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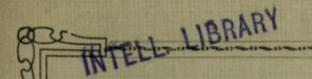
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BOROUGH OF DARWEN.



# REPORT

OF

# James Robertson,

M.B., C.M., D.P.H.,

Medical Officer of Health,

AND

Medical Officer to the Education Committee,

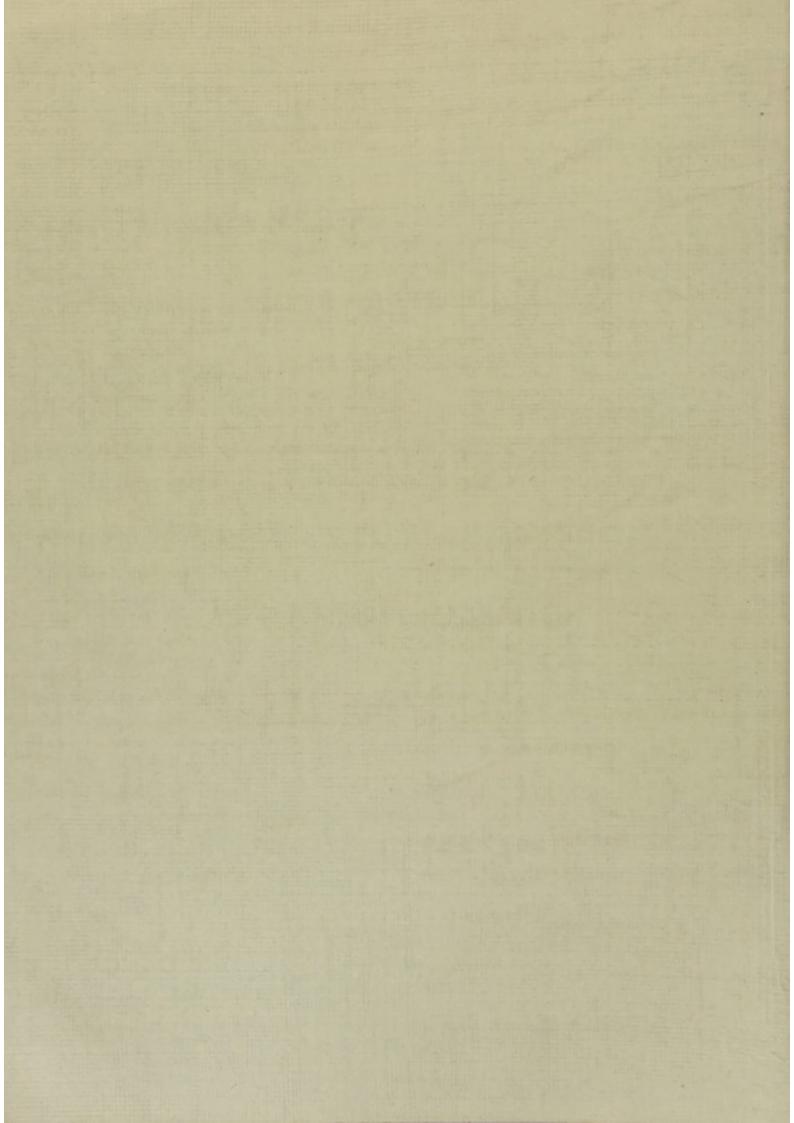
FOR THE

Year ending December 31st, 1925.

DARWEN:

PRINTED AT THE "NEWS" OFFICE.

MCMXXVI.





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HEALTH OFFICE,

DARWEN,

April, 1926.

### TO THE CHAIRMAN AND MEMBERS OF THE HEALTH COMMITTEE.

GENTLEMEN,

It affords me pleasure in presenting to you my THIRD ANNUAL REPORT, which is also the FORTY-EIGHTH REPORT since the incorporation of the Borough.

I take this opportunity of thanking all the Members of my Staff for their willing co-operation.

I am,

Your obedient Servant,

JAMES ROBERTSON,

Medica! Officer of Health.

# Members of the Health Committee

1925-1926.

\* COUNCILLOR W. KNOWLES, J.P., MAYOR.

### Chairman:

\* ALDERMAN W. WORTH, J.P.

### Vice-Chairman:

ALDERMAN J. COCKER, J.P.

" H. C. JEPSON.

\* ALDERMAN G. P. HOLDEN, J.P.

COUNCILLOR R. ECCLES.

,, T. W. A. FORREST, M.B.E.

IP. C.C.

J.P., C.C.  J. V. HARGREAVES.  *W. JEPSON.  W. KNOWLES, J.P.  E. LEACH.
", *R. MARSDEN. ", G. PICKUP, J.P. ", *W. A. SHEPHERD. ", D. SMITH. ", A. J. WATSON. "B-COMMITTEE.
——————————————————————————————————————
JAMES ROBERTSON, M.B., M.S. D.P.H.  —W. E. MARSDEN, M.S.I.A., C.R.S.I.  —C. R. WALSH, M.S.I.A., M.R.S.I.  Sanitary Inspector, February, 1923,  Health (Officers) Act, 1921.
J. W. Marsland, M.R.C.V.S. C. R. Walsh, Certif. Meat Insp
· · · · · · · · · · · · · · · · · · ·

CLERKS..... F. LITTLECOTT, A.R.S.I., AND E. MCGLYNN

# REPORT.



×

This Report is a Survey Report as required by the Ministry of Health.
AREA (Acres), 5,919.

POPULATION: Census (1921), 38,720. Estimated (1925), 38,850.

# Population in Wards.

Wards.	Census, 1921 (Estimated).	(	(Estimated)
CENTRAL	6,314		6,334
WEST CENTRAL	3,474		3,485
NORTH-EAST	9,013		9,044
NORTH-WEST	6,948		6,970
SOUTH-EAST	6,850		6,873
SOUTH-WEST	6,121		6,144
TOTAL	. 38,720		38,850

# PHYSICAL FEATURES AND CENERAL CHARACTER OF AREA.

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 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 River Darwen runs northward through the valley.

The soil on which the town is built consists of boulder clay overlying 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 district of any importance, viz., Hoddlesden, situate at a distance of two miles to the East, with a population of about 720.

The inhabitants are chiefly of the artisan and labouring classes. The chief occupations include Cotton Weaving, Paper Making, Fire Clay and Iron Workers.

Number of inhabited houses (1921), 10,082; (1925), 10,249.

Number of families or separate occupiers (1921), 10,145.

Rateable Value, £219,779 5s. 0d.

Sum represented by a penny rate, £834.

### EXTRACTS FROM VITAL STATISTICS FOR THE YEAR 1925.

		Total.	Males.	F	emales.		Rate.
BIRTHS-	Legitimate	531	 267		274	)	
	Illegitimate	15	 10		5		14.05
		546	 277		279	)	
		Total.	Males.	F	emales.		Death Rate.
DEATHS		549	 276		273		14.13

Standardizing factor 1.020. Corrected Death Rate—14.41 per 1,000.

Number of women dying in, or in consequence of Child-birth:—From sepsis, 0; from other causes, 6.

Deaths of Infants under one year of age per 1,000 births:—Total, 65 (Rate 119); Legitimate, 63 (Rate 115); Illegitimate, 2 (Rate 133).

Deaths from Measles (all ages), 16.

Deaths from Whooping Cough (all ages), 4.

Deaths from Diarrhœa (under 2 years of age), 4.

Specify any unusual or excessive mortality during the year which has received or required comment :--None.

### RATES PER 1,000 OF POPULATION.

	Birth-rate.		Death-rate.	T of	System.	Deaths   Under 1 Year to 1000 Birth   66   87   64     119	aths ider Year to Births
Mean of 10 years, 1915-24	15,36		14.65		0.66		87
1924	16.28		14.90		0.53		67
1925	. 14.05		14.13				
Increase or Decrease in	1925 on	:					
Ten Years' Average	-1.31		-0.52		-0.02		+32
Previous year	-2.23		-0.17		+0.11		+52

# BIRTH RATE, DEATH RATE, AND ANALYSIS OF MORTALITY DURING THE YEAR 1925.

Provisional figures. The rates for England and Wales have been calculated on a population estimated to the middle of 1925, while those for the towns have been calculated on populations estimated to the middle of 1924. The mortality rates refer to the whole population as regards England and Wales, but only to civilians as regards London and the groups of towns.

	Birth-										Rate per 1,000 Births.		
	Rate per 1000 Total Popula- tion.	All Causes.	Enteric Fever.	Small-pox.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria.	Influenza.	Violence.	Diarrhea & Enteritis (under Two Years)	T'tal Deaths under One Year.	
England and Wales	18.3	12.2	0.01	0.00	0.13	0.03	0.15	0.07	0.32	0.47	8.4	75	
105 County Boroughs and Great Towns, including London	18.8	12.2	0.01	0.00	0.17	0.03	0.18	0.09	0.30	0.43	10.8	79	
20,000-50,000	18.3	11.2	0.01	0.00	0.15	0.02	0.14	0.06	0.31	0.38	7.6	74	
London	18.0	11.7	0.01	0.00	0.08	0.02	0.19	0.11	0.23	0.46	10.6	67	
Darwen	14.0	14.1	0.00	0.00	0.41	0.00	0.10	0.05	0.33	0.54	7.3	119	

# Marriages.

The number of Marriages solemnized in Darwen during the year ending December 31st, 1925, was as follows:—

Church of Engl	and	137
Nonconformist	Places of Worship	137
		-
Total		274

This means that 548 people were united in the bonds of wedlock, and is at the rate of 14.10 per 1,000 of the population, as compared with 15.41 per 1,000 in the previous year.

1	Birtl	hs.	Deat	ths.	Marriages.		
Year.	Number	Rate.	Number	Rate.	Number.	Rate.	
	F00	13.91	545	14.68	510	13.7	
1916	562		490	14.29	390	21.3	
1917	427	11.18	692	21.08	472	12.8	
1918	353	9.58	Control of the contro	13.80	994	25.3	
1919	495	12.61	520	13.01	1068	27.2	
1920	845	21.56	510	11.57	736	19.0	
1921	753	19.44	448		726	18.7	
1922	674	17.37	561	14.45	648	16.6	
1923	602	15.44	528	13.54	602	15.4	
1924	636	16.28	582	14.90	TO 2002	14.1	
1925	546	14.05	549	14.13	548	14.1	
Average 10 Years	589	15.14	542	14.54	669	18.4	

#### 16

## Births.

The number of Children born during the year was: Males 277, Females 269, making a total of 546; being 90 less than in the previous twelve months, and at the rate of 2.23 per 1,000 lower than in 1924.

The Birth Rate for year was 14.05 per 1,000. The highest monthly Birth Rate was 17.91 in January and also October, and in July it was the lowest, the figure being 9.88 per 1,000.

TABLE showing the Estimated Populations, Number of Births, and the Birth-Rates for the Darwen Sanitary District for the last Ten Years.

Year.	Estimated Population at the Middle of Each Year.	Total Births.	Birth-Rate
1916	40,381	562	13.91
1917	38,210	447	11.18
1918	36,814	353	9.58
1919	39,252	495	12.61
1920	39,182	845	21.56
1921	38,720	753	19.44
1922	38,800	674	17.37
1923	38,980	602	15.44
1924	39,060	636	16.28
1925	38,850	546	14.05

### BIRTH-RATES IN THE VARIOUS WARDS.

Year.	C.	W.C.	N.E.	N.W.	S.E.	S.W.	Borough
1916	14.10	9.97	14.98	11,05	14.64	17.26	13.91
1917	11.82	10.54	13.74	8,75	10.27	11.11	11.18
1918	8.74	9.81	10.15	9.08	9.54	10.17	9.58
1919	12.30	12.36	14.74	9.39	14.17	12.27	12,61
1920	22.43	18.71	24.90	17.51	22.76	21.23	21.56
1921	22.33	18.13	21.74	14.82	20.14	18.29	19.44
1922	18.01	17.81	19.48	15.51	15.44	17.60	17.37
1923	17.14	16.29	16 32	12.15	15.97	15.09	15.44
1924	16.17	18.83	16.16	13.84	19.24	14.57	16.28
1925	14.84	12.33	17.91	10.90	14.40	11.71	14.05
Averages for 10 Years.	15.78	14.47	17.01	12,30	15.65	14,93	15.14

### ILLECITIMATE BIRTHS.

Fifteen Children were born out of wedlock during the year. This gives a rate of 2.74 per cent. of total births. Since 1916 the average annual number is 24.

The rate per cent. of Births averages 2.74, and 1922 is the highest with 5.48.

The Infantile Mortality Rate of Illegitimates for the year was 133, and the average for the last 10 years was 133.

TABLE showing number of Illegitimate Births, Etc., during the past Ten years.

Year.	Number of Births.	Rate % of Total Births.	No. of Deaths under 1 Year.	Death-rate per 1,000 Births.
1916	27	4.80	0	0
1917	17	3.96	2	118
1918	16	4.53	3	188
1919	22	4.44	5	227
1920	35	4.14	6	171
1921	34	4.52	3	88
1922	37	5.48	6	162
1923	20	3.32	4	200
1924	23	3.61	1	43
1925	15	2.74	2	133
verage	24	4.15	3	133

### ILLECITIMATE BIRTHS.

	Number	Percentage of Births.
JANUARY	1	1.72
FEBRUARY	Ô	0.00
MARCH	Ö	0.00
APRIL	1	2.00
MAY	î	2.12
JUNE	î	2.32
JULY	Ô	0.00
AUGUST	Ö	0.00
SEPTEMBER	2	5.00
OCTOBER	0	0.00
NOVEMBER	2	5.00
DECEMBER	7	14.59
	15	2.71

### BIRTHS IN WARDS, 1925.

	Cent	ral.	Cen	est- tral.		rth-	7000	rth- est.		ith-		ith- est.	To	tal.	Rate per 1,000 estimated Populatio
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
January	2	5	1	5	7	9	3	7	5	5	3	6	21	37	17.91
February	1	2	2	3	4	5	3	4	3	.0	4	3	17	17	10.50
March	7	1	0	1	8	9	2	2	7	8	1	5	25	26	15.75
April	6	3	5	2	7	12	3	0	3	2	3	4	27	23	15.44
May	4	9	3	2	5	6	3	2	2	5	6	0	23	24	14.51
June	1	5	3	1	8	13	2	0	4	0	4	2	22	21	13.28
July	2	3	2	0	4	6	2	4	3	3	2	1	15	17	9.88
August	4	7	1	1	9	5	4	1	6	5	2	0	26	19	13.89
September	4	4	1	1	6	5	3	5	4	1	2	4	20	20	12.35
October	5	2	0	4	1	7	2	7	9	6	4	5	27	31	17.91
November	5	2	0	1	5	7	3	7	0	7	1	2	14	26	12,35
December	8	2	4	0	7	1	6	1	8	3	7	1	40	8	14.82
	49	45	22	21	77	85	36	40	54	45	39	33	277	269	14.05
TOTAL	9	4	4	3	1	62	7	6	9	9 -	7	2	5	46	
Population		334		85		91		90		373		144	38,8	350 .05	

# Deaths.

The total number of Deaths during the year was 549; males 276, females 273; being a decrease of 33 on the previous year.

The Death Rate for the year is 14.13, a decrease of 0.77 on the previous year.

The number of Deaths of Residents in Institutions, etc., outside the district was 100, which has been added to the 449 deaths registered within the district, making a total of 549.

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

The number	of Deaths	in the	Union Workhouse, Blackburn, was	47
,,	,,	,,	Royal Infirmary, Blackburn	34
,,	,,	,,	other Institutions and Places	19

Eighteen Deaths of Non-Residents occurred in the town during the year.

### INQUESTS.

There were 26 Inquests held during the year, compared with 28 during 1924. The following were the verdicts:—

	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925
Accidental Death.	20	15	16	12	17	12	15	12	16	12
Natural Causes .	6	3	8	12	14	9	8	18	11	7
Suicide	4	4	2	2	9	4	5	7	1	7
-	30	22	26	26	40	25	28	37	28	26

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

WARDS		West-	North-	North-	South-	South-	Boroug
Population	Central 6334	Central 3485	East 9044	West 6970	East 6873	West 6144	38850
1 opulation	0004	9409	3044	0970	0010	0144	00000
1925							
January	13.26	17.21	7.96	10.33	10.47	21.48	12.66
February	7.57	20.66	13.26	17.21	10.47	11.71	12.97
March	22.73	30.99	15.91	24.10	15.71	15.62	19.76
April	20.84	13.77	11.94	12.05	8.72	15.62	13.59
May	17.05	20.66	9 28	10.33	8.72	19.53	13.28
June	3.78	6.88	15.91	6.88	8.72	3.90	8.33
July	1.89	6.88	15.91	8.60	6.98	17.57	10.19
August	11.36	3.44	2.65	6.88	10.47	9.76	7.40
September	9.47	6.88	10.61	6.88	1.74	7.81	7.40
October	3.78	0.00	5.30	15.63	10.47	13.67	8.39
November	15.15	10.33	10.61	6.88	6.98	15.62	10.81
December	17.05	10.33	7.96	18.93	12.22	15.62	13.59
Transfers	34.10	51.65	35.82	24.10	24.44	23.43	30.88
Rate for year	14.84	16.64	13.60	14.06	11.35	15.95	14.13

# Death Rates in the Various Wards for the past Ten Years.

Year	C.	W.C.	N.E.	N.W.	S.E.	S.W.	Borough.
1916	17.34	13,99	15.85	15.48	12,01	12.66	14.68
1917	15.35	9.80	17.68	12.88	13.01	14.26	14.29
1918	21,67	20,46	23,60	16.19	21.25	22,81	21,08
1919	14.13	11.89	16.31	12.14	12.58	14,32	13.80
1920	14.53	12,73	13.30	11.40	13.01	12.80	13.01
1921	13.30	12.09	12.75	12.08	8.46	10.61	11.57
1922	15.48	15,22	14.28	15.80	11,94	14.50	14.45
1923	14.15	12.58	12.56	15.01	14.93	11.67	13,54
1924	14.91	23.97	13.30	17.69	13.89	12.14	14.90
1925	14.84	16.64	13.60	14.06	11.35	15.95	14.13
Average	15.57	14.93	15.32	14.27	13.24	14.17	14.54

### CAUSES OF DEATH IN DARWEN, M.B., 1925.

	Causes of Death (Civilians only).	Males.	Females.
	All Causes.	276	273
1.	Enteric Fever	_	_
2.	Small Pox	_	_
3.	Measles	7	9
4.	Scarlet Fever		_
5.	Whooping Cough	2	2
6.	Diphtheria	1	1
7.	Influenza	. 6	7
8.	Encephalitis Lethargica	1	2
9.	Meningococcal Meningitis	_	1
10.	Tuberculosis of Respiratory System	15	10
11.	Other Tuberculous Diseases	3	4
12.	Cancer, malignant disease	. 29	39
13.	Rheumatic Fever		2

	Causes of Death (continued).	Males.	Females.
14.	Diabetes	2	1
15.	Cerebral Hæmorrhage, etc	17	20
16.	Heart Disease	26	26
17.	Arterio-sclerosis	13	11
18.	Bronchitis	20	22
19.	Pneumonia (all forms)	46	24
20.	Other Respiratory Diseases	3	3
21.	Ulcer of Stomach or Duodenum	6	1
22.	Diarrhœa, etc. (under 2 years)	2	2
23.	Appendicitis and Typhlitis	2	2
24.	Cirrhosis of Liver	-	_
25.	Acute and Chronic Nephritis	13	8
26.	Puerperal Sepsis	-	_
27.	Other accidents and diseases of pregnancy and parturition	_	6
28.	Congenital debility and malformation, premature birth	14	10
29.	Suicide	3	4
30.	Other Deaths from violence	9	5
31.	Other defined diseases	36	49
32.	Causes ill-defined or unknown	-	2
Spec	cial Causes (included above)—		
	Poliomyelitis	_	_
	Polioencephalitis	-	-
Dea	ths of Infants under 1 year of age-	1	
	Total	32	33
	Illegitimate	-	2
Tota	al Births	277	269
	Legitimate	267	264
	Illegitimate	10	5
Pon	ulation 38 850		

The death-rate for the year was 14.13 per 1,000.

## ZYMOTIC DEATH RATE.

1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906
1.9	2.0	1.2	1.7	1,9	2.2	1.1	2.1	2.2	1.6	2.08	2.34	2.90	2.14	1.03	0.76	2.07	1.00	1.14
				_	_	_		_		_	-	-				-	1004	1005
1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	0.07	0.20	0.66
0.69	0.76	1.10	0.51	1.51	0.86	0.27	0.44	1.42	0.54	0.32	0.42	0.19	0.12	0.12	0.04	0.07	0,20	0.66

No information has been received from the Poor Law Authorities regarding the amount of Poor Law Relief given in Darwen during the year.

Mr. J. Pomfret, financial secretary to the District Nursing Association, has kindly supplied me with the following particulars:—

	Gross Income.			Ne	t. Exp	Expenditure.		
	£				£	S.	d.	
1924	 2,637	13	4		2,545	1	4	
1925	 2,075	9	5		1,891	10	9	

An Orthopædic Clinic for treatment of cases has been established in connection with this Association.

The Blackburn and East Lancashire Royal Infirmary is an Institution standing at the Southern end of the neighbouring Borough of Blackburn.

Every case sent from Darwen is admitted.

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

	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925
In-Patients	259	281	247	276	345	356	360	394	400	403	427
Out-Patients	565	621	623	663	722	700	756	766	822	824	832

Based upon the ordinary expenditure for the year, the Cost of Treatment of these Patients for the year 1925 was £3,248.

There have been no causes of sickness or invalidity worthy of special note during the period under review. No conditions of employment or environment appear to have had a prejudicial effect on health.

# CENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

HOSPITAL ACCOMMODATION.

For Smallpox-Two beds at Rough Height Farm House.

For other Infectious Diseases—Scarlet Fever, 1 block, 20 beds; for Typhoid Fever 8 beds at Bull Hill Hospital.

These properties are owned by the Corporation.

The Typhoid Fever block at Bull Hill Hospital is loaned to the Lancashire County Council for the treatment of Pulmonary Tuberculosis.

During the year 21 cases of Scarlet Fever, 3 of Typhoid Fever, and 1 of Erysipelas were admitted to the Hospital.

There is accommodation provided at Bull Hill Hospital for the treatment of Tuberculosis. The patients are admitted through the Lancashire County Tuberculosis Committee.

During the year 58 patients were sent by the County Committee to Bull Hill Sanatorium.

There is no hospital accommodation (locally) for the treatment of maternity cases, or for children's ailments. The Queen's Park Hospital, Blackburn, is the Union Infirmary for Darwen, etc., and admits maternity and other cases from Darwen as required. The only other public institution in the immediate vicinity is the Royal Infirmary, which stands at the Southern end of the neighbouring County Borough of Blackburn.

There is no Institutional provision for unmarried mothers, illegitimate infants, and homeless children, in the town, other than sending them into Queen's Park Hospital, Blackburn.

Two Maternity and Child Welfare Centres have been established. One at No. 43, Bolton Road, is open daily from 9 to 10 a.m. and 4-30 to 5-30 p.m. Special afternoon sessions are held every Tuesday and Wednesday from 2-30 to 5 p.m. The other Centre is at Greenfield Institute and an afternoon session is held on Thursdays from 2-30 to 5 p.m.

We have no Day Nursery.

There is one School Clinic (at Holker House), established and maintained by the local Education Authority.

At 20, Railway Road, Darwen, there is a Tuberculosis Dispensary, under the direct control of the Lancashire County Council, where patients attend for examination once each week.

Venereal Diseases are treated at Blackburn Royal Infirmary.

### AMBULANCE FACILITIES.

For the removal of Infectious cases we have one horse-drawn ambulance. For non-infectious and accident cases a motor ambulance is available at Mr. H. Harwood's Station Garage in agreement with the Town Council and during 1925 was called out on 243 occasions.

### PROFESSIONAL NURSING IN THE HOME.

Arrangements in the district for—(a) General Nursing. There is a District Nursing Association in the town employing about six nurses. Districts are allotted to these nurses. They attend the sick and carry out the physicians instructions. (b) For Infectious Diseases the Council make a grant to the said District Nursing Association of £10 10s. 0d. and pay 1/- per nursing visit for attendance upon cases of Puerperal Fever, Pneumonia (in children up to 5 years' old), Infantile Diarrhœa, Ophthalmia Neonatorum, and Anterior Poliomyelitis.

The Local Authority has instituted a scheme for the supply of milk for necessitous infants and expectant and nursing mothers. During 1925 free grants in necessitous cases were made as follows:—

Milk value £27 19s. 9d., Dried Milk £7 10s. 3d., a total of £35 10s. 0d. Midwives.—None employed by the Local Authority.

On the County Council Register there are 16 Midwives, all of whom are practising in the Borough.

Of the Midwives practising in the Borough fourteen of them are trained and hold Certificates, whilst two are Registered but untrained.

The number of midwives practising is sufficient for the district.

### CHEMICAL WORK.

The two Sanitary Inspectors, each in their own district, take samples of water and milk for analysis that is thought necessary. During the year 15 samples of cows milk have been taken and one of water. All were reported as being genuine and satisfactory by the Public Analyst.

### LECISLATION IN FORCE.

Local Acts	Darwen Corporation Act . Darwen Corporation Act .	Operative from 1887. 1899.
Local Orders	Darwen Order	1912.
General Adoptive Acts	Public Health Acts (Amendment) Act, 1890 (Certain Sections) The Infectious Diseases (Prevention) Act, 1890 (Certain Sections) Public Health Acts (Amendment) Act, 1907 (Certain Sections)	27th October, 1896. 27th October, 1900. 15th January, 1912.
Bye-laws relating to Public Health	Nuisances—Snow, filth, dust, ashes, rubbish, keeping of animals Slaughterhouses	3rd March, 1881. 3rd March, 1881. 3rd March, 1881. 5th June, 1891. 9th April, 1896.

All the powers granted under the various Acts and Orders are put into operation when necessary. We have no difficulty in getting the public to comply with our requests. This is evidenced by the fact that no prosecutions were undertaken.

### CO-OPERATION WITH MEDICAL AND ANCILLARY SERVICES, ETC.

The Medical men work in complete amity with the Health Department, and help us in every way in regard to our work.

In regard to Voluntary Hospitals a well arranged scheme of workmen's weekly contributions has been formulated. The collections from this are paid to a Central Fund Committee. This Committee allocates the fund to the hospitals and also the District Nursing Associations in Blackburn, Darwen, etc., thereby securing attention to any medical or surgical requirement.

The Poor Law Authorities work amicably with us in regard to any cases referred to them.

# SANITARY CIRCUMSTANCES OF THE AREA.

### WATER SUPPLY.

The water is collected mostly from Moorland, and is of good quality.

The service is a constant one.

The approximate number of dwellinghouses supplied direct is 10,249. There is no supply by stand pipe.

There is no possibility of contamination in the vicinity of dwelling-houses.

There is no liability to plumbo-solvent action as the water is first treated and the lead supply pipes are tin washed.

There is no insufficiency.

No extensions were required during the year.

The amount used during the year was 372,054,000 gallons; 52,162,000 being for trade purposes, the remainder for domestic use at the rate of 22.5 gallons per head per day.

The total Rainfall for the year on the Watershed was 51.56 inches, and in Bold Venture Park 52.72 inches. We had rain on 227 days.

The heaviest Rainfall was in February with 8.98 inches, and the lowest in June, with 0.26 inches.

#### RIVERS AND STREAMS.

The river is regularly sampled for pollution. Inspections are also made by the Sanitary Inspectors. It appears to me necessary that paving of the river bed should be seriously considered.

#### DRAINACE AND SEWERACE.

The Bacteriological method is the one in use for the treatment of sewage, and appears to be efficient.

The Drainage system of the town is the one known as the combined system. There has been no new development in the system during the year, apart from the necessary cleansing and repairs.

There are a few scattered houses situated in outlying parts of the town to which our drainage system has not yet been extended. These houses are still on the pail system and necessitate the collection and removal of the excreta by the Local Authority.

The Water and Smoke tests are applied to drains.

Sewers are frequently flushed.

### CLOSETS AND ASHPITS.

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

end of the year in question—		
Pails	214	
Water Closets	8311	
Waste Water Closets	2396	,
Cesspools	2	2
	-	
Total	10923	3
Conversions and Installations during 1925 :-		
New Water Closets fixed		110
Premises with one New Closet fixed		90
Premises with more than one New Closet fixed		5
Pails converted to Water Closets		128
Waste Water Closets converted to Water Closet	s	26
Baths installed during the year		125
Urinals installed during the year		10
Comparative Conversions :—		During
During	year	Five Years
192		1921-1925.
No. of Privy Closets—		
To Fresh W.C.'s		
To Waste W.C.'s		
To Pails, etc		-
No. of Pail Closets—	20	
	28	1515
To Waste W.C.'s	20	
	26	75
No. of Houses at which Moveable Ashbins have been substituted for fixed		
receptacles	3	3

There are 12 Dry Ashpits and 10,663 portable refuse receptacles, the majority of which are ashes tubs and placed under covered sheds in the yards.

The Corporation under the provisions of a Local Act contribute half cost of conversions of pails to fresh water closet. In new property only fresh water closets are allowed to be fixed.

The Pail Closets still left are outside the sewered areas of the Borough and cannot be dealt with at present.

We have no privy middens.

### SCAVENCING.

The Scavenging and collection of House refuse is efficiently carried out by the Sanitary Authority.

We have only one motor vehicle the rest being horse drawn.

House refuse is burnt in a Me'drum's Destructor which is situated near the Electricity Works.

### SANITARY INSPECTION OF THE AREA.

No. of premises visited :- 3,740.

Defects or Nuisances: No. discovered, 1,187; No. abated, 1,036.

No. of Notices served :- Informal, 981; Statutory, 490.

Legal Proceedings :- Nil.

For details refer to pages 55 and 68.

### SMOKE NUISANCE.

Advice has frequently been given to furnacemen in regard to the methods of stoking.

The Inspectors took 104 observations, each of one hour's duration, during the year.

It was not necessary to institute legal proceedings but two statutory notices were served upon the occupiers of mills for emissions of Black Smoke in excess of the time limit.

The time limit allowed per hour, for the emission of Black Smoke is as fo'lows:—One, two or three boilers, 5 minutes per hour. Four or more boilers, 7 minutes per hour.

### OFFENSIVE TRADES.

Three firms carry on offensive trades within the Borough, i.e., Tripe Boiling and Gut Scraping. The conduct of the trade is carried out satisfactorily in each case.

### WORKSHOPS AND WORKPLACES.

The Workshops and Workplaces are on the whole in a fairly good condition.

### COMMON 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 105.67, including women, as compared with 95.37 for the previous year, an increase of 10.30.

### HOUSES LET IN LODGINGS.

During 1925 no action was taken respecting the above. It is proposed to frame byelaws for approval by the Ministry of Health, in accordance with the Public Health Act, 1925.

#### SCHOOLS.

The condition of the Schools on the whole is good, the water supply, etc., being also good.

### ELEMENTARY EDUCATION PROVISIONAL CODE, 1922.

AMENDING REGULATIONS No. 2, 1924.

Owing to the prevalence of epidemic illness at the undermentioned Schools, it was necessary for me to certify and recommend that the attendances should be marked "Rule 23, Exception 2."

	Da	ate.		
Name of School.	From.	To.	F	Reason.
Highfield Council Infants.	April 1st	April 27th.	Measles,	Chicken Pox,
				imps.
St. James' C. of E. Infants	June 15th	July 9th.	Do.	Do.
St. James' C. of E. Infants	Oct. 28th	Nov. 24th.	Do.	Do.
Earcroft C. of E	April 1st	April 9th.	Do.	Do.
St. Edward's R.C. Infants	May 22nd	June 5th.	Do.	Do.
St. George's C. of E. Infants	May 4th	May 29th.	Do.	Do.
St. George's C. of E. Infants	June 2nd	June 5th.	Do.	Do.

It was necessary to close St. Joseph's Infants School entirely on account of Mumps from 3rd February to 23rd February, 1925.

The Schools are inspected by the Sanitary Inspectors four times per annum during the holiday periods. At these periods the floors and furniture are washed and the walls are swept; all lavatories are specially attended to and limewashed.

## Housing.

### CENERAL HOUSING CONDITIONS IN THE AREA.

The houses are mostly built of stone. The newly-built houses are, however, of brick. There are a few houses in certain areas of the town which require much repairing to keep them in reasonable order. Generally the houses are of a good quality both in building and accommodation.

Estimating for displacements that may occur in the poorest part of the town we calculate that about 150 houses may be required.

Building is at present being conducted by the Corporation, Darwen Industrial Co-operative Society Ltd., Spring Vale Garden Village Co., Ltd., and several local contractors.

There has been no important change in the population during the period of review nor is any anticipated in the future.

#### OVERCROWDING.

In the poorer districts of town young married people of poorer classes tend to rent rooms rather than rent a house and pay for such rooms more than the rent of a house. No definite case of overcrowding has come to our notice.

Cases have been reported to us; but when measurements of houses have been taken, we have found no evidence of overcrowding.

### FITNESS OF HOUSES.

The general standard of housing in the area is good.

The general character of defects found to exist in unfit houses are dampness, imperfect ventilation, and defective windows.

The majority of the property in the town is tenant-owned.

In the poorer parts of the town the type of tenant occupying these houses in many cases causes destruction to property. It is also in regard to this type of house that landlords are reluctant to spend much money on their repair. We, however, after consultation with the owners find no difficulty in inducing them to carry out our requirements.

### CENERAL ACTION TAKEN AS RECARDS UNFIT HOUSES.

Under the Public Health Acts action is mostly taken under Sections 91 and 46 of the Public Health Act, 1875.

Under the Housing Acts one case under Section 3 of the 1925 Act is being complied with.

We have no difficulties in remedying unfitness either under the Public Health Acts or under Section 3 of the Housing Act, 1925.

No special action is required to secure improved management of property by owners.

To ensure better care of property by tenants, notices are occasionally posted in water closet buildings warning the tenants against the improper use of same. Advice is also given to tenants by the Sanitary Inspectors, Health Visitors and School Nurse.

Owners are met by amicable arrangement where difficulty arises in carrying out necessary work.

Back-to-back houses are few in numbers. These houses are regularly inspected and kept in as good a sanitary condition as it is possible to keep them.

Water supply as affecting housing is good.

Closet accommodation is now good.

Refuse disposal is good.

One hundred and twenty-eight pail closets were converted to the water carriage system during 1925.

### UNHEALTHY AREAS.

An official inquiry was he'd regarding an Unhealthy Area Representation (made during 1924) on February 26th, 1925. The plan of the area, giving the result of the inquiry, is submitted with this report. Byelaws are now under consideration under the Public Health Act, 1925.

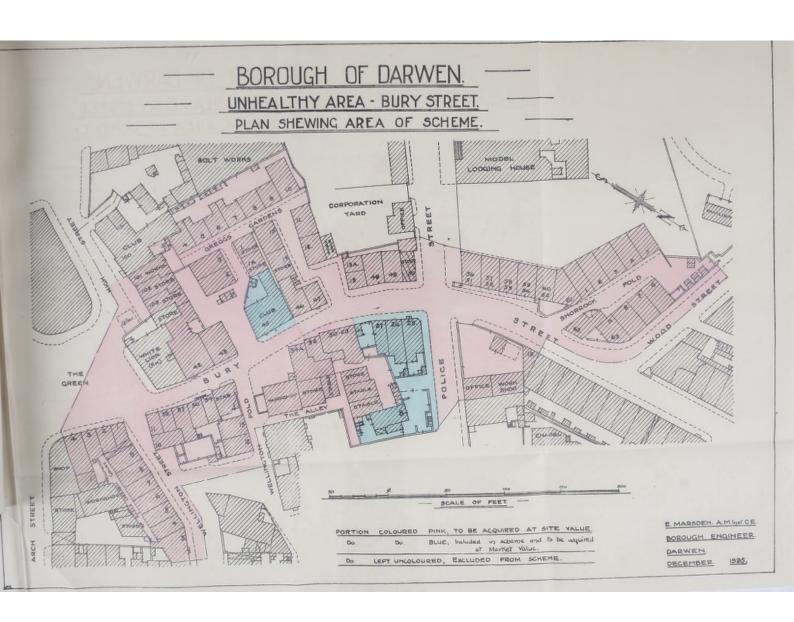
These byelaws are required because of the sub-letting of rooms in the poorer localities.

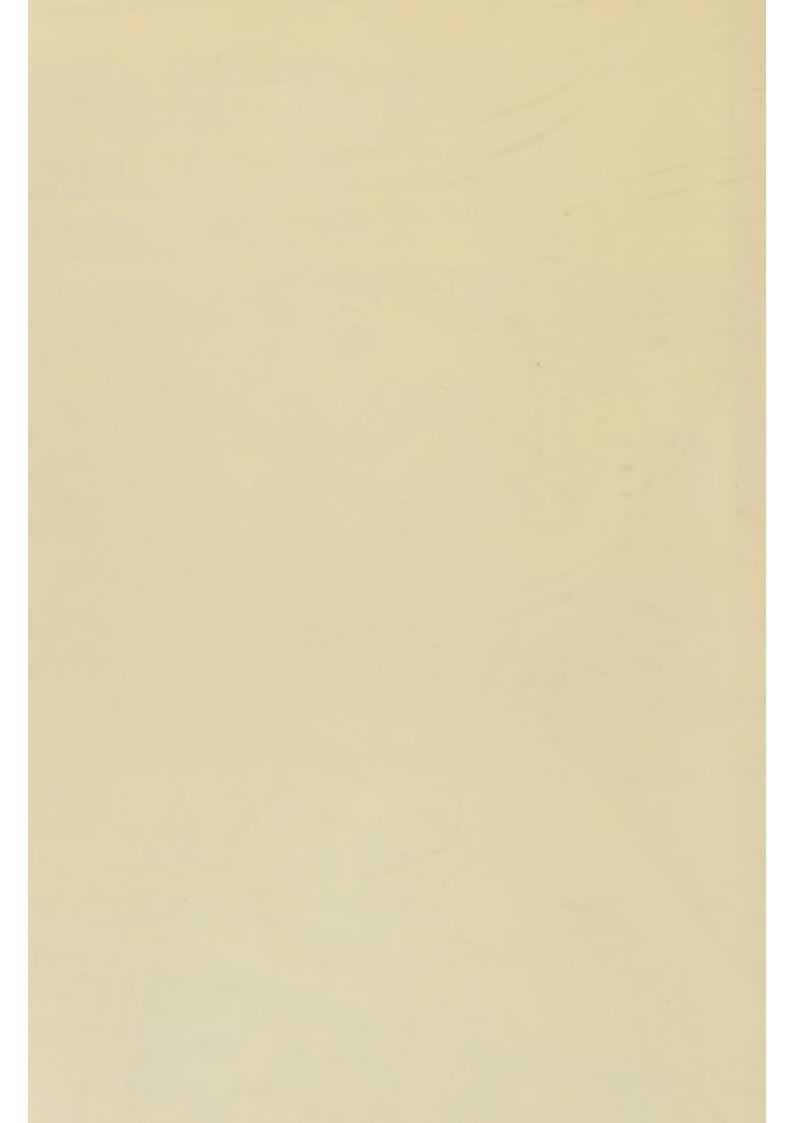
# CENERAL AND MISCELLANEOUS.

People have been advised throughout the year by Popular Lectures, also home visiting, and advice given by the Sanitary Inspectors, Health Visitors and School Nurse regarding general home hygiene.

# HOUSING STATISTICS FOR THE YEAR, 1925.

No. of new houses erected during year—	
(a) Total (including numbers given separately under (b))	50
(b) With State assistance under the Housing Acts—  (i.) By the Local Authority	21 27
No. of houses in course of erection under Council's Building Scheme	18
Financial assistance for purposes of increasing housing accommodation-	
Have any advances been made during 1925—	
<ul> <li>(a) By loans? No. No. —. Amount of Loans, Nil.</li> <li>(b) By subsidy? Yes. No. 57. Amount of Subsidies, £6,127 10s.</li> </ul>	. <b>0</b> d.
- UNFIT DWELLINGHOUSES.	
Inspection—(1) Total number of dwellinghouses inspected for housing defects (under Public Health or Housing Acts)	3149
(2) No. of dwellinghouses which were inspected under the Housing (Inspection of District) Regulations, 1910, or the Housing Consolidated Regulations, 1925	153
(3) No. of dwellinghouses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	70
(4) No. of dwellinghouses (exclusive of those referred to under 3) found not to be in all respect reasonably fit for human habitation	17
REMEDY OF DEFECTS WITHOUT SERVICE OR FORMAL NOTICE	S.
No. of defective dwellinghouses rendered fit in consequence of informal action by the Local Authority or their Officers	12





## ACTION UNDER STATUTORY POWERS.

A.—Proceedings under Section 3 of the Housing Act, 1925—	
(1) No. of dwellinghouses in respect of which notices were served requiring repairs	0
(2) No. of dwellinghouses which were rendered fit after service of formal notices:—  (a) By owners  (b) By Local Authority in default of owners	0
(3) No. of dwellinghouses in respect of which Closing Orders became operative in pursuance of declaration by owners of intention to close	0
B.—*Proceedings under Public Health Acts—	
(1) No. of dwellinghouses in respect of which notices were served requiring defects to be remedied	38
(2) No. of dwellinghouses in which defects were remedied after service of formal notices:—  (a) By owners  (b) By Local Authority in default of owners	31
C.—Proceedings under Sections 11, 14 and 15 of the Housing Act, 1925—	
(1) No. of representations made with a view to the making of Closing Orders	1
(2) No. of dwellinghouses in respect of which Closing Orders were made	0
(3) No. of dwellinghouses in respect of which Closing Orders were determined, the dwellinghouses having been rendered fit	0
(4) No. of dwellinghouses in respect of which Demolition Orders were made	0
(5) No. of dwellinghouses demolished in pursuance of Demolition Orders (Housing and Town Planning Act, 1909)	1
D.—No. of houses demolished voluntarily by owners, or converted to workshops, etc.	2
* Refers only to action taken in reference to housing defects.	
Notices with regard to drainage and other defects should be included under Sanitary Inspections.	

# INSPECTION AND SUPERVISION OF FOOD. MILK SUPPLY.

The milk supplied in Darwen is of good quality.

The farms are regularly inspected and the farmers themselves take an interest in general cleanliness. One farmer has now renovated his farm and has been granted permission to sell "Grade A" Milk (April, 1926). It is worthy of note that in this district the Farmers' Association are impressing upon the farmers the need for general cleanliness and hygienic methods in all processes in regard to the milk supply.

The Milk and Dairies (Consolidation) Act, 1915, The Milk and Dairies (Amendment) Act, 1922, and The Dairies, Cowsheds and Milkshops Orders are all being complied with according to the various provisions of the Acts.

Under the Milk (Special Designation) Order one Dealer's License to se'l "Grade A" (Tuberculin Tested) Milk has been granted.

There has been no refusal or revocation of registration of retailers or of licenses for graded milk.

The Dairies, Cowsheds, and Milkshops are periodically inspected. Their condition is fairly good.

Regulations were made on the 4th April, 1898; these are enforced. The cubic capacity mentioned in the Regulations is 600 cubic feet per cow.

There are 88 cowkeepers on the Registers and 31 Dairymen. One hundred and eighty-one Inspections have been made by the Inspectors during the year.

When necessary the veterinary surgeon is called in to inspect dairy cows.

The powers under the Milk and Dairies Act, 1922, and the Tuberculosis Order, 1925, are being applied in respect of Tuberculous Milk and Tuberculous Cattle.

During 1925 we had no occasion to obtain any samples of milk for bacteriological examination.

#### MEAT.

The Meat Inspector regularly attends at the Slaughterhouses during the times of killing. He inspects all live animals and again inspects them post-mortem. He deals with all diseased conditions found and if in any doubt as to the condemnation of the whole carcase or any part of such carcase he asks the Medical Officer of Health for his opinion, and if necessary we then refer it to the Veterinary Inspector.

In regard to any extra killing, the butcher or farmer notifies the Meat Inspector, the place, day, and hour, so that the Inspector can be present.

The Meat Inspector reports all cases of tubercular conditions which he finds, to the Medical Officer of Health, who takes any further steps by writing to the Authority concerned. Should any farmer in this Borough be involved, the Inspector for the district in which the farm is situate, visits and reports to the Medical Officer of Health. Further action is taken if necessary according to the provisions of the Regulations.

Diseased meat is condemned and afterwards cremated in the town's destructor.

The stalls, shops, stores and vehicles are under the supervision of the Inspectors and the provisions of the Regulations are being complied with.

#### SLAUCHTERHOUSES.

A public slaughterhouse has been provided and this is conducted satisfactorily.

There is only one private licensed slaughterhouse in the town. This private slaughterhouse (occupied by a wholesale butcher) was licensed many years prior to 1920.

#### BAKEHOUSES.

There are 80 Bakehouses and on the whole they are in a fairly good condition.

#### OTHER PREMISES.

There are in addition to the Bakehouses, 104 other premises where food is prepared.

The various workshops, bakehouses, etc., where food is prepared are kept under strict supervision.

The amount of food surrendered or condemned as unfit for human consumption is as follows—

- (a) Tuberculous carcases and parts—Approximate weight, 3,863 lbs., taken from 25 Beasts and 36 Pigs.
- (b) Diseased, unsound or unwholesome meat, other than above— Approximate weight, 8,058 lbs., taken from 505 Beasts, 143 Sheep, 3 Calves and 19 Pigs.
- (c) Other Foodstuffs—100 lbs. Apples, 50 Rabbits, 189 lbs. Sheep Feet, 42 lbs. Pears, 142 lbs. Fish (Graylings).

It was not necessary to institute any legal proceedings.

There have been no cases of food poisoning reported to me during the year.

### SALE OF FOOD AND DRUCS ACTS.

Fifteen samples of cows' milk were purchased by the Inspectors and submitted for analysis. The whole of the samples were found to be genuine.

We have not taken any action during the year in respect of Condensed Milk Regulations, 1923, Dried Milk Regulations, 1923, or the Milk and Cream Regulations, 1912-1917.

# PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES. INFECTIOUS DISEASES CENERALLY.

The only noteworthy fact in relation to Infectious Diseases was that which occurred during 1925 when two cases of Paratyphoid Fever were notified. Upon inquiry into these cases it was found that the patients (females) were members of a party of six who had spent a month's holiday in Southern France and on the Mediterranean shore. The illness which manifested itself about 10 days after their arrival home, suggested either Typhoid or Mediterranean Fever. Bacteriological examination confirmed "Paratyphosus B." From conversation with the patients it was elicited that one other member of the party was ill at Lytham St. Annes suffering from pneumonia. The Medical Officer of Health communicated with the Medical Officer of Health for Lytham St. Annes regarding the case. The two cases referred to were removed to Bull Hill Hospital. Both made a good recovery.

# COMPARATIVE TABLE OF INFECTIOUS DISEASES DURING THE YEARS 1920-1925.

YEAR.	Diphtheria and Croup.	Erysipelss.	Scarlet Fever,	Typhoid Fever.	Puerperal Fever.	Tuber-	Ophthalmia Neonator'm	Measles & German Measles.	Pneum'nia.	Malaria.	Cerebro- Spinal Fever.	Dysentery.	Poliomye- litis.	Enceph'litis Lethargica,	Trench Fever.	Total.
1920	18	9	37	2	3	32	3	126	10	5	***					245
1921	10	5	24	1	1	31		13	7	3	1	1	1	3	1	102
1922	7	8	220	4	1	46	3	951	6							1246
1923	6	10	147	2	4	53	2	239	9		1			3		476
1924	2	6	37		5	42	4		34					5		135
1925	6	9	33	3	4	45	2		89				1	5		197

All other cases of Infectious Diseases occurring throughout the years under review were sporadic ones.

Under the Diphtheria Anti-toxin Order of 1910 a supply of Anti-toxin is kept at the Health Office, and the amount supplied free of charge to local practitioners during 1925 was 80,000 units. In addition there was also 25 c.c. of Meningococcal Serum used. The Anti-toxin is promptly used.

We have had sporadic cases of Encephalitis Lethargica. The cases had no connection with each other.

We have discovered no "return" cases of Scarlet Fever.

Cases of Pneumonia occurring locally do not exceed the average for the country generally.

#### LABORATORY WORK.

The Corporation have an arrangement with the Public Health Laboratory, York Place, Manchester, for the examination of Pathological and Bacteriological specimens, the Corporation paying the necessary fees.

The number of Bacteriological Examinations is as follows—Blood 4, Sputum 18, Throat Swabs 17, others 2 (Fæces).

In addition the Tuberculosis Officer's Department (Dr. MacPhee's) have examined 132 specimens of Sputum with a positive result in 16 cases and a negative result in 116.

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

Manchester.

YEAR.		Diph	theri	a.	Typhoid Fever.					berci Sput	ulosis	Cerebro-Spinal Fever. Spinal fluid Swabs.					
	Post-	Nega- tive.	Doubt ful.	Total	Posi-	nega-	Doubt ful.	Total	Post-	Nega- tive.	Total	Posi-	Nega- tive.	Total	Posi-	Nega- tive.	Total
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		***				
1915		12		12	2	4		6	58	60	118	1		1		2	2
1916	6	7	***	13	1	4	1	6	74	50	124		1	1		3	3
1917	8	16	1	25	1	8		9	56	64	120						***
1918	4	4	1	9	2	1		3	42	76	118						
1919	7	8	1	16				121	34	59	93						***
1920	8	11	1	20	2		***	2	38	48	86					***	***
1921	9	20	***	29	1	4		5	10	21	31						
1922	5	9		14	5	5		10	2	13	15						
1923	8	23	2	33	2	4		6	3	12	15						
1924		4		4		1		1		17	17						
1925	5	12		17	3	1		4	2	16	18						***

No use has been made of the tests known as the Schick and Dick Tests, in Diphtheria and Scarlet Fever respectively, or of the recently developed artificial methods of immunization against these diseases.

No vaccinations have been performed by the Medical Officer of Health under the provisions of the Public Health (Smallpox) Regulations, 1917.

It has not been necessary to make any of the following diseases compulsorily notifiable—Measles, Whooping Cough, Diarrhœa (under 2 years), Chicken-pox, or any other disease.

Number of times School Closure adopted for—Scarlet Fever, Nil; Diphtheria, Nil; Measles, Nil; Whooping Cough, Nil; Chicken-pox, Nil; Influenza, Nil; Any other Diseases (specify same); Mumps, Once.

Number of Special Reports made under Art. XIX. (15 and 16) Sanitary Officers' Order, 1910?—Nil.

No special inquiries have been undertaken in connection with epidemics from Influenza.

A special inquiry and experimental investigation was undertaken by the Medical Officer of Health regarding the question of Spinners' Epithelioma Scroti. A separate report on the subject has been issued.

### DISINFECTION AND DISINFESTATION.

The number of houses disinfected during the year was 134. The Disinfecting medium used being either Sulphur or Formalin.

A new disinfecting station and modern apparatus has been erected near the centre of the town on a site adjoining the Electricity Works at Shorey Bank. This station came into use during January, 1925, and the following is a summary of the articles disinfected:—

### LIST OF ARTICLE DISINFECTED DURING 1925.

Beds	Mattresses	Bolsters	Pillows	Quilts	Blankets	Sheets	Suits of Clothes	Carpets	Rugs	Curtains	Cushion	Shawls	Sundries
112	9	79	143	77	124	58	8	1	0	0	1	4	105

Total articles Disinfected, 721.

Arrangements have been made for bathing verminous, etc., persons if occasion arises.

Disinfestation was carried out in two instances and in a number of cases the bedding was destroyed

### NOTIFIABLE DISEASES.

Number of cases of infectious disease notified, number of deaths from these diseases, number of cases removed to hospital, and deaths in hospital during the year 1925:—

				C	ASES		TIF1							Hosp	ital.	
						)	EAR	s.								
DISEASE.	Total Cases at all Ages,	Under 1	1 to 2	to 3	3 to 4	to 5	5 to 10	10 to 15	to	to	to	to	65 and over	Total Cases removed to Hospital.	Deaths in Hospital of persons belonging to district.	Total Deaths
Smallpox								***								
Scarlet Fever Diphtheria, including	33	***	2	***	1	5	10	10	2	2	1		***	21	***	
Membranous Croup Enteric Fever (includ-	6	***			3	1	1	227				***	***			2
ing Paratyphoid) Acute Primary Pneumonia	3		***	***	***	***	***	***	1	1	2		***	3	***	***
Acute Influenzal Pneumonis Puerperal Fever		4	1	2	2	4	5	4	100	1	13	22	6	4	2	2
Cerebro-Spinal Fever						***	***	***				***	***	1	***	
Acute Poliomyelitis Acute Polio-encepha-	ï	***	1			***	***	***						ï		
litis Encephalitis						***	***		***				***	***	***	
Lethargica	5		433						1	1	2	1		2		3
Dysentery Ophthalmia				***					***				***		***	
Neonatorum Erysipelas	2	2						***					***			
Pulmonary Tuber-	9	***	***	***	***	555	***	111	1	3	1	2	2	1		
culosis Other forms of Tuber-	33	***	2	1	**		1	3	6	10	6	4		22	7	25
eulosis	12			1	1	1	1	5	1	1	1			3		7
Any other diseases notifiable in district,	***			***		***	***						***	***		
e g.:— Chicken-pox Measles (excluding	***	***		***										***		
German Measles)	744	***						***								
Whooping Cough Any other disease		***				***	***	***							***	16
				***		240	***	***			•••	•••	***	***		
Totals	197	6	6	4	7	11	18	22	15	45	26	20		58	9	59

TUBERCULOSIS.

				New	Cases,		DEAT	HS should a plied by	mber of deat agree with the the Registra	he classi he total s ar-Gener
Age P	Age Periods.			onary.		on- onary.	Pulm	onary.	Non- Pulmonary	
			M.	F.	M.	F.	M.	F.	M.	F.
Years. 01										1
1-5			2	1	3		1		2	1
5—10			1			1				1
1015			2	1	3	2		1	1	
15-20			2	4		1	1	1		
20-25			2	3		1	1	3		
25-35			3	2			2	2		1
35-45		***	4	2	1	***	5	2		
45—55							3			
5565			3	1			2	1		
65 and up	wards	***								***
	-									
			19	14	7	5	15	10	3	4
То	tals		3	3	Î	2	2	5	1	7

Specify the ratio of non-notified tuberculosis deaths to total tuberculosis deaths?—1 to 16.

Cases are fairly efficiently notified. No action has been taken.

There is no evidence of excessive incidence, or mortality from tuberculosis in any particular occupation in the district.

Twenty-five cases of Tuberculosis were sent to various sanatoria and hospitals for surgical cases. Fourteen of these were discharged and four died before the end of the year.

The Examination of Sputum on Discharge was positive in 7 cases, negative in 1, in 4 cases there was no examination result, while in the remaining 3 cases there was no sputum.

The Consumptive Patients from Darwen were sent to the following Institutions:—

- 4 Patients to Bull Hill, Darwen.
- 3 ,, Aitken, Holcombe.
- 3 , Meathop, Grange.
- 3 .. Shelf, Halifax.
- 2 ,, Observation Hospital, Bury.
- 2 ,, Heath Charnock, near Chorley.
- 2 ,, Burnley, Burnley.
- 2 ,, Elswick, near Kirkham.
- 1 Patient to High Carley, Ulverston.
- 1 ,, Wolstenholme, near Liverpool.
- 1 ,, Heath Charnock, near Chorley.
- 1 ,, David Lewis Northern, Liverpool.

## PUBLIC HEALTH (PREVENTION OF TUBERCULOSIS) RECULATIONS, 1925.

Under these Regulations action was taken in one case. A farmer was notified to us suffering from Pulmonary Tuberculosis and was advised to leave his farm. This he did after selling the farm.

### PUBLIC HEALTH ACT, 1925. SECTION 62.

We have had no occasion to take action in respect of this section.

Notification of Infectious Diseases in each Ward, and for each Month of the Year 1925.

	Total.	10	31	15	28	18	13	15	6	6	20	17	12	197
	Eucebp, Leth		-	:	:	-	-	0.3	:	:	:		1	10
	Tuberculosis.	! -	00	-	-	10	13	10	-	0.4	0.1	10	60	4.5
-	Erysipelas.	60	-	64	CS	:		1	-	4		1	:	6
BOROUGH	Poliomyelitis.		-		1	1	- 3	-	1	1	8	-		-
5	Ophthalmia Neon.	:	-		-	-	-	-	-	-	-	-	1	G1
00	Puerperal Fever.	-		-	-	1	-	-	:	-	1	-	-	4
OR	Pneumonia.	60	CS	-	1-	0	9	00	00	04	-	10	-	94
B	Typhoid Fever.	1	-	-	-	-	-	1	-	C4		-	:	00
	Diphtheria.	21	-	-	-	-	-	-	-		90	1	-	9
	Scarlet Fever.	:	C)	-	-	64		-	65	03	4	10	1-	80
	Tuberculosis,	-	-		674	-	-	Q4		-	-	-		00
÷ .	Erysipelas.	1 -	-		-	-				-	11111		-	C4
JTH.		1		- :		-	-		-	-			-	63
54	Puerperal Fever.	:		GI.	60	60	-	-	-		G4	-		0
SOU	Pneumonia	-	-			-			-	G1	-	-	:	5 16
0,	Typhoid Fever.		:	-	- 1	:	- :	- 3	-		-		- : .	
-	Scarlet Fever.				:		-	-	-	1	1		-	4
SOUTH- EAST.	Tuberculosis.		- :	-	:	C3		:	-	1	-	-	1	63
TIS	Erysinelas.		:	_	:	1		1	_	:	:	10	:	C3
EA	Pneumonia.	-	-	6.0	-	0.1	C.S	:	:	-	:		1	=
S	Scarlet Fever.	1	03	- 1		1	:	-	-	-	-	1	- 1	50
	Enceph. Leth.		-	1		1			1	1		- 8		00
	Tuberculosis.	1	10	-		1	1	-	1	-	- 1	1	-	10
ET.	Etysipelas.	-	-		1	1	-	:	1	:	1	1	:	-
NORTH- WEST.	Pneumonia.	1 :	60	:	00	-	:	:	0.0	1	00	24	1	14
NO	Typhoid Fever.	1 :	1	-	- 1	:	-	-	- 1	-		-	-	-
2-	Diphtheria.	-	-	- 1	-	:	-	-	-	-	03	:	1	00
	Scarlet Fever.	:	64	-	-	-	-	-	-	-	01	-	63	0
-	Tuberculosis.				0.5	-	-	03				60	C1	120
-	Etysipelas.	-	:	-	-	1	:	:	:			:	-:	00
NORTH- EAST.	Puerperal Fever.	:	-	=	:	-	- :-	-	-:	-:	-	- :	-	-
1S	Pneumonia.	1 1		00	9	-	0.1	6.0	-	-	-	-	-	1 1-
ES	Diphtheria.	-	:	-	-	:	-:	:	-:	-:	-			2 1
4	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO I		60	-		-	-	-	-	-	-	60	4	1 63
-		-		-	-	-	-	=			-	-	-	03
A.	Enceph, Leth.				-	-	-	-	-	-			-	1 22
PRA	Tuberculosis.	1	- :	:		-	3	- 1		-	1	-	1	00
WE	Erysinelas.	1	_	-	1	-	1	1	- 1	-	- 1			-
WEST. CENTRAL	Pneumonia,	1	6.0	-	-	-	-	-	period .	-	C4	:		11115
	Tuberculosis.	-	-	-	0.1	-	.00		1	-	-	:		=
	Poliomyelitis.	1 :	1	:	1		:	1	1	- :	-	-	-	
1	Ophthalmia Neon.	1 1	1	-	-	3	-	:	-	-	:	91	1	01
CEN- TRAL.	Puerperal Fever.	-	- 1	- :		-	-		9	:			1	-
E	Pneumonia	-	-	00	50	6)	-			-	23	0.1	1	1 16
OF	Diphtheria.	1 3	- 1	-	- :	-	1	-	-	-	-	-		
	Scarlet Fever.	1 8	1	-	-	-	-	:	-	-	-	-		00
		1		:	:	:			:	K	:			1
	7Ď	1	>	:	:	:	:	1	:	SEPTEMBER	~	NOVEMBER	DECEMBER	
	H	2	AA		:	- 3	-	-	H	M	E	B	B	H
	EX	A	D	H	7	:			S	E	OB	S	N	LA
	MONTHS.	III	3R	RC	SI	×	E	Y.	G	L	TC	V	CE	TOTALS
- HICH	7	TANTIARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	E	OCTOBER	0	E	H
1		1 -	5 1	-	<	1	-	-	A.	S	0	Z	D	1

## RETURN OF VACCINATION FOR DARWEN, 1925.

MONTHS.	Success- ful Vaccina- tion.	Died	Insus- ceptible.	Ex- empted.	Post-poned.	Re- moved out of Town and Traced.	Re- moved and Cannot Trace	counted	Success- fully vaccinated cach quarter.
January	22	6	0	29	1	0	0	0	
February		3	0	16	0	1	0	1	
March	21	5	0	23	1	0	0	1	56
April	16	0	0	32	0	0	0	2	
May	16	4	0	26	0	0	0	1	
June		1	0	28	0	0	1	0	45
July	11	1	0	20	0	0	0	0	
August	14	6	0	21	0	0	1	3	
September	10	3	0	20	0	0	0	7	35
October	14	6	0	24	0	0	0	13	
November	5	1	0	15	1	0	0	18	
December	1	3	0	12	0	0	0	27	20
	156	39	0	266	3	1	2	73	156

### VACCINATION.

Year	Births	Successfully Vaccinated	Rate per cent Vaccinated
1916	562	200	35,58
1917	427	153	34,43
1918	353	116	32,86
1919	495	134	27.07
1920	845	195	23,07
1921	753	231	30.67
1922	674	169	24.92
1923	602	208	34.55
1924	636	178	27.98
1925	546	156	28,57

## Maternity and Child Welfare.

Two Health Visitors have been appointed and we have established two Maternity and Child Welfare Centres. Two sessions are held weekly at the Bolton Road Centre, and one at the Greenfield Centre. Advice is given daily by the Health Visitors at Bolton Road Centre to any mothers between the hours of 9 to 10 a.m., and 4-30 to 5-30 p.m. The Medical Officer of Health attends one session each week for ante-natal work. Children up to 5 years are weighed and record cards are kept.

The following are particulars of the work of the Health Visitors—	
First Visits	489
a	2769
Y 97 1. (61 14 4	3116
Visits to Expectant Mothers	453
Visits re Stillbirths	(
Visits to Babies suffering from Ophthalmia Neonatorum—First	2
Visits to Babies suffering from Ophthalmia Neonatorum—Second and Subsequent Visits	(
Visits to Babies suffering from Measles and other infectious diseases	537
Other Special Visits	270
	7654
The following particulars were obtained on first visits—	
Feeding—	
	201
Breast	320
Bottle	107
Breast and Bottle	62
	489
	1000
Types of Bottles Used—	
Bottles without Tubes (including medicine bottles, etc.)	137
Bottles with Glass Tubes	2
Bottles with Rubber Tubes	17
-	-
	169
	-
Foods—	
Cow's Milk (undiluted)	16
Cow's Milk and Water	85
Cow's Milk and Barley Water	24
Cow's Milk Citrated	3
Nestle's Milk	4
Dried Milk	23
Patent Foods	14
	169

### MATERNITY AND CHILD WELFARE CENTRES.

Bolton Road. Greenfield.

Number of children who have been weighed during the year	360	 130
Babies specially examined by the Medical Officer	135	 25
Babies referred to Family Doctor for Treatment	70	 9
Babies recommended for Institution Treatment	50	 10
Average Attendance of Expectant Mothers per Session	2	 1
Average Attendance of Mothers per Session	29	 15
Average Attendance of Children per Session	28	 17

The following is a summary of cases which were examined by the Medical Officer of Health at the Maternity and Child Welfare Centre, and found to be suffering from some type of deformity requiring special treatment.

### ADMITTED TO BLACKBURN ROYAL INFIRMARY.

No.	Condition.	Result.
1	Separation of Epiphisis.	Cured.
1	T. b. Meningitis.	Improved.
1	Marasmus.	Cured.
2	Tonsils and Adenoids.	Awaiting operation.
1	Umbilical Hernia.	Cured by operation.
2	Phimosis.	Cured by operation.
1	Nystagmus.	Under treatment.

## ADMITTED TO QUEEN'S PARK HOSPITAL, BLACKBURN.

No.	Condition.	Result.
3	Early Rickets.	One improved, two refused
		treatment.

### REFERRED TO FAMILY DOCTOR.

No.	Condition.	Result.
1	Tuberculosis.	Improved.
3	Phimosis.	Cured by operation.
1	Osteitis.	Improving.
1	Injury at Birth.	Cured.
2	Bronchial Catarrh.	Cured.
1	Blepharitis.	Cured.
1	Cut hand.	Cured.

# PARTICULARS OF INDIVIDUAL CASES SPECIALLY EXAMINED BY MEDICAL OFFICER OF HEALTH.

Defect.	No.
Strabismus	2
Blepharitis	2
Tonsils and Adenoids	2
Bronchitis	2
Pulmonary Tuberculosis	1
Snuffles	1
Eczema	3
Impetigo	1
N&vus	1
Ringworm	3
Cut Hand	1
Simple Rashes	4
Umbilical Hernia	3
Birth Injuries	1
Phimosis	5
Hydrocephalus	1
Cretinism	1
Undescended Testicle	1
Tubercular Basal Meningitis	1
Tubercular Cervical Glands	1
Constipation	3
Diarrhœa and Vomiting	6
Re. Feeding	6
Marasmus	4
Rickets	10
Convulsions	1
	67
	-

## NOTIFICATION OF BIRTHS ACTS.

## Table showing the number of Births Notified during 1925.

	Male.	Fe	emale	. 1	Total.	Still	born
JANUARY	30		25		55		3
FEBRUARY	15		21		36		0
	. 25		27		52		2
			18		41		1
			24		46		1
		10000000	7.0				1
			77				2
			30				
						10000	
		-			17.7		
					-		
DECEMBER	33	***	21		54	***	2
	274		272		546		16
Births Notified by Midwives							506
APRIL       23       18       41       1         MAY       22       24       46       1         JUNE       19       18       37       1         JULY       26       22       48       1         AUGUST       21       21       42       0         SEPTEMBER       16       27       43       0         OCTOBER       21       29       50       5         NOVEMBER       23       19       42       0         DECEMBER       33       21       54       2         274       272       546       16         Births Notified by Midwives       33       21       54       2         Births Notified by Parents       33       21       546       16         Births Notified by Midwives and Medical Men       18       36		18					
							3
							19
							0
							0
							0
Directs Notified by Others							
Total							546

### Table showing Births Notified, Visits, Etc.

		Births N	lotified.			is not ified.	Bi Vis			
Year.	Males,	Females	Total.	Still- born,	No.	Prose- cutions.	No.	of Total	Births Revisited	
1916	272	292	564	27	9	0	421	78.2	596	
1917	224	204	428	20	8	0	397	92.8	1370	
1918	180	168	348	19	11	0	320	91.9	1477	
1919	266	273	539	34	3	0	442	82.0	1294	
1920	448	432	880	58	6	0	709	80.5	1054	
1921	395	380	775	39	11	0	431	55.6	1111	
1922	335	337	672	30	10	0	472	70.2	1157	
1923	303	326	629	33	5	0	596	100.0	2545	
1924	331	310	641	26	3	0	593	92.5	3989	
1925	274	272	546	16	9	0	489	89.5	2769	

### DEATHS UNDER ONE YEAR OF ACE.

Year	Premature Birth	Convulsions	Bronchitis & Pneumonia	Diarrhœal Diseases	Whooping	Measles	Inanition	Congenital	Other Causes	Total	Rate per 1000 Births
1916	13	2	9	2 5	2	1	4 4 1 8	3	15	51	91
1917	9	1	14	5	1	***	4	***	16	40	89
1918	9 3		4	2 1		3	1	1	12	26	74
1919	15	2	4	1	1		8		11	57	115
1920	18	1	12	1			15	8 3	29	79	93
1921	12	1	11		1		3	7	18	53	70
1922	8	3			2		4	6	20	56	83
1923	12	3	9			4	15 3 4 2	9	14	40 26 57 79 53 56 47 43	78
1924	15		8	4			6	3	7	43	78 67
1925	13	2	8 12		1	7	2	9	19	65	119
1925	13	2	12	***	1	-	2	9	19	60	119

### DEATHS UNDER ONE YEAR OF ACE IN MONTHS.

											Under 12 M'ths.	
Deaths	26	4	-6	5	6	2	5	2	 6	1	2	65
Percentage of Total.	40.0	6.1	9.2	7.7	9.2	3.0	7.7	3.0	 9.2	1.5	3.0	

### Table showing Infantile Mortality in the Various Wards.

Year.	C.	W.C.	N.E.	N.W.	S.E.	S.W.	Boro.
1916	109	25	140	107	59	55	91
1917	164	77	76	79	59	104	89
1918	38	57	95	63	133	34	74
1919	154	42	108	185	73	131	115
1920	84	111	114	77	98	68	93
1921	63	47	97	87	50	53	70
1922	131	64	79	64	75	74	83
1923	119	70	81	59	63	64	78
1924	97	114	82	40	62	52	67
Average for 9 yrs.	106	67	96	84	74	70	84
1925	106	162	74	79	151	208	119

We have no local Maternity Home or Hospital for the reception of expectant and nursing mothers and young children.

The incidence of maternal mortality is 6 deaths in 546 births. The Medical Officer of Health and the Health Visitors make detailed inquiries in regard to maternal deaths, stillbirths and infant deaths. All the information is filed.

During the year, 159 expectant mothers have been advised, as required, at the Centres or at their homes. Of these cases all had successful confinements, no illness, no deaths resulting in any of them.

The Poor Law Authorities deal with cases of unmarried mothers, illegitimate children, and children temporarily or permanently deprived of a home with their own parents.

We have made arrangements for a supply of milk in necessitous cases. The total of free milk grants during 1925, was valued at £35 10s. Od. The applicants for this grant fill up a form; inquiries are made regarding the social conditions and income of applicants and a graded scale is worked to before any grant of free milk is made.

If any children under 5 years of age require orthopædic treatment they are sent to Queen's Park Hospital where there is a special open-air block for that purpose. Three children were sent by us for admission and treatment during 1925.

We have a Voluntary Care Committee, consisting of about 40 ladies resident in the town who interest themselves in the work of the Maternity and Child Welfare Centre. Three of this number are members of the Maternity and Child Welfare Sub-Committee. In this connection there is a Mothers' Club which meets one evening every fortnight at the Maternity Centre. A course of lectures and practical demonstrations is given. There is also a Savings Scheme in connection with the Mothers' Club.

All children have record cards and when each child attains the age of 5 years the card is transferred to the School Medical Department.

			De	aths								
Year	Puerperal Fever Notific.	Total Births			Total Puerperal Accidents or Still Births Sepsis Diseases of Births		Total Puerperal Accidents or Births Sepsis Diseases of		Births Sepsis D		Still Births	Infantile Mortality Rate
1920	3	845	4	2	58	93						
1921	1	753	0	3	39	70						
1922	1	674	0	3	30	83						
1923	4	602	2	1	3	- 78						
1924	5	636	4	3	26	67						
1925	4	546	0	6	16	119						

The maternal deaths occurring in the years 1924 and 1925, producing a high maternal mortality rate have caused me to make strict enquiries in regard to these deaths, with the object of ascertaining if any preventive means could be suggested for the future.

These enquiries give the following facts.

### In 1924,

Case A.-Placenta Prævia, hæmorrhage. Primipara.

Case B.—Ante-partum Eclampsia. Primipara.

Case C .- Puerperal Insanity. Primipara.

Case D.-Placenta Prævia, hæmorrhage.

Case E.—Puerperal Sepsis. Scarlet Fever in house.

Case F.—Puerperal Sepsis. Scarlet Fever in house.

Case G.-Puerperal Sepsis.

Case A.—This woman's sister also died from hæmorrhage at her first confinement.

Case B.—Was an In-patient Blackburn Royal Infirmary, and died there.

Case C .- Died in Queen's Park Hospital, Blackburn.

Case D.-Died in Blackburn Royal Infirmary.

Case E.—A child in this house was found by the Medical Officer of Health to be suffering from Scarlet Fever, and was occupying the same room as the deceased. This child was removed immediately to the Infectious Diseases Hospital.

Case F.—Similar to E; a child was found by the Medical Officer of Health desquamating, and gave evidence of being about the third week of illness, due to Scarlet Fever.

Case G .- No definite cause could be found to explain this case.

The seven cases were attended to as follows-

In Institutions—Cases B., C. and D.

At Home—Attended by District Nursing Association Midwives— Cases E. and G.

Attended by General Midwives-Cases A. and F.

In all these cases medical men were engaged for the confinement and also a midwife.

All the cases except Case F. represented good families, residing in good sanitary houses, situated in the best areas in the town.

In 1925.

During this year 6 maternal deaths occurred.

Case 1.—Post-partum hæmorrhage.

Case 2.—Pulmonary Tuberculosis—Acute.

Case 3.—Ruptured Ectopic Gestation, hæmorrhage.

Case 4.—Post-partum hæmorrhage.

Case 5.—Post-partum concealed hæmorrhage.

Case 6.—Dystocia, shock.

As in 1924, all these cases belonged to the comfortable middle class section of the population. In each case, a midwife belonging to the District Nursing Home was engaged, and also a medical attendant.

In Case No. 1 the family physician had the woman under his personal observation for some time previous to her confinement.

Cases No. 3 and 5 were sent to the Blackburn Royal Infirmary for surgical treatment.

From the results of all my enquiries, I am of opinion that every care and attention was given by midwives, medical men, and the Institutions, in these trying and difficult cases. Further I am convinced that none of these cases were suitable cases for a Maternity Home.

During 1924—184 Expectant Mothers attended the Ante-natal Clinics at our Centre, and the Nurses made 765 visits to their homes.

During 1925—159 Expectant Mothers attended, and the Nurses visits numbered 453.

At the Clinics and when the Nurses pay their visits, the Mothers are advised concerning their personal hygiene, the requirements for the coming event, and practical demonstrations concerning these are given. It is interesting to note that no deaths or illness occurred amongst these mothers, all passing through good confinements.

We are encouraging in every way this section of our work, and hope it will increase.

### INFANTS ATTENDING THE CENTRES.

During 1924, two hundred and fifteen babies born in 1924 attended. Seven died within 12 months, giving an infantile mortality rate of 32.5.

During 1925, one hundred and sixty-nine babies born in 1925 attended the Centre, six dying within twelve months, giving a rate of 35.5.

When it is considered that at the Centres we get many ailing babies, these rates are good and must be encouraging to the work of Health Visitors.

#### INFANTILE MORTALITY.

During the six years the decline in the number of Still Births deserves attention, and must be examined in relation to the infantile mortality on the one hand, and the number of births on the other hand.

The number of births has rapidly fallen from 845 in 1920, to 546 in 1925. The Still Births have had a more rapid fall, yet the Infantile Mortality Rate, although it gradually fell from 93 per 1,000 births in 1920, to 67 in 1924, rose to 119 in 1925, when the Still Births reached their lowest figure.

Upon examining the deaths which occur during the first month of life, and particularly during the first 14 days, one is led to the conclusion that there is a close relationship between the fluctuations of the actual still births and actual deaths, during the first few days of life. If the still births in 1925 had the same relation to the total births in 1925, as the still births in 1920 had to the births in 1920, the infantile death rate of 1925 would have been amongst the lowest of the series.

The facts are these. Of the infant deaths in 1925, twenty-three were due to congenital conditions at birth, and weakly children much under weight. Of these, 4 died within 1 hour; 8 lived over 1 hour but died within 24 hours; while 11 others died on or before the 11th day; making 23 deaths on or before the 11th day.

### OPHTHALMIA NEONATORUM.

	CASES.					
Number Notified	At Home.	In Hospital.	Vision Unimpaired.	Vision Impaired.	Total Blindness :	Deaths.
2 2		2 0 2		0	0	0

Notable Sanitary Improvements during 1925.—The conversion of pail closets to the water carriage system has further progressed.

### FACTORIES, WORKSHOPS, WORKPLACES AND HOMEWORK.

### I.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

			Nu	mber	of
Premises.	Inspectio	ns.	Writte		Prosecu- tions.
Factories (including Factory Laundries)	140		22		_
Workshops (including Workshop Laundries)	651		44	***	-
Workplaces (other than Outworkers' premises included in Part 3 of this Report)	63		1		_
Total	854		67		-

### II.—DEFECTS FOUND.

Nuisances under the Public Health Acts-

	Found	1.	Remedie	ed.	H.M Inspec	tor.	cutions
Want of cleanliness	4		4		. 1		-
Want of ventilation Overcrowding	1		1				
Want of tool			-				-
Want of drainage of floors	3		3				_
Other nuisances	23		. 22		. —		_

Sanitary accommodation—							
Insufficient	4		2		1		-
Unsuitable or defective	6		6		1		-
Not separate for sexes	1		1		-		-
Offences under the Factory and Workshop	Acts-						
Illegal occupation of underground							
bakehouses (s. 101)	1		-		1		-
Breach of special sanitary requirements for bakehouses (ss. 97 to 100)	16		16		-		
Other offences (excluding offences re-							
lating to outwork which are in- cluded in Part 3 of this Report)	-		_				
Total	-						
10ta1	59		55	***	4		
III.—HOME W	ORK	ζ.					
							n 107.
							loyers.
Nature of Work.		2	enun	Out	worke		car.
		List	s. C	ontra	ctors.	Wo	rkmen.
Wearing Apparel—Making, etc.		6			2		5
IV.—REGISTERED W	ORK	SHO	PS.				
77 77							mber.
Textile Factories							65
Non-Textile Factories							106
Factory Workshops							242
Workplaces							91
						-	
Total Workshops on I	Regis	ster					508
						_	
V.—OTHER MA	TTE	RS.					
Matters notified to H.M. Inspector of Factor	ries.					Nu	mber.
Failure to affix Abstract of the Fac	tory	and					
(s. 133, 1901)							
Action taken in matters referred by H.! under the Public Health Acts, but i Workshop Acts (s. 5, 1901)—	M. Ir	nspec	tor a	s ren Fact	ory a	ble	
Notified by H.M. Inspector							12
Reports (of action taken) sent to							16
Other							4
Underground Bakehouses (s. 101) in use							

## PARTICULARS OF DEATHS IN COTTON TRADE FROM VARIOUS DISEASES.

Borough opulation.	Trade.	No. of Employees (approx.)	Year.	Doothy	15 to 25 M <sub> </sub> F	35	4	15	65	up	ts	al	Death Rate	Boro' Death Rate	Boro'	Rate up to 15 yrs.
	Weavers	9820	1920	Respiratory Others	1	1.	. 2	1	2 3	3	2 8	7 24	1.55 3.63	13.01	2.88 10.13	2.57 12.14
39,182	Winders and Warpers	1970	1920	Respiratory			2	3	3		1	9	1.52 4.56 2.50			
	Cardroom Hands Spinners	400 300	1920 1920	Respiratory Others Respiratory	1		ï				. i	ï	0.00 6.66 16.66	***		
				Others		-	-	1-	1	-	-	-		11.55		0.00
38,790	Weavers	9100	1921	Respiratory Others Respiratory	2	1 1 2 1		1, 3	9 8	8	3 22		1.64 3.95 0.53	11.57	2.42 9.15	3.28 9.14
	Winders and Warpers Cardroom	1860	1921	Others Respiratory		1	3	. 1	[			III	5.91 2.50			
	Hands Spinners		1921 1921	Others Respiratory Others									2.50 0.00 16.66			
	Weavers	9000	1922	Respiratory Others	1	1 2	2	1 4		1 4	11:	9	2.44	14.45	4.09 10.36	4.71 9.85
38,800	Winders and Warpers	1800	1922	Respiratory Others	y	ī	2.			2	3	. 8	1.11 4.44			
	Cardroom Hands	20000	1922 1922	Respirator Others Respirator		1				1			5.00 5.00 3.33			
	Spinners	. 300	1044	Others						1			3.33			
38,980	Weavers	1000000	1923	Respirator Others	y	5 1 3 1	3.	. 4	10		5 2			13.54	3.49 10.05	2.57 10.14
	Winders and Warpers Cardroom		1923	Respirator Others Respirator			1.			2	2	. 3				
	Hands Spinners		1923 1923	Others Respirator	.,				1.				3.33			
		-		Others	-	-	-	-			-	4			***	
39,060	Weavers Winders and		1924	Respirator Others Respirator	. 3		7	2 2 6	7	5 11	42	5 26	5.66	14.90	3.52 11.38	2.75 6.37
	Warpers Cardroom		1924	Others Respirator		1	1.			3	3	8	4.65 5.00			
	Hands Spinners		1924 1924	Others Respirator Others	y		1				1	. 1	2.50 3.33 13.33			
20.050	Weavers	9000	1925	Respirator	y	5 2	3	4 5	2	1 3	31	114	2.77	14.13	4.01	4.75
38,850	Winders and Warpers		1925	Others Respirator Others	y	3	144	3			2 1	1	0.58		10.12	9.25
	Cardroom Hands		1925	Respirator Others	y	,				1			2.50			
	Spinners	. 200	1925	Respirator Others	y			1	1			1	5.00	1		

Child Population (estimated) 8,000. (Birth to age 15 years).

## 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. A report, giving all details of readings, is sent each month to the Meteorological Office, London.

The total rainfall for the year is 1339.1 millimetres, or 52.72 inches being recorded on 227 days; the average for the last nineteen years being 55.32 inches. The greatest monthly fall was in February 228.3 millimetres; and the lowest in June 6.6 millimetres. The greatest daily fall was 39.8 millimetres, on August 21st.

The total sunshine registered on 277 days during the year was 1204.2 hours, the average for nineteen years is 1143.0 hours. June registered the highest monthly total, 237.5 hours; and January the lowest, 29.1 hours. The highest daily reading was 13.1 hours, on June 9th.

The mean minimum temperature in shade was 40.5°, being equal to the average for the last nineteen years, which was 40.5°. The lowest monthly mean was in December, 31.5°, and the lowest reading for the year 23.1°, on December 2nd.

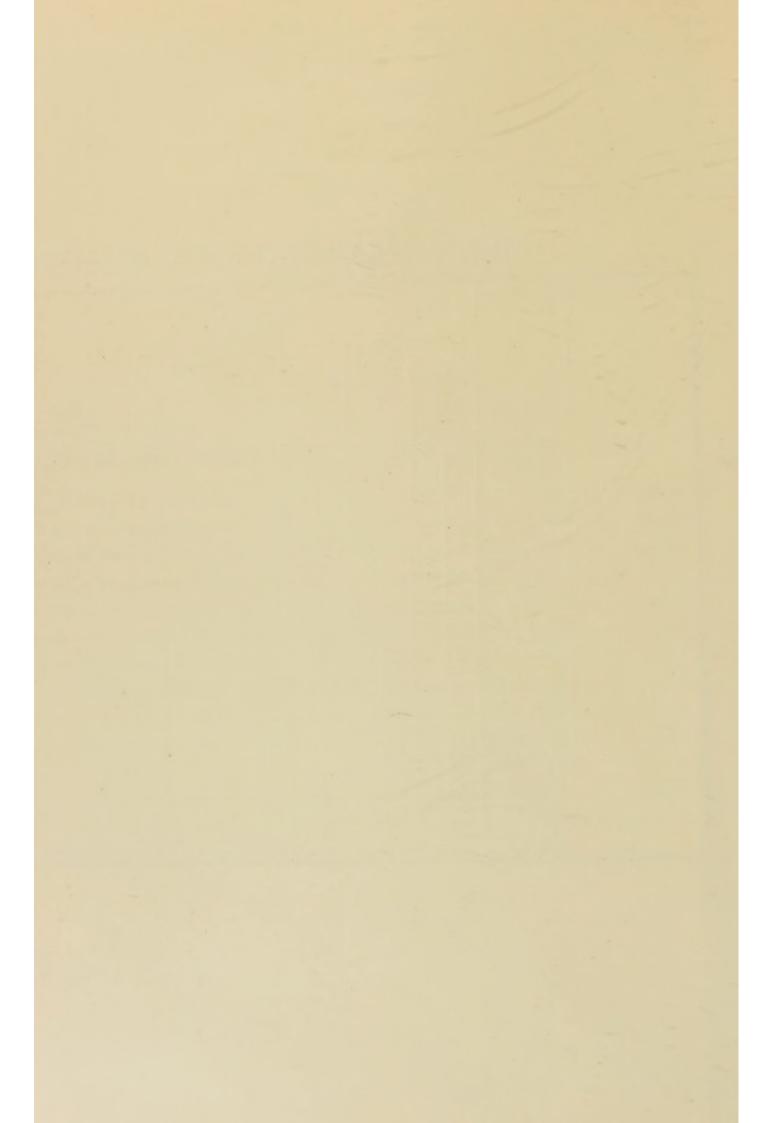
The maximum wind velocity was on December 31st, when a West South-West wind was blowing at the rate of 54 miles per hour.

No observations of calm were recorded, 29 observations of snow, 17 observations of hail, 7 observations of thunder, thunderstorm on 11 days, 31 observations of hoar frost, 153 observations of mist, 103 observations of ground frost, 7 observations of snow lying, 61 observations of fog, 3 observations of gale, 87 observations of dew, 2 observations of wet fog, and 1 observation of lightning.



## MEAN METEOROLOGICAL READINGS FOR 1924 AND 1925.

								Th	ermo	mete	ers.																						
											Ea	rth.															Vinal	Div	ontin	. 10	10.5		
	Baron		Ma		Min		Mea	n.	1 F	oot.	4 F	eet.	10 1	Feet.	Wa	iter.		lu- dity.		shine urs).		ain .m.)		ind ocity.		Wind Direction, 1925.							
MONTH.	1924 ins.	1925 ins.	1924	1925	1924	1925	1924	925	1924	1925	1924	1925	1924	1925	1924	1925	192	1925	1924	1925	1924	1925	1924	1925		N.E.	E.	S.E.	8.	s, w	. w.	N.W.	Ch
January	29,904	30.13t	41.9	43.4	34.3	35.3	38.1	39.3	37.3	38.5	39.6	42.1	43.3	45.6	40.7	41.6	85	83	24.7	29.1	109.7	104.2	13	15	0	0	3	4	26	9	17	3	0
February	30.068	29.545	39.7	42.7	32.1	33.1	35.9	37.9	37.2	38.1	39.9	41.0	42.8	44.0	40.1	40.7	82	84	33.1	41.4	38.6	228.3	13	14	0	0	0	2	17	13	22	2	0
March	29.894	30.199	44.4	43.4	30.9	33.6	37.5	38.5	36.7	39.3	38.3	40.2	41.7	43.0	39,5	41.6	72	80	134.1	83.1	53.4	63.1	11	13	9	7	1	0	1	5	29	10	0
April	29.872	29.833	48.4	49.8	35,0	36.5	41.7	43.1	42.6	44.6	40.6	42.7	41.6	43.1	43.3	44.0	77	75	123 8	137.6	64.3	86.9	11	14	1	7	2	2	17	6	19	6	0
May	29.828	29.753	56.5	57.8	43.1	43.5	49.8	50 1	50.9	51.6	45.8	46.7	43,1	44.5	47.3	48,1	80	79	125.8	119.3	179,6	128.8	10	10	0	1	4	4	15	17	20	1 -	0
June	29.989	30.150	61.7	68.3	47.4	48.3	51.5	58.3	57.5	60.7	51.2	53.0	46.3	47.3	51.0	51.7	80	73	126.9	237.5	90.1	6.6	11	9	8	4	1	2	2	3	28	12	0
July	29.845	29.924	63.5	69.3	50.1	52.2	56.9	80.7	59.2	62 0	51.4	55.9	49.2	50.0	52.5	53.8	80	79	130.4	144.7	145.2	69.4	12	10	0	10	6	2	8	5	27	4	0
August	29.793	29.952	61.1	65.2	49.5	51.2	55.3	58.2	58.1	60.3	55 2	56.6	51.3	52.2	52.1	53.6	85	83	114.2	124 5	238.8	141.6	11	9	2	3	2	4	11	12	22	3	0
September	29.765	29.937	59.1	56.6	48.2	45.0	58.6	50,8	55.0	53.9	54,3	54.4	52.0	52.9	50.9	50.5	83	83	91.2	101.5	146.6	137.8	13	10	1	0	1	1	12	8	23	14	0
October	29.880	29.855	53.5	54.2	43.5	43 4	48 5	18.8	49,2	50.0	51.0	51.3	51.4	51.6	48.1	48.7	84	84	96.4	64.3	140.7	170.5	11	10	0	6	0	-6	14	10	21	7	0
November	30.038	29.985	47.5	42.1	39.0	32.7	43.2	37.4	43.6	38.9	46.9	46.0	49.4	49.8	45.1	42.4	83	79	49.5	82.0	91,9	110.9	11	8	9	8	6	8	12	3	10	4	.0
December	29.350	29.717	45.8	39.5	38.9	31.5	42.3	35.5	42.4	34.5	45.0	39.6	47.4	45.9	45.0	39,6	86	84	11.6	39.2	193.5	91.0	14	12	1	2	5	0	12	13	16	13	0
Totals																	***	***	1061.7	1204.2	1486.4	1339.1			31	48	31	33	150 1	04 2	254	79	0
Mean	29.893	29 915	51.9	52.6	41.0	40.5	46.8	16.5	47.4	47.7	46.8	47.4	46.6	47.4	46.9	46.3	81	80	88.4	100.3	123.8	111.5	11	11	333							133	



# REPORT

OF THE

## Sanitary Inspectors

FOR THE

Year ending 31st December, 1925.

### PUBLIC HEALTH OFFICE,

DARWEN,

March, 1926.

### To the Chairman and Members of the Health Committee.

GENTLEMEN,

I have the honour to submit my 35th Annual Report as Sanitary Inspector for the year ending December 31st, 1925.

The districts covered by the report are the Central, South-East and South-West Wards.

The undermentioned table gives the area, number of houses and population:—

	Area in Acres.	Houses.	Estimated Population.
CENTRAL WARD		400	
SOUTH-EAST WARD	1900	 1783	 6873
SOUTH-WEST WARD	1980	 1719	 6144

#### NUISANCES.

The number of complaints of nuisances, etc., received during 1925 was 144, in 1924 the total was 115. The complaints were chiefly from offensive smells, choked W.W. closets, etc., and were remedied as soon as possible.

### NUISANCE INSPECTION.

The following is a summary of work done during 1925-

	Una- bated	Number	Num Notices	ber of Served.	Res	ult of Se	rvice of No	tices.
Nature of Inspections.	Dec. 31 1924.	Inspec-	Legal.	Prelim-	Nuisan-	Remain- ing in	Prosecu	tions.
	A.Vacil.		no <sub>5</sub> un	inary.	abated.	hand.	Instituted.	Pending
Dwelling Houses		1479	273	402	540	93		
Houses under Housing, &c., Acts		68	8	32	32	2		
Factories and Workshops		250	2	23	20	2		
Bakehouses		149	2	4	- 3			***
Dairies and Cowsheds		121	19	6	24			
Smoke Observations		44						
Infectious Diseases	***	92					***	***
Refuse Tips		101			***		***	
Elementary Schools		27	***	***	12	***	***	***
Nuisances—	***	Number Discovered	***		14	***	***	
Defective Drains	1	64	14	44	59	6		
Uneven Slop Gullies	6	17	6	15	17	4		
Defective W.C.'s	3	32	8	23	31	4		
Defective Downspouts and					0.			
Easing Troughs,	14	131	25	124	119	26		
Insanitary Yards	2	2		2	2			***
Dirty Houses	2	29	22	27	22	9		***
Dirty Closets	2	7	2	4	8	1	***	
Accumulations of Refuse		76	13	73	88	4		***
	-			100	1000	-	***	***
Nuisances from Animals	***	2	1	1	2	***		
Insanitary Ashpits	***	3		3	3	***		***
Ashes Tubs without Covers	4	23	9	20	22	5		***
Broken Sloppipes		23	12	19	22	7		***
Choked Waste Water Closets		30	7	25	31	***	***	
Broken Ashtubs	3	2	1	5	5			***
Dangerous Closets, Walls, &c	1	3	1	1	4			
Insanitary Urinals		1	1	1	1			
Insufficient Closet Accommt'n	1	1		1	2			
Broken Yard Doors, &c	4	29	12	29	- 28	3		
Insufficient Ventilation		1	1	1	1			
Defective Roof		8	2	4	6	2		
Defective Window		11	2	5	10	1		
Insanitary Manure Pits		3	ī	2	2	1		
Pail Closets	***	143	140	-	120	20		
	9	6	1	5	7	2		
Miscellaneous	3	0	1	0	1			***

# PAIL CLOSET CONVERSIONS. DARWEN CORPORATION ACT, 1899.

The conversion of pail closets has taken up a considerable time of the work in the district.

Statutory and preliminary notices were served to abolish pails and convert to water carriage system and the number converted was as follows—

	Central Ward.	South-Ea Ward.		Total.
Waste Water Closets Converted	6	 2	 6	 14
Pail Closets Converted	92	 . 17	 9	 118

The whole of the pail closets in Central Ward have been abolished.

Sixty-six new W.C.'s have been constructed.

Sixty-one Baths have been provided together with a number of wash-basins, etc.

One hundred and two agreement forms were signed in the Health Office for work to be carried out by the Highways Department in the district—

	No.
To Convert Pail Closets	24
To Open Choked Waste Water Closets	23
To Repair Defective Drains	20
To Connect Downspouts to Sewer	8
To Open Choked W.C.'s	7
To Contruct New Drains	13
To Convert Waste Water Closets to W.C.'s	6
To Remove Refuse	1

### INFECTIOUS DISEASES.

The number of notifications received were 92 in 1925, in 1924 they were 72, and in 1923, the total was 219.

The following table gives a list of notifications in the three Wards for 1924-1925—

WARD	Scarlet	Fever	Twohoid	Fever		Diphtheria	1	Erysipelas	Pnarmaral	Fever		Consumption		Ophthalmia		Pollomyenus		r neumonia	Threamhalitie	Encepnancia	
Central	S 1925	6 1924	0 1925	C 1924	1925	0 1924	0 1925	1981	1925	1924	1925	1924	1925	1924	1925	1954	1925	1924	1025	1924	
South-East	5	6	0	0	0	0	2	0	0	2	2	5 8	0	0	0	0	16 11	5 10	0	3	
South-West	4	7	2	0	0	2	2	0.	2	1	9	8	0	1	0	0	19	2	0	0	

As soon as possible after the notification has been received the houses are visited and all particulars regarding the patient and premises are obtained. Verbal and printed instructions are given to those in charge of the patient to prevent the spread of the disease.

In case of removal of the patient to Hospital or on the recovery of the case the rooms are fumigated and bedding removed for disinfection.

During the year five cases of Scarlet Fever and two Typhoid Fever cases were removed to Hospital.

Number of cases Visited	70
Number Disinfected	54
Number of Beds Disinfected	38

Where children are attending school from an infected house notices are sent to the Education Office, the Headmaster of the School and the Public Library.

### BLACK SMOKE.

During 1925 I took 44 smoke observations, each of one hour's duration.

The time limit in force in the Borough is-

1, 2 or 3 Boilers ...... 5 minutes per hour.

Over 4 Boilers ...... 7 minutes per hour.

The following is a summary of observation-

Chimneys observed, 22. Number of observations, 44.

	Black.	Moderate.
Amount of smoke in minutes	133	 802
Average amount in minutes	3	 18

The average in the previous 5 years was-

	1920.	1921.	1922.	1923.	1924.
Minutes	2	23	31	3	3

The following is a list of Boiler Stoking Apparatus, etc., in connection with works in the district—

Name of Works	Trade	Boilers	Fires	Size of Boiler	Stoking Apparatus	Economiser
Albert Mill	Cotton Spinning	2	4	30ft. x Sft.	Hand	Greens
Bowling Green	Weaving	3	6	30ft. x 8ft.	Procters	Greens
Britannia	Weaving	2	4	30ft. x 8ft.	Procters	Greens
Culvert	Dyeing	1	2	24ft. x 7ft. 6in.	Hand	none
Cotton Hall (Whipps)	Weaving	1	2	28ft. x 8ft. 6in.	Benniss's	Greens
Darwen Spinning	Spinning	2	4	30ft. x 8ft.	Hand	Greens
Darwen Paper	Paper	10	18	32ft. x 8ft. 6in.	Hodkinson	Greens
Ellenshaw	Weaving	1	2	30ft. x 8ft.	Hand	Greens
Ellison Fold	Laundry	1	1	18ft. x 6ft. 6in.	Hand	none
Greenfield, Old	Weaving	1	2	30ft. x 8ft. 6in.	Procters	Greens
Greenfield, New	Weaving	1	2	30ft. x 8ft. 6in.	Procters	Greens
Hampden	Weaving	1	2	30ft. x 8ft. 4in.	Procters	Greens
Highfield	Weaving	1	2	28ft. x 7ft.	Hand	none
Hanover	Weaving	1	2	28ft. x 7ft. 6in.	Hand	Greens
Holme	Weaving	1	2	30ft. x 8ft. 6in.	Procters	Greens
Норе	Weaving	2	4	30ft. x 8ft.	Proctors	Greens
India Mill	Spinning	4	8	30ft. x 9ft.	Hand	Greens
Marsh House	Weaving	1	2	30ft. x 8ft.	Hand	Greens
No. 1 Spinning	Spinning	2	4	30ft. x 7ft. 6in.	Whittakers	Greens
New Mill	Weaving	2	4	30ft. x 8ft. 3in. 30ft. x 7ft. 6in.	Procters	
New Bridge	Weaving	1	2	30ft, x 7ft.	Whittakers	Greens
Newton Street	Laundry	1	1	7ft, 6in x 3ft, 6in	Hand	none
erseverance	Weaving	1	2	30ft. x 8ft.	Hand	Greens
Primrose	Weaving	1	2	30ft. x 8ft.	Procters	Greens
rogress	Weaving	1	2	30ft x 7ft.	Procters	Greens
Premier	Weaving	1	2	30ft. x 8ft. 6in.	Procters	Greens
Pipe Works, Hoddles'n	Sanitana Dinas			( 30ft, x 8ft,		
The morks, Hollules II	Sanitary Pipes	3	6	30ft. x 7ft. 6in.	Hand	Greens
Rose Mill	Weaving	1	2	( 19ft. x 6ft. 30ft. x 8ft.	Decetors	
Rosehill	Soap	1	ī	14ft- x 6ft.	Procters Hand	Greens
pringfield (Sough)	Weaving	î	2	28ft. x 8ft. 6in.	Hand	none
pring Vale	Paper	5	10	30ft. x 8ft. 6in.	Vicars	Greens
udell Side	Weaving	1	2	28ft. x 8ft.	Procters	G eens
tarkie Street		î	2	28ft. x 8ft.		Greens
outh Street	Weaving	î	2	33ft. x 9ft. 6in.	Procters Hand	Greens
unny bank	Laundry	1	1	16ft, x 5ft, 6in.	Hand	Creens
outh End	Weaving	î	2	32ft. x Sft. 6in.		
t. Paul's, Hoddlesden	Weaving	1	2	30ft. x Sft.	Procters	Greens
ackfield	Weaving	1	2	30ft. x 8ft.	Proctors	Greens
Wo Gates	Weaving	1	2	27ft, x 7ft, 6in.	Hand	none
ale Brook	Weaving	i	2	30ft, x 7ft.	Proctors	Greens
ale Rock	Weaving	1	2	25ft. x 8ft.	Proctors	Greens
Vaterfield	Weaving	1	2	30ft. x 8ft.	Hand	Greens
Vhitehall	Weaving	1	2	30ft. x 8ft.	Benniss's	Greens
				0.10. A 010.	Procters	Greens

## DAIRIES, COWSHEDS AND MILKSHOPS ORDER.

The number of inspections made to Farms and Dairies during 1925 was 121.

There are 54 Farms within the South-East and South-West Wards. Fifty are used for the housing of cattle and 4 are used for the rearing of young stock, pigs or poultry.

The water supply on the farms is fairly good and the utensils, milkcans and water troughs have been kept clean, although in two or three cases I have had to complain of the water troughs and the cattle requiring cleansing.

On October 30th a case of Foot and Mouth Disease broke out at Stand Farm, Hoddlesden. Twenty head of cattle were destroyed and burnt, and the whole of the farm buildings, etc., were thoroughly disinfected.

Owing to the vary stringent regulations relating to the movement of cattle, the siding at Darwen Station where cattle arrived for slaughter was inspected every few days and recommendations were made to the Railway Co. for alterations to be made to the siding for better cleansing purposes.

The following Nuisances were remedied-

Repairs to Windows in Dairy	5	New Dairy provided	1
Additional light in Shippon	1	Repairs to Shippon Roof	2
Repairs to Downspouts	5	Repairs to Shippon Doors, etc	2
Repairs to Manure Pit	2	To Limewash and Cleanse	2
Repairs to Shippon Stalls	2	Repairs to Drains	2

### HOUSING STATISTICS.

INSPECTION, &c.

### Unfit dwellinghouses-

1479	Public Health or Housing Acts)	(1)
68	No. of dwellinghouses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910, or the Housing Consolidated Regulations, 1925)	(2)
0	No. of dwellinghouses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	(3)
0	No. of dwellinghouses (exclusive of those referred to under No.  3) found not to be in all respects reasonably fit for human habitation	(4)

### REMEDY OF DEFECTS WITHOUT THE SERVICE OF FORMAL NOTICES.

No.	of defective	dwellinghouses rendered fit in consequence of informal	
	action by the	Local Authority or their Officers	(

## ACTION UNDER STATUTORY POWERS.

A.—Proceedings under Section 3 of the Housing Acts, 1925—	
No. of dwellinghouses in respect of which notices were served requiring repairs	0
2. No. of dwelling houses which were rendered fit after the service of formal notice	0
(a) By owners	0
(b) By Local Authority in default of owners	0
3. No. of dwellinghouses in respect of which closing orders became operative in pursuance of owners declaration to close same	0
B.—*Proceedings under the Public Health Acts—	
No. of dwellinghouses in respect of which notices were served requiring defects to be remedied	21
No. of dwellinghouses in which defects were remedied after service of formal notice	21
(a) By owners	21
(b) By Local Authority in default of owners	0
C.—Proceedings under Section 11, 14 and 15 of the Housing Act of 1925—	
No. of representations made with a view to the making of closing orders	0
2. No. of dwellinghouses in respect of which closing orders were made	0
3. No. of dwellinghouses in respect of which closing orders were determined, the dwellinghouses having been rendered fit	0
4. No. of dwellinghouses in respect of which demolition orders were made	0
5. No. of dwellinghouses demolished in pursuance of demolition orders	0

D.—No. of dwellinghouses demolished voluntarily by owners or converted to workshops

0

\* Refers only to action taken in reference to housing defects. Notices with regard to drainage and other defects should be included under Sanitary Inspections.

### FACTORIES AND WORKSHOPS.

Under the Factories and Workshops Acts, 1901 to 1907, it is the duty of the Local Sanitary Authority to enforce the Sanitary provisions relating to Workshops.

The following is a copy of the table required to be furnished to the Home Office—

FACTORIES, WORKSHOPS, WORKPLACES AND HOMEWORK.

### I.—INSPECTION

Including inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.	Inspect	ions	No. o Writte Notice	n	No. of Prosecu- tions.
Factories (including Factory Laundries)	3	30	 4		-
Workshops (including Workshop Laundries)	33	30	 20		-
Workplaces (other than Outworkers premises in	1-				
cluded in Part 3)	1	5	 _		_

### II.—DEFECTS FOUND.

### \*NUISANCES UNDER PUBLIC HEALTH ACTS.

						rred to	
				H.M	. Insp	ector	Prose-
	Foun	d. Re	medie	d. of	Factor	ries.	cutions.
Want of Cleanliness							
Want of Ventilation							
Overcrowding	-				-		-
Want of drainage of floors							
Other nuisances	9		8		-		-
Sanitary Accommodation—							
Insufficient	1-		1		_		_
Unsuitable or defective							
Not separate for sexes	-		-		-		-

	Referred to	
	H.M. Inspector	Prose-
Found.	Remedied. of Factories.	cutions.

	found. Remedied, of Factories, Cutions,
Offences under F. and W. Acts-	
Illegal occupation of underground	
bakehouses	
Breach of special sanitary requirements	
for bakehouses (s.s. 97 to 100)	
Other offences (excluding offences relat-	
ing to outwork and offences	
under the Sections mentioned	
in the Schedule to the Ministry	
of Health Factories and Work-	
shops Transfer of Powers	
Order, 1921)	
* Including those specified in Sections 2, 3, shops Act, 1901, as remediable u	
III.—HOME WO	ORK.
OUTWORKERS LISTS.	SECTION 107.
Lists received from Employers ser	nding twice in the year.
	Outworkers.
	ts. Contractors. Workmen.
Dressmaking 2	1 2
IV.—REGISTERED W	OBVEHORS
IV.—REGISTERED W	No.
Textile Factories	
Non-Textile Factories	
Factory Workshops	
Workshops	
Workplaces	
•	-
Total Workshops or	n Register 170
V.—OTHER MAT	TTERS.
MATTERS NOTIFIED TO H.M. INS	PECTOR OF FACTORIES.
Fai'ure to affix Abstract of the Factory and	Workshop Act (e. 122 1001)
Action taken in matters referred by the	Workshop Act (s. 133-1901) 0
Action taken in matters referred by the H.	M. Inspector as remediable
under the Lubile Health Acts but not	
shops Acts (Section 5, 1901)	under the Factory and Work-

Notified by H.M. Inspector			2
Reports of action taken sent to	H.M.I.		3
Other			2
Underground Bakehouses (s. 101)	) in use	at the end of the year	2
The following gives a list shops in the district—	of the	various trades carried on in the Worl	k-
Confectioners	30	Wheelwright	2
Boot, Shoe and Clogs	24	Tinplate Works	1
Smiths	3	Clog Iron Maker	1
Firewood Dealers	3	Plumbers	6
Waste	3	Slay Maker	1
Stocking Knitters	2	Wagon Repairer	1
Cabinet Maker	2	Quarries	2
Fertilizer Works	1	Reed Maker	1
Bakers	5	Hay Chopping	3
Dressmakers	16	Tailors	9
Wood Turner	1	Mineral Works	1
Laundries	3	Iron Foundries	2
Cycle Repairer	1	Dye Works	2
Painters	4	Pipe Works	2
Soap Maker	1	Dry Soap Works	1
Rope Maker	1	Tarpaulin Maker	2
Joiners	13		

### ELEMENTARY SCHOOLS.

Inspections were made at the varoius Day Schools within the district. Particulars of all nuisances and defects were sent to the Secretary of Education and the matters remedied.

The following is a list of nuisances abated-

Defective Drains	2
Defective Downspouts	4
	3
Defective Urinals	2
Accumulations of Refuse	1

### INSPECTION OF FOOD.

The Fish and Fruit Market and Wholesale Market are continually under observation and periodical inspections are made to premises where all kinds of meat and foods are prepared for sale for human consumption, special attention has been given to Chip and Fish Shops and premises were Ice Cream is made. The following is a list of food condemned as unfit—

1 cwt. 2 qrs. 21 lbs. Sheep Feet.

42 lbs. Pears.

142 lbs. Graylings.

100 lbs. Apples.

50 Rabbits.

92 lbs. Beef.

### PUBLIC BUILDINGS, CINEMAS, ETC.

The several Public Buildings and Cinemas have been periodically inspected and at some of the buildings sanitary defects have been remedied.

### SHOP HOURS ACT.

A number of inspections were made on the Market Ground and various parts of the Borough.

Special reports on Dairies, Cowsheds, Shops, Schools, etc., have been submitted to the Health Committee every month together with recommendations for the serving of Statutory Notices under the various Public Health Acts.

I am, Gentlemen,

Your obedient Servant,

WILLIAM E. MARSDEN, C.R.S.I., M.I.S.A., Etc.

## PUBLIC HEALTH OFFICE, DARWEN, 28th MARCH, 1926.

#### NORTHERN DISTRICT.

### To the Chairman and Members of the Health Committee.

GENTLEMEN,

The following is a brief summary of the work carried out by me during the year ending December 31st, 1925. The district is comprised of North-East, North-West and West-Central Wards. During the year 21 new houses were erected by private enterprise and certified, 12 in North-East Ward, 7 in North-West Ward, and 2 in West-Central Ward. At the end of the year there were several houses in course of erection in Laurel Avenue and Hector Road.

The following Table shows number of houses, etc .-

	Houses, 1925.	Estimated Population, 1925.
WEST-CENTRAL WARD	907	 3485
NORTH-EAST WARD	2325	 9044
NORTH-WEST WARD	1942	 6970
	5174	 19499

#### HOUSING CONDITIONS.

Total number of Houses inspected for housing defects (under Public Health or Housing Acts)	670
Number of Dwellinghouses which were inspected under the Housing (Inspection of District) Regulations, 1910	85
Number of Dwellinghouses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	70
Number of Dwellinghouses (exclusive of above mentioned) found not to be in all respects reasonably fit for habitation	17
REMEDY OF DEFECTS WITHOUT SERVICE OR FORMAL NOTICES.	
Number of defective Dwellinghouses rendered fit in consequence of informal action by the Local Authority or their Officers	12

## B.—PROCEEDINGS UNDER PUBLIC HEALTH ACTS. Number of Dwellinghouses in respect of which notices were served requiring defects to be remedied ..... 17 Number of Dwellinghouses in which defects were remedied-2. 10 (a) By Owners ..... (b) By Local Authority in default of owners ...... 0 C.—PROCEEDINGS UNDER SECTIONS 11, 14, 15 OF THE HOUSING ACT, 1925. Number of representations made with a view to the making of 1 closing orders ..... Number of Dwellinghouses in respect of which closing orders were 0 made ...... Number of Dwellinghouses in which closing orders were determined, the Dwellinghouses having been rendered fit ..... 0 Number of Dwellinghouses in respect of which demolition orders were made 0 Number of Dwellinghouses demolished in pursuance of demolition orders (Housing and Town Planning Act, 1909) ..... 1 D.—Number of Houses demolished voluntarily by owners or converted to workshops ..... 2

# HOUSING OF THE WORKING CLASSES ACTS, 1890-1924. BURY STREET AREA.

On June 5th, 1924, the Medical Officer of Health made an official representation to the Council regarding the above area. The Council subsequently presented a petition to the Minister of Health under the above-mentioned Acts for an order confirming a scheme made by them for the improvement of the area, the boundaries of which were fully described. The Minister of Health directed a public local enquiry into the subject matter of the petition. Inspector H. A. Chapman, Esq., F.R.I.B.A., held the enquiry in the Municipal Buildings, Darwen, on Thursday, February 26th, 1925, and afterwards inspected the properties in the district.

At the enquiry full particulars were supplied regarding the structural condition of each of the 66 dwellinghouses and 19 other buildings. The reports gave full particulars and measurements of all rooms, floor space, area of windows, street measurements, sanitary accommodation, etc. All defects in buildings, etc., were carefully enumerated and plans were submitted.

Much information was also given regarding the condition of the health of the occupants, nature of employment, distance from place of employment or school, etc., etc. This scheme entailed a great deal of labour and time.

The Plan of the Area in colours giving the result of the enquiry is presented with the Medical Officer's Report.

#### DIRTY HOUSES.

In the monthly reports submitted to Committee, details were given of certain Houses situated in Green Street, Hutchinson Court, Noble Street, Shorrock Fold, William Street, Bury Street, Robert Street, Back Richard Street and Back Duckworth Street, which were found to be in a filthy condition. Preliminary and statutory notices were served upon the occupiers, and the cleansing was ultimately done to our satisfaction.

#### CENERAL INSPECTION OF DISTRICT.

In accordance with your instructions and the general order of the Ministry of Health, 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.

Total number of Nuisances discovered	567
Letters written respecting Nuisances	98
Informal Notices served respecting Nuisances	547
Statutory Notices served respecting Nuisances	209
Number of Re-inspections	1555
Number of Nuisances abated (including outstanding nuisances from previous year)	504
Number of Houses and Premises inspected	1670
Number of Inspections of Refuse Tips	69
Number of Inspections of Schools, etc.	59
Complaints received and investigated	130
Number of Drains, Water Closets, etc., Tested	21
Number of Smoke Observations Taken	60
Number of Inspections of Factories and Workshops	372
Number of Lodging Houses	52
Number of Inspections of Bakehouses	107
Number of Samples purchased (Sale of Food and Drugs Acts)	15

	1	Notices	Served.	V7	Nuisances	D	
Number and Nature of Inspections made.	Number Inspections.	Statutory.	Informal.	Nuisances Abated.	remaining in band.	Prosecutions instituted	
Dwelling Houses	1670	209	547	504			
Planning Act)	85	7	27	19	7		
Schools and Public Buildings			8	8			
Factories and Workshops	372		27	27			
Dairies and Cowsheds			16	14	2		
Smoke Observations		2	2	2			
Bakehouses			16	16			
Lodging House	52						
Refuse Tips							
Infectious Diseases—							
Cases Visited	104						
Rooms Disinfected	80						
Loads of Bedding Disinfected	53					***	
Nuisances-	Discovered		1				
Defective Drains and Slop Pipes	77	42	77	70	- 7		
,, Slop Gullies	35	25	35	30	5		
Call Disco W Class		12	22	- 19	3		
Troughs & Downspouts		70	146	140	9		
Insanitary Yards		4	18	16	2		
Dirty Houses, etc	37	19	37	30	7		
Dirty Closets	5		5	5		***	
Accumulation of Refuse	60		60	42	18		
Nuisance from Animals	4		4	4	300	***	
Dangerous Buildings	20		20	18	2	***	
Broken and uncovered Ashtubs	16	8	16	12	4	***	
Choked Waste Water Closets	36		36	36	Ô		
Insufficient Ventilation of Rooms	26	12	26	23	3		
Choked Sewers	7		7	7			
Burst Water Pipes	18		10	18		***	
Insufficient Water Supply	4		4	3	ï	•••	
Conversion of Pail Closets to	-			0	-	***	
Water Carriage System	15	15	15	15			
Conversion of Waste Water				10	***		
Closets to Water Closets	9	0	0	9	3		
Dry Rot in Room Floors	2	2	2	2		***	
Defective Gas Pipes	5	ō	5	4	1		
Miscellaneous	2	0	9	1	1		
			-	1	1	***	

## INFECTIOUS DISEASES.

One hundred and four cases were notified, which were distributed as follows:—18 in West-Central Ward, 47 in North-East Ward, and 39 in North-West Ward. Immediately upon receipt of notification of the existence of these cases, the houses were visited and a thorough examination of the premises made, any defects in the drainage, sanitary arrangements, etc., I caused to be remedied as quickly as possible. Sixteen patients suffering from Scarlet Fever, one from Erysipelas, and one from Enteric Fever, were removed under my supervision to Bull Hill Hospital. The rooms previously occupied by the

patients were thoroughly cleansed and disinfected. During the year 80 rooms were fumigated and 53 loads of bedding, etc., disinfected. A complete list of the number of cases of infectious diseases in the various wards is included in the Medical Officer's Report.

#### BLACK SMOKE NUISANCE.

Sixty observations were taken, each of one hour's duration.

The following Time Limit is in force in the Borough—
One, Two or Three Boilers ... 5 minutes' Black Smoke per hour.
Four or more Boilers ....... 7 minutes' Black Smoke per hour.

In two instances the Time Limit was exceeded and Statutory Notices were served upon the occupiers of the mills calling for abatement of the nuisance.

The following Table of Analysis of Observations shows the average amount of Black Smoke emitted in minutes per hour during the last 10 years—

1925	1924	1923	1922	1921	1920	1919	1918	1917	1916
9 58	2.27	2.56	2.54	2.73	3.40	3.0	2.70	2.24	2.36

Advantage has again been taken of the mills being closed owing to trade depression and holidays, etc., to carry out repairs of boilers, economisers, stokers, etc. Owing to trade depression several mills have been closed for varying periods during the year and other mills have provided partial employment only.

## PARTICULARS OF THE BOILERS, ETC., AT THE VARIOUS FACTORIES IN THE NORTHERN DISTRICT.

	NAME OF	No. of Boilers	No. of Fires	Size of Boiler	Kind of Mechanical Stoker, etc.	Kind of Economisers	Remarks
	FACTORY	7		7			
A	naglypta	2	2	each 28ft. x 7ft. 6in.	Benniss's, Self-feeding, Movable Bars	Greens	Superheaters fixed Also Electric Power
A	nchor	1	2	30ft. x 8ft, 0in.	Benniss's, Self-feeding Movable Bars	Greens	
B	ank Top	1	2	32ft. 6in. x 9ft,	Proctors, Crossthwaite Bars	Greens	Superheaters
B	arley Bank	1	2	32ft. x 8ft.	Proctors	Lawcocks	
	elgrave			32ft, x 8ft, 6in.	Hand Fired, (Bennets Bars)	Greens	
B	elgrave			32ft, x 8ft.	Benniss's Movable Bars	Greens	
В	rookside og Height Brick	1	2	32ft, x 7ft, 6in.	Proctors, Self-feeding, Movable Bars	Greens	
	Works.	1	2	30ft, x 7ft, 6in,	Hand Fired	none	
B	lottom Croft	2	2	each 30ft. x 8ft.	Hand Fired, Crossthwaite Bars	Greens	
C		2	2	each 28ft. x 7ft. 6in.	Benniss's Self-feeding, Movable Bars	Greens	Superheaters
0	lobden	1	2	30ft. x 8ft.	Proctors, Movable Bars	Greens	
	otton Hall, Spinning			each 32ft. x 9ft.	Benniss's Stoker, Movable Bars	Greens	
(	Cotton Hall, Weaving	1	2	30ft. x 8ft	Proctors, Movable Bars	Greens	
T	love	1	2	30ft x 7ft. 9in.	Hand Fired	Greens	

# PARTICULARS OF THE BOILERS, ETC., AT THE VARIOUS FACTORIES IN THE NORTHERN DISTRICTS—Continued.

		-	ACCESS III			
NAME OF FACTORY	No. of Boilers	No. of Fires	Size of Boiler	Kind of Mechanical Stoker, etc.	Kind of Economisers	Remarks
Earnsdale Waste Works	1	1 2	16ft. 6in. x 5ft. 30ft. x 9ft.	Hand Fired Hand Fired	none Greens	Also Electric Power
Electricity	3	2	each 30ft. x 8ft.	Yates & Thom's Bar Proctors, Movable Bars Hand Fired	Greens	Generally only 2 boilers working
Gas Works		2	each 26ft. x 7ft. 6in. 30ft. x 7ft. 6in.	Meldrums Furnace Proctors Stoker,	Greens	Coke used Forced draught
(Townsfield) George Street	2	2	28ft, x 7ft.	Proctors Stoker	Greens	Fan workling
Glossit Works	1	1	10ft. x 3ft. 6in.	Hand Fired	none	Electric Power
Hollins Grove Hillside Hey Fold	1	2 2 2	each 33ft, x 8ft, 6in, 30ft, x 8ft, 6in, 30ft, x 8ft, 27ft, x 7ft,	Benniss's, Movable Bars Proctors, Movable Bars Hand Fired	Greens Greens	Also Electric Power
High Street (Foundry) Hindle Street Hollins (Low Chimney)	1	1 2 2	17ft, x 3ft, 6in, 30ft, x 8ft, each 30ft, 8ft, 6in,	Hand Fired Proctors, Movable Bars Eriths, Grateless	none Goodbrands Greens	Coke used 5 Boilers
Hollins (Tall Chimney)	7	2	30ft. x 8ft. 6in. Four each 30ft. x 7ft, 6in.	Eriths, Grateless Eriths, Grateless	Greens Greens	generally working
Lower Wood Lorne Street	1	2 2	Two 32ft. x 9ft. 6in. 20ft. 6in. x 7ft. 6in. 32ft. x 7ft. 6in.	Benniss's, Self-feeding Proctors Hand Fired	Greens none Greens	Superheater
Moss Bridge Olive	12	2 2	30ft. x 8ft. 32ft. x 9ft.	Proctors, Movable Bars Benniss's Self-feeding, Movable Bars	Greens Greens	
Orchard (Paper)	1	2	30ft. x 8ft.	Hand Fired Yates & Thom's Bars	none	One chimney
Orchard (Cotton) Orchard (Commercial) Peel	1 1	2 2 2	30ft, x 7ft, 6in, 30ft, x 7ft, 30ft, x 8ft, 6in,	Proctors, Movable Bars Hand Fired Leach's	Greens Greens	
Provident	1	2	27ft. x 9ft.	Benniss's, Self-feeding, Movable Bars	Greens	
Prospect	1	1 2	30ft. x 8ft. 14ft x 5ft. 6in. 28ft. x 8ft.	Hand Fired Hand Fired Benniss's, Movable Bars	Roberts none Greens	Coke used Mill run by electric power
Springfield	1	1	14ft. x 6ft.	Hand Fired Meldrums Fire Box	none	Coke used Mill run by electric power
Sunnyhurst	1	2	30ft. x 8ft. 6in.	Hodgkinson's,	Greens	Hamers expansion joint round boiler Hotchkiss' water
Triperies	1 1	1 1	20ft. x 5ft. 6in. 10ft. x 4ft, 6in.	Hand Fired Hand Fired	none none	Ceirculator
Union St. Saw Mills Vale Street	2	1 2	Small Portable 30ft. x 8ft. 6in.	Hand Fired Hand Fired Tetlows Smoke Box	none none	Electric power also
Walpamur Walpamur Walpamur		2	30ft. x 7ft. 6in. 24ft. x 5ft. 6in.	Hand Fired Hand Fired	none	
(Paint Works)	1	1 2	10ft. 10in. x 3ft. 6in. 30ft. x 8ft.	Hand Fired Proctors, Self-feeding, Movable Bars	none Greens	Vertical boiler
Woodside	2	2	each 30ft. x 8ft.	Hand Fired	Greens	

In addition to the above there are many Factories and Workshops in the Northern District which are run solely by Electricity or Gas.

## FACTORIES AND WORKSHOPS.

## I.—INSPECTION.

			Number	of
	Premises.	Inspections.		Written Notices.
Factories .		110		18
Workshops		214		8
Workplaces		48		1
Bakehouses		107		16
	Total	479		43
		-		

## NUISANCES UNDER PUBLIC HEALTH ACTS.

## II.—DEFECTS FOUND.

	Foun	No. of Do	efects Remed	Referred to H.M. Inspector
Want of Cleanliness	1		1	 . 0
Want of Ventilation	1		1	 . 0
Defective Drainage	3		3	 . 0
Other Nuisances	14		. 14	 . 0
Sanitary Conveniences—				
Unsuitable and Defective or Insufficient	6		4	 . 0
Not Separate for Sexes	1		1	 . 0
Breach of Special Sanitary Requirements (S.S. 97 to 100)	16		16	 . 0
Offences under F. and W. Act— Illegal Occupation of Underground Bake-				
house	1		0	 . 1

### III.—OTHER MATTERS.

## Matters Notified to H.M. Inspector of Factories-

Action taken in matters referred by H.M. Inspector as remediable under Public Health Acts (notified by H.M. Inspector)	. 10
Reports of action taken sent to Inspector	13
Other	4
Certified underground Bakehouses in use at end of year	2

## IV.—REGISTERED FACTORIES AND WORKSHOPS, &c.

Textile Facto	ories	33
	Factories	94
Workshops		145
Workplaces		66
		338

Four Lists of outworkers making and repairing wearing apparel were supplied to me during the year in compliance with the regulations.

## LIST OF FACTORIES, WORKSHOPS, AND WORKPLACES.

Textile Cotton Factories	33	Wholesale Grocers	3
Joiners and Builders	13	Brush Makers	1
Paper and Paint Mills	5	Tea Mixing	1
Engineers and Foundries	10	Painters' Preparation Workshops	7
Printers	3	Polishing Paste	1
Gas and Electricity Works, etc	3	Block Cutting	3
Waste Sorting Works	4	Herb Beer Making	1
Aerated Water Works	1	Laundry	1
Box Making	1	Paper Bags and Sack Making	2
Picture Framing	5	Tin Plate Works	3
Boots and Shoes	36	Scales and Weights	1
Chipped Potatoes	30	Saddlers	3
Ice Cream	1	Plumbers	8
Dressmakers, etc	29	Blacksmiths	1
Hay Chopping	1	Tripe Dressing	2
Motor Repairing	7	Cabinet Makers	3
Gut Scraping	1	Marine Stores	2
Tailors	6	Stocking Knitting	2
Metal Broker	1	Electrical Engineers	2
Reed Works	2	Watch Repairing	3
Slay Makers	1	Flock Bed Dressing	1
Wheelwrights	5	Pickle Making	2
Firewood Making	1	Cooper	1
Pork Butchers	5	Metal Engraving	1
Destructor Works	1	Boiler Composition Works	1
Wringing Machine Works	1	Basket Making, etc.	1
Bakers and Confectioners	75	and making, etc.	1

## DAIRIES, COWSHEDS, AND MILKSHOPS.

There are 33 farms, with 68 shippons, and 4 milk shops in the Northern District. In addition there are many purveyors of milk whose farms are situated without the Borough. No dairy cows have been kept during the year at Holly Bank Farm. A few farms are used chiefly for rearing young stock. About 500 cows are stalled in the shippons, in additions to young stock and oxen. Improvements were carried out under the Dairies, Cowsheds, and Milkshops Regulations, as follows—

Shippon and Yard Pavement Relaid or Repaired	4
Lighting and Ventilation of Shippons Improved	5
Drains Reconstructed or Repaired	2
Repairs to Watering Trough and Service Pipes	1
New Easing Troughs and Downspouts Fixed	4
Dirty Shippons Limewashed	8
Repairs to Roofage of Shippons	4
Repairs to Dairy	1
Other Work	1

Many repairs of a minor nature were also carried out.

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

A sample of water was taken from the private supply at Lower Coney Farm which upon analysis proved to be very satisfactory.

At Turn Lane Farm the water supply has been improved and now appears to be adequate. A new tank has been constructed and pipes laid therefrom to the farm. The possibility of contamination from surface washings has therefore been prevented.

Copies of the Dairies, Cowsheds and Milkshops Regulations in force in the Borough have again been supplied to each farmer and purveyor of milk. Each farmer has also been supplied with copies of circulars issued by the Board of Agriculture relating to Foot and Mouth Disease, Anthrax, etc.

## INSPECTION OF SCHOOLS.

Many Inspections of the 12 Elementary Schools were made particularly during the vacations, viz., Easter, Mid-Summer, and Christmas, to survey the buildings and ascertain if the cleaning had been done in accordance with your requirements, as issued prior to each vacation by Mr. W. Bretherick, Secretary

of Education. The work was done in accordance with instructions. Defects in the buildings, means of ventilation, drainage, and pavement of yards were referred to the Education Department for attention. Many defects were remedied. The Medical Officer of Health accompanied me to many of the Schools.

## TRIPERIES, Etc.

Two tripe dressing firms occupy premises at the Corporation buildings adjacent to the Pig Abattoir in James Street West. The greatest possible care is exercised to avoid effluvia nuisances. The waste material is removed daily and cremated.

One gut scraper carries out the preliminary part of his work in separate premises situated at the Public Abattoirs. The casings are sent out of town to be scraped, etc. There was no cause for complaint during the year.

The Public Health (Meat) Regulations, 1924, came in force on April 1st, 1925, the provisions of the Regulations have been strictly enforced.

## SALE OF FOOD AND DRUCS ACTS, 1875 TO 1907.

During the year I purchased 15 samples of milk and forwarded them to the County Analyst for examination which upon analysis proved to be genuine. Sample No. 53A contained 5.45 per cent. of fat and was therefore a very rich sample of milk.

I have continued to keep a sharp outlook over the various articles of food offered for sale for human consumption in the district and places where food is prepared have been kept under observation. The butchers' shops are regularly visited. For particulars regarding the inspection of meat see the Meat Inspector's Report.

The 30 Chipped Potato and Fried Fish Shops have received attention.

The 15 Wet Fish Shops in the district have been periodically visited and many improvements to the drains, etc., have been effected. Fish offal is removed daily to the Destructor Works.

#### MODEL LODGING HOUSE.

During the year there has been an increase of 10.30 per month in the number of lodgers when compared with 1924. This is the only common lodging house in the town, a distinct advantage from a public health standpoint. I frequently visited the house, often in the evening after the lodgers had retired to rest, when the number of cubicles occupied was checked and the books examined.

The following Table shows the daily average number of occupants (males and females) for each month during the last 13 years—

```
1913. 1914. 1915. 1916. 1917. 1918. 1919. 1920. 1921. 1922. 1923. 1924. 1925. Jan. ..... 111.3 121.0 84.6 65.3 59.1 53.04 59 12 70.20 94.51 80.61 91.29 82.00 108.64 Feb. .... 125.2 126.6 86.9 69.1 61.2 54 82 57.90 81.30 92.03 80.25 93.03 81.34 111.39 March ...127.2 125.6 85.5 67.2 66.3 53.58 59.90 79.30 90.58 80.15 86.90 84.39 110.93 April .... 127.4 129.4 109.2 67.2 68 2 57.77 64.27 91.60 89.16 87.26 87.43 97.50 119.83 May .... 126.2 127.2 88.2 53.1 66.9 54.35 68.70 93.30 79.16 91.41 86.35 98.96 118.94 June .... 131.8 122.3 84.1 50.7 62.2 55.37 72.00 101.83 78.86 83.96 83.53 97.20 109.13 July .... 130.1 124.1 75.7 53.1 60.0 51.26 67.24 100.12 76.77 83.45 73.25 94.64 98.41 August ...132.9 108.1 73.2 62.1 57.2 48.00 69.23 106.00 76.51 83.16 80.64 98.83 104.35 Sept. .... 123.1 91.1 66.1 60.2 56 7 53.93 71.24 95.16 69.63 82.00 77.43 96.46 99.63 October . 128.1 94.2 58.1 60.6 57.7 54.90 74.17 89.05 67.90 81.16 75.51 99.48 96.00 Nov .... 124.2 87.2 61.2 60.0 51.7 56.47 71.70 84.60 72.83 80.13 73.26 104.9 96.50 Dec ..... 122.4 79.2 64.9 61.1 51.7 59.19 68.15 88.79 81.22 86.38 78.03 108.8 94.32 Average ...125.8 111.3 78.1 60.8 60.0 54.39 66.97 90.02 80.76 83.32 82.22 95.37 105.67
```

The daily average number of female lodgers for 1925 was 17.48.

#### INSPECTION OF PUBLIC BUILDINGS.

There are three Picture Houses in the Northern District which have been regularly inspected during the year. Improvements have been made in the sanitary arrangements at two of the houses and several other minor defects remedied.

#### CLOSET CONVERSIONS.

During the year 15 pail closets and 12 waste water closets were converted to the water carriage system.

The remaining 25 pail closets would have been converted long ago but difficulties in regard to drainage were encountered. An endeavour is now being made to overcome these drainage problems and convert the closets.

A few pail closets cannot be converted as they are situated at too great a distance from the sewers.

## RATS AND MICE DESTRUCTION ACT, 1919.

NATIONAL RAT WEEK, NOVEMBER 2nd to 7th, 1925.

During the preceding week the occupiers of mills, workshops, food stores, farms, warehouses, etc., were communicated with and supplied with copies of the Ministry's Circular No. 264 T.R. The response was good and an earnest endeavour was made to destroy Rodents, etc. The work done proved to be very effective. The various mill owners, farmers, etc., now exercise constant vigilance and a great many more cats are being kept. During the year poisoned bait was placed in selected and suitable places known to be infested and the result was satisfactory. In some infested buildings the drains were found to be faulty, giving Rodents access to the buildings. These were remedied at once.

#### MANURE PITS.

The midden steads were regularly inspected and precautions were again taken to mitigate the nuisance caused by flies.

#### OTHER MATTERS.

At each monthly meeting of the Health Committee, in addition to the printed report, I have submitted a detailed type-written statement of the work carried out in my district.

I am pleased to say that the service of Informal and Statutory Notices had the effect of securing the abatement of nuisances.

Many Agreement Forms have been signed by owners of property for the Corporation workmen to carry out repairs, etc., to back yards, drains, closets, etc.

This work has been done under my supervision.

I am, Gentlemen,

Yours obediently,

C. R. WALSH, M.R.San.Inst., M.S.I.A.,

Senior Sanitary Inspector.

# CORPORATION ABATTOIRS, POLICE STREET, DARWEN,

March 31st, 1926.

### MEAT INSPECTOR'S REPORT, 1925.

### To the Chairman and Members of the Slaughter House Committee.

GENTLEMEN,

All anima's were examined upon arrival at The Abattoirs, where they were penned in the lairages, fed and rested before slaughter. The strictest supervision was at all times maintained to prevent the possibility of ill-treatment and every effort was made to ensure slaughtering being done expeditiously and in as humane a manner as possible.

#### FOOT AND MOUTH DISEASE.

There were many outbreaks of this disease in the country during the year but the Borough was perfectly free from the disease until October 30th, where a beast was certified to be affected at a local farm situated in South-East Ward. The diagnosis was ratified and the whole of the stock, viz., 20 beasts were destroyed.

On Wednesday, December 23rd, another beast was certified to be affected with the disease at a farm in West-Central Ward. This also led to the killing of the whole herd, viz., 7 beasts and 2 calves.

The slaughtering and cremation of the cattle and disinfection of the shippons, etc., at the above farms was done under the direct supervision of officers of the Ministry of Agriculture and Folice Inspector Watkinson.

Owing to the infected places being situated within 2 miles of the Public Abattoirs, restrictions were for a time imposed prohibiting the movement of live cattle in the area. Cattle brought into the town from markets, etc., outside of the infected area were conveyed by motors, etc., to the Abatto'rs until the area was declared to be free from the disease.

The prevalence of the disease in the country during the year interfered greatly with the movement of cattle to and from the principal markets frequented by our butchers, viz.:—Salford, Birkenhead, Preston, etc. This has no doubt diminished to some extent the number of cattle slaughtered locally during the year 1925.

## SWINE FEVER RECULATIONS.

Many pigs from prescribed areas have been delivered to the Abattoirs under license and slaughtered within the time specified.

#### INSPECTION OF SHOPS.

Many of the retail butchers obtain their supplies from wholesale dealers without the Borough, and large consignments of chilled and frozen meat are brought into the town weekly, necessitating inspection of meat in retail shops.

Consignments of Fresh Meat have been received from Birkenhead, Bolton, Blackburn and Wilpshire, and passed through our Abattoir store rooms.

### PUBLIC HEALTH (MEAT) RECULATIONS, 1924.

These regulations became operative on April 1st, 1925, and the general provisions were immediately enforced in the Borough. A sharp outlook is being maintained to see that the orders are obeyed.

The following Table shows the number of animals slaughtered during the year:—

#### NUMBER OF CATTLE SLAUCHTERED AT THE ABATTOIRS.

	BEA	STS.	LAMBS CALVES			VES	PIGS	TOTAL	
		Private		Private		Private	Public		Private
anuary	111	74	694	421	5	2	123	000	105
ebruary	91	54	521	319	6	2	89	933	497 375
Iarch	83	57	472	323	5	0	135	695	380
pril	79	53	430	313	3	0	115	627	366
Iay	101	69	592	374	2	1	92	787	444
une	69	52	496	340	3	0	78	646	392
ugust	52	39	493	310	4	0	40	589	349
eptember	82 70	68	690	444	4	2	61	837	514
ctober	105	54 70	604	317	1	1	111	786	372
ovember	70	36	670 413	399	3	3	127	905	472
ecember	80	48	401	341 325	22 14	3	116	621	380
			401	020	14	4	188	683	377
Total	993	674	6476	4226	72	18	1275	8816	4918

During the year it was found necessary to slaughter several animals after the usual hours, either during evenings or week-ends. I was present at the Abattoirs on these occasions. Many visits to farms were also found to be necessary prior to the removal of animals to the Abattoirs.

A great many carcases required special examination. Twenty-five beasts and 36 pigs were found to be affected with Tuberculosis and the entire carcases of two beasts and two pigs so affected were condemned and destroyed. The affected parts of 57 other carcases and internal organs similarly affected were condemned and destroyed. It was also found necessary to condemn and destroy the entire carcases and internal organs of the following animals for reasons stated, viz.:—

One beast Septic Metritis.

Four pigs Hepatitis and Jaundice.

One pig Peritonitis.

One calf Naval Ill and Joint Ill.

Eight sheep Asphyxiated.

One sheep Injuries.

The total amount condemned and destroyed during the year was 11,921 lbs., as follows:—

Beasts.	N	umber	 nined. Calves	Pigs.		ght in Lbs.
25			 _	 36	Tuberculosis	3863
-		4	 	 -	Asphyxiated	160
		-	 _	 6	Hepatitis and Jaundiced	595
2		-	 -	 	Diseased Udders	25
1		-	 -	 _	Inflammation	112
1		-	 -	 	Pleurisy	58
2		1	 2	 2	Injuries	342
		5	 -	 -	Enteritis	200
-		-	 -	 1	Peritonitis	40
1		-	 -	 -	Septic Metritis	570
2		1	 	 -	Abscesses	34
			 1	 _	Naval III and Joint III	40
398		130	 -	 10	Fluky and Diseased Livers, etc	4190
98		2	 -	 -	Unsound and Bruised Meat	1692
					Total	11921

I am, Gentlemen,

Yours obediently,

C. R. WALSH, M.R.San.Inst., M.S.I.A.,

Certified Inspector of Meat and Other Foods.

# 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, 1925.

The following is a Summary of Work done—  Tons. Cwts. Qrs.  House Refuse to Destructor 14,612 14 2  Market Garbage to Destructor 252 3 2  14,864 18 0  Tons. Cwts. Qrs.  Clinkers removed by motor from Destructor. 5640 0 0 1128 Loads.  Sweepings to various tips
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14,864 18 0  Tons. Cwts. Qrs.  Clinkers removed by motor from Destructor. 5640 0 0 1128 Loads.  Sweepings to various tips
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Sweepings deposited by hand-carts at Destructor 1909 ,,
Gully Wreck to various tips
Street Gullies emptied
Length of Streets swept by hand
Length of Streets swept by machine
Excreta to Sewage Works
Excreta Pails emptied
Ashes Tubs emptied
Ashpits emptied 716
Water deposited on streets
Snow removed from streets
Ashes Tubs added during the year
Dust Bins added during the year
Pails brought in from closet conversions

Yours obediently,

## JOSEPH NICCOLL,

Cleansing Superintendent.

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