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THIRTY-FIRST
ANNUAL REPORT

OF THE

Medical Officer of Health,

ALONG WITH THE

REPORT OF THE SANITARY INSPECTOR,

FOR THE

BOROUGH OF TODMORDEN,

BY

Charles W. Thorp,

Fellow of the Royal College of Surgeons, Licentiate of
the Royal College of Physicians in Ireland,
&c., &c.

PRESENTED MARCH, 1909.

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Borough of Todmorden.

To the Mayor, Aldermen and Councillors of the
Borough of Todmorden.

Gentlemen,—

In my annual report for 1908, I have, for the thirty-first time, the honour of presenting you with some statistics and my remarks on the health of the Urban District of Todmorden, which now, as the Borough of Todmorden, has an area of 12,755 acres, with a population roughly estimated to the middle of 1908 to be 26,050. The number of inhabited houses is 6,594, an increase of 74 on the preceding year. During the year 1908, the carcasses of six tuberculosed beasts were taken to the destructor, and a prosecution undertaken in one case.

SCAVENGING.

Mr. Rogers, in his annual report, gives you a summary of the work done under this heading. The work in his department has given complete satisfaction, but I would draw your attention to the oftentimes dirty state of the main roads; they might, with advantage, be kept cleaner.

DRAINAGE.

The long contemplated Sewage Works were completed and opened during the year. The outcome of much searching thought on the part of all concerned in the planning and carrying out of a sewerage scheme for a difficult district, the

result of the working of this system has been looked for with much anxiety. So far, all seems to be working well, giving every satisfaction, and turning into the river a clear, harmless effluent. It is hoped that all the streets, which have been waiting unpaved so many years, will now be sewered in connection with the main sewer, and the paving completed before another winter. Hitherto some streets have been little better than a sea of mud in every wet season, where all dirt and refuse dropped in the street remains, a source of annoyance to the inhabitants who wish to keep their houses clean and healthy.

WATER SUPPLY.

The public water supply is now giving universal satisfaction. The number of consumers is steadily increasing, and the means taken at the reservoirs to prevent the lead solvent properties of the water taking effect, is answering very well. There have been no complaints of lead poisoning from this water during the year 1908.

VITAL STATISTICS.

In the Borough of Todmorden more births were registered in 1908 than in any one of the immediately preceding years, namely 551, giving us a birth-rate of 21.15 per 1,000 of the population for the year, which, although slightly higher than that of recent years, does not compare favourably with the 1908 birth-rate for all England and Wales, that being 26.5 per 1,000 of the population. Still it is on the right side, and now that it has turned the scale, it is to be hoped the improvement will continue, and thereby give us an indication of increased prosperity in the Borough of Todmorden. The average birth-rate in the ten years 1898 to 1907 in the Todmorden Borough was 21.24 per 1,000 of the population, as compared with the 21.15 per 1,000 rate of 1908.

410 deaths occurred in the Borough in the year 1908, showing a death-rate of 15.73 per 1,000 of the population, as compared with 14.7 per 1,000 of the population of all England and Wales. It also shows a slight decrease compared with the two immediately preceding years. The average death-rate in Todmorden at all ages, for the decade 1898-1907, was 16.77, as compared with the 15.73 per 1,000 rate for 1908.

The 410 deaths registered in Todmorden in 1908 included 70 infants under one year of age, which, measured by the proportion of deaths under one year to registered births, gives us an infantile mortality of 127.0, as compared with 121.0 for all England and Wales. The following tables will show that the number of deaths from Phthisis and Cancer in 1908 were on a par with the average of previous years.

Phthisis and other Tubercular Diseases.

1902—31	Deaths.....	Rate	per	1,000	of	population.....	1.21
1903—51	„ .....	„	„	„	„	.....	1.99
1904—30	„ .....	„	„	„	„	.....	1.17
1905—34	„ .....	„	„	„	„	.....	1.32
1906—39	„ .....	„	„	„	„	.....	1.49
1907—41	„ .....	„	„	„	„	.....	1.58
1908—37	„ .....	„	„	„	„	.....	1.42

Cancer.

1902—13	Deaths.....	Rate	per	1,000	of	population.....	0.51
1903—24	„ .....	„	„	„	„	.....	0.94
1904—26	„ .....	„	„	„	„	.....	1.01
1905—20	„ .....	„	„	„	„	.....	0.78
1906—34	„ .....	„	„	„	„	.....	1.30
1907—25	„ .....	„	„	„	„	.....	0.99
1908—23	„ .....	„	„	„	„	.....	0.88

TABLE I.—VITAL STATISTICS OF WHOLE DISTRICT
DURING 1908 AND PREVIOUS YEARS.

Year	Popula- tion estimated to Middle of each Year	BIRTHS		Total Deaths registered in the District						NETT DEATHS AT ALL AGES Belonging to the District						
		Number	Rate*	UNDER 1 YEAR			AT ALL AGES			Total Deaths in Public Institu- tions in the District	Deaths of Non- Residents registered in Public Institu- tions in the District		Deaths of Residents registered in Public Institu- tions beyond the District		Number	Rate*
				No.	Rate per 1000 Births Regis- tered	No.	Rate*	No.	Record		No.	Record	No.	Record		
1898	25,150	590	23.46	96	162.7	505	20.08			No Record	No Record	No Record	No Record	No Record		
1899	25,230	594	23.54	78	131.3	463	18.39			37	2	12	435	17.15		
1900	25,350	571	22.56	84	143.6	425	16.77			32	2	11	442	17.39		
1901	25,419	583	22.94	81	138.9	431	16.95			64	13	7	364	14.30		
1902	25,450	543	21.33	69	127.0	370	14.53			42	16	8	441	17.2		
1903	25,520	556	21.78	90	161.8	449	17.55			42	12	13	371	14.49		
1904	25,590	501	19.57	49	97.8	370	14.55			58	17	8	388	15.16		
1905	25,590	488	19.06	51	104.5	397	15.51			63	19	10	44	17.3		
1906	26,140	470	17.98	61	129.7	463	17.71			47	17	19	413	15.89		
1907	26,000	527	20.27	63	119.6	411	15.81									
Averages for yrs 1898-07.	25,543.9	542.3	21.24	72.2	131.6	428.4	16.77			48.1	12.2	11.0	413.5	16.19		
1908	26,050	551	21.15	70	127.0	410	15.73			56	1	16	410	15.73		

* Rates calculated per 1,000 of the estimated population.

Area of District in acres (exclusive of area covered by water), 12,755.

Total population at all ages 25,419

Number of inhabited houses 6,266

Average number of persons per house 4.056

At Census of 1901.

Institutions within the District receiving sick and infirm persons from outside the District:—Fielden Fever

Hospital, Todmorden Workhouse and Infirmary, Southall Smallpox Hospital. Institutions outside the

District receiving sick and infirm persons from the District:—Wakefield Asylum, Halifax Infirmary,

St. Mary's Hospital, Manchester, Burnley Victoria Hospital.

Is the Union Workhouse within the District? Yes.

TABLE II.
VITAL STATISTICS OF SEPARATE LOCALITIES IN
1908 AND PREVIOUS YEARS.

Year.	Population estimated to middle of each year.	Births regis- tered.	Deaths at all ages.	Deaths under 1 year.
1898	25,150	590	505	96
1899	25,230	594	468	78
1900	25,350	571	435	84
1901	25,419	583	442	81
1902	25,450	543	364	69
1903	25,520	556	441	89
1904	25,590	501	371	49
1905	25,590	488	382	51
1906	26,140	470	454	61
1907	26,000	527	413	65
Averages of Years 1898-1907.	25,543.9	542.3	413.5	72.3
1908	26,050	551	410	70

TABLE III.
CASES OF INFECTIOUS DISEASE NOTIFIED DURING
THE YEAR 1908.

NOTIFIABLE DISEASES.	Cases Notified in whole District.						
	At all ages.	At Ages—Years.					
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 & up'wd
Small-pox... ..	0	0	0	0	0	0	0
Cholera	0	0	0	0	0	0	0
Diphtheria (including Membranous croup)	47	1	20	21	3	2	0
Erysipelas... ..	19	1	0	1	1	14	2
Scarlet fever... ..	100	5	37	49	6	3	0
Typhus fever	0	0	0	0	0	0	0
Enteric fever	16	0	1	3	1	11	0
Relapsing fever	0	0	0	0	0	0	0
Continued fever	0	0	0	0	0	0	0
Puerperal fever	0	0	0	0	0	0	0
Plague	0	0	0	0	0	0	0
Totals	182	7	58	74	11	30	2

No. of cases removed to Hospital :—Diphtheria 13, Scarlet
Fever 72, Enteric Fever, 10. Total, 95.

TABLE IV.

CAUSES OF, AND AGES AT, DEATH DURING
YEAR 1908.

Causes of Death.	All Ages	Un- der 1	1 & un- der 5	5 & undr 15	15 & undr 25	25 & undr 65	65 & up- wds.	Total Deaths Resident or Non-Resid- ent in Public Institutions
Small-pox... ..	0	0	0	0	0	0	0	0
Measles	1	0	1	0	0	0	0	0
Scarlet fever... ..	4	0	2	1	1	0	0	3
Whooping-cough	3	2	1	0	0	0	0	0
Diphtheria (including Membranous croup)	9	1	6	2	0	0	0	1
Croup... ..	1	0	1	0	0	0	0	0
Fever {	Typhus.....	0	0	0	0	0	0	0
	Enteric.....	5	0	1	0	4	0	5
	Other continu'd	0	0	0	0	0	0	0
Epidemic influenza...	6	0	0	0	0	5	1	0
Cholera... ..	0	0	0	0	0	0	0	0
Plague	0	0	0	0	0	0	0	0
Diarrhoea... ..	3	0	0	0	0	1	2	0
Enteritis... ..	7	6	0	0	0	1	0	1
Puerperal fever	0	0	0	0	0	0	0	0
Erysipelas.. ...	1	1	0	0	0	0	0	0
Phthisis (Pulmonary Tuberculosis... ..	28	0	0	1	5	19	3	7
Other tuberculous di- seases... ..	9	1	1	1	2	4	0	0
Cancer, malign't dis.	23	0	0	0	3	9	11	2
Bronchitis	37	4	2	0	1	12	18	3
Pneumonia	22	4	4	1	1	8	4	2
Pleurisy	1	0	0	0	0	1	0	0
Other diseases of Respiratory organs	6	0	0	0	0	4	2	0
Alcoholism, Cirrhosis of liver	3	0	0	0	0	2	1	2
Venereal diseases ...	2	2	0	0	0	0	0	0
Premature birth ...	16	16	0	0	0	0	0	0
Diseases and Accidents of parturition	2	0	0	0	0	2	0	0
Heart disease	51	0	0	1	4	24	22	9
Accidents... ..	14	1	3	0	0	10	0	3
Suicides	1	0	0	0	0	1	0	0
All other causes	155	32	7	2	4	54	56	18
All causes	410	70	29	9	21	161	120	56

TABLE V.
 INFANTILE MORTALITY DURING THE YEAR 1908.
 DEATHS FROM STATED CAUSES IN WEEKS AND
 MONTHS UNDER ONE YEAR OF AGE.

CAUSE OF DEATH	Under 1 Year																	Total Deaths under 1 Year
	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months			
ALL CAUSES (Certified (Uncertified	24	4	2	2	32	9	5	6	4	3	1	1	1	1	3	69		
Diphtheria														1		1		
Whooping Cough				1	1									1		2		
Diarrhoea						1										1		
Enteritis									2			1				4		
Gastritis								1		1						3		
Premature Birth	14		1		15	1										16		
Congenital Defects	6	2			8		1	1								11		
Starvation						2	2		2							5		
Atrophy, Dehydration, Marasmus ..	1	1			2	2										6		
Tuberculous Meningitis										1						1		
Erysipelas	1				1											2		
Syphilis							1	1								2		
Meningitis (not Tuberculous) ..																1		
Convulsions	1	1		2	1							1				5		
Bronchitis													1			3		
Pneumonia																4		
Suffocation, overlaying	1			1												1		
Other Causes			1	1	2											3		
	24	4	2	2	32	9	5	6	4	3	1	2	1	3	1	70		

District of Todmorden: Population estimated to middle of 1908, 26,050. Births in the year: legitimate, 536; illegitimate, 15. Deaths from all Causes at all Ages, 410.

TABLE VI.
CAUSES OF DEATH AT ALL AGES DURING THE
LAST SIX YEARS.

Causes of Death.	1903	1904	1905	1906	1907	1908
Smallpox	0	0	0	0	0	0
Measles	8	3	0	20	2	1
Scarlatina	14	11	1	5	4	4
Whooping Cough	17	13	0	0	9	3
Diphtheria & Membran's Croup	14	8	8	17	6	9
Croup	0	2	2	0	0	1
Fevers { Typhus	0	0	0	0	0	0
Enteric	5	5	3	6	3	5
Other Continued	0	0	0	0	0	0
Epidemic Influenza	3	5	15	4	3	6
Cholera	0	0	0	0	0	0
Plague	0	0	0	0	0	0
Diarrhoea	1	1	5	3	0	3
Enteritis	2	3	3	7	7	7
Puerperal Fever	1	0	2	1	0	0
Erysipelas... ..	0	2	2	0	1	1
Other Septic Diseases	3	3	3	9	0	8
Phthisis	33	18	23	25	35	28
Other Tubercular Diseases	18	12	11	14	6	9
Cancer, Malignant Disease	24	26	20	34	25	23
Bronchitis... ..	46	30	36	41	45	37
Pneumonia	31	14	28	42	29	22
Pleurisy	0	1	0	1	1	1
Other Dis., Respiratory Organs	3	3	1	4	2	6
Alcoholism, Cirrhosis of Liver	7	3	1	4	4	3
Venereal Diseases of	2	3	2	1	1	2
Premature Birth	20	3	16	12	12	16
Dis. & Accidents, Parturition	2	4	2	4	4	2
Heart Diseases	42	50	48	57	44	51
Accidents	8	9	15	17	10	14
Suicides... ..	7	6	7	3	5	1
All other Causes	130	133	134	123	155	147
 All Causes	 441	 371	 388	 454	 413	 410

TABLE VII.
MORTALITY FROM ALL CAUSES AT SUBJOINED
AGES.

	Under 1 Year.	1 and under 5	5 and under 15	15 and under 25	25 and under 60	25 and under 65	60 and up- wards	65 and up- wards	Total.
1877	111	84	21	29	140		130		515
1878	107	80	33	30	128		118		496
1880	82	75	37	17	123		127		461
1881	101	61	27	20	123		151		483
1882	92	83	21	14	112		115		437
1883	76	50	19	30	110		139		424
1884	74	73	23	17	110		149		446
1885	72	34	18	23	138		135		420
1886	91	56	24	17	123		128		439
1887	123	86	38	23	123		135		528
1888	78	44	22	36	124		156		460
1889	108	67	36	15	108		136		470
1890	57	46	18	22	117		142		402
1891	103	55	22	21	155		204		560
1892	81	57	12	24	114		141		429
1893	106	24	24	13	144		134		445
1894	74	34	14	20	117		132		391
1895	87	38	17	18	128		154		442
1896	101	66	20	20	136		134		477
1897	75	26	20	21	138		138		418
1898	96	39	17	17	167		169		505
1899	78	40	19	24	154		146		463
1900	84	37	20	16	181		87		425
1901	81	38	14	10	166		122		431
1902	69	25	9	12		150		99	364
1903	89	63	10	19		120		140	441
1904	49	45	7	12		137		121	371
1905	51	22	10	15		155		135	388
1906	61	40	21	14		181		137	454
1907	65	24	14	12		162		136	413
1908	70	29	9	21		161		120	410

TABLE VIII.
COMPARATIVE DEATH-RATE SINCE 1877.

Year.	Number of Deaths.	Estimated Population.	Rate per 1,000	Rate per 1,000 for same period in England and Wales.
1877	515	23,000	22.3	20.4
1878	496	23,085	21.4	21.7
1879	Not acting as Medical Officer.—No Returns.			
1880	461	23,255	19.3	20.4
1881	483	*23,861	20.2	18.9
1882	437	24,014	18.16	19.6
1883	424	24,000	17.66	19.5
1884	446	24,142	18.47	19.6
1885	420	24,280	17.28	19.0
1886	439	25,093	17.09	19.3
1887	528	25,200	20.95	18.8
1888	460	25,420	18.09	17.8
1889	470	25,580	18.37	17.9
1890	402	25,750	15.61	19.2
1891	560	†24,725	22.64	20.2
1892	429	24,750	17.33	19.0
1893	445	24,850	17.90	19.2
1894	391	24,975	15.64	16.6
1895	442	25,075	17.62	18.7
1896	477	25,200	18.92	17.1
1897	418	25,062	16.68	17.4
1898	505	25,150	20.8	17.6
1899	463	25,230	18.39	18.3
1900	425	25,350	16.77	18.3
1901	433	‡25,419	16.95	16.9
1902	364	25,450	14.3	16.3
1903	441	25,520	17.28	14.6
1904	371	25,590	14.49	16.2
1905	388	25,590	15.16	15.2
1906	454	26,140	17.36	15.4
1907	413	26,000	15.89	15.0
1908	410	26,050	15.73	14.7

* According to Census 1881. † According to Census 1891

‡ According to Census 1901.

TABLE IX.
THE RATE OF INFANT MORTALITY MEASURED BY
THE PROPORTION OF DEATHS UNDER ONE
YEAR TO REGISTERED BIRTHS.

Year	Rate per 1,000 births registered.	England and Wales.
1877	141	141 per 1,000
1878	131	137
1880	125	147
1881	146	138
1882	141	150
1883	108.9	145
1884	125.2	137
1885	119.8	144
1886	157.8	151
1887	184.6	149
1888	108.8	148
1889	165.8	159
1890	93.9	137
1891	172.8	161
1892	147.0	148
1893	174.3	156
1894	141.2	161
1895	146.0	163
1896	174.1	154
1897	122.6	151
1898	162.7	133
1899	131.3	132
1900	143.6	146
1901	138.9	128
1902	127.0	133
1903	161.8	118
1904	97.8	121
1905	104.5	
1906	129.7	
1907	119.6	
1908	127.0	

TABLE X.

RATE OF MORTALITY AMONGST PERSONS AGED
60 YEARS AND UPWARDS.

1877	.....	5.6	per 1,000	of the	population.
1878	.....	5.1	"	"	"
1880	.....	5.4	"	"	"
1881	.....	6.3	"	"	"
1882	.....	4.7	"	"	"
1883	.....	5.7	"	"	"
1884	.....	6.1	"	"	"
1885	.....	5.5	"	"	"
1886	.....	5.1	"	"	"
1887	.....	5.3	"	"	"
1888	.....	6.1	"	"	"
1889	.....	5.3	"	"	"
1890	.....	5.5	"	"	"
1891	.....	8.2	"	"	"
1892	.....	5.2	"	"	"
1893	.....	5.3	"	"	"
1894	.....	5.2	"	"	"
1895	.....	6.1	"	"	"
1896	.....	5.0	"	"	"
1897	.....	5.5	"	"	"
1898	.....	6.72	"	"	"
1899	.....	5.8	"	"	"
1900	.....	5.6	"	"	"
1901	.....	6.3	"	"	"
*1902	.....	3.8	"	"	"
1903	.....	5.5	"	"	"
1904	.....	4.7	"	"	"
1905	.....	5.2	"	"	"
1906	.....	5.2	"	"	"
1907	.....	5.2	"	"	"
1908	.....	4.8	"	"	"

* From 1902 the rate given is for persons aged 65 and upwards.

TABLE XI.—COMPARATIVE BIRTH-RATE.

Year.	Number of Births.	Estimated Population.	Rate per 1,000	England and Wales Birth Rate.
1877	783	23,000	34.04	36.1
1878	845	23,085	35.3	35.9
1879		No return.		
1880	664	23,255	28.5	34.6
1881	688	*23,861	28.8	33.9
1882	652	24,014	27.15	33.7
1883	698	24,006	26.09	33.2
1884	599	24,142	24.81	33.5
1885	601	24,280	24.75	32.5
1886	583	25,093	23.63	32.4
1887	666	25,200	26.42	31.4
1888	625	25,420	24.58	30.6
1889	651	25,580	25.44	30.5
1890	607	25,750	23.57	29.7
1891	596	†24,725	24.10	31.4
1892	551	24,750	22.26	30.5
1893	608	24,850	24.46	30.8
1894	524	24,975	20.98	29.6
1895	594	25,075	23.68	30.3
1896	577	25,200	20.50	29.7
1897	612	25,062	24.42	29.7
1898	590	25,150	23.46	29.4
1899	594	25,230	23.54	29.3
1900	571	25,250	22.56	28.9
1901	583	‡25,419	22.94	28.5
1902	543	25,450	21.33	28.6
1903	556	25,520	21.78	28.4
1904	501	25,590	19.57	27.9
1905	488	25,590	19.06	27.2
1906	470	26,140	17.98	27.0
1907	527	26,000	20.27	26.3
1908	551	26,050	21.15	26.5

* According to Census 1881. † According to Census 1891.

‡ According to Census 1901.

ZYMOTIC DISEASES.

Comparatively few notifications of infectious diseases were received in 1908, as will be seen from the accompanying tables. Looking back a few years it will be observed that there has been a marked diminution in the number of cases of enteric fever during the last few years, and an increase in the number of cases of diphtheria, which latter disease seems to be supplanting enteric fever. The decrease in enteric is, in my opinion, due without doubt, to the improvement of many small private water supplies, and to the fact that many property owners have taken in the public water in place of water hitherto used for domestic purposes, and which occasionally was liable to pollution. I am unable to account for the increase in diphtheria; the cases were very much scattered, not connected in many instances one with another, and never became epidemic. Now that it is becoming an acknowledged theory that sewer gas from an uninfected sewer does not in itself produce diphtheria, it is difficult to trace the source of infection, when there is no direct or indirect personal contact.

TABLE XII.—TYPHOID FEVER.

	No. of Cases Notified.		No. of Deaths.	Per cent. of Deaths to Cases Notified.	
1891		54	.....	8	 14.81
1892		29	.....	7	 24.13
1893		63	.....	12	 19.04
1894		29	.....	7	 24.13
1895		44	.....	13	 29.54
1896		44	.....	7	 15.09
1897		35	.....	8	 22.85
1898		41	.....	11	 26.83
1899		121	.....	18	 14.88
1900		36	.....	9	 25.00
1901		26	.....	4	 15.37
1902		23	.....	6	 26.08
1903		18	.....	5	 27.77
1904		27	.....	5	 18.51
1905		26	.....	3	 11.53
1906		12	.....	6	 50.00
1907		10	.....	3	 30.00
1908		16	.....	5	 31.25

TABLE XIII.
ANNUAL DEATH-RATE PER 1,000 FROM ALL CAUSES
AND FROM SEVERAL ZYMOTIC DISEASES
DURING THE YEAR 1908.

	All Causes	Diseases in Columns 3-9	Smallpox	Measles	Scarlatina	Diphtheria	Whooping Cough	Fevers	Diarrhoea	Deaths under 1 year per 1000 Births
	1	2	3	4	5	6	7	8	9	10
England & Wales	14.7	1.29	0.00	0.22	0.08	0.15	0.27	0.07	0.50	121.0
76 Great Towns	15.8	1.59	0.00	0.31	0.10	0.16	0.29	0.08	0.65	128.0
Boro. of Todmorden	15.73	0.95	0.00	0.03	0.15	0.34	0.01	0.19	0.01	127.0

TABLE XIV.
COMPARATIVE RATE OF MORTALITY FROM THE
FOLLOWING PRINCIPAL ZYMOTIC DISEASES.

Year.	Smallpox.	Measles.	Scarlatina.	Diphtheria.	Whooping Cough.	Diarrhoea.	Continued Fever.	Total.	Rate per 1,000.	Rate per 1,000 for England & Wales.
1877	0	0	17	9	4	9	15	54	2.3	2.6
1878	0	2	31	3	4	16	5	61	2.6	3.32
1880	0	2	43	2	1	13	18	79	3.3	2.24
1881	0	3	13	1	5	15	10	47	1.9	2.32
1882	0	20	6	0	26	12	5	69	2.87	2.73
1883	0	1	20	1	0	8	14	44	1.23	2.20
1884	0	8	11	1	7	11	3	41	1.69	2.64
1885	0	3	1	0	8	4	3	19	0.78	2.10
1886	0	18	20	0	2	14	8	62	2.47	2.26
1887	0	13	46	6	9	11	5	90	3.56	2.29
1888	3	9	3	1	1	4	8	29	1.14	1.86
1889	0	34	6	1	10	6	0	57	2.22	2.22
1890	0	1	2	0	1	8	3	15	0.58	2.14
1891	0	16	2	0	11	11	8	48	1.94	1.90
1892	0	16	0	0	12	2	7	37	1.49	2.00
1893	1	5	2	0	8	9	12	37	1.48	2.52
1894	1	5	5	0	8	1	7	27	1.08	1.81
1895	0	1	6	0	7	7	13	34	1.35	2.17
1896	0	33	5	1	14	6	7	66	2.61	2.18
1897	0	4	2	10	3	9	8	36	1.43	2.15
1898	0	13	2	1	10	10	11	47	1.87	2.22
1899	0	6	10	0	19	6	18	59	2.33	2.21
1900	0	10	11	3	5	5	9	43	1.69	2.00
1901	0	9	5	1	3	6	6	30	1.17	2.05
1902	0	6	4	1	0	4	6	21	0.82	1.64
1903	0	8	14	14	17	1	5	59	2.31	1.46
1904	0	3	11	7	13	1	5	40	1.56	1.94
1905	0	0	1	8	0	5	3	17	0.66	1.52
1906	0	20	5	17	0	3	6	51	1.95	1.73
1907	0	2	4	6	9	0	3	24	0.92	1.26
1908	0	1	4	9	3	3	5	25	0.95	1.29

TABLE XV.

The total number of notifications received during 1908

	Small- pox	Scar- la- latina	Diph- ther- ia	Croup	F'vers Fever	Puer- peral Ery- sip- elas	Tot'
January	0	3	2	0	1	0	6
February ...	0	3	2	0	2	0	7
March	0	4	8	1	1	0	17
April	0	17	0	1	1	0	21
May	0	37	1	1	0	0	42
June... ..	0	7	1	0	0	0	8
July... ..	0	3	0	0	1	0	4
August	0	2	1	1	2	0	9
September	0	3	1	0	1	0	7
October	0	3	6	0	3	0	14
November	0	5	12	0	3	0	24
December	0	13	9	0	1	0	23
	—	—	—	—	—	—	—
Totals	0	100	43	4	16	0	182
	—	—	—	—	—	—	—

19
TABLE XVI.

	Smallpox.		Scarlatina.		Diphth'ia.		Croup.		Fevers.		Puerperal Fever.		Erysipel's.		Total.
	Medical Notification.	Householders' Notification.	Medical Notification.	Householders' Notification.	Medical Notification.	Householders' Notification.	Medical Notification.	Householders' Notification.	Medical Notification.	Householders' Notification.	Medical Notification.	Householders' Notification.	Medical Notification.	Householders' Notification.	
1891	0	0	15	2	3	0	18	2	53	1	1	0	26	0	121
1892	6	0	20	0	1	0	19	0	29	1	1	0	26	0	102
1893	30	0	72	0	1	0	11	0	63	2	0	0	15	0	194
1894	3	0	105	0	2	0	9	0	29	2	0	0	21	0	171
1895	0	0	114	1	1	0	11	0	44	0	0	0	28	0	199
1896	0	0	90	0	1	0	12	0	44	0	0	0	28	0	175
1897	0	0	38	0	1	0	3	0	35	4	0	0	18	0	122
1898	0	0	22	0	24	0	0	0	41	0	0	0	18	0	84
1899	0	0	153	0	3	0	2	0	120	1	1	0	35	0	314
1900	0	0	440	3	3	0	2	0	36	0	0	0	32	0	520
1901	0	0	82	0	7	0	3	0	26	2	2	0	17	0	137
1902	1	0	244	0	8	0	6	0	23	2	2	0	25	0	309
1903	15	0	304	1	22	0	16	0	18	1	1	0	20	0	397
1904	0	0	195	2	15	0	9	0	27	0	0	0	21	0	269
1905	4	0	97	0	24	0	9	0	26	4	4	0	25	0	189
1906	0	0	140	1	33	0	12	0	12	2	2	0	14	0	214
1907	0	0	180	0	23	0	7	0	10	0	2	0	17	0	239
1908	0	0	100	0	43	0	4	0	16	0	0	0	19	0	182

The following cases from the Borough of Todmorden have been treated in Hospital during the year 1908:—

	Cases.	Deaths.
Fielden Hospital—Diphtheria	13	1
Fielden Hospital—Typhoid Fever	10	3
Fielden Hospital—Scarlatina... ..	72	3
Sourhall Hospital	0	0

I have the honour to be, Gentlemen,

Your obedient servant,

CHARLES W. THORP, F.R.C.S.I., etc.,
Medical Officer of Health.

TABLE C, 1908.

BOROUGH OF TODMORDEN SANITARY DISTRICT.

Medical Officer of Health—CHARLES W. THORP.

Salary—£50.

Sanitary Inspector—FREDERICK ROGERS. Salary—£140.

Water Supply—

Any development during 1908?—73 houses newly connected to public supply.

Developments still needed?—No.

Has public supply been continuous?—Yes.

Any complaint as to action on lead?—No.

Any samples tested for lead during 1908?—No.

Sewerage—

Developments during 1908?—1,273 yards of branch sewers laid.

Developments still needed?—Many streets waiting to be connected with new main sewer.

Any complaints as to offensive Manholes?—Yes.

Sewage Disposal—

Any complaint as to outfall works?—No.

Scavenging—Performed by Sanitary Staff.

Annual cost?—£1,224.

Any inadequacy, and where?—No.

By-Laws—Any adopted or sanctioned during 1908?—No.

Adoptive Acts—Any steps taken for the consideration, adoption, or application of:—

(a) Notification of Births Act, 1907?—No.

(b) Public Health Acts Amendment Act, 1907? — Under consideration.

(c) Other Adoptive Acts?—No.

Regulated Buildings, Trades, &c.	No. on Register	No. Inspected	General Conditions	Legal proceeding (if any)
Common Lodging Houses....	5	77	Fair	
Canal Boats.....		29	Generally satisfactory	
Slaughter Houses..	23	391	Some good; some unsatisfactory	
Cowsheds.....	245	185	Fair	
Offensive Trades .. 4 Tripe Boiling 1 Gut Scraping	5	45	Fairly satisfactory. One closed, and one new licence granted during year.	

Any nuisance from fish-frying?—No complaints received.

Cowsheds—

Any special inspection made during 1908?—All cowsheds inspected annually.

Any action taken by outside Authorities, e.g., under "Milk Clauses" concerning milk supplied from this district?—No.

Infectious Disease—

Any suspected spread by rats, dogs, cats, fowls, flies, or fleas?—No.

How is infected clothing dealt with?—Fumigated in room vacated by patient.

Isolation Hospital—

Any observation on adequacy or efficiency?—Quite satisfactory.

Schools—

Any ailment or contagious disease associated particularly with school-life during 1908?—Sore throats.

Midwives Act, 1902—

Are there any uncertified women attending confinements without a doctor?—Don't know of any.

INSPECTION OF FACTORIES, WORKSHOPS, AND WORKPLACES.

Factories (including Factory Laundries, 20 inspections,
6 Written Notices, 1 Prosecution.

Workshops (including Workshop Laundries), 77 inspec-
tions, 8 Written Notices.

Total?—Inspections 97; Written Notices 14; Prosecu-
tions 1.

Defects found in Factories, Workshops, and Workplaces.

Want of cleanliness?—6 found; 6 remedied.

Other nuisances?—4 found; 4 remedied.

Sanitary accommodation?—6 found unsuitable or defec-
tive; 6 remedied. Not separate for sexes, 1; remedied

1. Insufficient, 2 standing over from previous year, 1
prosecution.

Total?—17 found; 19 remedied; 1 prosecution.

Registered Workshops.

Workshops on register at the end of the year?—91.

Domestic Workshops?—7.

Bakehouses?—48.

Total number of workshops on Register?—146.

OTHER MATTERS.

Matters notified to H.M. Inspector of Factories:—

Failure to affix Abstract of the Factory and Workshop Act
(s. 133), 0.

Action taken in matters referred by H.M. Inspector as
remediable under the Public Health Acts, but not under the
Factory and Workshop Act (s. 5): Notified by H. M. Inspec-
tor, 1; Reports (of action taken) sent to H.M. Inspector, 2.

Underground Bakehouses (s. 101):—

Certificates granted during the year, 0.

In use at the end of the year, 14.

Dwellings—

Number of Houses built during 1908?—40.

General character?—Cottages.

Do the new houses accord with By-laws?—Yes.

Who sees plans?—Borough Surveyor and Highway Com-
mittee.

Any occupied houses unfit for habitation?—No.

Any overcrowding of persons in houses?—A few met with
occasionally, and dealt with as nuisances.

Any action taken under the Housing of the Working
Classes Acts?—No.

Is house-to-house inspection systematically made?—Yes.
so far as time will allow.

Are records kept?—Yes.

Infantile Mortality—What organised effort to control it?—None
Do you recommend appointment of Health Visitors?—
Not needed here.

Prevention of Consumption—

Any system of notification?—Only according to recent order.

Any Sanitary Inspection of Patients' Houses?—No.

Any Disinfection of ditto?—A few disinfected by request.

Any Distribution of Advice?—Yes; by handbill.

Any action re Spitting?—No.

Any Disinfection of public rooms, vehicles, etc.?—No.

Nuisances—

Total No. of Nuisances in hand at close of 1907?—29.

At close of 1908?—47.

Reported during 1908?—249.

Abated during 1908?—231.

Total No. of Legal Notices served for Abatement of Nuisances during 1908?—102.

Total No. of Summonses or other Legal Proceedings?—3.

No. of Sink wastes disconnected during 1908?—50.

Trapped?—48.

No. of Closets newly constructed during 1908?—77.

Kinds?—Water Closets 46, Tub Closets 14, Waste Water Closets 17.

No. of Closets reconstructed during 1908?—35.

Kinds?—Tub Closets converted into Water Closets.

No. of House-drains tested?—32.

What method adopted?—Smoke test.

Meteorology—Mean Temperature for 1908?—Not known.

Rainfall?—Sourhall Hospital 49.36 ins.; Fielden Hospital 38.96 ins.

What action has been taken in regard to the following matters:

Seizures of Unsound Food?—6. Prosecutions?—1.

Samples under Sale of Food and Drugs Acts?—25.

Prosecutions?—None.

No. of Smoke observations taken?—54.

Legal Notices?—11. Summonses?—1.

No. of Allotments provided under the Acts or otherwise during 1908?—None.

Births during 1908—

Males?—294. Females?—257. Total?—551.

Number illegitimate, included in above?—15.

Deaths during 1908—

(1) Gross Deaths, i.e., total actually registered in the district, without any correction?—410.

(2) Nett Deaths, on which the rates are calculated, Males 218, Females 192; total, 410.

Sanitary Inspector's Annual Report

FOR 1908.

Town Hall, Todmorden,

March, 1909.

To the Mayor, Aldermen, and Councillors of the
Borough of Todmorden.

Gentlemen,—

I beg to submit my report for the year ending December 31st, 1908, being my thirteenth annual report.

SALE OF FOOD AND DRUGS ACTS.

Under the above Acts 25 samples of new milk were taken, and forwarded to the Public Analyst for the West Riding, who reports as follows:—

Twenty-four samples were reported as complying with the requirements of the Board of Agriculture.

One sample was reported to contain:—

Milk-Fat	2.50
Non-Fatty Solids	9.50
Water	88.00
	100.00

The vendor of this sample was cautioned by the County Authorities.

Amongst the samples reported as complying with the requirements of the Board of Agriculture, the percentage of fat varied from 3.4 to 4.6, and of non-fatty solids from 8.81 to 9.6. (The standard fixed by the Board of Agriculture is 3 per cent. fat, and 8.5 per cent. non-fatty solids).

The results of the analyses would appear to show that the milk supply to the Borough generally is of good quality.

SMOKE OBSERVATIONS.

Fifty-four observations, of one hour's duration each, were taken of factory chimneys.

In eleven instances the amount of black smoke emitted during the hour exceeded the limit of six minutes allowed by the Council. In each case notices of abatement were served, and in five cases subsequent observations proved of a more favourable character.

Legal proceedings were taken in one case for non-abatement of the nuisance, and an order of the Court was obtained for the abatement of the nuisance, with costs against the defendants.

In this case, after the adoption of a mechanical contrivance for assisting the consumption of smoke, considerable improvement resulted.

CANAL BOATS.

The number of canal boats inspected during the year was twenty-eight.

The following four contraventions of the Canal Boats Acts or Regulations were met with:—

One boat with leakage of water into both cabins.

One boat overcrowded.

Two boats with no certificate on board.

In each case the infringements were brought to the notice of the owners of the boats. In three cases the infringements have been remedied. The other case is having attention.

No legal proceedings have been found necessary in respect of the infringements met with.

With the exception of the cases mentioned, the general condition of the boats was satisfactory.

FACTORIES AND WORKSHOPS.

During the year the sanitary accommodation at twenty factories was inspected; and seventy-seven inspections of workshops (including bakehouses) were made.

The defects met with may be classified as follows:—

Factories without separate closet accommodation	1
Factories with defective or unsuitable closet accommodation	4
Factories with dirty sanitary conveniences	4
Workshops requiring limewashing and cleansing	6
Workshops with defective closet accommodation	2

In two factories, additional sanitary accommodation was provided; in another the conveniences were reconstructed, put on the water-carriage system, and connected to the main sewer; and in five other cases the existing accommodation was improved.

Legal proceedings were taken in one case for failing to comply with a notice to provide proper conveniences at a weaving shed, and a fine of £3, and costs, was imposed.

INFECTIOUS DISEASES.

Typhoid Fever.—The twelve cases of this disease notified during the year were all scattered ones, no two of them occurring in the same locality. In one case, the water supply and drainage of the house where the patient lived were not beyond suspicion as possible causes of the disease. In the other cases nothing was found to account for its occurrence.

Diphtheria.—Inspections were made of thirty-five houses, owing to the occurrence of cases of this disease. In fourteen of the houses drainage defects were found and have been remedied, except in three cases where new sewers are required before the property can be properly drained.

School attendance seems to have been a factor in the spread of the disease in the Knotts and Lydgate district, seven cases having occurred amongst children attending the infants' department of the Robinwood Council School between July 1st and December 31st. The school premises were fumigated frequently over the period named, but cases continued to follow one another.

UN SOUND FOOD.

The unsound food condemned and destroyed during the year included the carcasses of two cows, one calf, and three pigs, and parts of the carcasses of two other cows, in addition to a few diseased organs met with in animals, the carcasses of which were otherwise sound.

In one case the carcase of a cow in a badly diseased and putrid condition was found dressed in a slaughter-house, and apparently intended for human food. Legal proceedings were taken in this case, both against the owner of the carcase, and the occupier of the slaughter-house, but the Corporation allowed the cases to be withdrawn on payment of the costs by the defendants.

In the other cases the owners of the carcasses sought the advice of the Council's officers, and voluntarily surrendered the diseased carcasses after examination by the Medical Officer and myself.

DAIRIES AND COWSHEDS.

185 farms have been visited during the year, with 297 shippens and 77 cellars or other places used for the storage of milk.

The defects met with in the course of these inspections may be classified as follows:—

Cowsheds requiring limewashing	3
Cowsheds in dirty state	3
Cowsheds insufficiently lighted and ventilated	1
Cowsheds with defective drainage	1
Cowsheds with water supply liable to pollution	1

The works carried out during the year in pursuance of notices served under the Dairies and Cowsheds Orders (including a few standing over from the previous year) have been as follows:—

Cowsheds with floors relaid with proper fall to trapped drains	4
Cowsheds limewashed and cleansed	6
Cowsheds provided with proper lighting and ventilation	1
Cowsheds provided with proper water supply	1

As in previous years, very striking differences as regards cleanliness were observed in the various premises visited.

In some cases, the occupiers evidently take pride in keeping the premises clean and sweet, whilst in others a very much lower standard prevails; but on the whole I am satisfied that the farmers of the Borough as a class, are gradually becoming more alive to their responsibility in this matter.

HOUSE DRAINAGE.

As will be seen from the statistical summary at the end of this report, the usual amount of work has been done in the repairing, reconstruction, etc., of house drains during the year, but with the exception of a few streets in the Lydgate district and one or two blocks of property in Halifax Road, very little progress was made in the way of providing new drains for existing property, and connecting them to the main sewer.

SCAVENGING.

There is little that is new to report with regard to the scavenging of the Borough generally. The conversion of tub closets into water closets goes on very slowly, only about thirty-five having been done during the year.

On the ground of economy alone, now that the sewage works are in operation, the abolition of the tub closets ought to be taken in hand, especially in the more thickly populated parts of the Borough, in place of the present expensive and insanitary system.

In a report to the Health Committee in November last, I recommended that a resolution should be passed authorising this work to be taken in hand systematically, but no action was taken in the matter.

LEGAL PROCEEDINGS.

Proceedings have been taken in three cases during the year; one for default in complying with a notice to provide proper sanitary convenience at a factory, in which a fine of £3 with costs, was imposed; one for depositing unsound meat in a slaughter-house, and one for a nuisance caused by black smoke from a factory chimney, the results of which have already been stated.

I have the honour to be, Gentlemen,

Your obedient servant,

F. ROGERS, A. R. San. Inst.,

Sanitary Inspector.

BOROUGH OF TODMORDEN HEALTH DEPARTMENT.
SUMMARY OF WORK DONE DURING THE YEAR 1908.

Inspection of premises :—Total	2226
1. For nuisances, etc.	571
2. Where infectious disease has occurred	153
3. Where offensive trades are carried on	45
4. Inspections of Workshops	25
5. Inspections of Factories	20
6. Inspections of Bakehouses	52
7. Inspections of Cowsheds	297
8. Inspections of Common Lodging-houses	77
9. Inspections of Slaughter-houses	391
10. Inspections of Canal Boats	28
11. Inspections of Water Supplies	60
12. Inspections of Work in progress... ..	148
13. Inspections in course of house-to-house survey	89
14. Re-inspections as to compliance with notices ...	263
15. Inspections of Ice Cream Manufactories	7
No. of premises disinfected after infectious disease ...	124
Smoke test applied to drains	32
Smoke observations taken	54
Samples of Milk taken for analysis	25
Samples of Water taken for analysis	2
No. of complaints investigated	104
Cases abated under preliminary notice	169
Cases abated under statutory notice	62
No. of preliminary notices served	287
No. of statutory notices served	102

SUMMARY of WORKS CARRIED OUT in COMPLIANCE
WITH NOTICES, etc., DURING THE YEAR 1908.

House Drainage—

1. Waste pipes disconnected from house drains ...	50
2. Waste pipes trapped	48
3. House drains repaired, cleansed, etc.	87
4. New pipe drains provided — ...	40
5. House drains connected to sewer	45

Sanitary Conveniences—

1. Tub closets converted into water closets	35
2. New water closets provided	46
3. New tub closets provided	14
4. Closets repaired, cleansed, etc.	35
5. Urinals provided	3
6. Urinals repaired, cleansed, etc.	4

Factories, Workshops, and Bakehouses—

1. Existing sanitary accommodation in factories improved	6
2. Factories provided with sufficient and suitable closet accommodation	2
3. Workshops cleansed, limewashed, etc.	3

Cowsheds and Dairies—

1. Cowsheds provided with improved ventilation ...	1
2. Cowsheds provided with proper water supply ...	1
3. Cowsheds cleansed, limewashed, etc.	6
4. Shippon floors relaid	4

Miscellaneous—

No. of schools disinfected	3
No. of seizures of unsound food	6
No. of galvanised iron dust-bins provided	17
No. of houses cleansed, repaired, limewashed, etc. ...	13
No. of houses closed as unfit for habitation	2
No. of cases of overcrowding abolished	6
No. of accumulations of manure, house refuse, etc., removed	26
No. of yards repaired, flagged, asphalted, etc. ...	3
Pollutions of water supply remedied	6
Water supplies properly piped	1

F. ROGERS, Sanitary Inspector.





