

[Report 1900] / Medical Officer of Health, Todmorden Borough.

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Todmorden (England). Borough Council.

Publication/Creation

1900

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TWENTY-THIRD
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 APRIL, 1901.

TODMORDEN :

WADDINGTON AND SONS, PRINTERS, &c., "DISTRICT NEWS" OFFICE.



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Borough of Todmorden.

TODMORDEN, APRIL 3rd, 1901.

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

GENTLEMEN,

As Medical Officer for your Borough, I have the honour to present you with my Twenty-third Annual Report on the sanitary condition of the district. The area is 12,755 acres, and the population to the middle of 1900 I have roughly estimated to be 25,350. Of newly-built houses, 46 were certified for occupation during the year. The Bakehouses have been regularly inspected, and with few exceptions have been found in a cleanly, good condition, the slight defects that were noted were readily set right. During the year several houses were found to be in a filthy condition. The owners and occupiers were served with statutory notices and the premises were cleansed without an appeal to the Magistrates.

SCAVENGING.

Your Sanitary Inspector, Mr. Rogers, gives you in his Report the full details of the work done in this department. I would again draw your attention to the need for a destructor; apart from the desirability of thus promptly dealing with refuse it can be made a source of profit to authorities using it. Another matter calling for the serious attention of this Authority is the desirability of the more lavish use of the water carts as a preventative of disease. Some eminent authorities hold the opinion that one of the main causes for the epidemic of typhoid fever, which played such havoc amongst our soldiers in South Africa, in addition to polluted water, was the terrible dust storms which carried the germs of the disease far and wide, even in amongst the food consumed.

DRAINAGE.

With the sanction of the Local Government Board to the plans for our new Sewerage scheme we have entered upon a new era in Todmorden, and with the completion of the works I shall expect a marked improvement in the health of our district. Many

of the low lying parts of the district, which it has been impossible to drain effectually with the old main sewer, have been waiting for many years for the relief expected from a main sewer of lower level. The laying of the new sewers for these parts of the Borough will admit of the paving of streets, which in wet weather have stood for months, inches deep in foul foetid mud impregnated with all kinds of garbage—a disgrace as well as a danger to the town. The Walsden section of the new sewerage scheme is already approaching completion, and will no doubt afford a great relief to this portion of the Borough, which has practically been without a main sewer.

WATER SUPPLIES.

The public generally have begun to take more advantage of the town's water supply than they have hitherto done, 82 more houses having been connected with the water mains during the year 1900. I feel confident that the ratepayers throughout the Borough will use the public water supply still more freely on the completion of the Todmorden Waterworks, now in course of construction. Small private water supplies are very apt to become polluted from various causes, not always easily remedied, and which the Sanitary Authority can only deal with by applying to the Magistrates to have the supply cut off, when it is found to be contaminated and the mischief done. Lead contamination is a frequent danger to private water supplies from the often long distance the water has to travel through lead pipes.

VITAL STATISTICS.

Assuming that the population in the Borough of Todmorden in the middle of 1900 was 25,350, the 571 births registered show a birth-rate of 22·5 per 1,000 of the population, as compared with 23·54 per 1,000 in 1899, and 23·46 per 1,000 in 1898—all three per centages are a great drop from the rate of 35·3 per 1,000 in 1878. The birth-rate for all England and Wales in 1900 was 28·9, the lowest ever recorded. The 425 deaths registered during 1900 show a death-rate of 16·77 per 1,000, as compared with 18·39 per 1,000 in 1899, and 20·08 per 1,000 in 1898, as against 18·1 per 1,000 for all England and Wales. Of the 571 births registered 297 were males, of which 10 were illegitimate, and 274 females, of which 6 were illegitimate; in all 16 illegitimate children were born alive in the Borough during the year 1900. Of the 425 deaths registered 223 were males and 202 were females.

MORTALITY FROM ALL CAUSES AT SUBJOINED AGES,
FOR THE YEAR ENDING DECEMBER 31st, 1900.

Under 1 Year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Total.
84	37	20	16	162	106	425

MORTALITY FROM ALL SUBJOINED CAUSES.

	Under 5 Years of Age.	Above 5 Years of Age.	SUMMARY.
Smallpox.....	0	0	BIRTHS.
Measles	9	1	Males—
Scarlatina	8	3	Legitimate ... 287
Diphtheria	1	2	Illegitimate ... 10—297
Croup	1	1	Females—
Whooping Cough.....	5	0	Legitimate ... 268
Typhus Fever	0	0	Illegitimate ... 6—274
Enteric Fever	0	9	
Other Fever	0	0	Total 571
Diarrhoea & Dysentery.	4	1	
Cholera	0	0	Rate per 1,000 per
Rheumatic Fever	0	4	annum...22·56.
Erysipelas	0	2	
Pyæmia	0	1	DEATHS.
Puerperal Fever	0	0	Males 223
Ague	0	0	Females 202
Phthisis	2	24	Total 425
Bronchitis	15	38	
Pneumonia and Pleurisy	8	23	Rate per 1,000 per
Heart	5	32	annum...16·77
Injuries and Inquests...	0	8	
Other Diseases	63	137	
Influenza.....	0	18	
TOTAL	121	304	

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 of Health.	—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	20·08	17·6
1899	463	25,230	18·39	18·3
1900	425	25,350	16·77	18·3

* According to Census 1881.

† According to Census 1891.

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

Year.	per 1,000 births registered.	England and Wales.
1877	141	
1878	131	
1880	125	
1881	146	
1882	141	
1883	108·9	141 per 1,000
1884	125·2	137
1885	119·8	147
1886	157·8	138
1887	184·6	150
1888	108·8	145
1889	165·8	137
1890	93·9	144
1891	172·8	151
1892	147·0	149
1893	174·3	148
1894	141·2	159
1895	146·0	137
1896	174·1	161
1897	122·6	148
1898	162·7	156
1899	131·3	161
1900	143·6	163
		154

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	"	"	"

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	24,000	28.09	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

* According to Census 1881.

† According to Census 1891.

CAUSES OF DEATH IN TODMORDEN FOR TWENTY-THREE YEARS.

Causes.	1877	1878	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900
Smallpox.....	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0	0
Measles	0	2	2	3	20	1	8	3	18	13	9	34	1	16	16	0	5	1	33	4	13	6	10
Scarlatina	17	31	43	13	6	20	11	1	20	46	3	6	2	2	0	0	5	6	5	2	2	10	11
Diphtheria	9	3	2	1	0	1	1	0	0	6	1	1	0	0	0	0	0	0	1	1	0	0	3
Croup	13	20	7	3	9	4	12	3	6	3	6	0	6	3	10	7	4	2	5	2	0	1	2
Whooping Cough.....	4	4	1	5	26	0	7	8	2	9	1	10	1	11	12	8	8	7	14	3	10	19	5
Typhus Fever	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Enteric Fever	8	3	13	9	5	9	3	3	7	4	8	0	3	8	7	12	7	13	7	8	11	18	9
Other Fevers.....	5	2	5	1	0	5	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Diarrhoea & Dysentery	9	16	10	15	12	8	11	4	14	11	4	6	8	11	2	9	1	7	6	9	10	6	5
Cholera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rheumatic Fever.....	4	1	1	4	5	5	4	5	2	7	5	2	1	1	2	2	3	1	0	0	3	4	1
Erysipelas	2	2	0	1	0	3	1	1	0	0	1	1	0	0	0	0	0	0	1	1	1	1	1
Pyæmia	0	0	2	2	0	2	2	0	0	0	3	0	0	1	0	0	0	0	0	0	0	0	0
Puerperal Fever	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	1	3	2	0	0	0
Ague	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phthisis	38	51	37	39	27	38	32	58	38	39	44	35	40	48	42	29	42	35	38	34	34	36	28
Bronchitis, Pneumonia and Pleurisy...	90	108	95	140	84	84	99	91	67	114	86	102	92	157	110	84	68	82	99	88	112	79	84
Heart	24	26	36	47	36	48	52	54	61	44	89	38	47	52	41	43	46	50	54	48	48	46	37
Injuries and Inquests	18	7	17	11	7	14	12	7	14	10	10	10	8	13	14	10	17	14	25	12	14	12	8
Other Diseases	272	220	190	189	200	182	191	183	189	231	187	224	193	236	144	225	179	200	181	191	229	205	200
Influenza.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1	28	6	3	23	5	4	17	20	18
Total	515	496	461	483	437	424	446	420	439	528	460	470	402	560	429	445	391	442	477	418	505	463	425

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	60 and upwards	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	637
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	156	146	463
1900	84	37	20	16	181	87	425

ZYMOTIC DISEASES.

A large increase in the total number of infectious disease is shown in the Notification Table for 1900 as compared with previous years. This increase is due altogether to the prevalence of scarlatina, of which the large number of 443 cases were notified. This epidemic began in 1899, and our isolation Hospital was of little use in checking the progress of the disease; firstly, because the type of the disease was so mild (as proved by the fact that there were only 11 deaths out of all the 443 cases), that I believe many cases altogether escaped notice, and as a matter of course infection was spread broadcast; secondly, because on account of the crowded state of the Hospital most of the cases were not removed to Hospital until past the most infectious period of the disease, and after they had infected all those susceptible of infection that had come in contact with them, either directly or indirectly, previous to removal from their homes. I fail to see the wisdom of the proposed extensive enlargement of the Fielden Hospital to meet such a state of things, as isolation hospitals are intended only for receiving the primary cases of any infectious disease that may appear in a district, and so prevent its becoming epidemic, not to be converted into a nursing home for cases in an advanced stage of convalescence. Of typhoid cases 36 were notified during the year, a considerable diminution from the average notified during the last nine years. The majority of the cases where the cause was traceable were due to polluted water. In the

early part of the year Cross Stone Church of England School, Walsden Board School, Lanebottom Board School, Shade C.E. School, and Cloughfoot Board School, had to be closed owing to the prevalence of measles amongst the children attending these schools.

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

ANNUAL DEATH-RATES PER 1,000 FROM ALL CAUSES AND FROM SEVERAL ZYMOTIC DISEASES DURING THE YEAR 1900.

	All Causes.	Principal Zy- motic Diseases (Cols. 3, 9).	Smallpox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fever.	Diarrhoea.	Deaths under 1 Year per 1,000 Births.
Columns	1	2	3	4	5	6	7	8	9	10
England & Wales	18.3	2.00	0.00	0.39	0.12	0.29	0.34	0.17	0.69	154
33 Great Towns ..	19.5	2.50	0.00	0.43	0.13	0.35	0.45	0.20	0.94	172
Boro. of Todmorden	16.77	1.69	0.00	0.39	0.43	0.11	0.19	0.35	0.19	147.1

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 and 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	.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	.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

The total number of Notifications received during the year was
520, at a cost of £64 12s. 6d.

1900.	Small-pox.		Scarlatina.		Diphtheria.		Croup.		Fevers.		Puerperal Fever.		Erysipelas.		Totals.
	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.	
January	0	0	24	0	1	0	1	0	4	0	0	0	2	0	32
February	0	0	25	0	1	0	1	0	2	0	0	0	2	0	31
March	0	0	19	0	0	0	0	0	0	0	0	0	0	0	22
April	0	0	40	0	1	0	0	0	1	0	0	0	3	0	46
May	0	0	47	0	0	0	0	0	5	0	0	0	4	0	55
June	0	0	33	0	0	0	0	0	5	0	0	0	2	0	40
July	0	0	57	0	0	0	0	0	3	0	0	0	2	0	62
August	0	0	39	0	1	0	0	0	1	0	0	0	1	0	42
September	0	0	41	0	2	0	0	0	4	0	0	0	3	0	49
October	0	0	45	2	0	0	0	0	4	0	0	0	7	0	54
November	0	0	40	0	0	0	0	0	4	0	0	0	3	0	51
December	0	0	30	1	1	0	0	0	3	0	0	0	1	0	36
Total	0	0	440	3	7	0	2	0	36	0	0	0	32	0	520

	Smallpox.	Scarlatina	Diphth'ria	Croup.	Fevers.	Puerperal Fever.	Erysipelas	Totals.
	Medical Notification.	Medical Notification.	Medical Notification.	Medical Notification.	Medical Notification.	Medical Notification.	Medical Notification.	
	Householders' Notification.	Householders' Notification.	Householders' Notification.	Householders' Notification.	Householders' Notification.	Householders' Notification.	Householders' Notification.	
1891	0	15	3	18	53	1	26	121
1892	6	20	1	19	29	1	26	102
1893	30	72	1	11	63	2	15	194
1894	3	105	2	9	29	2	21	171
1895	0	114	1	11	44	0	28	199
1896	0	90	1	12	44	0	28	175
1897	0	38	24	3	35	4	18	122
1898	0	22	3	0	41	0	18	84
1899	0	153	3	2	120	1	35	314
1900	0	440	7	2	36	0	32	520

We have had no cases in the Sourhall Hospital during the year. In the Fielden Hospital there were 197 cases from our district.

Typhoid Fever ... 26 cases ... 4 deaths.
Scarlatina ... 171 cases ... 1 death.

I have the honour to be, Gentlemen,

Your obedient servant,

CHARLES W. THORP, F.R.C.S., &c.,

Medical Officer of Health, &c.

TABLE I.—FOR WHOLE DISTRICT.

Year.	Popula- tion es- timated to Middle of each Year.	BIRTHS.		BIRTHS UNDER 1 YEAR OF AGE.		DEATHS AT ALL AGES. TOTAL.		Deaths in Public Institu- tions.	Deaths of Non- residents register- ed in District.	Deaths of Resi- dents register- ed beyond District.	DEATHS AT ALL AGES. NETT.	
		Number	Rate.*	Number	Rate per 1,000 Births register- ed.	Number	Rate.*				Number	Rate.*
1890	25,750	607	23.57	57	93.9	402	15.61	No record kept.	No record kept.	No record kept.		
1891	24,725	596	24.10	103	172.8	560	22.64					
1892	24,750	551	22.26	81	147.0	429	17.33					
1893	24,850	608	24.46	106	174.3	445	17.90					
1894	24,975	524	20.98	74	141.2	391	15.64					
1895	25,075	594	23.68	87	146.0	442	17.62					
1896	25,200	577	22.50	101	174.1	477	18.92					
1897	25,062	612	24.42	75	122.6	418	16.68					
1898	25,150	590	23.46	96	162.7	505	20.08					
1899	25,230	594	23.54	78	131.3	463	18.39					
Averages for years 1890—99	25,076.7	585.3	23.30	85.8	146.6	453.2	18.08					
1900	25,350	571	22.56	84	143.6	425	16.77	37	2	12	435	

* Rates calculated per 1,000 of estimated population.

Area of District in Acres—12,755 Acres.

Total population at all ages.....	24,725	} At Census of 1891.
Number of inhabited houses	6,236	
Average number of persons per house	4.06	

TABLE II.

Year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.
1890	25,750	607	402	57
1891	24,725	596	560	103
1892	24,750	551	429	81
1893	24,850	608	445	106
1894	24,975	524	391	74
1895	25,075	594	442	87
1896	25,200	577	477	101
1897	25,062	612	418	75
1898	25,150	590	505	96
1899	25,230	594	463	78
Averages of Years 1890—1899	25,076.7	585.3	453.2	85.8
1900	25,350	571	425	84

TABLE III.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1900.

	At all Ages.	Und'r 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and up-wards.	No. r'mv'd to Hospital
Smallpox	0	0	0	0	0	0	0	0
Cholera	0	0	0	0	0	0	0	0
Diphtheria	7	0	1	4	1	1	0	0
Membranous Croup	2	0	2	0	0	0	0	0
Erysipelas	32	0	0	1	2	23	6	0
Scarlet Fever...	443	2	122	281	27	11	0	171
Typhus „ ...	0	0	0	0	0	0	0	0
Enteric „ ...	36	0	1	12	5	18	0	26
Relapsing „ ...	0	0	0	0	0	0	0	0
Continued „ ...	0	0	0	0	0	0	0	0
Puerperal „ ...	0	0	0	0	0	0	0	0
Plague	0	0	0	0	0	0	0	0
Totals.....	520	2	126	298	35	53	6	197

TABLE IV.

CAUSES OF, AND AGES AT, DEATH DURING YEAR 1900.

Causes of Death.	ages All	Un- der 1	1 and un- der 5	5 and un- der 15	15 and un- der 25	25 and un- der 65	65 & upw'rds	Deaths in Fielden Hospital.	Deaths in Workhouse.
Smallpox	0	0	0	0	0	0	0	0	0
Measles	10	1	8	1	0	0	0	0	0
Scarlet Fever.....	11	1	8	2	0	0	0	1	0
Whooping Cough.....	5	4	1	0	0	0	0	0	0
Diphtheria and Mem- branous Croup	4	0	2	1	0	1	0	0	0
Croup	1	0	0	1	0	0	0	0	0
Fevers { Typhus	0	0	0	0	0	0	0	0	0
{ Enteric	11	0	0	1	4	6	0	4	0
{ Other cont'n'd.	0	0	0	0	0	0	0	0	0
Epidemic Influenza.....	17	0	0	0	0	10	7	0	2
Cholera	0	0	0	0	0	0	0	0	0
Plague	0	0	0	0	0	0	0	0	0
Diarrhœa	4	2	1	0	1	0	0	0	0
Enteritis	9	7	0	0	0	2	0	0	0
Puerperal Fever	0	0	0	0	0	0	0	0	0
Erysipelas	2	0	0	0	0	1	1	0	0
Other Septic Diseases...	0	0	0	0	0	0	0	0	0
Phthisis	23	0	1	0	3	17	2	0	5
Other Tubercular Di- seases	12	4	3	3	1	1	0	0	0
Cancer, Malignant Di- sease	24	0	0	0	0	16	8	0	0
Bronchitis	52	11	5	0	0	17	19	0	5
Pneumonia.....	26	3	4	0	0	13	6	0	0
Pleurisy	3	0	0	0	0	3	0	0	0
Other Diseases of Res- piratory Organs ...	0	0	0	0	0	0	0	0	0
Alcoholism { ...	5	0	0	0	0	5	0	0	2
Cirrhosis of Liver) ...									
Venereal Diseases	2	2	0	0	0	0	0	0	0
Premature Birth	12	12	0	0	0	0	0	0	0
Diseases and Accidents of Parturition	3	0	0	0	1	2	0	0	0
Heart Disease	39	3	2	4	2	15	14	0	3
Accidents	4	0	0	1	1	2	0	0	0
Suicides	5	0	0	0	2	3	0	0	0
All other Causes	141	35	3	4	2	48	49	0	14
All Causes	425	85	38	18	16	162	106	5	31

TABLE C 1900.

BOROUGH OF TODMORDEN SANITARY DISTRICT.

MEDICAL OFFICER OF HEALTH—CHARLES W. THORP.

SANITARY INSPECTOR—FREDERICK ROGERS.

WATER SUPPLY—

Quality—Soft generally.

Action on Lead?—It acts on lead in many places.

Any extensions or change during 1900?—82 additional houses to public supply in 1900.

Any inadequacy in any part?—In many places the private supplies have been insufficient.

Number or proportion of dwellings—(a) with public supply? (b) supplied from wells?—About 10 per cent., the remainder private springs, very few wells.

SEWERAGE—

Is the district systematically sewered?—Not throughout.

Is rainfall excluded?—No.

Extensions or Improvements during 1900?—Further extensions in the Walsden Valley.

Any inadequacy in any part?—Yes, in many parts.

Any special means of Ventilation?—Manhole grids.

Any Rubble Drains, and where?—A few in outlying parts of the district.

SEWAGE DISPOSAL—

System adopted?—No disposal system.

Any complaints?—No.

SCAVENGING—

Are the privy-middens, ash-places, etc., cleaned by Sanitary Staff, by Contractors, or by Owners and Tenants?—Sanitary Staff.

Number of each type of receptable :—Open privy-middens?—None. Covered privy-middens?—None. Pail or tub closets?—3,223. Other—w.c. 417, w.w. 186.

ADOPTIVE ACTS—

Public Health Acts (Amendment) Act 1890—Whole, February 29th, 1891.

Infectious Disease (Prevention) Act 1899—February 4th, 1891.

Private Streets Works Act 1892?—Not adopted.

BYE-LAWS—Any adopted or sanctioned during 1900?

(a) Under the Public Health Act, 1875—None.

(b) Under the Public Health Acts Amendment Act, 1890—None.

Are they properly enforced?—Yes.

Any Bye-laws needed?—No.

Regulated Buildings, Trades, &c.	Number Registered.	Number Inspected.	General Condition.	Legal proceedings (if any).
Common Lodging Houses	3	wkly	Fair.	
Canal Boats		rglrly	Generally satisfactory.	
Slaughter Houses	25	rglrly	Some good; others not satisfactory.	
Bakehouses	26		Do.	
Offensive Trades	3		Two good; one fair.	

D.C.M. ORDER—

Have any Regulations been framed under Article 13 of this Order?—Yes.

No. of Cowkeepers registered?—200.

No. of Purveyors of Milk registered?—162.

Cowsheds inspected?—370.

Any special action—No.

ISOLATION HOSPITAL—

Progress during 1900?—None.

Has the Sanitary Authority in emergency during an outbreak of disease provided Nurses for home isolation?—No.

Compensation paid for infected articles destroyed during 1900?—Nil.

What method of house disinfection was employed?—Sulphur dioxide and formaldehyde.

DWELLINGS—

Number of Houses built during 1900?—46.

General character—Cottages.

Any houses unfit for habitation?—No.

Any overcrowding of persons in houses?—Not generally; a few odd houses.

Any action taken under the Housing of the Working Classes Act 1890?—No.

Any “unhealthy areas?”—No.

Back yards,—are they paved or rendered impervious in any part?—Yes.

How?—New houses, asphalted; old houses, flagged.

Back streets—are they paved or rendered impervious in any part?—Some paved; some not.

Is house-to-house inspection systemically made?—Yes.

And records kept?—Yes.

NUISANCES—

Total No. of Nuisances in hand at close of 1899—10.
 At the close of 1900—12.
 Reported during 1900—237.
 Abated during 1900—225.
 Total No. of Summonses or other Legal Proceedings—5.
 No. of Sink wastes disconnected during 1900—40.
 „ „ trapped „ —15.
 No. of Closets newly constructed during 1900—123.
 Kinds—w.c.'s 637, w.w.c.'s 237, tubs 37.
 No. of Closets re-constructed during 1900—14.
 Kinds—Tub closets.

METEOROLOGY—

Mean Temperature for year 1900—50·072 degrees.
 Rainfall—Sourhall 58·04 inches, Fielden Hospital 54·31 inches,
 Scaitcliffe 56·10 inches.

GEOLOGY—

Nature of Soil—Shale and Clay.
 Subsoil—Clay.
 Rock—Sandstone.

MISCELLANEOUS—

Any diseases peculiarly endemic in the district?—None.
 Any information as to number of deaths from Cancer of all kinds during 1900?—24.
 Any Cancer-houses or localities noted?—No.
 Any information as to the number of deaths from Tabes Mesenterica?—2.
 Does the Sanitary Authority provide Anti-toxin (gratis) for Diphtheria cases?—No.
 Vaccination—Any improvement in efficiency under the new Act?—Yes.
 Is a public Mortuary provided?—Yes.
 Any necessity for a public Abattoir?—It would be desirable.

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

Seizures of Unsound Food—None.
 Prosecutions—None.
 Samples under Sale of Food and Drugs Acts—19.
 Prosecutions—None.
 Are Food Preservatives much in use in summer time, especially in Milk?—None.
 Has there been any poisoning attributable to arsenical beer?—A few cases.
 River Pollution—Occupiers of Property cautioned and in several cases bills distributed at houses near streams.

Smoke Abatement—No. of observations taken—30.
 Summonses issued—1
 No. of Factories and Workshops inspected—108.
 Schools—No. in District—10.
 No. closed on account of outbreaks of disease—5.
 Total duration of closure from this cause—16 weeks.
 Burial Grounds—No. in District—10.
 Any need for extension?—Yes ; in some parts.
 Any work done by the M.O.H. under the Customs and Inland
 Revenue Act 1890, Sec. 26 (2)—No.

BIRTHS—

Males 297, Females 274 ; total 571.
 Number illegitimate, included in the above—16.
 Any information as to No. of Still Births—None.

DEATHS—

Males 223, Females 202 ; total 425.
 No. uncertified, included in the above—12.
 Any information as to the proportion of bottle-fed children
 included in the deaths under 1 year—No.

Nuisance Inspector's Annual Report for 1900.

TOWN HALL, TODMORDEN.

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

GENTLEMEN,

I beg to lay before you my Fifth Annual Report, for the year ending December 31st, 1900.

Much of the work done during the year has been of the usual routine character, as will be seen from the summary appended hereto.

SCAVENGING.

In the month of November last I submitted a Special Report to you on the method of scavenging the district, and suggested one or two ways in which it appeared that improvement was possible. Up to that time the various outlying portions of the Borough were only visited fortnightly by the nightsoil carts. Since then, however, they have been visited weekly, and the change has worked satisfactorily. An attempt has also been made as far as possible to prevent the scavengers being at work from 8 to 8-30 a.m., and from 12-30 to 1-30 p.m., in the hope that by this means something might be done to lessen a frequent cause of complaint. I am satisfied, however, that, so long as the pail or tub system is in use in a district like this, complaints will continue to be made as to the annoyance and offensiveness which are inseparable therefrom.

SALE OF FOOD AND DRUGS ACTS.

Twenty-five samples of milk were taken under the above Acts and sent to the Public Analyst for the West Riding, who reported as follows:

Five were "genuine milk of superior quality."

Seven were "genuine milk."

Twelve were "of fair quality."

And, of the remaining sample, he reported that "the sample had been deprived of a portion of its natural fat, by skimming or similar treatment. It contained only about three-fourths of the minimum proportion of fat (that is 3 per cent.) natural to genuine new milk."

The matter was left with the County Council as to the taking of further steps.

SMOKE OBSERVATIONS.

During the year thirty observations of factory chimneys were taken, of one hour's duration each. In three instances the limit of black smoke permitted by the Council was exceeded. In one of these cases proceedings were taken before the Magistrates and a conviction obtained. In the other cases notices were served upon the offenders to abate the nuisance.

DAIRIES AND COWSHEDS.

During the year 260 farms were visited, with 370 shippens and 133 cellars or other places used for the storage of milk.

Many instances of defective lighting, drainage, water supply, &c., were met with, and the necessary steps taken to remedy the matters complained of.

FACTORIES AND WORKSHOPS.

One hundred and eight factories and workshops were inspected with reference to the sanitary provisions of the Factory and Workshops Acts.

In 10 instances the owners or occupiers were written to with reference to the condition of the conveniences of their factories and workshops, and in four cases notices were served to provide additional closet accommodation, &c.

The accommodation in many of the factories, &c., in the district, particularly the older ones, is not by any means satisfactory, and I am glad to say, is gradually being brought more into line with modern sanitary requirements.

HOUSE DRAINAGE.

During the year the drainage of a large number of houses was overhauled, and put into proper sanitary condition, this necessitating in many instances the laying of new pipe drains in the place of defective stone ones, to the advantage and comfort of the occupiers of the property concerned.

WATER SUPPLIES.

Several inspections of private water supplies were made during the year, chiefly with reference to their liability to pollution by surface washings from time to time.

In seven cases the supplies have been properly piped or the contamination otherwise prevented. In the case of the water supply to various houses and farms in the neighbourhood of Cross Stone legal proceedings were taken and an order of the Court obtained restricting the use of the supply to certain purposes.

The course of the water supply to a portion of Stansfield Garden Estate, the pollution of which by sewage matters was responsible for the unfortunate outbreak of typhoid fever there at the end of 1899, was diverted during the year, and the cistern in which the contamination took place abolished.

Several samples of water were taken and analysed, either as to organic pollution, or the presence of lead in solution.

Appended you will find the usual Summary of Work done during the year :

Unabated cases from last year ...	...	...	12
Cases abated during the year without formal notice ...	...	...	137
Cases abated during the year under statutory notice ...	...	...	88
Total cases abated during the year ...	...	...	225
Total number of inspections of premises ...	...	...	2,155
1. Inspections of premises for nuisances...	...	...	470
2. Inspections of premises where infectious disease has occurred ...	...	...	382
3. Inspections of premises where offensive trades are conducted ...	...	...	23
4. Inspections of factories and workshops ...	...	...	108
5. Inspections of bakehouses ...	...	...	25
6. Inspections of cowsheds ...	...	...	370
7. Inspections of dairies ...	...	...	133
8. Inspections of common lodging houses ...	...	...	144
9. Inspections of slaughter houses ...	...	...	24
10. Houses inspected in course of house-to-house inspection ...	...	...	502
11. Inspections of canal boats ...	...	...	60
Number of complaints investigated ...	...	...	124
Number of notices issued for abatement or abolition of nuisances ...	...	...	151
Number of premises where infectious disease has occurred disinfected ...	...	...	382
Number of houses cleansed, repaired, whitewashed, &c. ...	...	...	11
Number of cases of overcrowding abolished...	...	...	8
Waste water pipes disconnected from the house drains ...	...	...	40
House drains and water closets repaired, cleansed and ventilated ...	...	...	55
Smoke test applied to drains, &c. ...	...	...	27

Old privies repaired	...	...	...	14
New privies provided	...	...	...	23
New water closets provided	...	...	...	10
Urinals repaired, &c.	...	...	...	1
New pipe drains provided	...	...	...	28
Accumulations of stagnant water, manure, and other refuse removed	...	...	...	16
Removal of animals improperly kept	...	...	...	2
Smoke observations taken	...	...	...	30
Pollutions of water supply remedied	...	...	...	7
Samples of milk taken for analysis	...	...	...	25
Samples of water taken for analysis	...	...	...	18
Houses supplied with sufficient water supply...	...	...	...	2

SCAVENGING FOR YEAR 1900.

No. of Closets emptied during the year	...	...	80,190
„ Loads of nightsoil delivered	...	...	1,606
„ Loads of ashes collected...	...	...	4,325

I am, gentlemen,

Your obedient Servant,

FREDERICK ROGERS.

