barking, croupy sound. He suffers from attacks of Laryngismus Stridulus, he has an abnormally large appetite, is a very good reciter.
- B. C. Aged 12 years, is in Standard III., squints with left eye, has done so from from birth; his speech is defective, he is intelligent and knows his way about; he imitates well.
- S. B. Aged 12 years. He is in Standard III. First tooth erupted when 12 months old and walked before he was 2 years old, when he had a stroke, walked again when 4 years old. At times he is very stubborn; he is of good physique, and is ambidexterous.
- M. W. Aged $11\frac{11}{12}$ years. Her features are of a low type, her right leg is shorter—this was noticed when twelve months old—has had no illness. She cannot talk, but knows what you are talking about. She cannot express herself, is very emotional, her head is very square, has never had a fit, is very fond of pictures, no mental attitude.

J. M. Boy. Aged $12\frac{1}{12}$, in Standard I., has poor memory. He had Scarlet Fever when $1\frac{5}{12}$ years old, had Epileptic fit last Monday night and one on New Year's night. The child's birth was a normal one, he does not know his letters, they cannot teach him at school, has full control over his sphincters, cannot wash him self. Walked when 2 years old and talked at 5 years, dentition commenced when 12 months old; has Strabismus.

There were 15 males and 12 females mentally deficient in attendance in our Elementary Schools in Darwen, making a total of 27.

The outstanding feature of these deficients is the want of memory, so that their education as we understand it, is impossible when attempted on the ordinary lines. They do not, even in one case, know their letters, the result is, a child has either to be kept back in a lower standard than his age justifies and he is the butt and laughing-stock of the rest of the class, who are much younger than himself, or he is put in a standard suitable for children of his age, when his teacher has to neglect him to attend to the others and he is simply a block, allowed to do as he likes, because any time spent on him means the neglect of the others, without any conpensating advantage to the education of the deficient one. They all lack initiative, which probably accounts for these children choosing their playmates from those much younger than themselves.

It is not fair to themselves nor to the other children of the class in which they are, nor to the teachers who have charge of them—in fact, it is evident to anyone who has seen much of these unfortunate children, that the teacher, to be successful with them must have special training for the work and must be peculiarly fitted by disposition and temperament to be a success. It is not only because these mentally weak ones are a special charge on the Education Authorities, but their entire future rests on the amount of useful education which may be imparted to them.

At present they are not being trained and the future is an unknown quantity. Eudcation, by which we understand the equipment of the mind with useful facts and forces to be in later years utilized for the benefit of mankind, and of such a character as to claim a living wage, is out of the question; at least it is not a mental but a manuel education which is possible for the present and practical for the future. This cannot be undertaken in the ordinary elementary schools, nor—may I suggest without prejudice—by our elementary teachers. Each temperament require to be specially and separately studied to find out his or her proclivities in what direction his leanings are, so that his energies may be directed in the proper groove. Suppose these children are left without the proper direction of his energies, what will be the result? They are fast growing up, and time is short; these natures grow and develop fast, they mature physically earlier than the ordinary youth and maiden; as "like draws to like the world over" proverb, so in after years they will naturally be drawn

towards each other, ending in ties stronger than they will be able to sever, and so there will be nothing to prevent them joining forces as these animal natures mature early so this side of their economy is for ever uppermost. It will not stretch one's imagination far to forsee large families with atavistic tendencies they breed back, like a colony of the finest bred pigeons if put on an island and left to themselves will breed back to the common type from which they originally sprang; so the children of our defectives will be a lower type than the parents which gave them birth, and so if they go on they must in time by retrograde movement provide us with a criminal type dangerous to the community. One boy who has a reputation as a copyist was pointed out to me and gave me an example of his work. He could not transpose from printed matter to written characters when the letters were capitals, but any writing put before him he could copy like copper plate. Here is a case no doubt of a boy who, if taught on proper lines, would be able to earn a living and be made into a useful member of society. There are many such, as is evidenced by one of the girls who was passed as a half-timer and is doing very well at her occupation.

It seems to me that such occupations as basket making, toys, &c. are the most likely and feasible for the mentally deficient to be trained in, but they must first be drilled, have their bodies trained in physical exercises, and their minds in disciplinary training before they can be considered fit for the reception of further instruction.

A few years ago the Education Committee engaged the services of Mr. Yearsley to train a number of children who stammered, with a view to their recovery.

I took great interest in his methods and the results. I was struck by the effect which such evolutions as deep breathing exercies had upon them: the development of the chest and then the result of well considered recitations was very remarkable, and I think we would be reasonable if we expected similar good results. The number is large enough for a beginning, and I think a useful school might be formed, or, failing this, to send them away to a residential school where they could be kept at the expense of the rates.

If something is not done to get them out of the groove in which they simply exist, we shall find we are burdened with an increasing number of useless and certainly not ornamental units, their own lives made miserable and empty for want of something to do, and if ever a proverb were true it is the one which says, "Satan finds some mischief still for idle hands to do." It is a serious subject and a painful one, yet no good will be done by shelving it or ignoring it, the matter must be taken in hand by one authority or another.

I have in my mind's eye one of the members of this unfortunate class, who today, whilst still in his teens is leading a useless, and yet an apparently active life, for he always seems on the go.

EXAMINATION OF SCHOOL CHILDREN.

The number of entrants examined was 663. The number of leavers was 511. The Schools are visited twice a year and the new children admitted and those who will leave before the time of the next visit are examined. Very few parents indeed take advantage of the invitation to be present during these examinations, owing to the fact that many of the mothers go to the mill and it is not convenient for them to be absent from work.

The improvement is being maintained in the cleanliness of the children.

The cases in which girls have Nits in the hair is too large. The School Nurse is careful in giving instructions, printed and verbal, on the methods of getting rid of this pest; she also follows up these children by visiting them in their homes, where she can influence the mother in habits of cleanliness. She is not often successful in catching the mothers at home, where the said mothers go out to work, and there is an opinion common to these mothers that Nits are, if not a necessity, they are an evil which is natural to all children and must be looked upon as a part of their education. The reason why girls suffer out of all proportion to the boys is the length of hair and the way it is dressed. If plaited I do not think it would be so bad, but if cut short we should soon see its disappearance.

The **Bodies** of the children are very clean, take them all round. There is no excuse for a want of cleanliness; if a bath is not in the house the children can be washed all over before the kitchen fire preparatory to going to bed, and if done every night the bedding would be kept cleaner than it is, in many houses. The view that to have frequent baths is to court the danger of taking cold, is due to ignorance which time and education can alone dispel. The real reason to-day is the attraction of the Picture Palace, which does not leave time for these domestic duties.

The part still not receiving the attention which it deserves is the clothing, in very many instances this, when torn remains unmended, and when attended to the parts are drawn together by unsuitable material, such as white thread in black material.

In many of the poorer homes the footwear is defective. I have seen children wearing shoes or clogs where there was an entire absence of sole.

The cases of skin diseases, &c. are being attended to in the School Clinic as occasion requires; there is, in my opinion, a decided improvement.

EXTERNAL EYE DISEASES.

Blepharitis, of which the number seen was 7, being 2 more than the previous year.

All received attention at the Clinic.

TEETH.

The percentage of Entrants with fewer than 4 decayed teeth is 43.6,% is compared with 30.6% of sound ones, whilst those with four or more decayed is 25.8%.

In the intermediate group the number of sound teeth was 18.% of the total at this age. Those with fewer than 4 decayed was 49.5%, whilst those with 4 or more decayed was 31.6%, pointing very clearly to the infectious character of this decay and the value of dentistry work in school children.

In Leavers, those with fewer than 4 decayed teeth was 61.8%; with 4 or more decayed ones was 16.0%, and with sound teeth it was only 22.2%.

Carious teeth rapidly spread the mischief when once started, owing to their close proximity, to the accumulation of partly digested food undergoing decomposition and the fact that the use of the tooth brush is so little appreciated by the children and also by the parents. The teeth should be well brushed after each meal to remove the remains of food, the teeth should be brushed upwards to get the food from between the teeth.

From enquiries made in the schools, the use of the tooth brush is evidently increasing, but I think the fault lies in the method of its use. There is also a want of attention to the general appearance, the clothing is apt to show signs of neglect, both in regard to cleanliness and to repairs. If a smarter appearance could be developed it would have good results.

HEART AND CIRCULATION.

Actual Heart Disease is rare in school children; the usual instructions are issued to the Head Teachers and to the Parents.

LUNGS.

The only diseases of these organs are Bronchitis and Bronchial Catarrh, there are no more signs that these are tubercular than previously, as mentioned in my last Annual Report.

SKIN DISEASES.

Are becoming fewer, as they are now treated at the School Clinic by Nurse Orpin under my supervision; they get more regular and better attention, so that the course of treatment is shorter.

DEFECTIVE SPEECH AND HEARING.

There is practically no stammering in school children. The number of children who failed in the test at the maximum distance was 6.8%

GENERAL CLEANLINESS.

The changes in this respect continue, though in one respect mentioned above, there is still room for further improvement.

I take this opportunity in presenting my Report to acknowledge the very great kindness, consideration, and help, which I have at all times received from the Members of the Education Committee, and from all the Officials of the Corporation.

> And beg to remain, Gentlemen, Your very obedient servant,

> > F. G. HAWORTH.





In completing this my Twentieth Report, I beg to thank the late Clerk, Mr. J. C. Cook, and the new Clerk, Mr. Littlecott, and the Inspectors for much valuable help.

Also the Members of the Health Committee for their kind forbearance during a critical illness, when I was unable to approach work. For these favours I give you my thanks,

And beg to remain,

Your Obedient servant,

F. G. HAWORTH.





REPORTS

OF THE

INSPECTORS OF NUISANCES,

FOR THE

Year ending December 31st, 1914.



PUBLIC HEALTH OFFICE,

DARWEN,

February, 1915.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE.

GENTLEMEN,

I have the pleasure to submit the Twenty-fourth Annual Report of work carried out by me in the Health Department of the Corporation for the year ending December 31st, 1914.

As regards Sanitary Work, much has been done with regard to the abolition of Pail Closets, which in a few months should be a thing of the past, with the exception of some in the country districts.

Insanitary Ashpits are also disappearing and being replaced by the more sanitary ashtub and bin. From a sanitary point of view I am looking forward to the reduction of the insanitary Waste Water Closet.

I wish to thank the Members of the Committee for the support given to me in all my recommendations to the Health Committee.

I am, Gentlemen,

Your Obedient Servant,

WM. E. MARSDEN.

Cert. Royal San. Inst., Etc.

REPORT.

The Districts for which the Report refers to are Central Ward, South-East Ward, and South-West Ward.

The following Table gives the area and number of houses, and population of the Wards.

	Area in Acres.	No. of Houses.	Estimated Population.
CENTRAL	110	1671	6629
SOUTH-EAST	1900	1700	7008
SOUTH-WEST	1908	1626	6475

During 1914, 58 new houses were certified by the Borough Surveyor, as follows:

South-East	Ward	 43
South-West	Ward	 15

INFECTIOUS DISEASES.

The number of notifiable diseases received during 1914 was 157 as compared with 80 in 1913, being an increase of 77.

The following Table gives the list of cases in Central, South-East and South-West Wards in 1913-1914.

WARD		rlet	Typl		Dipht	heria	Erysi	pelas	Puer		Consur	nption
	1913	1914	1913	1914	1913	1914	1913	1914	1913		1913	1914
Central	2	23	0	1	4	3	3	4	0	1	7	12
South East	7	32	1	3	10	8	0	7	0	0	24	9
South-West	2	27	0	2	7	2	0	5	0	0	11	16
	11	82	1	6	21	13	3	16	0	1	42	37

It will be seen that there was a large increase in Scarlet Fever cases, and these were equally distributed in the 3 Wards.

Immediately on receipt of a notification, the houses are visited and verbal or printed instructions are given to prevent the spread of the disease, and in cases where there is insufficient isolation of the patient, the Hospital is recommended, and during the year 36 cases were removed to Bull Hill Hospital, all being Scarlet Fever.

SCARLET FEVER.—Several cases of Scarlet Fever made their appearance early in the year, in March and April, when several cases were removed to Hospital with a view to preventing the spread of the disease, in June, July and August, the disease appeared to be dying out, but in October and November it appeared again, and in spite of all precautions taken a large number were notified till the end of the year.

TYPHOID FEVER.—6 cases of this disease were notified and 4 died. Inquiries were made in every case, and it was ascertained that in 4 cases shell fish (Mussels) had been partaken of.

After the removal or recovery of each infectious case all articles of bedding capable of being disinfected are conveyed to the Hospital where they are subjected to Steam Disinfection, and the rooms at the houses are fumigated usually by means of sulphur or Formaldehyde.

125 Houses were disinfected, and the following is a list of Bedding. &c. removed to Hospital during 1913-14.

Beds	Mattresses	Bolsters	Pillows	Quilts	Blankets	Sheets	Suits of Clothes	Carpets	Rugs	Cushions	Shawls	Sundries
Central25	4	24	31	23	55	12	0	3	1	3	2	37
South-East .37	6	29	34	32	38	8	0	0	0	2	9	19
South-West .26	9	20	29	18	32	6	1	0	0	0	1	21
88	19	73	94	75	125	26	1	3	1	5	12	77
Year 191345	18	30	49	22	21	9	0	6	8	2	6	15

CONSUMPTION.

Visits were made to 37 cases of Tuberculosis notified to the Department. Verbal instructions were given and printed instructions were left in most cases, as to precautions to be taken by the patient to prevent spread of the disease.

At the request of the Tuberculosis Officer of the County Council, I have superintended the erection of several Shelters in various parts of the Borough, which have been lent to persons who have already received Sanatoria treatment.

NUISANCES, Etc.

During 1914 I received 82 verbal and written complaints; these complaints arose mostly from offensive smells in connection with drains, Waste Water Closets, &c. In all cases I visited the premises and made inquiries with respect to the nuisances and in nearly all cases caused the defects to be remedied.

CONVERSION OF PAIL CLOSETS.

The principal work in the department during the year was the conversion of Pail Closets to the Water Carriage System, but owing to a strike in the building trade and the War during the latter part of the year a large number of the notices served and those outstanding from the previous year were not carried out.

Notices served during 1914 numbered 976, and 814 closets were converted, or in hand at December 31st.

The conversion of Closets were mostly carried out in the South-East and South-West Wards, but a few have been commenced in the Central Ward, and practically the whole of Hoddlesden village has been converted.

The principal conversions which have been carried out, and which necessitated bi-weekly collections are: St. Paul's School, New Mill, Tythebarn Cottages.

OPEN ASHPITS.

Twelve notices were served to abolish large open insanitary ashpits, and in every case the notices were complied with. With only few exceptions the whole of the large ashpits have been abolished and ash tubs substituted. the remaining cases being covered or situated in the country districts. 33 ashtubs have been provided in lieu of ashpits abolished.

HOUSING AND TOWN-PLANNING ACT.

The whole of the houses scheduled under the above Act were inspected at least 8 times during the year and were found to be in a fair sanitary condition. Most of

them have been limewashed and cleansed, and the whole of the closets are now on the Water Carriage System. Two cases of overcrowding were discovered, but after a preliminary notice the nuisances were abated.

OVERCROWDING.

During my periodical inspections of the poorer class property I came across several cases of overcrowding, two of them being very serious cases. I served legal notices and the nuisances were at once abated. In one case it was a large family who removed to a larger house and in the other cases they were lodgers who caused the overcrowding. In all these cases the houses were in a more or less dirty condition and I invariably find dirtiness in all cases of overcrowding. The streets where overcrowding and dirty bedding, &c. cases occurred were: Stoney Flats, Riley Street, Sudell Side Street, Corporation Street and Crown Street

MANURE PITS.

I have inspected these pits periodically and found them generally free from large accumulations owing, I understand, to the scarcity of manure; hence the frequent removal.

Careful inspection was made during the hot weather, and circulars were issued, asking the owners to co-operate with the Department in putting down the nuisance from flies, which is caused chiefly by the non-removal of manure. The occupiers of stables were always willing to comply with the request, and most of the manure pits were sprayed with Kerosene Oil after request.

NUISANCE FROM STEAM.

Complaints were received from occupiers of houses in Starkie Street and Balle Street that nuisances were being caused through the emission of steam.

At Starkie Street Mill the nuisance arose from Water Coolers erected over the Mill lodge and steam being carried therefrom to the houses across the street.

At Darwen Paper Mill steam was emitted from the roof of the machine house through electric fans and carried across Balle Street.

Legal Notices were served to abate the nuisances, but nothing was done Police Court proceedings were then instituted, but the Magistrates dismissed both cases. The following Table gives a list of Inspections, Notices Served and result.

SUMMARY OF WORK.

A. Number and Nature of		Number	B. of Notice	s Served	Result of	C, Service	of Notice.	
Inspection Made.	No.	Legal.	Legal. Prelim-		Remain- ing in	Prosecutions.		
		2208011	inary.	Abated.	hand.	Insti- tuted.	Pending	
Dwelling Houses including								
houses under Town Plan	1707		1 100 100	110 110			10000	
ning Act	1795	******						
Factories and Workshops	244	5	12	12	. 2			
Dairies and Cowsheds	104	9	13	20	4			
Bakehouses	117	5	2	7		******		
Infectious Diseases	157		******		******			
Smoke Observations Nuisances.	83	3		3		4		
Defective Drains	54	17	39	49	5		1	
" Slop Gullies	39	9	41	37	2			
" Soilpipes, W.C.s			and the second				1	
etc	15	2	17	13	2			
,, Troughs and		1						
Downspouts .	77	6	81	70	7	1		
Insanitary Yards	14	2	16	12	2			
Dirty Houses, etc	56	13	42	54	2			
Dirty Closets	12	3	14	11	1			
Accumulation of Refuse	34	2	37	31	3			
Nuisance from Animals	3	1	4	3				
Insanitary Ashpits	12	12		12				
Ashtubs without Covers	27	2	29	23	4			
Broken Sloppipes	33	4	37	30	3			
Choked Waste Water Cls.	17	2	16	17				
Insufficient Ventilation	2	1	2	1	1			
Insufficient Closet Accom.	3	3		2	i			
Overcrowding	6	6	2	6				
Dirty Bedding, etc	3	3	3	3				
Miscellaneous	9	3	9	7	2			
Convert Pail Closets	994	978		814	162			
Emitting Steam	2	2		2	2	2		

FACTORY AND WORKSHOP ACT.

During the year systematic inspection of Factories and Workshops was carried out. 244 visits were made to Workshops, and 117 were made to Bakehouses. Several visits were also made to houses where out work is carried on. The whole of the premises were found to be generally kept in a sanitary condition.

Eight complaints were received from HM. Inspector of Factories: seven cases being for want of limewashing, and 1 case sanitary convenience out of order.

Nine Occupation forms were received from the Inspector, notifying new workshops or change of occupiers.

At several of the places visited I found nuisances which required attention, and after verbal or preliminary notice the matters were attended to.

The following gives the list of particulars in the form required by the L.G.B.

FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES, AND HOME-WORKERS PREMISES.

I.—INSPECTION.

	Numb	
Premises.	Inspections	Notices. Written
Factories (including Factory Laundries)	. 20	1
Workshops (including Workshop Laundries)	. 244	16
Workplaces, Homeworkers Premises	. 3	0
Total	267	17
NUISANCES UNDER PUBLIC HEA	LTH	
II.—DEFECTS FOUND.		
	Number of Found.	F DEFECTS. Remedied
Want of Cleanliness	. 5	5
Want of Ventilation	. 0	0
Overcrowding	. 0	0
Want of Drainage of Floors	. 0	0
Other Nuisances	. 3	3
Sanitary Accommodation Insufficient, unsuitable, or Defec-		
tive (not separate for sexes)	. 2	1
	10	9
III.—OTHER MATTERS.		
Class.		Number.
Matters Notified to H.M. Inspector of Factories		2
200000000000000000000000000000000000000		No. of Contract of
FAILURE TO AFFIX ABSTRACT OF THE FAC	TORY AND	D
WORKSHOP ACT (S. 133).		
Action taken in matters remediable under the Public Healt	th Acts but	
not under the Factory Act (S. 5)—Reports of Action	taken sent	
to H.M. Inspectors		8
Action taken in matters remediable under the Public Healt	th Acts but	
not under the Factory Act (S. 5)—Notified to H.M.	Inspector	2
Underground Bakehouses (S. 101)		1

IV.—REGISTERED WORKSHOPS.

Workshops on Register (S. 131)	144
Workshop Laundries	4
Workshop Bakehouses	8
Other Workshops	9
	-
Total Number of Workshops on Register	185
	_

At the end of the year there were the following Workshops on the Register, classified as follows:—

Clothing, &c.		Jeweilry.	
Milliners	11 7	Jeweilers Watch Repairers	3 2
Boots, &c	10 13	-	5
Underclothing Knitting Clogs	7 4 9	Building, &c.	
Clogs	61	Joiners	6 3
		Painters	6
Food and Drink.		The same of the sa	15
Confectionery Bakers	22 9	Engineering.	
Chip Shops	9	Engineers	3
Restaurants	2	A CONTRACT ORGANIZATION OF THE	3
	44	Laundry.	
		Laundries	4
Conveyances, &c.		Other Trades.	
Wheelwrights	2	Printer	1
Blacksmiths	3 2	Brass Worker Monumental Works	1
Saddlery Coach Painter	1	Tin Plate Worker	ĩ
Shoeing Forges	2	Soap Maker	ī
	-	Clog Iron Maker	1
	10	Cycle Repairing	1
		Basket Making	1
Furniture, &c.		Paper Bag	1
	2	Florist	1
Upholsterers Picture Framer	1	Flock Cleaning	î
Wood Turner	î	Polish Making	1
Cabinet Maker	1	Waste Sorting	2
2 m partial and distance for	6	The second secon	16
The pulse of the state of the s		TOTAL STREET,	

DAIRIES, MILKSHOPS AND COWSHEDS ORDER.

During the year 114 visits were made to the Farms under the above Order, and they were found to be in a fairly clean condition. It was found necessary to serve notices for the following nuisances which were found to exist:—

Defective Roof of Shippon	1
Defective Drains	1
Insufficient Water Supply	2
Badly Constructed Gullies	9
Defective Flagging in Shippons	4
Defective Manure Pit	2
Insufficient Ventilation	3
To Limewash and cleanse	4
The number of Farms and Milkshops on the Register is	
Farms	79
Milkshops	6

BLACK SMOKE.

During the year 1914 I took 83 Smoke Observations, and the average emission of Black Smoke was 3 minutes per hour.

It has been necessary to serve legal notices in 3 cases, and institute proceedings in 4 other cases.

A Notice was served on the occupier of the Sunlight Laundry to raise chimney, after complaints had been received from owners of property adjoining. The nuisance appears to have been abated, as no further complaints have been made.

Complaints having been made with respect to the emission of Black Smoke from locomotive engines working between Spring Vale and Darwen Station, I have drawn the attention to the Railway Co. and Paper Mill Co., and the nuisances have been practically abated.

A full list of Mill Chimney Observations, together with other information, follows.

MILL.	Dat :	of	Bla	ack.	M	lod.		Not oking.	Notice	Boilers.		
MILLE.	Observa		Min	. Sec.	Min	. Sec.	Min	. Sec.	Served.	Bo	Apparatus.	Remarks.
Albert Spinning	.Jany March	20 26		15 0	20 10	45 15	35 12	0 45	April	2	Hand Fired.	
Bowling Green Weaving	April Dec.	21 15		30 15	16 16	45 30	40 41	45 15		3	Proctor's Stokers.	
Britannia Weaving	May .Sept.	19		30 15	21 18	15 30	35 38	15 15		2	1 Hand Fired 1 Bennis's Stoker	
Culvert Weaving	March April May	22 19 19	1	0 30 30	16 16 17	0 45 15	41 41 41	0 45 15		1	Hand Fired	
Darwen Mills (Spinning)		13 13 15	3	30 15 0	19 21 18	30 0 30	36 35 38	$\begin{array}{c} 0 \\ 45 \\ 30 \end{array}$		3	Hand Fired	
Ellenshaw (Weaving)	.March April Sept.	22 21 21	3	$\begin{array}{c} 30 \\ 0 \\ 45 \end{array}$	21 19 21	15 45 15	34 37 34	15 15 0		1	Hand Fired Patent Bars	
Greenfield (New) (Weaving)		16 22	3 2	45 0	19 16	45 45	36 41	30 15		1	Proctor s Stoker	
Greenfield (Old) (Weaving)	January June Sept.	16 19 22	3	30 0 30	17 19 17	45 30 30	39 37 40	45 30 0		1	Proctor's Stoker	
Hampden (Weaving)	January July	16 13	3	15 45	$\frac{25}{20}$	30 45	31 35	15 30		1	Proctor's Stoker	
Highfield Weaving	gMarch April	24 21	4 3	0	20 22	30 30	35 34	30 30		1	Hand Fired	
Hanover Street Weaving & Smith	.January May	16 18	2 2	30 45	18 20	45 15	38 37	45 0		2	1 Hand Fired 1 Bennis's Stoker	2 Firms use this chim ney.
Holme Weaving	.Feby. April October	17 21 13	2	45 30 15	19 20 18	0 15 30	39 27 39	15 15 15		1	Proctor's Stoker	
Hope Weaving	Feby. April October	17 21 30		0 45 30	21 18 32	15 30 15	35 38 17	45 45 15		2	Hand Fired	
India Mıll (Spinning)	Feby. June August October		4 3	15 0 0 0	16 20 17 27	30 30 45 30	41 33 39 21	15 30 15 30		4	Hand Fired	
Perseverance (Weaving)	.July	6	3	15	18	30	38	15		1	Hand Fired	
Marsh House	.May	19	2	0	19	15	38	45		1	Hand Fired	
No 1 Mill Spinning	.July	6	4	45	20	15	35	0		2	Whittaker's Stoker	
New Mill	April August Dec	21 25 14	3	$\begin{array}{c} 0 \\ 0 \\ 15 \end{array}$	19 21 27	45 15 0	36 35 29	15 45 45		2	1 Hand Fired 1 Bennis's Stoker	

MILL	Date o	of .	Bla	ek.	M	lod.		Not oking.	Notice	Boilers	
			Min	Sec	Min. Sec		Min. Sec.		Served.	Bo	Apparatus. Remarks.
New Bridge	June :	24 23 21	2	15 15 30	19 17 18	30 15 30	37 30 38	15 45 0		1	Whittaker's Stoker
Premier	July Sept.		3 4 6	30 30 30 0	21 17 20 8	45 45 15 0	33 38 35 16	45 45 15 0	November	1	Leach's Stoker 30 minut
Primrose	Jany. I	14 14 18 15	2 2	30 0 15 30	21 16 17 14	15 45 45 45	34 41 40 43	15 0 45		1	observa- tion. Proctor's Stoker
Progress	June :	20	2	0	16	45	41	15		1	Whittaker's Stoker
Rose		18		0 15	19 30	30 30	37 23	30 15	November	1	Proctor's Stoker
Springfield (Spring Vale)	April :	16 21 21	1	45 45 30	16 17 16	30 15 45	40 41 40	45 0 45		1	Hand Fired
Spri n g Vale Paper (Tall Chimney)	rOct.	29:	14	30	13	0	2	30			New Boilers are being put in a this mill
Sudell Side (Weaving)		19	2 2	45 45	18 16	30 30	38 49	45 45		1	Hand Fired
South End	March 2	20 24 23	4	0 15 45	18 20 18	15 15 30	37 35 37	45 30 45		1	Proctor's Stoker
Starkie Street	April :	21		45 0	20 22	15 45	36 34	0 15		1	Hand Fired
South Street	July Aug.	17 7 25 14	3 3	45 45 15 0	18 19 19 21	30 15 30 45	37 37 37 35	45 0 15 15		2	Hand Fired
Tackfield		16 24		30	20 22	30 15	35 33	0 45		1	Hand Fired
Two Gates	Febry. July	7		0 30	19 19	15 30	38 38	45 0		1	Proctor's Stoker
Vale Brook	March 2 June 2	16 24 23 25	2 2	15 30 15 15	18 18 20 10	45 15 15 45	38 39 37 41	$\begin{array}{c} 0 \\ 15 \\ 30 \\ 0 \end{array}$		1	Proctor's Stoker
Whitehall	April 2	21	2	15	18	30	39	15		1	Bennis's Stoker
Waterfield	June 2 August 2 October 2		3	15 30 45	22 20 17	15 30 0	33 36 36	30 0 15	November	1	Grimshaw's Stoker

HACKNEY CARRIAGE DEPT.

As Hackney Carriage Inspector for the Borough, I have issued the following Licenses during 1914.

Tramway Carriage Licenses	8
Hackney Carriage (Hansoms)	2
Motor Car (to ply for Hire)	1
Tramcar Drivers Licenses	64
Tramcar Conductors Licenses	55
Hackney Carriage Drivers	2
Tramcar Drivers' Badges issued	19
Tramcar Conductors' Badges issued	25

INSPECTION OF FOOD.

The whole of the premises where food is prepared for consumption are frequently visited, and every precaution taken to see that only food in a good and wholesome condition is exposed for sale.

The fish and fruit stalls on the Market Ground are continually under observation, as well as the Fish Hawkers and Butchers Vans.

Periodical visits are made to the Railway Station to inspect meat imported from various places.

It has not been necessary to condemn any unsound food during the year.

ELEMENTARY SCHOOLS.

The whole of the Schools were periodically inspected and reports on the sanitary condition were submitted to the Health Committee as occasion required.

CARAVANS.

The Caravans which settle on the Market ground are always kept under close supervision and are always found to be kept in a clean condition.

There is no proper sanitary accommodation for these people at the Easter and Darwen Fairs, and I have complaints that much refuse, etc., is thrown into the mill lodge adjoining the Market ground.

Supplementary reports on all matters requiring attention are submitted monthly to the Health Committee, as well as recommendations for the service of legal notices for nuisances under the Public Health Act, 1875.

LIST OF POLICE COURT PROCEEDINGS DURING 1914.

Date.	Name.	Offence.	Result.
1914 Feb. 13	No. 1 Spinning Co.	Black Smoke	5/- & Costs.
Dec. 3	Thomas Harwood	Premises without proper downspout and easing trough.	Order to Abate
,,	Starkie Street Mill	Emission of Steam	Dismissed
,,	Darwen Paper Mill	,, ,,	,,
,,	Hope Mill	Black Smoke	10/- & Costs
,,	India Mill	,,	Dismissed
,,	Spring Vale Paper Co.	,,	5/- & Costs.

SANITARY OFFICES.

February, 1915.

Northern District.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE.

GENTLEMEN,

I beg to submit a Report to you of the work carried out in the District during the year ending December 31st, 1914, as required by order of the Local Government Board, Sub-clause (16). The District is comprised of North-East, North-West, and West-Central Wards.

During the year 23 new houses have been certified by the Surveyor's Department, 11 of these being situated in North-East Ward, and 12 in North-West Ward.

Six houses were closed in North-West Ward, and 2 West Central Ward.

The Table gives the total number of houses to January 1915,

West-Central Ward	947
North-East Ward	2307
North-West Ward	1935
Total	5189

The Population in the Northern District of the Borough, according to the 1911 Census returns, was 20,183, being distributed as follows:—

	Persons.	Families or Separate occupiers, 1911	Estimated Population Jan., 1915
West-Central Ward	3947	912	3975
North-East Ward	9181	2165	9223
North-West Ward	7055	1758	7728
Total	20183	4835	20926

The average number of persons per house according to the returns at Census, 1911, was about 4.17 persons.

INFECTIOUS DISEASES NOTIFIED.

Ward	F	arlet ever 3 1914		hoid ver 1914		ph- eria 1914		rsi- las 1914		peral ver 1914	Sump 1913	on- otion 1914	Opths Ne nato 1913	0-	To 1913	tal 1914
West-Central	0	27	0	0	1	1	1	2	0	0	14	6	0	0	16	36
North-East .	8	51	1	2	3	3	3	4	0	0	23	22	0	1	38	83
North-West .	9	46	0	2	1	1	7	5	0	0	12	22	0	2	29	78
Total	17	124	1	4	5	5	11	11	0	0	49	50	0	3	83	197

Immediately upon receipt of notification of Infectious Diseases I visited the houses and ascertained if the patients were properly isolated. I also made a thorough examination of the premises, any defects discovered in the drainage or sanitary arrangements I caused to be remedied as quickly as possible.

SCARLET FEVER.

During the year under review, 124 cases were reported, as against 17 in the previous year, and 5 in 1912. Owing to lack of bedroom accommodation and other reasons, 53 of the patients, or 43 per cent. of the cases reported were removed as quickly as possible to the Fever Hospital at Bull Hill. 28 were taken from North-East Ward, 12 from North-West Ward and 13 West-Central Ward. This procedure has the effect of reducing the number of centres of inspection, and certainly helped to prevent the spreading of the disease.

Several of the patients suffering from Scarlet Fever were discovered in school by the Medical Officer, others had been in contact with other patients during the incubation period, whilst a few patients seemed to have been infected in other towns.

In many homes the first patient to sicken was treated by the parents as simply suffering from a cold, with the result that other children were infected before a doctor was called in and the nature of the illness ascertained, as a result

Immediately upon notification all that could possibly de done in the way of improved isolation, etc. was effected, and the houses were kept under supervision until they were declared free from infection.

TYPHOID FEVER.

There were 4 cases reported. In two instances there was no doubt as to the source of infection, the patients having eaten mussels within a short time of being

taken ill, whilst the third person had eaten water cress. The fourth patient came to Darwen from Blackpool and it was ascertained that her mother had been taken to the Kirkham Sanitorium suffering from the disease. A trained Nurse was given charge of the latter case.

A Sanitary Pail with a tight fitting lid is sent to each house immediately upon Notification. The Nurse is instructed to place all discharges in the pail, which is removed each night and a clean one left in its place; the contents of each pail are cremated on the destructor fires.

DIPHTHERIA.

Five cases were reported during the year.

ERYSIPELAS.

Eleven cases were reported during the year.

OPTHALMIA NEONATORUM.

Three cases were reported during the year.

At the termination of each case of infectious disease, the rooms were thoroughly cleansed and disinfected, and the bedding, &c. conveyed to Bull Hill Hospital and disinfected in the super-heated Steam Disinfector.

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.

There were fifty cases reported in my district.

Acting under instructions received from the Medical Officer of Health, I have visited each house in which a case of Consumption has occurred. Information in detail was obtained respecting each patient, and all possible precautions were taken to prevent the spreading of the disease, and in many instances printed instructions were also given. Where a patient was sent to a Sanatorium, removed, or died, the house and bedding was disinfected.

During the year 98 loads of Bedding, &c. were disinfected, as compared with 54 loads in 1913 and 38 loads in 1912. The following list gives the number and kind of articles treated:—

	Beds	Mattresses	Bolsters	Pillows	Quilts	Blankets	Sheets	Suits of Clothes	Carpets	Rugs	Curtains	Cushions	Shawls	Sundries	TOTAL
1909	87	38	67	106	72	95	37	3	8	4	10	11	13	315	866
1910	130	40	99	137	164	198	67	3	13	13	4	9	17	334	1228
1911	63	25	45	65	42	60	20	2	4	3	2	6	7	208	552
1912	31	21	22	39	25	22	9	3	1	11	2	7.	9	57	259
1913	58	19	43	64	42	55	24	2	7	7	0	9	1	80	411
1914	110	25	91	108	124	166	46	3	2	5	0	12	14	129	835

In accordance with your instructions and the general order of the Local Government Board I have endeavoured, by systematic inspection, to keep myself informed in respect of any Nuisance existing in the District, as the following summary will show:—

SUMMARY OF NUISANCES DEALT WITH IN THE DISTRICT.

New Drains Constructed	18
Defective Drains Repaired and Relaid	20
Waste Pipes Trapped and Disconnected from Drains	2
Defective Soil Pipes Repaired	2
Defective Water Closets Repaired	12
Defective Roofage, Downspouts and Easing Troughs Repaired	51
Insanitary Yards Flagged and Repaved	9
Dirty Houses and Premises Limewashed	31
Houses Insufficiently Ventilated and Overcrowded	4
Filthy Closets Limewashed and Cleansed	5
Insufficient or Insanitary Closet Accommodation	1178
Accumulations of Refuse Removed	9
Nuisances arising from the Keeping of Animals	1
Choked Waste Water Closets Cleansed and Repaired	13
Insanitary Ashpits Abolished and Tubs or Bins provided	1
Insanitary Manure Pits	33
Ashtubs provided with Covers	4
Street Pavement in Defective Condition	6
Broken Slop Pails Repaired	11
Dangerous Buildings Repaired or Rebuilt	8
Broken Ashtubs Repaired	4
Loads of Bedding Disinfected	98
Rooms Disinfected	110
Defective Floors in Houses	2
Broken Closet Receptacle Doors Replaced	4
Defective Water Pipes	8
Factory Chimneys Emitting Black Smoke beyond the Time Limit	5
Choked Sewer	6
Nuisances of a Miscellaneous Character	2
SUMMARY OF WORK DONE IN THE DISTRICT.	
Total Number of Nuisances Discovered in District	1372
Letters Written Respecting Nuisances and Pail Closets	1288
Preliminary Notices Served Respecting Nuisances	199
Legal Notices Served Respecting Nuisances	1275

Number of Re-Inspections	2782
Number of Nuisances Abated (including outstanding Nuisances Discovered	
in 1912	1275
Number of Houses and Premises Inspected	2075
Number of Inspections of Refuse Tips	77
Number of Inspections of Schools and Public Buildings	150
Complaints Received and Investigated	95
Number of Drains, Water Closets, &c., tested	40
Number of Smoke Observations taken	84
Number of Inspections of Factories and Workshops	126
,, ,, ,, Lodging Houses	47
,, ,, ,, Bakehouses	80

COMPLAINTS.

During the year under review 95 Complaints (written and verbal) were received from residents in the district; these were enquired into as speedily as possible and remedied.

The great number of conversions of Pail Closets to the Water Carriage System led to the discovery of the cause of many of the complaints respecting bad smells, &c. The defects being found in the drains, and in some cases the sewers were found to be faulty. Waste Water Closets were often found to be choked, causing the drains to be full to overflowing with sewage. Under such conditions the sewage often finds its way into foundation walls and sometimes under the houses. Many water service pipes and gas pipes were found to be leaky. Some of the complaints received did not come within the scope of Sanitary Law, and did not, therefore, admit of my interference.

Al the defects were remedied as speedily as possible.

DIRTY AND OVERCROWDED HOUSES.

I again kept a sharp look-out for nuisances of this kind, and discovered 31 houses in a dirty condition, requiring whitewashing and cleansing. Legal notices were served under Sect. 46 P.H.A., 1875, and the work was ultimately done to my satisfaction.

A few houses were found in an exceedingly filthy condition, the bedding was also dirty and did not appear to have been washed for some considerable time. I cautioned the occupiers and ultimately reported each case to the Committee and legal notices were served with the proviso that legal proceedings were to be instituted in the event of non compliance with the requirements of the notices in the time stated

therein. I am glad to report that the service of the Notices had the desired effect, the houses and bedding being cleansed almost immediately.

It is necessary to pay visits very frequently to houses of this kind to prevent a recurrence.

The Medical Officer has accompanied me when requested to inspect dirty and overcrowded houses.

HOUSING AND TOWN PLANNING ACT, 1909, HOUSING (INSPECTION OF DISTRICT) REGULATIONS, 1910.

In accordance with the above Regulations I have inspected the houses in my district to ascertain whether any dwelling-houses were in such a state as to be dangerous or injurious to health, thus rendering them unfit for habitation.

The properties registered previously as being very near the border line, have been inspected at least monthly, in accordance with the wishes of the Committee, and any nuisance discovered have been immediately attended to by the owners or occupiers.

HOUSES VOLUNTARILY CLOSED.

The houses Nos. 3 and 4 Smalley's Court have been taken down voluntarily by the owner during the year, and the site forms part of the ground now covered by a new picture palace. These were old but spacious houses, the rooms were rather dark on account of the position of the houses and the close proximity of much higher buildings. It was impossible for direct sunlight to enter the houses. The approaches were narrow passages leading from Bolton Road in front, and Foundry Street in the rear.

1, 2, 3 Plough Yard; 108, 112, 114 Duckworth Street (back to back houses). These houses have been closed voluntarily by the owner during the year, and after much altering converted into lock-up shop property.

This property was very old.

Nos. 1 and 2 Plough Yard were very dark on account of the obstruction to light, &c. by the high mill wall which stands some 13ft. 6in. away from the houses. The cellars were very dark and insanitary.

The drains have been repaired and the Pail Closets converted to the Water Carriage System at the following houses, which are on the Black List.—

73, 74, 75 Bury Street and 1, 2 and 3 Back Bury Street.

1, 2, 3, 4 John Street; 1, 2, 3, 4, Ellison Court; 6, 5, 7, Back Wood Street; 93, 94, 95 Wood Street, 1 Hutchinson Court; 513, 515, 517, 519 Blackburn Road.

DAIRIES, COWSHEDS AND MILKSHOPS.

There are now 36 farms with 67 shippons in the Northern District. The whole of the farm buildings at Anchor Inn, Blackburn Road were taken down during December and a new Public House is being erected on the site. Holly Bank is no longer used as a farm, and no dairy cows are kept at Greenlands or Lower Trees Farms. There are about 500 cows stalled in the whole of the shippons in addition to young stock and oxen. Many visits were paid during the year, and the Dairies, Cowsheds and Milkshops Regulations strictly enforced. Improvements were carried out, viz.:

Lighting and Ventilation of Shippons Improved	3
Shippon Pavement Re-laid and Repaired	2
Drains Re-Constructed	2
Farm Yard Pavement Re-laid	1
Defective Drains Repaired	2
Dirty Shippons and Dairies Limewashed	8
Repairs to Roofage of Shippons	2
Easing Troughs and Downspouts Repaired and Fixed	3

I have continued to watch carefully the water supplies at the various farms.

The cowsheds are, without exception, attached to or in close proximity with farm premises. The cattle are turned out to grass early in the Spring, and are only brought up for milking morning and evening, until late in the Autumn when they are housed until the following spring. A few of the farmers still use fluffy shoddy waste for bedding purposes, this is sprinkled on the floor of the stall near the heel-stone and manure channel, it is very dusty and adheres to the animal when she lies down. Much of this dust must find its way into the milk; the practice should be stopped in the interests of public health.

The shippons are often visited whilst the cows are being milked in order to ascertain if the necessary cleanly precautions are being taken, there is a marked improvement in this respect, but we have not yet reached the standard of cleanliness one would like to see; however, most of the farmers appreciate the quiet instructive talks given when visiting, and seem very willing to put into practice the suggestions made.

When making my inspections I have delivered at each farm copies of the Regulations under the Dairies, Cowsheds and Milkshops Orders.

BLACK SMOKE NUISANCE.

The nuisance arising from the emission of Black Smoke from Factory Chimneys has again received my attention. Eighty-four observations were taken, each of one hour's duration. This is a considerable reduction when compared with the number reported in 1913, accounted for by the closing of the mills for varying periods during the latter half of the year owing to the depression in trade, caused by the war. Whilst the mills were closed several owners had new apparatus fixed and repairs carried out, viz.:—

BELGRAVE MILLS.

Two old boilers were taken out and one large new one fixed. New Economisers were also installed.

CARR'S MILL.

Two new boilers with Bennis's Stoking Apparatus were fixed in lieu of the two old ones.

WOODSIDE MILL.

Two new boilers were fixed in the place of two old ones. The Mechanical Stokers were not refixed.

OLIVE MILL.—The Boilers were repaired.

COTTON HALL SPINNING MILL.—New Economisers were fixed.

COTTON HALL WEAVING MILL.—Boiler repaired.

HEY FOLD.-New Fire Bars were fixed.

HINDLE STREET MILL.—Proctor's Stoker fixed.

whilst minor repairs to the boilers, &c. were carried out at several other mills.

The following is the time limit:—

One, Two, or Three Boilers, 5 Minutes per hour. Four, or more Boilers, 7 Minutes per hour.

From the following particulars you will observe that Black Smoke was emitted in excess of the time limit from the Chimneys of 5 factories, as against 8 last year, and 6 in the previous year. Statutory Notices were served, calling for the abatement of the nuisance.

The Analysis of the Observations shows an average Emission of Black Smoke of 2.08 minutes per hour; average for 1912, 1.91 minutes per hour. The average for 1911 was 2.22, 1910 was 2.12, 1909, 2.43 minutes, for 1908, 2.18, and for 1907, 2.15

Proceedings were taken in February against the owners of Eccleshill Pipe Works for allowing the chimney to emit black smoke in excess of the time limit in December, 1913. The magistrates made an Order to Abate the nuisance.

Particulars of Observations taken during the Year.

```
M'der'te
Smoke
Slight
Smoke
                                                                              Legal 5 5
                                                             Date
       MILL
                                                                            Notices of Served Z g
                                                        Reported to
                                                                                                    Stokers
                                                                                                                          Remarks
                                                        Committee.
                          1\frac{1}{4}... 5\frac{3}{4}... 2 ...51 ...Feb.
                                                                        ... - ... 2...
                                                                                                                 ... Hand Fired
Anaglypta ...
                          3¼... 4¼...10 ...42½...April
                                                                                     ... 1...Bennis's
Anchor
                          1\frac{1}{2}... 3\frac{1}{2}... 4\frac{1}{2}... 50\frac{1}{2}... July
                                                                                     ... 1...
                  ...
                                                                        ...
                            \frac{1}{2}...11\frac{1}{2}...36 ...12 ...Feb.
                                                                                                                 ... Very low Chim-
Barley Bank .
                                                                                      ... 1...Proctor's
                          4\frac{3}{4}...47\frac{1}{4}...4 ...4 ...April \frac{1}{4}...2\frac{3}{4}...9 ...48 ...May 6\frac{1}{4}...39\frac{3}{4}...7 ... 7 ...Aug. 2 ...18 ...24 ...16 ...Dec.
                                                                                                                      ney
                  ...
                                                                        ...
                                                                                     ...
                                                                                           ...
                  ...
                                                                        ...
                                                                                      ...
      "
                                                                        ... Sept ...
                  ...
      ,,
                                                                        ...
                  ...
                                                                                      ...
Bank Top
                          3\(\frac{1}{4}\)... 9\(\frac{1}{4}\)... 7\(\frac{1}{2}\)... 40 ... Jan.
                                                                                     ... 1...Proctor's
                 ...
                          1\frac{1}{2}...21\frac{1}{2}...16 ...21 ...July 1\frac{1}{2}...20\frac{1}{2}...19 ...19 ...Nov.
                                                                                     ... ...
                  ...
                                                                        ...
                                                                                                                 ...Stokers fixed to
                          7 ...15 ...21½...16½...Sept.
Belgrave
                                                                                     ... Bennis's
                  ...
                          2 ...17½...23½...17 ...Nov.
                                                                                                                       1 boiler only
                                                                        ...
      ,,
Belgrave
                            ½...13½...28 ...18 ...Jan.
                                                                                     ... 3...Proctor's
                                                                                                                ...Sprinkler Stokers
                          3\frac{5}{4}...15\frac{5}{4}...14 ...27 ...June 7\frac{1}{4}...18\frac{5}{4}...21 ...13 ...July
   South
                                                                        ...
                                                                                                                       only.
                                                                              Aug.
                  ...
                                                                        ...
                          1\frac{1}{2}...13\frac{1}{2}...14...31 ...Feb. 4\frac{1}{4}...28\frac{3}{4}...15\frac{1}{2}...11\frac{1}{2}...March
                                                                                     ... 2...
                                                                                                                ... Hand Fired.
Bottom
                                                                        ...
      Croft
                                                                        ...
                                                                                      ...
                  ...
                          3 ... 20 ½ ... 23 ½ ... 13 ... June
                  ...
                                                                        ...
                                                                                      ...
                          3 ...15½...17 ...24½...Augu.
                                                                        ***
                                                                                      ...
      ,,
                  ...
                          23...173...151...24 ...Oct.
                                                                        ...
                  ...
      ,,
                                                                                                               ...Movable Bars
Brook Side ...
                            1...121...21 ...26 ...Jan.
                                                                                     ... 1...Bennis's
                                                                        ...
                          14... 84...25 ...25 ...March
                                                                        ...
      ,,
                          0 ... 4 ... 40 ... 16 ... Aug. 0 ... 11 ... 29½... 19½... Nov.
                  ...
                                                                        ...
                                                                                     ...
                  ...
                          6\frac{1}{4}...24\frac{1}{4}...19\frac{1}{2}...10 ...June
                                                                        ... July ... 2...Bennis's
                                                                                                               ... Moveable Bars.
Carrs
                  ...
                          0 ...14 ...32 ...14 ...Aug.
                                                                        ...
                  ...
Cobden
                          3\frac{1}{4}...24\frac{1}{4}...27\frac{1}{2}... 5 ... Feb.
                                                                                     ... 1...Proctor's
                                                                                                               ... Moveable Bars.
                  ...
                                                                        ...
                          0 ... 2 ... 20 ... 38 ... April
                          Cotton Hall ...
                                                                                      ... 2...Bennis's
                                                                        ***
  (Spinning)...
                                                                                      ...
                          3 \dots 39\frac{1}{2} \dots 15\frac{1}{2} \dots 2 \dots \text{Aug.}
                                                                        ...
                                                                                     ...
Cotton Hall ...
                                                                        ... - ... 1...Proctor's
                           1 ... 3 ...45 ...11 ...April
   (Weaving)
                          5 \dots 14\frac{1}{2} \dots 15\frac{1}{2} \dots 25 \dots Jan.
Dove
                                                                                      ... 1...
                                                                                                                 ... Hand Fired.
                  ...
                                                                        ...
                            3... 61... 9 ...44 ...Oct.
                  ...
      "
                          31...201...29 ... 7 ...Jan.
                                                                                      ... 2...Proctor's
George St.
                                                                        ...
                  ...
                          21...211...221...13 ...March
                  ...
      "
                          1 ... 16 1 ... 24 1 ... 18 ... Aug.
                  ...
                                                                        ...
                                                                                      ...
      ,,
                          21...181...181...21 ...Nov.
                                                                        ...
                  ...
      ,,
Electricity
                          0 ... 4 ...29 ...27 ...Jan.
                                                                                      ... 2...Proctor's
                            1...113...30 ...18 ...Nov.
   Works
                                                                                      ... 3....
                  ...
                                                                        ...
                          1\frac{1}{2}... 7\frac{1}{2}... 13\frac{1}{2}... 37\frac{1}{2}... Jan.
Hill Side
                                                                                     ... 1... Whittaker's... Sprinkler only
                  ...
                                                                        ...
                          1\frac{1}{2}...13...22\frac{1}{4}...23... March 3\frac{1}{4}...5\frac{1}{4}...10\frac{1}{2}...41... July
      ,,
                  ...
                                                                        ...
                                                                                      ...
                                                                                      ... 1...Whittaker's.Sprinkler only.
Hindle St.
                          1\frac{1}{2}...39\frac{1}{2}...14 ... 0 ...Feb.
                          2\frac{5}{4}...15\frac{7}{4}...34 ... 8 ...April 2\frac{1}{2}...41\frac{1}{2}... 8 ... 8 ...May
                  ...
                                                                        ...
                                                                                      ...
                                                                        ...
                  ...
                                                                                      ...
                           13...381...18 ... 2 ...Dec.
                                                                        ... -
```

Particulars of Observations taken during the Year.—Continued.

```
Legal 5
                                          None
                                                    Date
                                                                Notices Served Z g
       MILL
                                                Reported to
                                                                                     Stokers
                                                                                                      Remarks
                                                Committee
                      21... 93...12 ...36 ...April
                                                             ... - ... 5...Eriths
                                                                                               ... Grateless Stokers
Hollins (Tall...
   Chimney)
                                                                                               ... Hand Fired
                      13...101...28 ...20 ...March
                                                                        ... 2...
Hey Fold
                      2 \dots 4\frac{1}{2} \dots 15\frac{1}{2} \dots 38 \dots \text{April}
                                                             ...
                                                                        ...
               ...
     17
                      1\frac{1}{2}... 5\frac{1}{2}... 15 ... 38 ... June 2\frac{1}{4}... 11\frac{1}{4}... 30 ... 16\frac{1}{2}... Oct.
                                                             ...
               ...
                                                                        ...
               ...
      25
                      2 ...14½...22½...21 ...Dec.
                                                             ...
                                                                        ...
                                                                        ... 2...Bennis's
Hollins Grove
                      2 ... 6 ...37 ...15 ...April
                                                             ...
                       \frac{1}{4}... 8\frac{3}{4}... 24\frac{1}{2}... 26\frac{1}{2}... Feb.
                                                            ...
                      31...113...31 ...14 ...June
                                                             ...
                                                                        ...
                      2 ...10 ...18½...29½...March
                                                                                               ... Hand Fired
Lorne St.
                                                                        ... 1...
                                                             ...
                      ...
                                                                        ...
               ...
                      4 ...10 ...15 ...31 ...Dec.
              ...
                                                             ...
                                                             ... - ... 1...Proctor's
Low'r Wood...
                      2 ... 6 ...20 ...32 ...May
                      Moss Fold ...
                                                            ... May ... 2...Proctor's ...Sprinkler only.
                                                                        ... 3....
Orchard
                      4 \dots 7\frac{1}{2} \dots 17\frac{1}{2} \dots 31 \dots \text{Feb.}
                                                                       ... 3...Proctor's
                                                             ...
                      ...
               ...
                                                            ...
                                                                       ...
                                                             ...
                                                                        ...
               ...
Provident ...
                       1...123...31 ...16 ...Jan.
                                                                        ... 1...Bennis's
                                                                                               ... Movable
                      1 \dots 13 \dots 23 \dots 23 \dots March
\frac{1}{2} \dots 15 \frac{1}{2} \dots 28 \dots 16 \dots Aug.
                                                                                                  Self-feeding Sokes
                                                                       ... 1...Leach's
                                                                                               ... Sprinkler only.
                      1 ...12 ...25 ...22 ...Feb.
Peel
                      0 ... 4 ...25 ...31 ...April
                      4 ... 7 ...17 ...32 ...Aug.
1 ... 7 ... 7 ...45 ...Oct.
                                                                                               ... Hand Fired.
Prospect
                                                                        ... 1...
Queen St. ...
                                                            ... - ... I...Leach's
                                                                                              ... Sprinkler's only
                   13...161...14 ...28 ...May
                                                            ... - ... 1...Proctor's
Springfield ...
                   ½... 4 ... 8½...47 ...June
                                                            ... - ... 1...Hodgkinsons.
Sunnyhurst ...
                    21...143...31 ...12 ...July
                                                                 - ... 1...Bennis's
Vale Street ...
                       1...383...19 ... 2 ...March
                     1 ... 16 ... 31 ... 12 ... May

1 ... 71 ... 221 ... 30 ... Nov.
                                                                       ... 1...
              ...
               ...
Woodiold
                       ½... 4½...33 ...22 ...June
                                                                - ... 1...Proctor's
                      0 \dots 3 \dots 43 \dots 14 \dots \text{Oct.}
\frac{1}{2} \dots 6\frac{1}{2} \dots 14 \dots 39 \dots \text{Dec.}
                                                                 - ...
                                                            ...
               ...
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SCHOOLS.

During the year I paid many visits to the 13 schools situated in my district, particularly during each of the vacations, viz.: Easter, Midsummer, and Christmas, to ascertain if the cleansing was being done in accordance with your requirements, as issued prior to each vacation to the various school correspondents, by Mr. Bretherick, Secretary of Education.

The Schools, with one exception, were thoroughly cleansed, the walls swept down, all wood work and desks washed, and the floors scrubbed with hot water and soap.

There has been a general improvement in the Schools, but portions of the playgrounds at Lower Chapels, Earcroft, St. Cuthbert's, and Blackburn Road Schools still require asphalting or flagging; this would cause the schoolrooms to be very much cleaner than they are at the present time and prove helpful to the Caretakers.

The street in front of St. James' School has now been paved, the approaches are now in a sanitary condition.

During the year the following work was done, viz. :-

- Walls, ceilings, etc., distempered and woodwork painted where necessary, at Central Council, St. James', Earcroft, St. George's, St. Cuthbert's and St. Edward's.
- St. Edwards.—Ventilation improved by the fixing of new hopper ventilators in lower part of windows.

The closets at all Schools (with one exception) have been limewashed regularly.

The school windows are not cleaned often enough, and often look very dirty and dusty, when in that condition a great amount of light must be impeded.

TRIPERIES.

These workshops are situated in West-Central Ward, in the centre of the town. Scrupulous cleanliness and very great care is necessary to avoid effluria nuisances, which occur only when the attendants are careless. The waste material is removed daily, and cremated in the destructor. I visit these workshops regularily.

FACTORIES, WORKSHOPS, AND BAKEHOUSES.

Systematic inspection of these places of employment has been carried out and the usual register kept. 126 visits have been paid to them. As previously stated in the Medical Officer's Report, this constant supervision has resulted in a general improvement.

The Bakehouses have received attention, 80 visits having been paid to them.

All reasonable precautions are taken in order that wholesome articles of food may be produced. There are three certified Underground Bakehouses in the Northern District. The Limewashing, &c. was carried out in accordance with the provisions of the Factory and Workshop Act.

The following is a list of Workshops on the Register :-

Dressmakers & Milliners	28	Marine Stores	3
Stocking Knitters	1	Plumbers	8
Cycle Repairers	3	Loom Slay Makers	1
Tin Plate Workers	4	Cooper	1
Saddlers	3	Joiners	4
Tailors	6	Tripe Dressers	3
Furniture Polish Manufac-		Blacksmiths	3
turers	1	Picture Framers	2
Upholsterers & Cabinet Ma-		Weighing Machine Repairer	1
kers	4	Waste Sorting	3
Wheelwrights	4	Herb Beer Manufacturers	
Boot, Shoe & Clog Makers .	30	and Bottlers	2
Confectioners & Bakers	40	Watch Makers & Jewellers	5
Electrical Engineer	1	Brush Maker	1
Gutscraper	1	Others	11
kers	4 30 40	Waste Sorting	3 2 5 1

FACTORIES AND WORKSHOPS.

I.—INSPECTION.

	Number of			
Premises.	Inspec- tions	Written Notices.		
Factories	86	4		
Workshops	100	25		
Workplaces	20	0		
Total	206	29		

NUISANCES UNDER PUBLIC HEALTH ACTS,

II.—DEFECTS FOUND.

	Number	of Defects.
	Found.	Remedied.
Want of Cleanliness	10	10
Want of Ventilation	1	1
Overcrowding	0	0
Want of Drainage of Floors	0	0
Other Nuisances	3	3
Sanitary Accommodation, unsuitable or defective (not separate for sexes)	15	15
Total	29	29

III.—OTHER MATTERS.

Matters Notified to H.M. Inspector of Factories	1
Action taken in matters referred by H.M. Inspector, as remediable under Public Health Acts (Notified by H.M. Inspector)	6
Not under Factory and Workshop Acts (Reports of Action sent to H.M. Inspector	0
Others	0
Certified Underground Bakehouses in use at end of year	3

IV.—REGISTERED WORKSHOPS.

Workshops on Register. N	umber
Workshops	117
Bakehouses	
Other Workshops	14
Total	174

FOOD INSPECTION.

I have kept a sharp look out during the year over the various articles of food offered for sale for human consumption in the district, and have inspected the hawkers carts. I have had no cause for complaint.

MUNICIPAL MODEL LODGING HOUSE.

The House is still very popular. The increase in the number of lodgers was maintained until August last when the average number of occupants dropped owing to many of the reservists and other men lodgers joining the Army. The hammocks which were put up temporarily last year have now been dispensed with and fourteen additional cubicles erected, there being ample air space. I have kept the house under supervision and have always found it in a satisfactory condition. The cubicles, walls, beds, etc. have been disinfected when necessary. I have also paid many visits about midnight and checked the books on each occasion, finding everything in order.

The following Table shows the average number of occupants for each month during the last ten years. —

1905	1906	1907	1908	1909	1910	1911	1912	1913	1914
Jan 62.8	75.1	80.5	77.2	76.0	70.2	75.2	72.1	111.3	121.0
Feb 65.2	77.2	81.2	87.9	74.9	76.2	84.1	77.1	125.2	126.6
March . 70.1	73.8	93.2	87.2	73.2	70.2	80.4	95.3	127.2	125.6
April 80.2	81.1	95.1	88.2	79.5	79.2	86.5	102.6	127.4	129.4
May 79.2	84.2	86.1	90.2	83.2	79.2	78.0	96.0	126.2	127.2
June 75.1	96.2	82.2	93.2	79.2	78.1	71.5	86.1	131.8	122.3

July 64.4	80.3	84.3	85.9	84.1	78.7	69.2	77.1	130.1	124.1
August 70.2	60.2	86.1	80.5	81.9	72.1	70.2	91.5	132.9	108.1
Sept 69.1	72.1	97.2	74.7	87.0	70.2	79.2	104.2	123.1	91.1
Oct 69.1	81.1	90.2	76.9	74.2	72.6	82.1	113.5	128.1	94.2
Nov 87.1	81.4	92.2	72.1	74.1	79.6	79.1	109.1	124.2	87.2
Dec 74.0	75.3	78.3	69.1	80.1	78.2	75.2	108.9	122.4	79.2
A	701	07.0	91.0	70.0	75.9	77 5	04.4	125.8	111.3
Average 72.2	78.1	87.2	81.9	78.9	75.3	77.5	94.4	125.8	111.3

There is no other common Lodging House in the district, a distinct advantage from a health point of view, as the lodgers are brought together under one roof, and, therefore, more directly under our supervision.

SANITARY IMPROVEMENTS.

The work of converting the obsolete insanitary pail closets to the Fresh Water Carriage System has been prosecuted with vigour during the year and at the time of writing there are only about 220 of these pails remaining in the Northern District. Many very defective drains were discovered and repaired, and it was also found necessary to relay several portions of the sewers owing to defects of various kinds; however, we have the satisfaction of knowing that the drainage was never in better condition than at the present time, although much remains to be done.

The conversion of the closets to the Water Carriage System has certainly effected a great saving in the cost of collection of excreta by the nightsoil men.

INSANITARY CARAVANS.

During February I received several complaints respecting a nuisance caused by a family of Gypsies (hawkers) living in two caravans on land situated between Earcroft School and the Co-operative Store. There were no sanitary conveniences and no water supply, and the whole of the refuse was thrown on the ground. I was obliged to report the matter to the Committee as I had been unable to persuade them to remove, however, after the service of a legal notice they left, and the refuse which had been deposited was removed.

MANURE PITS.

According to your instructions I made an inspection during June to the Horse Manure Midden Steads in use in the Northern District, and submitted a detailed report at the meeting of the Health Committee. I again sent copies of the bye-laws relating to Midden Steads, to the various horse keepers in the district, and asked them to let me know each time the middens were emptied, so that the workmen could spray the walls, etc. with Kerosine, and destroy the larvæ of flies.

There was ready response to the letters issued, the middens being emptied weekly; fewer complaints were received from occupiers of houses near the stables.

At each monthly meeting of the Health Committee, in addition to the printed Report I have submitted a detailed typewritten Report of the work carried out in my district.

During the year I have had to report various owners of property to the Committee for non-observance of legal notices which have been served upon them. Warning letters were sent in each by the Town Clerk.

I am pleased to say the letters were effectual in securing the abatement of the nuisances, and in no case was it necessary to institute legal proceedings.

Agreement Forms have been signed by Owners of Property in the Northern District for the Corporation workmen to convert Pail Closets to Water Carriage System, to carry out repairs, &c. to Back Yards, Drains, Waste Water Closets, &c. This work has been done under my supervision.

I am, Gentlemen, Yours obediently,

> C. R. WALSH, M.R., San. Inst., &c., Inspector of Nuisances.

SUPERINTENDENT'S OFFICE, CLEANSING DEPARTMENT.

To the Chairman and Members of the Health Committee.

GENTLEMEN,

I beg to submit to you my Annual Report for the year January 1st to December 31st, 1914.

The following is a Summary of Work done from January 1st to December 31st, 1914.

	Tons.	Cwts	. Qrs.
House Refuse to Destructor	. 12340	15	2
Market Garbage to Destructor	. 291	13	0
Slaughter Garbage to Destructor	. 46	1	0
	12678	9	2
Clinkers Removed from Destructor		3,813	Loads.
Excreta to Sewage Works		4,756	,,
Sweepings to Various Tips		2,893	,,
Sweepings Deposited by Handcards at Destructor		2,493	,,
Gully Wreck to Various Tips		1,342	,,
Water Deposited on Streets		2,970	,,
Length of Streets Swept by Machine		2,767	Miles.
Length of Streets Swept by Hand		481	,,
Street Gullies Emptied		29.953	
Back Yard Gullies Emptied		17,372	
Excreta Pails Emptied		237,800	
Ashes Tubs Emptied		346,290	
Ashpits Emptied		1,151	
Ashtubs Added during the year		117	
Pails Brought in from Closet Conversions		1,777	

Yours obediently,

JOSEPH NICCOL,

Cleansing Superintendent.

REPORT OF THE SLAUGHTER HOUSES, 1914.

To the Chairman and Members of the Slaughter House Committee.

GENTLEMEN,

Herewith I present to you for you consideration my Report for the year ending December, 1914, showing the number of Cattle, &c. Slaughtered.

PUBLIC ABATTOIRS.

1914	 Beasts . Sheep Calves Swine	207	Against "	1913	,	Beasts . Sheep Calves Swine	1488 8567 123 404
		11021					10582

Showing an increase of 439 for the year.

PRIVATE PREMISES.

1914	 Beasts . Sheep Calves	4507	Against ,,	1913	 Beasts . Sheep Calves	
	-	5406			No bearing	5603

Showing a decrease for the year of 197.

TRIPERIES.

The amount of prepared food in this department was less than in former years, owing to the scarcity during the summer. The quality, however, was good.

BUTCHERS' VANS.

There are only 4 vans hawking meat at the present time, and these are kept in good condition, being constantly watched.

TUBERCULOSIS.

During the year there has been examined for this disease 15 Beasts, viz.: I Bull, 8 Bullocks, and 6 Cows, most of which had been brought into the town to be slaughtered; 15 Swine were also found to be Tuberculous. 9 came from Mellor and the remainder from Darwen farms. Two Beasts and one Pig were condemned and destroyed.

MEAT UNFIT FOR FOOD.

There has been condemned during the year 4 Beasts, 1 Calf, 10 Sheep, 2 Swine, 2 Deer, and 2 tons, 15 cwts of Offaling.

Licenses were issued to farmers and others for the Slaughtering of 2 Beasts and 48 Swine, all were inspected and found fit for food, with the exception of 1 Beast, which was destroyed.

I am,

Yours obediently,

WILLIAM BICKERSTAFFE.

Meat and Shops Inspector.

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