

[Report 1910] / Medical Officer of Health, Todmorden Borough.

Contributors

Todmorden (England). Borough Council.

Publication/Creation

1910

Persistent URL

<https://wellcomecollection.org/works/uytrtfkt>

License and attribution

You have permission to make copies of this work under a Creative Commons, Attribution license.

This licence permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited. See the Legal Code for further information.

Image source should be attributed as specified in the full catalogue record. If no source is given the image should be attributed to Wellcome Collection.



Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>

20



THIRTY-THIRD
ANNUAL REPORT

OF THE

Medical Officer of Health,

TOGETHER WITH THE

REPORT of the SANITARY INSPECTOR,

FOR THE

BOROUGH OF TODMORDEN,

BY

Chas. W. Thorp,

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

PRESENTED APRIL, 1911.

R. Dewhirst & Sons, Printers, "Herald" Office, Todmorden



Digitized by the Internet Archive
in 2018 with funding from
Wellcome Library

<https://archive.org/details/b30189251>

BOROUGH OF TODMORDEN.

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

Gentlemen,—

For the thirty-third time I have the privilege to make you an annual report on the sanitary condition of the Borough of Todmorden, which has an area of 12,755 acres, and a population estimated at the middle of 1910, to be 26,100.

The district is hilly, composed of three main valleys with minor ones running into them. The sides of the valleys are precipitous, more especially in the Burnley Valley, and moorland reaches to the top nearly all around. The sub-soil is mainly clay with a proportion of sandstone grit, many faults running through the locality, more especially on the northern side. The climate is naturally cold and damp, and many of the deaths recorded are in a measure due to that fact. The occupations of the population are various, viz., cotton weaving, cotton spinning, machine making, bobbin and shuttle manufacture, picker works, ready-made clothing manufacture, block printing, tinplate works, and various other minor manufactures. The houses of the working classes are generally good and kept clean and tidy, with as a rule plenty of air spaces, although a small number of old back-to-back houses still remain. The 58 new houses which were built during the year 1910 are decidedly of better stamp than those formerly built. According as this better class of houses spring up many of the old houses in the district become uninhabited. Many new houses are now in course of construction. They are supervised by the Borough Surveyor whilst being built, and he gives a certificate when he thinks they are fit for habitation. The Bakehouses are inspected twice a year, and conform to regulations. The Slaughter-houses, of which we have 20 in the borough, are frequently inspected by the Sanitary Inspector, who draws my attention to anything found wrong. They are, with few exceptions, in a very satisfactory condition, but a better supervision of all slaughtered cattle could be kept if we had a public abattoir, which would not be objected to by the general run of butchers when they got used to it. During the year 15 carcasses were found to be tuberculous, portions of these were destroyed, the remainder being passed by me as fit for food.

The milk is generally good, samples are taken from time to time, and sent to the County Laboratory for analysis. The condition of the cow sheds is referred to in the Sanitary Inspector's report. We have no dairies or milk shops in our district, the milk being delivered from house to house morning and evening by the farmers.

The Factories, Workshops, and Work-places were periodically inspected in accordance with the Factories and Workshops Act, and found to be generally in a satisfactory state. Where faults have been found they have been remedied. Particulars will be found in the Sanitary Inspector's report.

SCAVENGING.

All the work done under this heading is fully described in the Sanitary Inspector's report and C form appended to this report. It is done well and to the satisfaction of all concerned.

DRAINAGE.

Many of the faults complained about in my previous reports have been remedied during the year 1910; but a large number yet remain to be done, and are receiving attention in rotation as circumstances will admit. In all 1 mile and 1,478 yards of sewers were laid in 1910, with which connections are daily being made. The condition of the sewers is good, and is being yearly improved. The Sewerage Works are working well without any complaints from those who live in their vicinity. The streams in the locality are still polluted by many drains which discharge into them and by trade refuse, but all efforts are being made where possible, to pick up drains that discharge into the water-courses and connect them with our system of sewerage. A great proportion of the excrement is collected from the tub closets and takn on to the land round about, but water closets are coming into more general use, and where connection with the main sewers is possible they are being insisted upon.

WATER SUPPLY.

The public water supply continues to give every satisfaction, and its lead solvent properties are corrected by the filtration through limestone sand, which has to be periodically renewed.. 72 additional houses were connected with this supply during 1910.

VITAL STATISTICS.

During 1910, 483 births were registered in the Borough of Todmorden, being 20 fewer than in the year 1909, and showing a birth-rate of 18.50 per 1,000 of the population in 1910, as against 24.8 per 1,000 for all England and Wales in the same

period, and 19.20 per 1,000 in Todmorden in 1909. The average birth for the previous decade in Todmorden was 20.57 per 1,000. 365 deaths were recorded in Todmorden in 1910, a decrease on the numbers registered in any of the preceding 10 years, showing a death-rate of 13.5 per 1,000 of the population as compared with 16.15 per 1,000, the average rate for the previous decade, and 13.4 per 1,000, the 1910 death-rate for all England and Wales. There was a slight decrease in the number of deaths of those under 1 year of age, as well as a marked decrease in the number of deaths of people over 65 years of age, compared with the figures for 1909. The rate of mortality among infants 1 year of age to 1,000 registered births is 132 per 1,000, as against 137 per 1,000 births in our district, in 1909, and 106 per 1,000 births in all England and Wales in 1910. Taken as a whole the children of the operatives in this district are well cared for so far as feeding and clothing are concerned, although we occasionally come across children who suffer from the want of mother's milk, but I fear if any steps were taken to prevent mothers returning to work during lactation it would not have the desired effect, and in some cases only tend to further decrease the birth-rate. No health visitors are employed.

The following tables will show the number of deaths from Phthisis and Cancer in 1910, as compared with 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
1909—39	„	„ „ „	1.48
1910—28	„	„ „ „	1.07

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
1909—29	„	„ „ „	1.11
1910—24	„	„ „ „	0.91

TABLE I.—VITAL STATISTICS OF WHOLE DISTRICT DURING 1910 AND PREVIOUS YEARS.

Year	Popula- tion estimat'd to Middle of each Year	BIRTHS			Total Deaths registered in the District			Deaths in Public Institu- tions in the District			Deaths of Non- Residnt's register'd in Public Institu- tions in the District			Deaths of Residnt's in Public Institu- tions beyond the District			NETT DEATHS AT ALL AGES Belonging to the District.	
		Number	Rate*	No.	Rate per 1000 Births Regis- tered	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	N umber	Rate*	N umber	Rate*	
1900	25,350	571	22.56	84	143.6	425	16.77	37	2	12	485	17.15						
1901	25,419	583	22.94	81	138.9	431	16.95	32	2	11	442	17.39						
1902	25,450	543	21.33	69	127.0	370	14.53	64	13	7	64	14.30						
1903	25,520	556	21.78	90	161.8	449	17.55	42	16	8	441	17.28						
1904	25,590	501	19.57	49	97.8	370	14.45	42	12	13	371	14.49						
1905	25,590	488	19.06	51	104.5	397	15.51	58	17	8	388	15.16						
1906	26,140	470	17.98	61	129.7	463	17.71	63	19	10	454	17.36						
1907	26,000	527	20.27	63	119.6	411	15.81	47	17	19	413	15.89						
1908	26,050	551	21.15	70	127.0	410	15.73	56	16	16	410	15.73						
1909	26,200	503	19.20	69	137.1	430	16.41	43	11	12	431	16.45						
Ave'ges for yrs 1900-09.	25,730.9	529.3	20.57	68.7	129.8	415.6	16.15	48.4	12.5	11.6	414.9	16.12						
1910	26,100	483	18.50	4	132.5	365	13.98	49	12	10	363	13.90						

* 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

Institutions within the District receiving sick and infirm persons from outside the District:—Fielden Fever Hospital, Todmorden Workhouse and Infirmary, Sourhall Smallpox Hospital. Institutions outside the District receiving sick and infirm persons from the District:—Wakefield Asylum, Halifax Infirmary, Manchester Infirmary, Burnley Victoria Hospital.

Is the Union Workhouse within the District? Yes.

At Census of 1901.

TABLE II.

VITAL STATISTICS OF SEPARATE LOCALITIES IN
1910 AND PREVIOUS YEARS.

Year.	Population estimated to middle of each year.	Births regis- tered.	Deaths at all ages.	Deaths under 1 year.
1900	25,350	571	435	84
1901	25,419	583	442	81
1902	25,450	543	364	69
1903	25,520	656	441	89
1904	25,590	501	371	49
1905	25,590	488	388	51
1906	26,140	470	454	61
1907	26,000	527	413	65
1908	26,050	551	410	70
1909	26,200	503	431	69
Averages of Years 1900-1909	25,730.9	529.3	414.9	68.7
1910	26,100	483	363	65

TABLE III.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING
THE YEAR 1910.

NOTIFIABLE DISEASES.	Cases Notified in whole District.						
	At Ages—Years.						
	At all ages.	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)	27	0	8	18	1	0	0
Erysipelas... ..	24	1	0	0	2	20	1
Scarlet fever	273	4	72	168	22	7	0
Typhus fever	0	0	0	0	0	0	0
Enteric fever	13	0	0	2	4	7	0
Relapsing fever	0	0	0	0	0	0	0
Continued fever	0	0	0	0	0	0	0
Puerperal fever	1	0	0	0	0	1	0
Plague	0	0	0	0	0	0	0
Totals	338	5	80	188	29	35	1

Total cases removed to Hospital:—Diphtheria 11, Scarlet
Fever 201, Enteric Fever 7. Total, 219.

Total available Beds: Fielden Hospital 62, Sourhall Hospital 35,
total 97. Number of Diseases that can be concurrently treated:
Fielden Hospital 3, Sourhall Hospital 1, total 4.

TABLE IV.

CAUSES OF, AND AGES AT, DEATH DURING
YEAR 1910.

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... ..	2	0	2	0	0	0	0	4
Scarlet fever... ..	7	0	1	4	0	2	0	4
Whooping-cough ...	10	6	4	0	0	0	0	0
Diphtheria (including Membranous croup)	3	0	2	1	0	0	0	0
Croup	0	0	0	0	0	0	0	0
Fever—								
Typhus	0	0	0	0	0	0	0	0
Enteric... ..	4	0	0	0	0	4	0	3
Other continued ...	0	0	0	0	0	0	0	0
Epidemic Influenza ...	7	0	0	0	0	4	3	0
Cholera	0	0	0	0	0	0	0	0
Plague	0	0	0	0	0	0	0	0
Diarrhoea	2	1	0	0	0	1	0	0
Enteritis	6	5	0	0	0	0	1	1
Gastritis	0	0	0	0	0	0	0	0
Puerperal fever	0	0	0	0	0	0	0	0
Erysipelas	3	1	0	0	0	2	0	0
Phthisis (Pulmonary Tuberculosis)	19	0	0	1	2	13	3	6
Other tuberculous diseases	9	1	3	1	1	3	0	0
Cancer, malignant disease	24	0	0	0	0	16	8	3
Bronchitis... ..	30	2	0	0	0	11	17	8
Pneumonia	24	7	3	1	0	13	0	0
Pleurisy	1	0	0	0	0	1	0	0
Other diseases of Res- piratory organs	2	0	0	0	0	0	2	0
Alcoholism (Cirrhosis of liver)	0	0	0	0	0	0	0	0
Venereal diseases ...	1	0	0	0	0	0	1	1
Premature birth	13	13	0	0	0	0	0	0
Diseases and accidents of parturition	4	0	0	0	0	4	0	0
Heart diseases	27	0	0	1	3	13	10	2
Accidents... ..	9	2	0	2	1	4	0	3
Suicides	5	0	0	0	2	1	2	0
All other causes	151	27	6	0	3	48	67	18
All causes	363	65	21	11	12	140	114	49

TABLE V.

INFANTILE MORTALITY DURING THE YEAR 1910.
DEATHS FROM STATED CAUSES IN WEEKS AND
MONTHS UNDER ONE YEAR OF AGE.

CAUSE OF DEATH	Under 1 Week	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	Total Deaths under 1 Year
All Causes—	17	6	1	3	27	12	3	8	3	4	0	2	1	2	1	1	64
Certified	...	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1
Uncertified	0	0	0	0	0	2	1	2	1	0	0	0	0	0	0	0	1
Whooping Cough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Enteritis, Muco-enteritis, Gastro-enteritis..	0	0	0	1	1	1	0	2	0	0	0	0	0	1	0	0	5
Premature Birth	8	2	1	2	13	1	0	0	0	0	0	0	0	0	0	0	14
Congenital Defects	6	0	0	0	6	2	0	0	0	0	0	0	0	0	0	0	8
Injury at Birth	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
Want of Breast-milk, Starvation	0	0	0	0	0	2	0	1	1	0	0	0	0	0	0	0	4
Atrophy, Debility, Marasmus	1	2	0	0	3	2	0	1	0	2	0	0	0	1	0	0	9
Tuberculous Meningitis	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Erysipelas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Convulsions... ..	1	1	0	0	2	0	1	0	0	0	0	1	0	0	0	0	4
Bronchitis	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2
Pneumonia... ..	0	0	0	0	0	1	1	1	1	1	0	0	1	0	1	0	7
Suffocation, overlying	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Other causes... ..	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
	18	6	1	3	28	12	3	8	3	4	0	2	1	2	1	1	65

District of Todmorden Borough: Population (estimated to middle of 1910), 26,100. Births in the year: legitimate, 462; illegitimate, 21. Deaths from all Causes at all Ages, 363.

TABLE VI.

CAUSES OF DEATH AT ALL AGES DURING THE
LAST EIGHT YEARS.

Causes of Death.	1903	1904	1905	1906	1907	1908	1909	1910
Small-pox	0	0	0	0	0	0	0	0
Measles... ..	8	3	0	20	2	1	1	2
Scarlatina	14	11	1	5	4	4	0	7
Whooping-cough	17	13	0	0	9	3	1	10
Diphtheria and Membranous Croup	14	8	8	17	6	9	7	3
Croup	0	2	2	0	0	1	3	0
Fevers—								
Typhus	0	0	0	0	0	0	0	0
Enteric	5	5	3	6	3	5	1	4
Other Continued	0	0	0	0	0	0	0	0
Epidemic Influenza	3	5	15	4	3	6	6	7
Cholera... ..	0	0	0	0	0	0	0	0
Plague	0	0	0	0	0	0	0	0
Diarrhoea... ..	1	1	5	3	0	3	0	2
Enteritis	2	3	3	7	7	7	3	6
Puerperal Fever	1	0	2	1	0	0	0	0
Erysipelas	0	2	2	0	1	1	0	3
Phthisis	33	18	23	25	35	28	26	19
Other Tubercular Diseases	18	12	11	14	6	9	13	9
Cancer, Malignant Disease	24	26	20	34	25	23	29	24
Bronchitis... ..	46	30	36	41	45	37	47	30
Pneumonia... ..	31	14	28	42	29	22	37	24
Pleurisy... ..	0	1	0	1	1	1	4	1
Other Diseases, Respiratory Organs	3	3	1	4	2	6	6	2
Alcoholism, Cirrhosis of Liver	7	3	1	4	4	3	2	0
Venereal Disease	2	3	2	1	1	2	3	1
Premature Birth... ..	20	3	16	12	12	16	17	13
Diseases and Accidents of Parturition	2	4	2	4	4	2	2	4
Heart Diseases	42	50	48	57	44	51	40	27
Accidents	8	9	15	17	10	14	7	9
Suicides... ..	7	6	7	3	5	1	4	5
All other Causes... ..	133	136	137	132	155	155	172	151
All Causes... ..	441	371	388	454	413	410	431	363

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
1909	69	22	7	17		174		142	431
1910	65	21	11	12		140		114	363

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
1909	431	26,200	16.45	14.5
1910	363	26,100	13.90	13.4

* 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.

per 1,000 births registered. England and Wales.					
1877	141				
1878	131	"	"	"	
1880	125	"	"	"	
1881	146	"	"	"	
1882	141	"	"	"	141 per 1,000
1883	108.9	"	"	"	137 "
1884	125.2	"	"	"	147 "
1885	119.8	"	"	"	138 "
1886	157.8	"	"	"	150 "
1887	184.6	"	"	"	145 "
1888	108.8	"	"	"	137 "
1889	165.8	"	"	"	144 "
1890	93.9	"	"	"	151 "
1891	172.8	"	"	"	149 "
1892	147.0	"	"	"	148 "
1893	174.3	"	"	"	159 "
1894	141.2	"	"	"	137 "
1895	146.0	"	"	"	161 "
1896	174.1	"	"	"	148 "
1897	122.6	"	"	"	156 "
1898	162.7	"	"	"	161 "
1899	131.3	"	"	"	163 "
1900	143.6	"	"	"	154 "
1901	138.9	"	"	"	151 "
1902	127.0	"	"	"	133 "
1903	161.8	"	"	"	132 "
1904	97.8	"	"	"	146 "
1905	104.5	"	"	"	128 "
1906	129.7	"	"	"	133 "
1907	119.6	"	"	"	118 "
1908	127.0	"	"	"	121 "
1909	137.1	"	"	"	109 "
1910	132.5	"	"	"	106 "

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	.....	6.7 ²	”	”	”
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	”	”	”
1909	.....	5.4	”	”	”
1910	.....	5.3	”	”	”

* 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
1909	503	26,200	19.20	25.6
1910	483	26,100	18.50	24.8

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

‡ According to Census 1901.

ZYMOTIC DISEASES.

1910 was remarkable for the epidemic of Scarlatina, which prevailed throughout the Borough. It was most prevalent during the months of September, October, November, and December. 273 cases were notified during the year, but I have reason to believe there were many missed cases. The type of the disease was generally so mild that experienced medical men had sometimes a difficulty in deciding on its presence. No one could be surprised to find parents and guardians who have failed to recognise mild cases. In one case your Health Committee were compelled to prosecute, where the fact of the child having had scarlatina was purposely concealed, the child being allowed to go and mix with other children whilst still in an infective condition. In the month of October, on the advice of the School Medical Officer and myself, the Health Committee closed the Roomfield Council School for 3 weeks. Our isolation hospital for infectious diseases did little in my opinion to check the spread of scarlatina, and being much overcrowded during the height of the epidemic accounted for many of the complications that arose amongst so many of the cases treated therein. The number of return cases were also due to the same cause. No one has as yet availed himself of the privilege granted by the Health Committee of having diphtheria antitoxin gratis for necessitous cases. During 1910 there were 2 deaths from measles, 7 from scarlatina, 10 from whooping cough, 3 from diphtheria and membranous croup, 4 from enteric fever, and 3 from erysipelas. A large mortality from enteric fever for the number of cases notified.

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
1909	.....	10	.....	1	.....	10.00
1910	.....	13	.....	4	.....	30.77

17
TABLE XIII.
ANNUAL DEATH-RATE PER 1,000 FROM ALL CAUSES
AND FROM SEVERAL ZYMOTIC DISEASES
YEAR 1910.

	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 ..	13.4	0.99								106
77 Great Towns	13.4	1.23								115
Boro. of Todmorden	13.9	1.07	0.00	0.07	0.26	0.11	0.38	0.15	0.30	132.5

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
1909	0	1	0	10	1	0	1	13	0.49	1.12
1910	0	2	7	3	10	2	4	28	1.07	0.99

TABLE XV.

The total number of notifications received during 1908

	Small- pox	Scar- la- tina	Diph- ther- ia	Croup	F'vers	Puer- peral Fever	Ery- sip- elas	Tot'
January	0	2	4	0	1	0	1	8
February	0	9	5	0	2	0	2	18
March	0	18	2	1	0	0	2	23
April	0	9	1	1	0	0	2	13
May	0	15	0	3	0	1	2	21
June	0	12	2	0	1	0	1	16
July... ..	0	11	0	0	0	0	2	13
August... ..	0	15	2	0	1	0	1	19
September	0	34	1	0	2	0	1	38
October	0	63	2	0	0	0	2	67
November	0	43	0	0	4	0	5	52
December... ..	0	42	2	1	2	0	3	50
	—	—	—	—	—	—	—	—
		273	21	6	13	1	24	338
	—	—	—	—	—	—	—	—

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	0	0	20	0	1	0	19	0	29	1	1	0	26	0	102
1893	0	0	72	0	1	0	11	0	63	2	2	0	15	0	194
1894	0	0	105	0	2	0	9	0	29	0	0	0	21	0	171
1895	0	0	114	1	1	0	11	0	41	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	24	0	3	0	35	4	0	0	18	0	122
1898	0	0	22	0	3	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	7	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	2	2	0	17	0	239
1908	0	0	100	0	43	0	4	0	16	0	0	0	19	0	182
1909	0	0	42	0	68	0	4	0	10	0	1	0	19	0	144
1910	0	0	272	1	21	0	6	0	13	0	1	0	24	0	338

The following cases from the Borough of Todmorden have been treated in Hospital during the year 1910:—

	Cases.	Deaths.
Fielden Hospital—Diphtheria...	11	0
Fielden Hospital—Typhoid Fever ...	7	2
Fielden Hospital—Scarlatina ...	200	4
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. 1910.

BOROUGH OF TODMORDEN SANITARY DISTRICT.

Water Supply—

Any development during 1910?—72 houses connected to public supply.

Developments still needed?—A good many more houses would be much better if supplied with the public water.

Any complaints as to (a) insufficiency?—Yes; where private supplies are intermittent and short in dry times.

(b) Unsatisfactory quality?—Public water supply excellent.

(c) Plumbo solvent action?—None at present.

Sewerage—

Developments during 1910?—1 mile 1,478 yards of sewers laid.

Developments still needed?—Many houses yet remain to be connected with main sewers—are being taken in rotation.

Sewage Disposal—

Any complaint as to outfall works?—No.

Scavenging—

Any inadequacy, and where?—No.

By-Laws and Regulations—

Any adopted or sanctioned during 1910?—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?—Yes.

What sections?—15, 16, 17, 18, 22, 23, 25, 26, 27, 28, 29, 30, 31, 32, and 33, comprised in Part II.; Sections 34, 36, 37, 39, 40, 41, 42, 46, 47, 49, 50, and 51, comprised in Part III.; Sections 58, 61, and 65, comprised in Part IV.; Part V., Part VI.; and Sections 81 and 86 of Part VII.; and Part VIII.

(c) Other Adoptive Acts?—None this year.

Regulated Buildings, Trades, &c.	No. in District.	No. on Register	No. In- spected	General Conditions.	Legal proceed- ings (if any,.)
Common Lodging Houses....	5	5	91	Fair	
Canal Boats.....			24	Generally satisfactory.	
Slaughter Houses..	20	20	315	Mostly good ; a few unsatisfactory	
Cowsheds.....	223	223	170	Generally in fair con- dition.	
Milk Purveyors....	93	93			
Offensive Trades .. 4 Tripe Boiling 1 Gut Scraping	5	5	30	Fairly satisfactory.	

Cowsheds—

Any special inspection made during 1910?—No. Cowsheds inspected annually.

What arrangement for Veterinary Inspection of Dairy Cows?—None.

Infectious Disease—

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

What arrangements for supply of Antitoxin?—Diphtheria Antitoxin supplied free for necessitous cases.

Isolation Hospital—

Any observation on adequacy or efficiency?—Overcrowded during height of epidemic of scarlet fever.

Is any part used for other purpose than that originally intended?—No.

Schools—

Any investigations undertaken by M.O.H.?—No.

Prevention of Consumption—

What system of notification?—Only such as Poor Law requires.

Its success?—Has no effect so far as I can see.

What arrangement for treatment of Patients on sanatorium lines?—None.

Any Sanitary Inspection of Patients' Houses?—No.

Any Disinfection of ditto?—Yes, by request.

Any Distribution of Advice?—Not this year.

Any Action re Spitting?—No.

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

Housing, Town Planning, etc., Act—

No. of houses inspected during 1910?—647.
 No. of houses represented as unfit for habitation?—5 :
 dealt with under section 15 of H.T.P., etc., Act, 1909.
 No. of houses dealt with by Closing Orders?—None.
 Are there any other houses unfit for habitation?—A few
 blocks scheduled for inspection.
 Is House-to-House Inspection systematically made?—Yes.
 Are records kept in accordance with the "Housing (In-
 spection of District) Regulations, 1910"?—Yes.
 Are there any working-class dwellings erected by the Sani-
 tary Authority?—No.
 Any special activity in house building?—No.
 No. of new houses built during 1910?—58.
 General character?—Cottages.

Infantile Mortality—

What organised effort to control it?—None.
 Is Health Visitor appointed by S.A.?—No.
 By other body?—No.

Nuisances—

Total number of Nuisances in hand at close of 1909?—23.
 At close of 1910?—45.
 Reported during 1910?—361.
 Abated during 1910?—339.
 Total No. of Legal Notices served for Abatement of Nui-
 sances during 1910?—169.
 Total No. of Summonses and other Legal Proceedings?—2.
 No. of Sink wastes disconnected during 1910?—11.
 Trapped?—3.
 No. of Closets newly constructed during 1910?—70.
 Kinds?—Water-closets 66; tub-closets 4.
 No. of Closets reconstructed during 1910?—168.
 Kinds?—Tub-closets converted into water-closets.

Miscellaneous—

Mean Temperature for 1910?—Not known.
 Rainfall?—Fielden Hospital 46.59 ins., Sourhall Hospital
 60.61 ins.
 What mortuary accommodation (a) for accidents, etc.?—
 One. (b) for infectious cases?—Two at hospitals.
 No. of burial grounds?—10.
 Seizures of Unsound Food?—12. Prosecutions?—None.
 No. of Samples of Food and Drugs analysed in 1910?—
 19. Prosecutions?—None.
 No. of Smoke observations taken?—38. Legal Notices?—
 7. Summonses?—1.

Births during 1910—

Males?—229. Females?—254. Total?—483.

No. illegitimate, included in above?—21. No. of Still
Births (not included)?—No record.

Deaths during 1910—

(1) Gross Deaths, i.e., Total actually registered in the
district, without any correction?—365.(2) Nett Deaths, on which the rates are calculated, Males
180; Females 183; Total 363. Number uncertified,
included in the above?—3.Sanitary Requirements of District, and Suggestions of Medical
Officer of Health:—Only what is above referred to.

FACTORIES, WORKSHOPS, LAUNDRIES, WORK- PLACES, AND HOMEWORK.

I.—INSPECTION.

	No. of Inspec- tions.	No. of Written Notices.
Factories (including Factory Laundries)	24	6
Workshops (including Workshop Laundries) ...	95	4
Total	119	10

II.—DEFECTS.

Nuisances under the Public Health Acts:—

	Found	Reme- died
Want of Cleanliness	5	5
Other Nuisances	1	0

Sanitary Accommodation:—

Insufficient	5	4
Unsuitable or Defective... ..	6	8
(2 from previous year).		
Not Separate for Sexes	1	1
Total	18	18

III.—REGISTERED WORKSHOPS.

Workshops on Register at end of year	81
Domestic Workshops	6
Bakehouses	39
Total Number of Workshops on Register ...	126

IV.—OTHER MATTERS.

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

Failure to Affix Abstract of the Factory and Work-
shops Act 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:—

Notified by H.M. Inspector 8

Reports (of action taken) sent to H.M. Inspector 0

Underground Bakehouses:—

Certificates granted during the year 0

In use at the end of the year 11

Sanitary Inspector's Annual Report for 1910.

Town Hall, Todmorden,

April, 1911.

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

Gentlemen,—

I beg to submit my report for the year ending December 31st, 1910, being my Fifteenth Annual Report.

SCAVENGING.

The work of scavenging the Borough has proceeded on the usual lines during the past year. The emptying of a large proportion of the nightsoil into the tank near the Gas Works, from which it is gradually delivered into the main sewer, has proved of great advantage. Since the system got into proper working order, no complaints have been made as to any nuisance arising therefrom, and the saving in the cost of team labour is considerable.

CLOSET ACCOMMODATION IN THE BOROUGH.

The Health Committee is to be congratulated on having at last seriously taken in hand the conversion of tub-closets to the water carriage system. During the last six months of the year, after the re-sewering of the streets on the Roomfield Estate, notices were served for the conversion of 193 tub-closets on this estate into water-closets. Of this number 104 conversions had been carried out by the end of the year, and others were in progress.

In addition 37 conversions have been carried out in other parts of the Borough, chiefly in the Cornholme district, where new sewers have been laid in the streets, and notices have recently been served for the conversion of many others in the same locality.

Practically all the new property erected within the last few years has been put on the water carriage system, so that by continuing the present policy of converting the existing tub-closets to water-closets a great improvement in the sanitary condition of the Borough may be anticipated within the next few years.

The number and kind of existing closets in the Borough are approximately as follows:—

Tub Closets	2,479
Water Closets	2,044
Waste Water Closets	415
Trough Closets	126
	5,064

SALE OF FOOD AND DRUGS ACTS.

Under the above Acts, 19 samples of new milk were taken and forwarded to the Public Analyst for the West Riding, who reported that all the samples were genuine.

The average percentage of fat in the nineteen samples was 3.63, and of non-fatty solids 9.12. The variations were from 3.01 to 4.71 per cent. of fat, and from 8.59 to 9.47 per cent. of non-fatty solids. (The standard fixed by the Board of Agriculture is 3 per cent. fat, and 8.5 per cent. non-fatty solids).

The figures show the milk supply of the Borough generally to be of good quality.

SMOKE OBSERVATIONS.

Forty-one observations, of one hour's duration each, were taken of factory chimneys. In six 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 subsequent inspections were for the most part of a more favourable character. In the case of one mill, however, no improvement resulted, and other unfavourable observations having been taken and reported to the Council, legal proceedings were taken against the firm, and an order of abatement with costs, was obtained.

CANAL BOATS.

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

The following two contraventions of the Canal Boats Act or Regulations were met with:—

One boat needed renewal of paint in both cabins.

One boat with no date on certificate.

In both cases the infringements were brought to the notice of the owners of the boats, and have been remedied.

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-four factories was inspected; and ninety-five inspections of workshops (including bakehouses) were made.

The defects met with may be classified as follows:—

Factories with insufficient closet accommodation	4
Factories with defective or unsuitable closet accommodation	2
Factories with dirty sanitary conveniences	3
Workshops requiring Limewashing & Cleansing	5
Workshops requiring repairs	1
Workshops with no separate closet accommodation	1
Workshops with no closet accommodation	1
Workshops with defective sanitary conveniences...	1

In two cases no action was taken by the Health Committee. In the remaining cases the various defects have been remedied with the exception of two, which are having attention.

INFECTIOUS DISEASES.

A total of 278 inspections were made with respect to the occurrence of 260 cases of Scarlet Fever, 12 cases of Typhoid Fever, 24 cases of Diphtheria, and 3 of Membranous Croup. In only a few of the cases of typhoid fever and diphtheria were any insanitary conditions found at the houses occupied by the patients, and in these cases the defects, relating chiefly to drainage and in one case to water supply, have been made good. The cases of these two diseases were scattered over the Borough, and in no case could a connection with a previous one be traced.

Of the scarlet fever cases, a large proportion occurred amongst the scholars attending the Roomfield Elementary School, over 70 cases being notified amongst these scholars during the four months ending 31st December, 1910.

This and other schools were regularly fumigated during the epidemic by the staff of the Health Department.

In one case proceedings were taken against the parents of a child who was sent to school and otherwise exposed, whilst in the peeling stage of scarlet fever, and a conviction obtained.

HOUSE DRAINAGE.

During the year practically all the old sewers on the Roomfield Estate were abolished, or, where fit for the purpose, retained for surface water only, and new sewers provided in their place. Several of the streets in the Cornholme district were similarly dealt with. As a result, in both districts, a large number of defective drains have been relaid, properly trapped, and connected to the new sewer.

In addition the conversion of the existing closet accommodation to the water-carriage system made good progress in the latter half of the year, as previously mentioned.

This question is having my attention, and at the end of another year I hope to be able to report still further progress in this direction.

The sewerage of Hollins Road in Walsden, where no sewer previously existed, has also been carried out during the year, and the connection of house drains to the new sewer is at present having attention.

As a result the nuisance caused by the discharge of sewage on to the hillside will soon be a thing of the past.

A considerable amount of routine work in the cleansing and repairing of drains for the abatement of nuisances has been also carried out during the year under my supervision.

UN SOUND FOOD.

The unsound food condemned and destroyed during the year included the fore-quarters of two cows, and several diseased organs of pigs, cows, etc. In all cases the animals were tuberculous. In some instances the diseased carcasses were met with in the course of my visits to the slaughter-houses on killing-days; in others I was sent for by the butchers to examine the slaughtered animals.

DAIRIES AND COWSHEDS.

During the year 170 farms have been visited, with 279 shippens, and 80 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 in dirty state	9
Cowsheds with interiors in bad repair	2

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	3
Cowsheds limewashed and cleansed	7
Cowsheds provided with proper lighting and ventilation	1
Cowsheds provided with proper drainage	1

Amongst the farmers generally, the necessity for cleanliness, both in the cowsheds and in connection with the storage and distribution of milk, is becoming more and more recognised. In a few cases I noticed the adoption of the very desirable practise of wearing clean overalls when milking.

The attention which has been drawn to the milk question in recent years has undoubtedly had a good effect in raising the standard of cleanliness in the premises from which milk, etc., are supplied to the public.

HOUSING AND TOWN PLANNING ACTS.

The powers conferred by section fifteen of the above Act have been found very useful in securing the removal of defects and the improvement of conditions which it was difficult to effect under the powers previously possessed under the Public Health Acts. The general character of most of the cottage property in the Borough is good, especially that erected in recent years, but in some parts of the Borough houses of an old type occur, and it is in regard to these more especially that the new powers are likely to be of the greatest service.

A total of 647 inspections were made during the year in the course of a systematic house-to-house survey, chiefly in the

Roomfield, Hollins Road, and Cornholme districts. The laying of new street sewers in these districts made it possible to remedy many defects arising from faulty house drains, and to secure the conversion of a large number of tub-closets to the water-carriage system, as already reported. Towards the end of the year, a group of cottages in Cobden, which had been allowed to fall into very bad internal repair, was inspected and notices served on the owner to make the houses reasonably fit for habitation.

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 1910.

Inspections of Premises:—Total	2679
1. For nuisances, etc.	442
2. Where infectious disease has occurred	278
3. Where offensive trades are carried on	30
4. Inspections of workshops	20
5. Inspections of factories	24
6. Inspection of bakehouses	75
7. Inspection of cowsheds	289
8. Inspection of common lodging houses	91
9. Inspection of slaughter houses	315
10. Inspection of canal boats	24
11. Inspection of water supplies	12
12. Inspection of work in progress	186
13. Inspections in course of house-to-house survey	647
14. Reinspections as to compliance with notices	239
15. Inspections of ice cream manufactories	7
No. of premises disinfected after infectious disease	241
Smoke test applied to drains	40
Smoke observations taken	38
Samples of milk taken for analysis	19
Samples of water taken for analysis	5
No. of complaints investigated	133
Cases abated under preliminary notice	206
Cases abated under statutory notice	133
No. of preliminary notices served	262
No. of statutory notices served	169

SUMMARY OF WORKS CARRIED OUT IN COMPLI-
ANCE WITH NOTICES, etc., DURING THE YEAR 1910.

House Drainage—

1. Waste pipes disconnected from house drains	11
2. Waste pipes trapped	3
3. House drains repaired, cleansed, etc.	78
4. New pipe drains provided	79
5. House drains connected to sewer	66
6. Cellar drains abolished	18

Sanitary Conveniences—

1. Tub closets converted into water-closets	156
2. New water-closets provided	66
3. New tub-closets provided	4
4. Closets repaired, cleansed, etc.	26
5. Urinals provided	1
6. Urinals repaired, cleansed, etc.	1

Factories, Workshops, and Bakehouses—

1. Existing sanitary accommodation in factories improved	4
2. Factories provided with sufficient and suitable closet accommodation	4
3. Workshops ditto	3
4. Workshops cleansed, limewashed, etc.	2

Cowsheds and Dairies—

1. Cowsheds provided with improved ventilation ...	1
2. Cowsheds provided with improved drainage ...	1
3. Cowsheds cleansed, limewashed, etc. ...	7
4. Shippon floors relaid	3

Miscellaneous—

No. of schools disinfected	25
No. of seizures of unsound food	12
No. of houses cleansed, repaired, limewashed, etc....	14
No. of cases of overcrowding abolished	9
No. of accumulations of manure, house refuse, etc., removed	25
No. of yards repaired, flagged, asphalted, etc.	1
No. of ash-pits closed	2
Pollutions of water supply remedied	4
Water supplies properly piped	1

F. ROGERS, Sanitary Inspector.