



COUNTY BOROUGH OF BRADFORD.

REPORT

ON THE

HEALTH OF BRADFORD

FOR THE YEAR 1895,

BY

W. ARNOLD EVANS, M.D.,

MEDICAL OFFICER OF HEALTH,

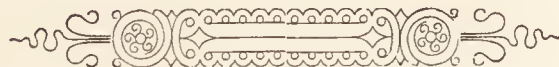
TOGETHER WITH THE REPORT ON THE

INFECTIOUS DISEASES HOSPITAL

BY

A. E. FOSTER, M.R.C.S., ENG.,

MEDICAL SUPERINTENDENT



BRADFORD:

M. FIELD AND SONS, TYP., GODWIN STREET PRINTING WORKS.

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(Meets Every Wednesday at 5 p.m.)

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Fever Hospital Committee, 1895.

(Meets Last Tuesday in Each Month.)



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T. PRESTON, Chief Building Inspector.

H. E. CRAVEN, Assistant ,, ,,

I. INGHAM, ,, ,,

F. GLEDHILL, ,, ,,

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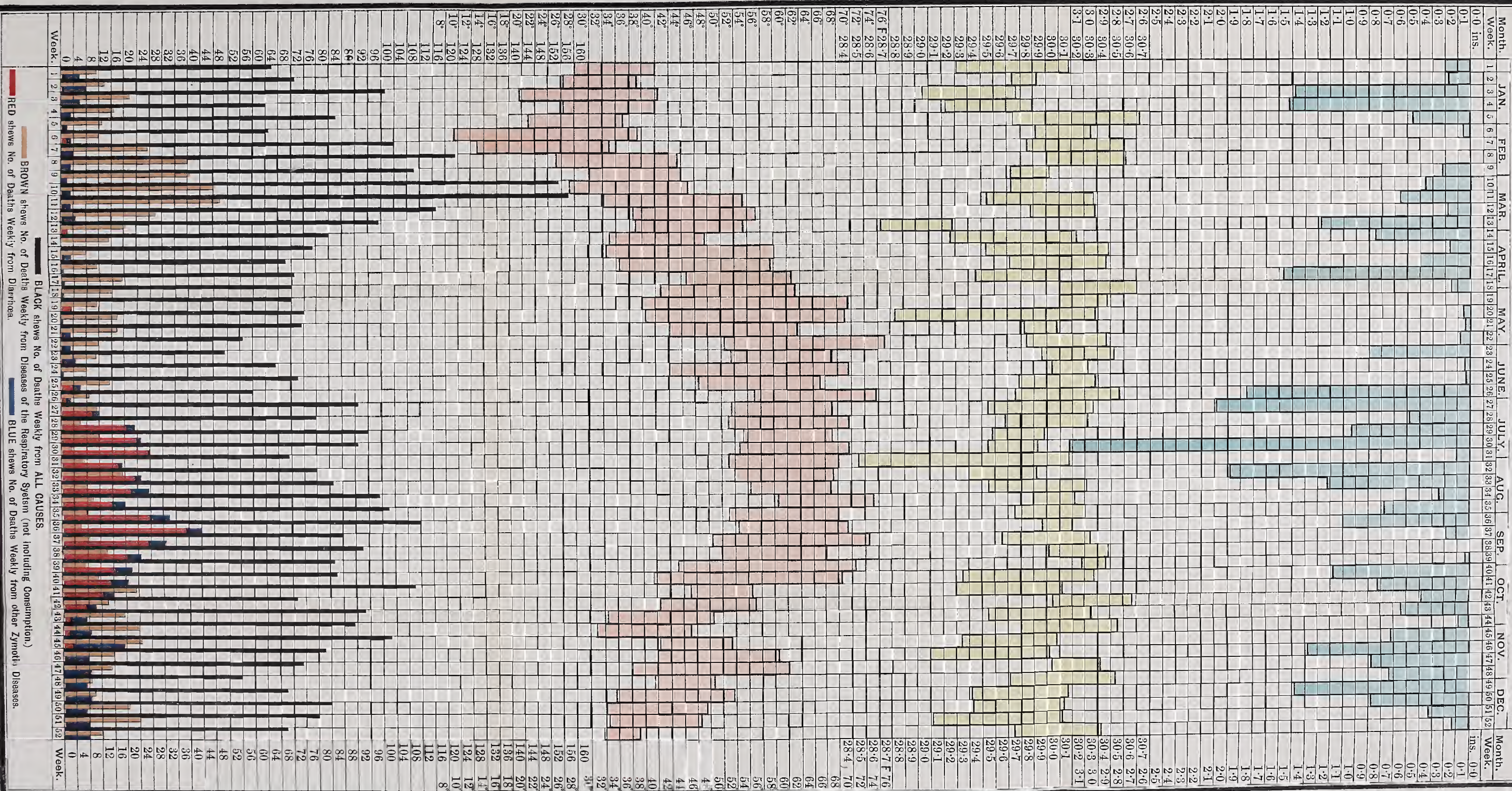
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COUNTY BOROUGH OF BRADFORD.

Chart shewing principal Meteorological Conditions and Death-rate during each Week of the Year 1895.



Month.	JAN.	FEB.	MAR.	APRIL.	MAY.	JUNE.	JULY.	AUG.	SEP.	OCT.	NOV.	DEC.																																								
Week.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52

THESE FIGURES REFER TO THE NUMBER OF DEATHS.

WEEKLY RANGE OF TEMPERATURE.

BAROMETRIC READINGS.

RAINFALL.

THESE FIGURES REFER TO THE NUMBER OF DEATHS.

WEEKLY RANGE OF TEMPERATURE.

BAROMETRIC READINGS.

RAINFALL.

RED shows No. of Deaths Weekly from Diphtheria.
 BROWN shows No. of Deaths Weekly from Diseases of the Respiratory System (not including Consumption).
 BLACK shows No. of Deaths Weekly from ALL CAUSES.
 BLUE shows No. of Deaths Weekly from other Zymotic Diseases.



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VITAL STATISTICS.

POPULATION.

THE population of the County Borough of Bradford as estimated by the Registrar General to the middle of the year 1895 was 226,384. The increase on the year previous amounted to 2,399 persons, the natural increase, *i.e.*, the excess of births over deaths being 1,411, or 58·8 per cent. of the total increase, the remainder, *viz.* 988 or 41·2 per cent., being accounted for by immigration.

Table I. shows the progressive increase of the population since 1882 ; also the birth-rate, total death-rate, and death-rate from zymotic diseases during the same period.

TABLE I.—*Shewing corrected Population, Birth-rate, and Mortality Rates from 1882-1895.*

YEAR.	Corrected Estimate of Population to middle of each year.	ANNUAL RATE PER 100 LIVING.		
		Birth-Rate.	Death-Rate.	Zymotic-Rate.
1882	197,103	31·59	21·01	3·2
1883	199,214	29·88	18·77	1·5
1884	201,347	30·86	21·13	2·6
1885	203,504	30·55	18·62	1·5
1886	205,684	30·55	20·35	2·3
1887	207,887	29·83	21·44	2·9
1888	210,113	29·82	18·66	1·6
1889	212,364	29·53	21·15	2·9
1890	214,634	29·10	23·21	2·3
1891	216,938	28·64	22·12	2·35
1892	219,262	27·18	17·91	1·46
1893	221,610	27·58	20·90	3·22
1894	223,985	26·60	16·95	1·65
1895	226,384	26·03	19·80	2·47

From Table II., showing the distribution of the population in the Wards of the Borough, it is seen that the West Ward is the most densely populated, and Allerton Ward the least so.

TABLE II.

WARDS.	Population.	Acreage.	Persons per Acre.
North	13,376	372	35·9
South	13,732	308	44·6
East	16,305	392	41·6
West	14,869	166	89·5
Listerhills	19,563	320	61·1
Great Horton	15,457	1283	12·0
Little Horton	16,014	428	37·4
East Bowling	16,808	557	30·2
West Bowling... ..	18,050	1004	18·0
Exchange	6,072	117	43·4
Bradford Moor... ..	18,332	674	27·2
Manningham	23,510	457	51·5
Bolton	8,816	994	8·9
Heaton	16,855	879	19·2
Allerton	9,625	2815	3·4
BOROUGH TOTAL	226,384	10,776	21·0

MARRIAGES.

The returns kindly supplied to me by Mr. Crowther, Clerk to the Bradford Board of Guardians, and by Mr. Helmsley, Clerk to the North Bierley Board of Guardians, shew that during the year 1895 there were 2,053 marriages solemnized in the Borough. The annual rate of persons married per 1000 of the population is therefore 18·1. The rate in London was 17·1.

TABLE III.

Periods.	Number of Marriages.	Proportion of Marriages to Population.
1891	2,171	1 in 99
1892	2,059	1 in 106
1893	1,944	1 in 114
1894	2,035	1 in 110
1895	2,053	1 in 110

BIRTHS.

The number of births registered during the 52 weeks ending December 28th, 1895, was 5,894, consisting of 3,013 males and 2,881 females, equivalent to a birth-rate of 26·03 per 1000 of the population. Reference to Table I. shows that there has been a continued decrease in the birth-rate since the year 1882, and that the rate for the present year is the lowest yet recorded.

TABLE IV.

Shewing Birth-rates in Bradford and other 8 large towns for 52 weeks, ending December 26th, 1895.

Towns in order of magnitude of Rates.	Birth-rate per 1000.
Liverpool	36·9
Sheffield	34·9
Manchester	33·7
Birmingham	32·4
Leeds	31·6
33 Large Towns	31·3
London	30·5
Nottingham	29·7
Bristol	28·9
Bradford	26·03

Table IV. shows that the birth-rate in Bradford is very much lower than that of the eight largest manufacturing towns in the country and is 20 per cent. below the average birth-rate for the thirty-three great towns of England.

Table V. shows the distribution of births in the various Wards of the Borough. It is seen that the rates vary from 30·9 and 30·6 per 1,000 in Bradford Moor and South Ward respectively to 20·5 and 19·3 per 1,000 in Exchange and Listerhills Wards.

TABLE V.
Shewing the Births and Birth-rate in the Borough of Bradford in each of the 15 Wards in 1895.

WARDS.	MALES.			FEMALES.			MALES AND FEMALES.			Birth-rate per 1000.
	Legitimate.	Illegitimate.	TOTAL.	Legitimate.	Illegitimate.	TOTAL.	Legitimate.	Illegitimate.	TOTAL.	
North ...	182	12	194	160	16	176	342	28	370	27.7
South ...	190	16	206	193	21	214	383	37	420	30.6
East ...	217	7	224	225	9	234	442	16	458	28.1
West ...	167	17	184	150	22	172	317	39	356	23.9
Listerhills ...	186	10	196	174	8	182	360	18	378	19.3
Great Horton...	172	4	176	183	2	185	355	6	361	23.3
Little Horton...	199	37	236	195	25	220	394	62	456	28.4
East Bowling...	216	14	230	232	15	247	448	29	477	28.4
West Bowling..	282	12	294	233	7	240	515	19	534	29.6
Exchange ...	46	4	50	46	8	54	92	12	104	20.5
Bradford Moor	257	12	269	279	18	297	536	30	566	30.9
Manningham ...	315	15	330	276	14	290	591	29	620	26.4
Bolton ...	111	2	113	94	1	95	205	3	208	23.6
Heaton ...	193	7	200	162	5	167	355	12	367	21.7
Allerton ...	108	3	111	106	2	108	214	5	219	22.7
BOROUGH TOTAL	2841	172	3013	2708	173	2881	5549	345	5894	26.03

Table VI. shows the number of births with corresponding birth-rates in the different quarters of the year.

TABLE VI.

Shewing number of Births and Birth-rates in each quarter of 1895.

1895.	Males.	Females.	TOTAL.	Birth-rate per 1000 living.
1st Quarter ...	769	750	1519	26.9
2nd ,, ...	802	743	1550	27.5
3rd ,, ...	782	734	1516	26.9
4th ,, ...	655	654	1309	23.2

Of the total number of births 345 were those of illegitimate children. Tables VII. and VIII. show the condition of the population in reference to illegitimacy during the past five years. During the year, ending December 1895, the highest proportion of illegitimate births occurred in the Exchange and West Wards and the lowest in Bolton and Great Horton.

TABLE VII.

Shewing the Illegitimate Births and Birth-rate in Bradford during each of the five years 1891-1895 inclusive.

Year.	Illegitimate Births.	Per cent. of Total Births.
1891	362	5.8
1892	329	5.5
1893	320	5.2
1894	331	5.5
1895	345	5.8

TABLE VIII.

Shewing proportion of Illegitimate Births in each Ward during 1895.

WARDS.	* Proportion of Illegitimate Births to Total Births.
North	1 in 11·7
South	„ 10·1
East	„ 25·4
West	„ 8·1
Listerhills	„ 18·7
Great Horton	„ 53·9
Little Horton	„ 15·5
East Bowling... ..	„ 14·6
West Bowling	„ 25·1
Exchange	„ 7·7
Bradford Moor	„ 16·8
Manningham	„ 19·0
Bolton	„ 61·2
Heaton	„ 27·2
Allerton	„ 39·1
BOROUGH TOTAL	1 in 17·1

* Illegitimate Births in Workhouse distributed among the Wards.

DEATHS.

The number of deaths from all causes registered during 1895 was 4483, of which 2265 were of males and 2218 of females. The total death-rate is therefore 19·80 per 1000 of the population, but if the deaths which occurred in the Public Institutions of the town of those who were not resident in Bradford be deducted, the death-rate is 19·70 per 1000.

The average total death-rate in the thirty-two large towns was 21.2 or 7.7 per cent. higher than that of Bradford.

Table IX. gives births, deaths, and rates since the year 1882.

TABLE IX.

YEAR.	Estimated Population in the middle of each year.	Births.	Deaths.	Annual Rate per 1000 living.	
				Births.	Deaths.
1882	197,103	6225	4142	31.59	21.01
† 1883	199,214	5953	3741	29.88	18.77
1884	201,347	6216	4255	30.86	21.13
1885	203,604	6218	3791	30.65	18.62
1886	205,684	6285	4187	30.55	20.35
1887	207,887	6202	4458	29.83	21.44
1888	210,113	6266	3922	29.82	18.66
1889	212,364	6272	4492	29.53	21.15
† 1890	214,634	6247	4982	29.10	23.21
1891	216,938	6214	4800	28.64	22.12
1892	219,262	5959	3927	27.18	17.91
1893	221,610	6112	4632	27.58	20.90
1894	223,985	5960	3797	26.60	16.95
1895	226,384	5894	4483	26.03	19.80

† In these years the births and deaths are those registered in 53 weeks.

TABLE X.

Comparative Table shewing the Estimated Population, Birth-rate, Death-rate, and Infantile Death-rate in each of the Ten largest towns of England and Wales (these having a population of over 200,000) for the year 1895.

	Estimated population to middle of 1895.	Birth-rate.	Death-rate.	Zymotic rate.	Deaths of Infants to 1000 Births.
London	4,392,346	30·5	19·8	2·6	166
Manchester... ..	524,865	33·7	25·2	3·7	203
Liverpool	503,967	36·9	28·8	4·0	210
Birmingham ...	496,751	32·4	20·3	2·7	183
Leeds	395,546	31·6	20·5	2·7	191
Sheffield	342,768	34·9	20·5	3·2	197
Bristol	228,139	28·9	18·1	1·3	143
Nottingham ...	226,658	29·7	19·0	2·2	190
Bradford ...	226,384	26·0	19·8	2·5	203
Hull	216,722	34·2	20·8	3·3	205

Mortality in the Wards.

In Table X. is given the mortality rates in the Wards of the Borough. They range from 25·2 per 1000 in the South Ward to 14·8 in Bolton and 15·3 in Heaton.

TABLE XI.

Shewing the mortality rates in the various Wards.

WARDS.	Total death-rate per 1000 living.
North	17·1
South	25·2
East	19·3
West	24·1
Listerhills	17·1
Great Horton	19·2
Little Horton	18·6
East Bowling	22·6
West Bowling	21·3
Exchange	19·3
Bradford Moor	20·3
Manningham	19·8
Bolton	14·8
Heaton	15·3
Allerton... ..	16·4
BOROUGH TOTAL	19·80

The mortality rates in the four quarters of the year are shewn in Table XII.

TABLE XII.

	Zymotic Diseases.	Consumption.	Lung Diseases excluding Consumption.	From all causes.
First Quarter ..	0·9	1·8	6·1	23·4
Second Quarter...	0·5	1·8	3·0	16·1
Third Quarter ...	6·0	1·5	2·1	20·9
Fourth Quarter...	2·4	1·4	3·9	19·0
Whole Year	2·47	1·62	3·0	19·80

Ages at Death.

INFANTILE MORTALITY.—There occurred during the year the deaths of 1,196 infants under twelve months of age. This means that out of every 1000 children born, 203 died before completing the first year of life. The large number of deaths from summer diarrhoea is the chief cause of this huge mortality in children.

In the thirty-three largest towns the infantile death-rate averaged 182 per 1000 births. The rates ranged from 134 per 1000 in Croydon to 248 per 1000 in Preston.

TABLE XIII.

Rates of Mortality of Children under 1 year of age, from Chief Infantile Diseases per 1000 Births.

	1893.		1894.		1895.	
	Deaths.	Rate per 1000 Births.	Deaths.	Rate per 1000 Births.	Deaths.	Rate per 1000 Births.
From all Causes	1211	198	860	144	1197	203
Lung Diseases ..	274	44	188	32	186	31
Convulsions ..	173	28	128	21	197	33
Atrophy and Debility... ..	185	30	139	23	166	28
Premature Birth.	143	23	122	20	125	21
Diarrhœa	187	31	33	5	246	42
Whooping Cough	46	8	23	4	42	7
Tuberculous Disease	37	6	23	4	31	5
Measles	21	3	31	5	3	0.5

The infantile mortality in the Wards is shewn in Table XIV. to vary between 100 per 1000 births in Allerton to 386 in the South Ward.

TABLE XIV.

Shewing number of Deaths of Infants under 1 year of age and the Death-rate per 1000 Births in each Ward.

WARDS.	Deaths of Infants under 1 year of age.	Death-rate per 1000 Births.
North	80	216
South	110	386
East... ..	89	195
West	117	329
Listerhills	68	180
Great Horton	54	149
Little Horton	101	221
East Bowling	93	195
West Bowling	109	205
Exchange	31	298
Bradford Moor	110	194
Manningham	117	189
Bolton	28	135
Heaton... ..	67	183
Allerton	22	100
BOROUGH TOTAL	1196	203

TABLE XV.
*Seasonal and Infantile Mortality.**

WARDS.	QUARTERS.				Total Deaths	Deaths under 5 years of age.	Percentage of Deaths under 5 years to total deaths.	Percentage of Deaths under 1 year to total births.
	Mar.	June.	Sept.	Dec.				
North	74	50	82	50	256	117	45·7	21·6
South	84	65	93	65	307	148	48·2	26·2
East	86	54	72	67	279	123	44·1	19·6
West	81	57	88	92	318	154	48·4	32·8
Listerhills	85	75	70	66	296	98	33·1	18·0
Great Horton ..	75	53	71	65	264	96	36·4	14·9
Little Horton ...	73	56	73	63	265	114	43·0	22·1
East Bowling ...	116	58	90	73	337	139	41·2	19·5
West Bowling ...	117	69	86	69	341	154	45·1	20·4
Exchange	22	16	22	27	87	42	48·3	29·8
Bradford Moor ...	78	69	93	89	329	161	48·9	19·4
Manningham ...	120	68	120	105	413	178	43·1	18·9
Bolton	27	36	31	22	116	37	31·9	13·4
Heaton	75	36	49	68	228	73	32·0	18·2
Allerton	45	23	35	37	140	43	30·7	10·0
Public Institutions	163	126	103	115	507	79	...	...
BOROUGH TOTAL	1321	911	1178	1073	4483	1756	39·2	20·3

* In this table the deaths occurring in the Public Institutions have been deducted from the Wards in which the Institutions are situate and classified together.

TABLE XVI.

Shewing the proportion of Deaths of Children under 1 year and under 5 in the Borough of Bradford, during the 19 years 1877-95.

YEARS.	Deaths under 1 year per 1000 Births.	Deaths under 1 year per 100 Deaths at all ages.	Death-rate under 5 years per 1000 living at that age.	Death-rate under 5 years per 100 deaths at all ages.
1877	157	27.1	78.6	44.3
1878	178	25.9	85.7	47.4
1879	152	23.5	74.3	42.4
1880	176	27.2	82.2	48.0
1881	154	25.8	56.4	40.7
1882	174	27.0	71.4	45.9
1883	147	23.4	50.5	36.8
1884	181	34.2	62.1	41.2
1885	144	23.6	49.9	37.7
1886	168	25.1	59.4	41.5
1887	179	24.9	62.0	41.6
1888	153	24.6	50.0	39.0
1889	181	25.3	60.8	42.6
1890	169	21.2	55.8	35.9
1891	181	23.4	57.2	39.0
1892	155	23.5	44.8	37.4
1893	198	26.1	79.5	39.7
1894	144	22.6	59.2	36.1
1895	203	39.2	75.9	39.2

Deaths in Public Institutions.

The number of deaths that took place in the Public Institutions of the Borough, amounted to 507, consisting of 300 males and 207 females, distributed as follows: -

	Males.	Females.	Total.
Scholemoor Hospital	—	—	—
St. Catherine's Home	—	14	14
Children's Hospital	17	10	27
Fever Hospital	29	17	46
Infirmary	99	67	166
Workhouse	155	99	254
	<u>300</u>	<u>207</u>	<u>507</u>

Infectious Diseases.

The number of deaths attributed to this class of diseases is 561, as compared with a total of 371 for the previous year. Reference to Table XVII. shows the increase to be due to an excessive number of deaths from diarrhœa.

TABLE XVII.

Showing number of Deaths from Zymotic Diseases in Bradford during the years 1886-1895.

DISEASES.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	Total in 10 years for each Disease.
Small-pox ... ..	...	...	2	1	...	...	4	113	27	...	147
Measles	103	124	120	113	208	81	62	68	111	17	1007
Scarlet Fever	89	98	33	63	46	143	45	71	72	25	685
Diphtheria	9	13	7	12	8	13	10	19	13	18	122
Whooping Cough... ..	13	150	38	178	50	133	90	97	63	98	910
Typhus Fever ... ..	...	...	...	1	...	2	...	..	...	...	3
Typhoid Fever	35	32	19	48	31	27	18	48	31	39	328
Other or doubtful Fevers	3	1	7	4	3	5	1	5	1	3	33
Diarrhoea	235	202	131	205	154	106	91	292	53	361	1830
Total Zymotic Diseases } each year	487	620	357	625	500	510	321	713	371	561	5065

The death-rate from Zymotic diseases amounts to 2·478 per 1000 of the population, and is made up as follows:—

TABLE XVIII.—Zymotic Diseases.

DISEASES.	Deaths.	Death-rate per 1000.
Small-pox ... ..	...	...
Measles	17	·751
Scarlet Fever	25	·110
Diphtheria	18	·079
Whooping Cough	98	·433
Typhus Fever ... ..	...	...
Typhoid Fever	39	·172
Diarrhœa	3	·013
“Fever”	361	1·594
TOTAL	561	2·478

The Zymotic rate for the thirty-three great towns was 2·8 per 1000, or 16 per cent. more than the rate in Bradford. According to the Registrar-General's return the rates varied from 1·2 per 1000 in Huddersfield to 5·6 per 1000 in Blackburn. Amongst the Wards Table XXXI. shews that the Zymotic rate ranged from 1·2 and 1·3 in Heaton and the East Wards to 3·6 in the West and Bradford Moor Wards, and 3·7 in the South Ward.

TABLE XX.

Deaths from Whooping Cough.

WARDS.	QUARTERS.								Year 1895.		
	March.		June.		Sept.		Dec.		M.	F.	Total.
	M.	F.	M.	F.	M.	F.	M.	F.			
North...	1	...	1	1	1	..	...	1	3	4
South... ..	1	..	...	...	...	...	2	1	3	1	4
East	1	...	1	1
West	4	3	4	8	8	16
Listerhills	4	...	...	..	..	1	4	1	8	9
Great Horton	1	3	...	3	1	6	7
Little Horton	1	...	...	2	...	...	5	2	6	8
East Bowling	1	...	..	1	2	1	3	4
West Bowling	3	2	..	1	3	3	6
Exchange	1	...	...	1	1	1	2
Bradford Moor...	1	2	3	1	4	3	7
Manningham	1	...	2	4	5	2	5	6	13	19
Bolton	1	1	1	1	2	3
Heaton	1	1	1	1	2	2	4
Allerton	3	1	3	1	4
BOROUGH TOTAL	1	7	...	4	14	19	22	31	37	61	98

Ages at Death.

Under 1 Year.	1—	2—	3—	4—	5—	10—	15—	20—	30—	40—	50—	All Ages.
42	31	13	5	2	5	..	...	...	..	..	..	98

TABLE XXI.
Deaths from Diphtheria.*

WARDS.	QUARTERS.								Year, 1895.		
	March.		June.		Sept.		Dec.		M.	F.	Total.
	M.	F.	M.	F.	M.	F.	M.	F.			
North...
South...	1	...	...	...	...	...	1	1
East	1	...	1	1	...	...	...	1	2	3
West	1	...	...	...	...	...	...	1	1	1	2
Listerhills
Great Horton
Little Horton
East Bowling	1	...	...	...	...	...	1	1
West Bowling	1	...	1	1
Exchange
Bradford Moor ..	1	1	1	...	1	...	...	...	3	1	4
Manningham	1	2	...	1	1	3	4
Bolton
Heaton
Allerton	1	...	...	1	...	1	1	2
BOROUGH TOTAL	2	2	1	4	3	2	1	3	7	11	18

Ages at Death.

Under 1 Year.	1—	2—	3—	4—	5—	10—	15—	20—	30—	40—	50—	All Ages.
1	2	2	1	5	5	...	..	1	1	...	...	18

*Deaths in Public Institutions are referred to in the Wards from whence the patients came.

TABLE XXII.
Deaths from Scarlet Fever

WARDS.	QUARTERS.								Year 1895.		
	March.		June.		Sept.		Dec.		M.	F.	Total.
	M.	F.	M.	F.	M.	F.	M.	F.			
North ... ..	...	...	...	...	...	...	1	...	1	...	1
South ... ..	...	1	...	...	...	...	...	...	...	1	1
East . . . . .	...	1	...	...	2	...	...	1	2	2	4
West	1	...	...	...	...	...	...	1	1	1	2
Listerhills ... ..	...	...	...	...	...	...	...	...	...	...	...
Great Horton ..	...	...	...	...	...	...	2	...	2	...	2
Little Horton ..	1	...	1	...	...	...	...	...	2	...	2
East Bowling .	1	...	...	1	1	...	1	...	3	1	4
West Bowling .	1	...	1	...	...	...	...	...	2	...	2
Exchange ... ..	...	...	...	...	...	...	...	...	...	...	...
Bradford Moor ..	...	...	1	...	...	...	...	...	1	...	1
Manningham ..	...	1	1	...	...	...	1	1	2	2	4
Bolton ... ..	...	...	...	...	...	...	...	...	...	...	...
Heaton ... ..	...	...	...	...	...	...	1	...	1	...	1
Allerton ... ..	...	...	...	...	...	...	...	1	...	1	1
BOROUGH TOTAL	4	3	4	1	3	...	6	4	17	8	25

<i>Ages at Death.</i>												
Under 1 year.	1—	2—	3—	4—	5—	10—	15—	20—	30—	40—	50—	All Ages.
2	4	4	5	2	8	...	...	...	...	...	...	25

* Deaths in Public Institutions are referred to in the Wards from whence the patients came.

TABLE XXIII.
Deaths from Diarrhœa.

WARDS.	QUARTERS.								Year 1896.		
	March.		June.		Sept.		Dec.		F.	M.	Total.
	M.	F.	M.	F.	M.	F.	M.	F.			
North...	8	11	1	...	9	11	20
South...	1	..	1	16	15	3	2	19	19	38
East	7	5	1	3	8	8	16
West	1	1	..	2	8	13	5	1	14	17	31
Listerhills	1	2	7	9	...	1	8	12	20
Great Horton	1	7	9	...	...	7	10	17
Little Horton	1	1	...	11	14	2	2	14	17	31
East Bowling	1	...	2	18	12	3	1	21	16	37
West Bowling	1	10	11	4	1	14	13	27
Exchange	3	2	1	1	4	3	7
Bradford Moor...	18	19	3	5	21	24	45
Manningham	2	1	1	1	14	18	2	1	19	21	40
Bolton	5	2	...	...	5	2	7
Heaton	10	3	3	...	13	3	16
Allerton	5	3	...	1	5	4	9
BOROUGH TOTAL	3	5	3	10	147	146	28	19	181	180	361

Ages at Death.

Under 1 Year.	1—	2—	3—	4—	5—	10—	15—	20—	30—	40—	50—	All Ages.
246	68	10	3	1	1	1	1	1	3	2	24	361

TABLE XXIV.

*Deaths from other Zymotic Diseases.**

WARDS.	Influenza.		Erysipelas.		Syphilis.		Rheumatic Fever.		Puerperal Fever.		1895.
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Total.
North	4	3	1	1	2	2	...	1	...	2	16
South	4	4	...	...	...	...	1	...	...	...	9
East	5	2	1	1	1	...	1	...	...	2	13
West	5	8	.	...	2	...	2	...	...	...	17
Listerhills	4	5	..	2	1	2	...	3	...	...	17
Great Horton ..	7	2	1	..	3	...	2	2	...	...	17
Little Horton ..	3	4	...	...	...	2	1	1	...	...	11
East Bowling ...	4	2	1	...	1	1	1	2	...	...	12
West Bowling ...	3	6	...	...	2	2	...	1	...	2	16
Exchange	3	2	...	...	1	2	...	2	...	...	10
Bradford Moor ...	3	3	...	...	1	1	...	...	...	1	9
Manningham ...	4	6	1	...	2	...	2	...	...	...	15
Bolton	1	2	...	...	...	...	1	...	...	3	7
Heaton	4	6	...	...	...	...	1	1	...	1	13
Allerton	3	2	...	...	...	...	...	...	...	...	5
BOROUGH TOTAL	57	57	5	4	16	12	12	13	...	11	187

* Deaths in Public Institutions are referred to in the Wards from whence the patients came.

TYPHOID FEVER.—There came to the knowledge of the Health Department, 177 cases of Typhoid Fever during the year 39 of which proved fatal. Further details of these cases are given in the Table appended.

TABLE XXV.

Shewing number of cases, deaths and case-mortality from Typhoid Fever during the year 1895.

AGE.	CASES.		DEATHS.		Death-rate per cent.
	Males.	Females.	Males.	Females.	
Under 5	3	3	1	..	16·7
5—10	6	4	...	...	...
10—20	32	31	3	9	19·0
20—30	30	24	7	6	23·3
30—40	12	15	4	5	33·3
40—50	7	6	1	2	23·1
50 and upwards	3	1	1	...	25·0
ALL AGES...	93	84	17	22	22·0

TABLE XXVI.

Shewing number of deaths and percentage mortality from Typhoid Fever during each of the last 10 years.

YEARS.	No. of Deaths.	Deaths per 100 cases notified.
1886	35	22·0
1887	32	20·9
1888	19	18·1
1889	48	28·7
1890	31	21·5
1891	27	17·2
1892	18	22·5
1893	48	22·3
1894	31	22·0
1895	39	22·0

TABLE XXVII.

Notification of Typhoid Fever in different Streets, 1895.

NORTH WARD.

1, Bolton Road.	2, Dunn's Square.
1, King Charles Street.	1, Mab Street.
1, North Wing.	1, Spink Street.
1, Temperance Street.	1, Wapping Road.
1, Otley Road.	

SOUTH WARD.

2, Birk Street.	1, Maudsley Street.
1, Knowsley Street.	

EAST WARD.

2, Butler Street.	1, Green Terrace.
2, Chaucer Place.	2, Heap Lane.
4, Ripon Street.	2, Tennyson Place.
2, Otley Road.	1, Undercliffe Street

WEST WARD.

1, City Road.	2, Dyer's Yard.
1, Dyson Street.	1, Eldon Place.
1, Hind Street.	8, Infirmary.
1, King Street.	1, St. Jude's Place.
1, White Abbey Road.	1, West End Street.
1, West Grove Street.	1, Northgate.

LISTERHILLS WARD.

1, Abram Gate.	1, Carlton Street.
1, Bower Street.	1, Crowther Street.
1, Earl Street.	2, Grafton Street,
1, Grantham Road.	2, Horton Lane.
1, Miall Street.	2, Mary Gate.
1, Nelson Square.	1, Tumblinghill Street.
1, Nelson Street.	

GREAT HORTON WARD.

1, Beldon Road.	1, Beacon Lane.
1, Cragg Street.	1, High Street.
1, Haycliffe Hill.	1, Hunt's Yard.
1, Pleasant Street.	1, Poplar Street.
1, Quaker Lane.	1, Turner Street.
2, Vivian Place.	

LITTLE HORTON WARD.

- 1, Castle Street.
- 1, Franklin Street.
- 1, Norton Court.

- 1, Ebor Street.
- 1, Gower Street.
- 1, Parkinson Street.

EAST BOWLING WARD.

- 1, Granby Street.
- 3, Moody Street.
- 1, Oliver Street.
- 1, Prospect Street.
- 1, Ripley Terrace.
- 1, Vere Street.

- 1, Lizard Street,
- 1, Mill Lane.
- 1, Peach Street.
- 1, Paley Terrace.
- 1, Sturges Street.
- 1, Wakefield Road.

WEST BOWLING WARD.

- 1, Little Cross Street.
- 3, Manchester Road.
- 3, Pembroke Street.
- 1, Raymond Street.
- 1, Thornton Square.

- 1, Malt Street.
- 1, Newby Street.
- 1, Parsonage Road.
- 1, St. Stephen's Road
- 1, Marshfield Street.

EXCHANGE WARD.

- 1, Belmont Street.
- 1, Heap Street.

- 1, Great Cross Street.
- 1, Sunbridge Road.

BRADFORD MOOR WARD.

- 1, Back Peel Street.
- 1, Folkestone Street.
- 1, Harewood Street.
- 1, Killinghall Road.
- 1, Marsland Place.
- 1, Rushton Road.
- 1, Sticker Lane.
- 1, Wellington Square.

- 1, Cartmel Street.
- 1, Granton Street.
- 1, Heath Street.
- 1, Laisterdyke.
- 1, Quarry Gap Row.
- 2, Rochester Street.
- 1, Stone Street.

MANNINGHAM WARD.

- 1, Arnold Street.
- 1, Fairbank Road.
- 2, Hollings Road.
- 2, Hollings Street.
- 1, Rosse Street.
- 1, St. Jude's Street.
- 1, Whetley Street.

- 3, Ashwell Street.
- 1, Grimwith Street.
- 2, Newport Road.
- 1, Primrose Street.
- 1, Springfield Street.
- 1, Springfield Terrace.
- 3, Young Street.

BOLTON WARD.

- | | |
|----------------------|--------------------|
| 1, Bolton Hall Road. | 1, Cliffe Terrace. |
| 2, Fletcher Lane. | 1, Granville Road. |
| 2, Northdale Road. | 1, Wood View. |

HEATON WARD.

- | | |
|---------------------|--------------------|
| 1, Bertram Road. | 2, Chassum Street. |
| 1, Heidelberg Road. | 1, Toller Lane. |
| 1, Mannheim Road. | 1, Victor Street. |
| 1, Westbourne Road. | 1, Victor Road. |
| 1, Well Springs. | |

ALLERTON WARD.

- | | |
|-----------------------|------------------------|
| 1, Agar Street. | 1, Grange Road. |
| 1, Stream Head. | 2, St. Leonard's Road. |
| 1, Washington Street. | |



NOTIFICATION OF INFECTIOUS DISEASES.—During the year there came to my knowledge, 805 cases of Infectious disease compared with 1,597 for the previous year and 2,914 during 1893 :—

TABLE XXVIII.

MONTH.	1893.	1894.	1895.
January	108	241	103
February	116	175	60
March	122	130	48
April	135	126	42
May	175	173	64
June	199	117	36
July	528	118	72
August	321	112	57
September... ..	275	108	66
October	306	104	113
November	421	119	18
December	208	74	62
	<u>2914</u>	<u>1597</u>	<u>805</u>

The diseases were specified as follows :—

	1893.	1894.	1895.
Scarlet Fever	1445	1035	379
Typhoid Fever	215	141	177
Typhus Fever	—	—	—
Small-pox	995	196	—
Continued Fever	5	2	—
Relapsing Fever	1	—	—
Puerperal Fever	18	22	22
Diphtheria	71	49	39
Membranous Croup	18	8	17
Erysipelas	146	144	169
English Cholera	—	—	2
	<u>2914</u>	<u>1597</u>	<u>805</u>

The following Table gives the number of notified cases of Scarlatina together with number of deaths and death-rate for each year since 1870.

TABLE XXVIII.—Scarlet Fever.

YEAR.	No. of Deaths.	No. of Notification.	Death-rate per 10,000 living.
1870	241	...	16.93
1871	144	...	9.79
1872	81	...	5.53
1873	47	...	3.00
1874	289	...	17.72
1875	458	...	27.21
1876	143	...	8.23
1877	110	...	6.13
1878	156	...	8.42
1879	184	...	9.45
1880	190	...	9.64
*1881	118	(6 mos) 424	6.41
1882	66	408	3.29
1883	36	352	1.75
1884	33	493	1.54
1885	46	786	2.15
1886	89	1118	4.06
1887	98	1308	4.37
1888	33	407	1.43
1889	63	543	2.68
1890	46	546	1.91
1891	143	1163	6.59
1892	45	944	2.05
1893	71	1445	3.20
1894	72	1035	3.21
1895	25	379	0.11

* First Year of Notification.

TABLE XXIX.

Notifications, Deaths, and Death-rate from Scarlet Fever at different Age Periods during 1895.

AGES.	Notifications.	Deaths.	Death-rate per 100.
Under 1 year	9	2	22·22
1 year and under 2	19	4	21·05
2 years ,, ,, 3	34	4	11·76
3 years ,, ,, 4	44	5	11·36
4 years ,, ,, 5	34	2	5·88
5 years ,, ,, 10	153	8	5·23
10 years ,, ,, 15	55	...	0·0
15 years and upwards	31	...	0·0
TOTALS	379	25	6·62

TABLE XXX.

Shewing the number of Notifications from each Disease during 1895 in the different Wards.

WARDS.	Smallpox.	Scarlet Fever.	Typhoid Fever.	Typhus Fever.	Diphtheria	* Erysipelas	* Puerperal Fever.	* M'bran's Group.	* Continued Fever.	Relapsing Fever.	TOTAL.
North	16	8	...	6	14	2	1	...	...	47
South	12	4	...	1	13	...	..	...	...	30
East	47	16	..	3	7	1	...	...	..	74
West	26	21	...	4	16	1	...	...	...	68
Listerhills	27	18	...	...	15	4	1	...	...	65
Great Horton	44	13	...	...	15	2	...	...	...	74
Little Horton	30	6	...	1	18	3	...	...	...	58
East Bowling	25	14	...	3	13	2	2	...	..	59
West Bowling	28	12	...	1	12	3	...	...	..	56
Exchange	8	4	...	1	4	...	1	...	...	18
Bradford Moor	27	14	...	4	9	...	9	...	...	63
Manningham	54	24	...	7	12	2	..	...	...	99
Bolton	8	8	...	...	5	1	3	..	...	25
Heaton	21	10	...	4	6	1	...	..	...	42
Allerton...	6	5	...	4	10	...	...	...	..	25
BOROUGH TOTAL ...	—	379	177	—	39	169	22	17	—	—	803

* Notification of these diseases brought into force Feb. 1st, 1893.

TABLE XXXI.

Showing the Death-rate per 1,000 in Bradford, and in each of its 15 Wards from Zymotic Diseases, and from all causes during 1886—1895.

WARDS.	Seven Principal Zymotic Diseases.							All Causes.												
	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.
North	2.2	2.4	1.4	3.0	3.5	1.7	2.2	3.4	1.4	2.1	21.2	27.4	20.1	21.7	24.9	25.1	21.6	23.4	19.0	17.1
South	6.2	3.2	2.0	1.8	2.6	2.0	2.1	4.4	2.0	3.7	21.7	24.5	20.1	23.3	25.9	25.3	20.6	25.1	18.9	25.2
East	2.0	2.4	0.9	1.3	1.4	1.8	1.9	1.6	1.2	1.3	18.7	16.3	16.2	17.2	18.9	21.6	16.6	17.8	15.5	19.3
West	1.9	5.1	1.7	3.7	3.5	2.3	1.5	4.9	2.0	3.6	22.7	24.5	18.0	25.8	27.0	24.8	20.0	23.7	18.6	24.1
Listerhills ...	1.6	1.7	1.1	2.6	1.2	1.3	0.7	1.0	1.4	1.9	18.0	16.4	16.3	18.6	21.2	22.4	18.1	18.6	15.8	17.1
Great Horton..	1.5	3.4	1.1	2.3	0.7	2.7	1.3	2.7	1.5	1.9	16.0	20.7	15.2	18.7	19.0	20.4	17.9	17.5	16.9	19.2
Little Horton...	2.4	2.1	1.6	3.4	2.0	1.5	1.8	2.8	1.8	2.6	16.0	15.9	16.3	15.6	19.2	21.1	19.0	20.3	16.8	18.6
East Bowling...	2.1	2.6	2.6	2.3	4.0	2.5	1.4	3.9	2.9	3.2	22.6	22.3	13.4	23.4	24.1	24.5	17.6	20.3	18.7	22.6
West Bowling	2.1	2.3	3.1	4.1	1.4	2.0	1.8	4.5	1.8	2.4	19.0	17.3	17.8	18.9	18.8	21.9	11.4	21.4	18.3	21.3
Exchange ..	3.7	2.4	1.8	4.6	3.2	1.1	2.5	3.0	1.9	2.3	29.7	24.9	27.5	26.1	28.3	19.4	20.8	22.2	16.0	19.3
Bradford Moor	2.2	3.1	2.4	2.1	2.0	2.1	1.1	2.8	2.1	3.6	18.7	22.1	21.2	20.6	20.4	24.6	17.2	20.3	17.4	20.3
Manningham ...	1.9	3.0	1.1	2.7	1.9	3.1	0.9	3.3	1.8	3.0	18.4	19.1	14.3	17.2	18.7	22.1	17.6	20.2	18.9	19.8
Bolton	1.5	3.0	0.5	1.5	1.9	0.7	2.0	2.6	1.0	1.5	17.0	16.2	13.6	14.4	17.9	15.3	14.3	19.7	14.5	14.8
Heaton	1.2	2.9	0.5	2.9	1.0	2.3	1.1	2.7	0.9	1.2	16.5	18.5	13.7	15.6	15.8	19.1	14.3	17.4	12.9	15.3
Allerton	1.5	1.8	1.2	1.9	1.1	1.7	1.0	3.2	1.3	1.9	16.2	16.1	14.2	14.8	16.6	18.4	15.7	21.2	12.4	16.4
BOUOUGH TOTAL	2.2	2.8	1.6	2.65	2.08	2.35	1.46	3.22	1.65	2.47	19.1	19.86	17.15	19.11	20.14	22.12	17.91	20.90	16.95	19.80

PHTHISIS.—The number of deaths from Pulmonary Consumption was 367, eight of which were those of children under five years of age. The Mortality rate from this disease varied from 1·1 per 1,000 in Allerton to 2·3 per 1,000 in the North Ward.

The Tables immediately following give more detailed information in reference to Phthisis and other Tuberculous diseases.

TABLE XXXII.
Deaths from Phthisis.*

WARDS.	QUARTERS.								Year 1895.		
	March.		June.		Sept.		Dec.		M.	F.	Total.
	M.	F.	M.	F.	M.	F.	M.	F.			
North	4	3	8	2	2	3	3	5	17	13	30
South	5	3	4	3	3	3	3	1	15	10	25
East	4	2	7	2	2	2	2	4	15	10	25
West	7	6	4	3	6	6	5	5	22	20	42
Listerhills	5	5	5	1	3	4	4	1	17	11	28
Great Horton ...	3	2	1	...	2	2	2	2	8	6	14
Little Horton ...	5	4	4	7	4	5	3	5	16	21	37
East Bowling ...	6	3	3	5	5	4	1	3	15	15	30
West Bowling ...	1	2	5	2	1	2	4	3	11	9	20
Exchange	3	2	2	1	3	2	1	...	9	5	14
Bradford Moor ...	2	3	4	7	1	1	1	...	8	11	19
Manningham ...	5	3	5	7	4	3	5	4	19	17	36
Bolton	4	1	3	1	4	1	1	...	12	3	15
Heaton	1	1	4	1	1	1	5	1	11	4	15
Allerton	3	3	...	1	3	3	1	3	7	10	17
BOROUGH TOTAL	58	43	59	43	44	42	41	37	202	165	367

Ages at Death.

Under 1 year.	1—	2—	3—	4—	5—	10—	15—	20—	30—	40—	50—	All Ages.
3	3	1	1	...	2	11	26	80	82	79	79	367

* Deaths in Public Institutions are referred to in the Wards from whence the patients came.

TABLE XXXIII.

*Deaths from other Tuberculous Diseases.**

WARDS.	Scrofulous Diseases.		Tabes Mesenterica.		Hydrocephalus.		1895.		
	M.	F.	M.	F.	M.	F.	M.	F.	Total.
North	1	3	2	4	2	1	5	8	13
South	3	3	...	1	1	2	4	6	10
East	3	3	3	3	1	6	7	12	19
West	7	3	1	...	2	...	10	3	13
Listerhills	2	2	1	...	2	...	5	2	7
Great Horton	8	4	1	1	5	2	14	7	21
Little Horton	2	...	1	...	...	..	3	...	3
East Bowling	1	2	3	1	3	2	7	5	12
West Bowling	3	2	...	2	2	1	5	5	10
Exchange	1	1	...	...	1	1	2	2	4
Bradford Moor	2	2	2	2	1	2	5	6	11
Manningham	7	1	1	...	7	3	15	4	19
Bolton	2	...	...	1	.	1	2	2	4
Heaton	3	3	3	...	1	2	7	5	12
Allerton	1	1	...	...	...	...	1	1	2
BOROUGH TOTAL	46	30	18	15	28	23	92	68	160

* Deaths in Public Institutions are referred to in the Wards from whence the patients came.

BRONCHITIS, PNEUMONIA, AND PLEURISY.--These diseases caused 861 deaths, 338 of which were those of children under 5 years of age. The total death-rate from these affections amounted to 3·80 per 1,000 of the population.

CANCER.--Table XXXIV. shows the number of deaths resulting from the various forms of malignant disease to be 182, a serious increase upon the total for any previous year.

TABLE XXXIV.

Synopsis of Deaths from Cancer during the Years 1886-1895.

	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.
Total No. of Deaths ...	100	122	129	137	129	142	159	129	146	182
Males	23	29	28	50	52	44	52	40	44	60
Females... ..	77	93	101	87	77	98	107	89	102	122

VIOLENCE.—The deaths from various forms of violence numbered 66. Accidental suffocation accounted for seven deaths; burns and scalds caused 19; and to fractures and contusions were attributed 31.

Inquests.

Two hundred and fifty-nine inquests were held during the year, as compared with 252 during the previous year. Eighty-five of the inquests were upon children under 5 years of age.

Uncertified Deaths.

The number of deaths not certified by a Medical Practitioner or Coroner was 46, constituting 1 per cent. of the total number of deaths. The average rate for the thirty-two large towns was 2·2 per cent.

Analysis of the Vital and Mortal Statistics of Thirty-three of the Largest English Towns during the Year 1895,

TOWNS.	Estimated Population middle of 1895.	Births.	Deaths.	Annual Rate per 1,000 Living.			Deaths from Principal Zymotic Diseases.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-Cough.	Fever.	Diarrhoea.	Deaths of Children under one year of age to 1,000 Births.	Rate per cent. of Uncertified Deaths.
				Births.	Deaths.	Principal Zymotic Diseases.										
33 Towns	10,591,530	330,896	218,165	31.3	20.7	2.8	29,957	120	5,623	1,883	3,735	3,888	2,115	12,593	182	1.5
32 Provincial Towns	6,199,184	197,181	131,228	31.9	21.2	3.0	18,413	65	2,991	1,054	1,419	2,405	1,486	8,993	193	2.2
London	4,392,346	133,715	86,937	30.5	19.8	2.6	11,544	55	2,632	829	2,316	1,483	629	3,600	166	0.7
West Ham	249,473	8,541	4,447	34.3	17.9	3.2	805	10	227	45	192	57	65	209	168	2.7
Croyden	114,923	2,896	1,658	25.3	14.4	1.3	151	...	19	4	22	28	14	64	134	...
Brighton	119,604	3,057	2,252	25.6	18.9	1.8	209	..	26	5	18	42	14	104	164	1.6
Portsmouth	174,751	4,868	3,108	27.9	17.8	2.1	371	...	39	7	19	63	35	208	175	0.8
Plymouth	89,096	2,551	1,787	28.7	20.1	1.9	171	...	77	2	10	28	7	47	178	0.3
Bristol	228,139	6,579	4,109	28.9	18.1	1.3	295	...	8	16	34	45	21	171	143	1.1
Cardiff	155,637	5,321	2,826	34.3	18.2	2.4	377	...	47	8	56	52	15	199	179	1.0
Swansea	97,008	3,231	1,767	33.4	18.3	1.7	163	...	46	5	12	20	20	60	178	1.1
Wolverhampton ...	85,780	3,027	2,086	35.4	24.4	4.2	362	...	41	33	84	53	17	134	218	0.6
Birmingham ...	496,751	16,026	10,048	32.4	20.3	2.7	1,321	8	136	127	183	171	81	615	183	4.8
Norwich	107,127	3,398	2,086	31.8	19.3	2.7	291	...	27	10	19	53	26	156	190	1.6

Leicester	193,839	5,954	3,333	30.8	17.2	3.0	577	...	32	16	35	85	39	370	203	3.1
Nottingham	226,658	6,718	4,299	29.7	19.0	2.2	505	...	1	51	10	31	54	358	190	1.3
Derby	100,272	2,909	1,670	29.1	16.7	2.0	195	8	7	8	6	21	18	127	161	0.5
Birkenhead	107,469	3,288	2,093	30.7	19.5	2.4	252	...	3	16	45	41	42	105	174	1.1
Liverpool	503,967	18,525	14,469	36.9	28.8	4.0	2,016	13	359	144	120	372	187	821	210	3.0
Bolton	119,337	3,921	2,852	32.9	24.0	4.5	530	1	124	23	16	67	53	246	212	0.3
Manchester	524,865	17,624	13,205	33.7	25.2	3.7	1,950	2	509	169	108	250	99	813	203	1.2
Salford	208,253	7,454	5,327	35.9	25.6	5.0	1,031	...	213	97	62	133	88	438	231	2.3
Oldham... ..	141,079	3,873	3,091	27.5	22.0	2.8	393	22	98	15	26	54	26	152	190	3.2
Burnley	99,591	3,189	2,322	32.1	23.4	3.9	385	...	25	22	43	54	30	211	242	1.9
Blackburn	127,615	3,899	3,093	30.6	24.3	5.6	716	...	323	8	9	75	29	272	236	2.8
Preston	112,638	3,753	2,684	33.4	23.9	3.8	423	1	47	4	8	50	22	291	248	3.6
Huddersfield	99,482	2,150	1,675	21.7	16.9	1.2	119	...	12	19	15	20	6	47	158	3.3
Halifax	93,813	2,193	1,805	23.4	19.3	1.3	122	...	9	5	14	23	16	55	158	2.0
BRADFORD	226,384	5,894	4,483	26.03	19.80	2.47	566	...	17	25	18	98	40	361	203	1.0
Leeds	395,546	12,479	8,083	31.6	20.5	2.7	1,062	...	134	51	65	112	82	618	191	0.6
Sheffield	342,768	11,913	6,994	34.9	20.5	3.2	1,085	...	187	33	52	71	97	645	197	3.1
Hull	216,722	7,392	4,504	34.2	20.8	3.3	718	...	19	39	37	44	48	531	205	4.0
Sunderland	137,705	4,819	2,992	35.1	21.8	3.5	481	...	9	11	8	63	132	258	189	1.2
Gateshead	95,871	3,306	1,872	34.6	19.6	2.6	251	...	28	14	19	62	15	113	186	0.8
Newcastle-on-Tyne	207,021	6,437	4,229	31.2	20.5	2.5	520	...	141	22	52	59	48	198	186	1.1

Disinfecting Station.

The following articles have been disinfected and houses fumigated during the year 1895.

Houses fumigated	...	...	...	469
Articles disinfected :—				
Beds	...	...	...	437
Mattresses	...	...	...	184
Pillows	...	...	...	723
Bolsters	...	...	...	321
Blankets	...	...	...	619
Counterpanes	...	...	...	577
Curtains	..	...	...	15
Carpets	...	...	...	64
Rugs	...	...	...	38
Coats	...	...	...	121
Waistcoats	...	...	...	34
Trousers	...	...	...	62
Drawers	...	...	...	25
Flannel Vests...	...	...	...	72
Dresses	...	...	...	80
Petticoats	...	...	...	95
Hose	...	...	...	85
Dressing Gowns	...	...	...	10
Shawls	...	...	...	157
Cushions	..	...	...	63
Mats and Sundries	...	...	...	1406
TOTAL				5188

New Buildings.

Table A shows that 498 new houses have been erected during the year, and have, in accordance with the provisions of the Bradford Waterworks and Improvement Act, 1875, been certified as fit for habitation.

TABLE A.

Shewing number of New Buildings certified as fit for habitation in each of the Wards, and in the whole Borough, during the years 1889-95.

WARDS.	1889.	1890.	1891.	1892.	1893.	1894.	1895.
North	29	9	...	64	43	8	11
South	92	104	104	69	35	16	1
East	78	77	20	49	98	54	45
West	4	3	...	3	4	9	...
Listerhills	82	173	72	30	17	13	3
Great Horton	27	67	59	37	53	106	134
Little Horton	16	15	40	42	4	19	21
East Bowling	27	31	61	48	60	78	15
West Bowling	162	187	98	59	103	115	58
Exchange	3	2	1	...	..	1	...
Bradford Moor	131	85	98	76	110	87	47
Manningham	76	130	125	116	148	44	67
Bolton	86	41	48	30	20	24	13
Heaton... ..	68	98	31	35	65	18	34
Allerton	57	48	69	16	22	49	47
BOROUGH TOTAL ...	938	1070	826	674	782	641	498

REPORT

OF THE

CHIEF INSPECTOR OF

NUISANCES.

TO THE MEDICAL OFFICER OF HEALTH,

SIR,—The following statement shews the nature and amount of work done in the Sanitary Department during the year 1895, including an abstract of work carried out in the previous nine years.

<i>Particulars of work done.</i>	<i>No. of Cases.</i>									
	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.
Drains opened and cleansed ...	1207	1125	1011	1356	1298	1429	1178	1236	1518	1573
Drains provided for premises which had previously been without drainage	97	36	41	17	13	17	32	16	87	29
Sink drains disconnected from the sewer or otherwise efficiently trapped	1149	788	345	623	871	632	508	365	565	341
Street gullies cleansed	3116	2656	2976	2184	2867	3648	3602	4064	4831	4237
Water Conductors provided and down spouts connected with the drains	870	665	828	1062	1251	1143	1127	947	1977	2105
Swine and Swine Styes removed from objectionable situations	55	45	45	24	30	29	13	31	20	35
Fowls, etc., removed from dwelling-houses	128	114	99	162	219	114	127	87	144	113
Accumulations of offensive matter removed	172	193	187	479	596	689	399	257	317	409
Filthy Yards and Passages cleansed	418	508	416	484	578	1099	561	481	955	753
Surface of back yards and defective pavement repaired... ..	164	125	143	219	270	191	199	287	395	335
Defective Water Closts repaired	162	119	114	236	100	111	137	216	310	549

No. of Cases.

<i>Particulars of work done.</i>	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.
Stagnant Water removed from Ashpits	320	214	251	495	376	345	286	285	419	292
Privies and Ashpits repaired and provided with suitable doors and covers	1017	927	1051	1177	957	779	924	964	1623	1698
Foul Urinals repaired	34	25	30	32	35	20	13	46	32	47
Filthy Cellar Areas cleansed ...	85	71	131	80	81	84	74	57	85	79
Offensive Manure Pits removed	38	38	36	46	48	26	27	27	29	39
Defective Baths and Wash Basins repaired and disconnected from the drains	90	155	124	35	54	25	59	51	77	49
Privies and Ashpits removed from objectionable positions and re-constructed on improved sites	423	326	334	370	391	265	196	2	291	40
New Water Closets erected ...	97	159	120	156	179	242	321	507	378	425
Stagnant Water drained off premises	160	101	133	130	132	92	83	132	190	238
Filthy Privies cleansed and lime-washed	1542	939	1327	1198	1167	1148	1026	1063	1365	1129
Houses and Cellar Dwellings white-washed	321	151	224	295	283	237	258	254	341	203
Houses and Cellar Dwellings disinfected	949	1081	456	639	532	1081	779	1979	1015	451
Houses closed unfit for human habitation	3	...	...	5	16	13	8	1	20	1
Cellar Dwellings closed unfit for human habitation	15	1	2	15	11	18	9	1	16	...
Workshops closed unfit for human habitation ... ..	...	...	...	...	...	...	...	...	3	...
General repairs of houses	49	27	71	42	34	29	42	36	78	149
Improvement and Ventilation of premises by the removal of out-buildings, etc., from back yards	101	127	172	197	127	81	92	20	54	91
Abatement of Nuisances from over-crowding of houses and cellar dwellings	13	15	14	18	41	26	24	24	24	12

<i>Particulars of work.</i>	<i>No. of Cases.</i>									
	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.
Foul Wells closed ... ..	...	...	...	...	...	...	2	...	2	2
Offensive businesses discontinued	1	...	1	2	...	2	2	1	...	...
Foul Mill Dams cleansed... ..	2	2	1	1	2	1	1	4	...	2
Rag Warehouses cleansed ...	8	14	21	2	6	...	4	2	2	2
Tripe Boilers' premises inspected	72	301	343	209	88	107	86	112	243	44
Fellmongers' premises inspected	...	14	97	194	10	24	34	12	20	12
Houses inspected where infectious diseases have occurred ..	1206	1180	399	563	522	1148	1031	2606	2670	709
Bakehouses inspected ... ..	...	...	...	11	33	62	43	34	25	28
Mill and Workshop Closets inspected ... ..	...	...	...	...	...	1613	269	140	509	349

The above particulars represent only those cases where Statutory Notices have been served, and do not include Nuisances prevented or abated on the verbal request of the Inspectors.

Two persons were summoned for allowing certain dwelling-houses to be re-occupied without permission from the Council, after the same had been certified and closed as unfit for human habitation.

The number of persons summoned for non-abatement of Nuisances after Notices given is twenty.

Night Scavenging.

During the year the Contractors have according to the returns of the Sanitary Officers emptied 86,866 ash-pits and removed therefrom 5,069 loads of soil, and 67,364 loads of rubbish, a total of 72,433 loads.

Burial Grounds.

During the year 142 visits have been made by the Sanitary Officers to the various graveyards within the Borough, but no irregularities have been observed.

Dangerous and Unfenced Places.

During the year 468 places, including houses and other buildings, have been reported by the Sanitary Officers as being in a dangerous condition. These have been dealt with and made secure from personal danger, either under the direction of the Borough Surveyor or the Chief Inspector of Nuisances.

Public Urinals.

The number of Public Urinals within the Borough is 40, as against 35 last year.

During the year five Public Urinals have been erected, viz. : One at Sticker Lane on land belonging to the Trustees of the late Thos. B. Sutcliffe ; one at Leeds Road, on land belonging to the Hon. H. E. Butler ; one at Allerton, on land belonging to Messrs. James Wood & Co. ; one at Manchester Road, on land belonging to Mr. William Morrill Spence ; and one at Wibsey Bank Foot, by permission of the Street and Drainage Committee.

Canal Boats.

There is still only one Canal Boat registered within the Borough, and this, along with 131 others registered with other Authorities but plying on the Canal within the Borough, has been examined by the Chief Inspector of Nuisances, or his assistant, Mr. Rhodes. All boats inspected were free from bilge water, ventilation very good and proper provision for the storage of water for domestic use. In 11 cases the boats were found to be not in accordance with the regulations, 6 having defective cabins, 2 required painting and repairing, and 3 had no certificate of registration on board.

The owners of all the defective boats were formally requested by the Chief Inspector of Nuisances to have the boats thoroughly repaired, and accordingly the whole of the necessary repairs have since been carried out. The owners or masters of the boats where certificates of registration were not produced on

request by the Officers were formally cautioned against a recurrence of the offence.

Common Lodging-houses.

The number of Common Lodging-houses within the Borough is 40 as against 42 last year.

The houses contain 199 rooms for sleeping purposes, and are registered to accommodate 2,080 persons nightly.

The number of persons who have been accommodated during the year is 413,460, the nightly average being 1,133.

The number of visits paid to these houses during the year by the Sanitary Officers is 2,072, and their reports shew the houses to have been fairly well conducted.

Adulteration of Food and Drugs.

During the year ending 1895, 262 samples of food have been submitted to the Borough Analyst by the Food Inspector for analysis. Of these 246 were certified by the Analyst as not adulterated, and 16 were found to be adulterated. Four of the offenders were prosecuted before the Justices, and penalties amounting with costs to £20 16s. 6d. were inflicted. One defaulter for a minor offence was cautioned. Two persons found dealing in margarine gave fictitious addresses and have not since been heard of. In 11 other cases the amount of adulteration was so trivial that no proceedings were taken.

The Food Inspector seized and destroyed 33 boxes of kippers, 3½ barrels of crabs, 3 barrels of herrings, 2 boxes of haddocks, 4 boxes of codfish, 2 bags of trotters, 4 baskets of apples, 4 hampers of cherries, and 1 case of plums.

The following Table shews the nature of articles submitted for analysis, together with the amount of penalties inflicted against the offenders for the year ending 1895.

REPORT for year ending December, 1895.

NATURE OF FOOD.	Totals.	Pure.	Adulterated.	Summoned.	Convicted.	Censured.	No Proceedings.	Exposed without Label.	Penalties.			Costs.			REMARKS.
									£	s.	d.	£	s.	d.	
Milk	198	186	12	4	4	1	7	..	15	10	0	5	6	6	
Lard	8	8	..	..	..	..	..	..	..	..	..	..	..	..
Vinegar	4	4	..	..	..	..	..	..	..	..	..	..	..	..
Sweets	2	2	..	..	..	..	..	..	..	..	..	..	..	..
Pepper	7	7	..	..	..	..	..	..	..	..	..	..	..	..
Butter	19	19	..	..	..	..	..	..	..	..	..	..	..	..
*Margarine	2	..	..	..	..	..	2	2	..	..	..	..	..	..
Flour	2	2	..	..	..	..	..	..	..	..	..	..	..	..
Baking Powder	6	5	1	..	..	..	1	..	..	..	..	..	..	..
Yeast	1	1	..	..	..	..	..	..	..	..	..	..	..	..
Coffee	2	2	..	..	..	..	..	..	..	..	..	..	..	..
Mustard	1	1	..	..	..	..	..	..	..	..	..	..	..	..
Tea	2	2	..	..	..	..	..	..	..	..	..	..	..	..
Ginger	3	3	..	..	..	..	..	..	..	..	..	..	..	..
Paegoric	2	2	..	..	..	..	..	..	..	..	..	..	..	..
Whisky	3	2	1	..	..	..	1	..	..	..	..	..	..	..
Totals	262	246	14	4	4	1	11	2	15	10	0	5	6	6	

* In both cases of Margarine the offenders gave fictitious name and address.

Dairies, Cow-sheds, and Milk-shops.

There are at present within the Borough, under the "Contagious Diseases (Animals) Act, 1878," 239 Cow-sheds, and 1,099 Dairies, Milk Shops, and Purveyors of Milk, as against 252 and 1,043 respectively last year.

During the year 134 applications have been made for registration of premises for the sale of milk, and upon inspection by the Medical Officer of Health or the Dairies and Cow-Sheds Inspector, 63 of these were found to be suitable, and were registered accordingly.

Inspection has been frequently made, as heretofore, of the milk and milk vessels coming into the town by railway and otherwise from places beyond the Borough. Numerous samples of milk thus delivered have been taken by the Food Inspector, and the results shew the milk to have been genuine and of good quality.

One milk dealer whose milk vessels were found to be in dirty condition, appeared before the Sanitary Committee, and was cautioned; and nine others were warned by letter for similar offences.

The number of visits and inspections made by the Officers have been as follows:--Cow Sheds, 889; Milk Shops, 2,780, and Milk Vessels 1,518.

Where the sanitary conditions of Cow Sheds and Milk Shops were found to be defective, notices were served upon the owners and occupiers requiring alterations to be carried out, with the result that suitable sanitary improvements have been effected.

Special attention has again been paid to the Fried Fish Shops and Ice Cream Makers' premises within the Borough, and a marked improvement has been effected in these places in regard to cleanliness and more careful manipulation of the commodities produced thereat.

Inspection of Meat, Slaughter-houses, Potted Meat and Sausage Manufactories.

There have been 147 seizures of Unsound Meat, Fish, and Fruit. In one case the offender was summoned before the Justices, and penalties and costs amounting to £5 2s 6d. were inflicted.

There have been seized and destroyed 14,000 lbs. of beef, 1,306 lbs. of mutton, 1,150 lbs. of veal, 4,132 lbs. of pork, 6 tons 12 cwts. of fish, 1 ton 14 cwts. of Finnan haddock, 90 bags of cockles, 31 bags of mussels, 140 boxes of kippers, 6 barrels of oysters, 2 boxes of lobster, 4 baskets of shrimps, 11 couples of chickens, 5 couples of geese, 2 couples of ducks, 88 couples of rabbits, 1 bag of apples, 40 baskets of pears, 310 bundles of celery, 2 tons of onions, 1 bag of trotters, 200 dozen Savoys.

The number of Slaughter-houses under the old regulations is 7, and there are 5 others for which licenses have to be applied for annually.

The number of places at which Potted Meat and Sausages are made for sale is 71, as against 68 last year. These places are regularly visited and reported upon by the Inspectors

The number of visits made during the year has been as follows:—Private Slaughter-houses, 415; Potted Meat and Sausage Works, 1,280. The Public Abbatoirs are visited daily.

Cattle Disease.

During the year there have been three outbreaks of Swine Fever within the Borough, 29 animals being affected with the disease, 5 of which died and were burned at the Corporation Refuse Destructor Works, Hammerton Street and Sunbridge Road, under the supervision of Mr. Eglin, Meat Inspector; the rest were dealt with by an officer from the Board of Agriculture.

There has been one outbreak of Anthrax, viz., at Mr. Mitchell's farm, Rooley Lane, 3 cows having died whilst suffering from the disease; the carcasses were destroyed at Hammerton Street, under the supervision of the Sanitary Officers.

One case of Farcy occurred at Messrs. North's Dye Works, Fairweather Green, 1 horse being affected with the disease. The animal was slaughtered by consent of the owners, and the carcass subsequently burned at the Refuse Destructor Works, Hammerton Street, under the direction of the Cattle Inspector, Mr. Eglin.

Yours obediently,

JAS. CHAMBERS.

REFUSE DESTRUCTION.

—:0:—

TO THE MEDICAL OFFICER OF HEALTH.

SIR,

Hammerton Street Destructor.

The number of loads of refuse destroyed is as follows :—

Ashpit Refuse	...	...	21,011
Markets Refuse	...	...	1,258
Rubbish	...	...	518

Total	...	...	22,787

There have also been destroyed the carcasses of 28 beasts, 32 stones of beef, 9 calves, 69 pigs, 15 sheep, 3 goats, 1 horse, 657 dogs, and 66 cats. Also 12 tons onions, 6 tons carrots, 4 tons turnips, 1 case plums, 40 baskets pears, 4 hampers cherries, 63 tubs herrings, 30 boxes kippers, 3½ boxes crabs, 92 bags cockles and mussels, 109 pairs of mattresses, and 35 beds.

2,800 tons of mortar have been sold during the year.

These works were closed one week for repairs.

The works erected by Messrs. Currie & Rowlands, Liverpool, for the treatment and disposal of fish refuse, continue to be carried on in a satisfactory manner.

A Clinker Crusher and Grinding Machine have been erected, and there seems to be every prospect of its proving successful in the preparation of the clinker for various purposes.

These works have been placed in communication with the Telephone Exchange.

Sunbridge Road.

The number of loads of refuse destroyed is as follows ;—

Ashpit Refuse	...	...	16,727
Markets Refuse	...	...	517
Rubbish	...	...	330
			<hr/>
Total	...	...	<u>17,574</u>

There have also been destroyed the carcasses of 1 calf, 1 sheep, 13 pigs, 1,071 dogs, and 105 cats. Also 1 stone of beef, 2 boxes of eggs, 110 pairs of mattresses, and 18 beds.

720 tons of mortar have been sold during the year.

These works have been stopped one week for repairs.

Southfield Lane.

The number of loads of refuse destroyed is as follows :—

Ashpit Refuse	8,141
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There have also been destroyed the carcasses of 1 calf, 22 pigs, 1 horse, 30 dogs, and 13 cats. Also 77 pairs of mattresses, 17 beds, and a quantity of infected clothing.

The fronts of the four original cells have been re-built, and are now in good working order.

Cliffe Lane.

The number of loads of refuse destroyed is as follows :—

Ashpit Refuse	7,495
---------------	-----	-----	-------

There have also been destroyed the carcasses of 23 pigs, 144 dogs, and 185 cats. Also 20 couples rabbits, 4 fowls, 72 pairs of mattresses, and 14 beds.

Yours obediently,

JAS. McTAGGART.

REPORT
OF
INSPECTOR OF WORKSHOPS.

—:0:—

TO THE MEDICAL OFFICER OF HEALTH.

DEAR SIR,

I have to report that during the year ending December 31st, 1895, I found 6 young persons who were employed over 74 hours during a week.

Thirty-two young persons were employed illegally either from not being qualified on account of age or from having previously on the same day been employed in a factory or workshop.

Twenty-nine employers were found without having the necessary regulations posted, and in consequence 7 cases of overtime were found, and 1 of employment during meal times. One case of overcrowding has been dealt with by opening a new workshop. One case was found of taking work home after legal hours had been worked in the workshop; another of sleeping in a work-room where 5 people work during the day.

Separate closet accommodation for the sexes or additional accommodation has been provided in 30 places. Six insanitary workshops have been dealt with satisfactorily.

The 14 months allowed for limewashing has been exceeded by 10 occupiers of workshops.

Yours obediently,

FRANK ARMITAGE,

Inspector under Shop Hours' Act.

REPORT
OF THE
MEDICAL SUPERINTENDENT
OF THE
FEVER HOSPITAL,
FOR THE YEAR 1895.

—:0:—

TO THE CHAIRMAN AND MEMBERS OF THE SANITARY
COMMITTEE.

MR. CHAIRMAN AND GENTLEMEN,

I beg to lay before you the report on the Bradford Fever Hospital for the year 1895.

During the year 375 patients were admitted to the Hospital. These, together with 75 remaining in Hospital on December 31st, 1894, make a total of 450 patients who have passed through the Wards.

This number is considerably below the average of recent years, and is the lowest since 1888, when 367 patients only were admitted. This number is due to the absence of any Scarlet Fever epidemic, 254 patients only being admitted for this disease.

The type was fairly mild in character, the percentage mortality for Scarlet Fever cases being 5.9, as against 5.7 per cent. in the previous year.

Enteric Fever has been accountable for the admission of 91 patients. In the first half of the year the cases were few, but in the autumn, when this disease is usually most prevalent, there was a severe epidemic, the cases being mostly of a serious character. The mortality for this disease was 23 per cent. Seven cases only of Diphtheria were admitted, of these 2 died.

Twenty three cases other than those scheduled in the Notification Act were admitted, viz., 7 cases of Pneumonia, 2 cases of Phthisis, 2 cases of Catarrh, 2 cases of Meningitis, and 1 case each of Rheumatism, Tabes Mesenterica, Struma, Whooping-Cough, Rachitis, Tonsillitis, Diarrhœa, Dyspepsia, Dermatitis, and Inflamed Inguinal Glands. Seven deaths occurred among these patients. The general work of the Hospital has proceeded smoothly. Further alterations and improvements have been made in the laundry. A new washing machine of the latest pattern has been added, and the old machines removed. By this alteration much time and labour is saved. The washing which formerly occupied the whole week is now performed in three days. The work is also done more efficiently and with less labour. I should like to call your attention to the lead pipes which connect the cold water with Wards I. II. and III. These pipes, which are very old and worn, are constantly bursting, being quite unable to withstand the increased pressure to which they have been exposed, since the Hospital was placed on the high level service in 1894.

The road leading from the entrance gate to Ward V. is also in a bad condition and needs repairing.

The health of the staff has been satisfactory. Two nurses contracted Fever, one Scarlet Fever and the other Enteric Fever, but each made a good recovery. There were also several cases of Influenza amongst the staff during the early spring.

I have the honour to be, Gentlemen,

Your faithful Servant,

A. E. FOSTER.

SUMMARY.

YEAR.	SMALL-POX.			ENTERIC FEVER.			SCARLET FEVER.			OTHER DISEASES.			TOTALS.			FROM 1872 TO 1894.	
	Cases.	Deaths.	Death-rate per 100.	Cases.	Deaths.	Death-rate per 100.	Cases.	Deaths.	Death-rate per 100.	Cases.	Deaths.	Death-rate per 100.	Cases.	Deaths.	Death-rate per 100.	Aggregate No. of days spent in Hospital.	Average No. of days for each Patient.
1872	63	6	9.5	48	9	18.7	14	...	...	37	6	16.2	162	21	13.01	4,546	28
1873	94	15	16.0	54	16	29.7	19	1	5.2	36	7	18.9	203	29	14.28	6,211	30½
1874	249	48	19.27	51	11	21.56	58	6	10.34	53	12	22.6	412	76	18.44	11,715	28½
1875	20	2	10.0	44	6	13.59	103	19	18.4	37	3	8.1	204	30	13.59	6,275	30¾
1876	12	...	...	40	5	12.5	35	9	26.0	26	5	19.2	113	19	18.8	2,876	27¼
1877	19	4	21.05	65	13	20.0	72	9	12.5	27	8	29.6	183	34	18.5	5,579	31½
1878	5	1	20.0	55	13	23.6	148	17	11.5	27	3	11.1	237	34	14.3	9,263	39
1879	8	...	...	24	3	12.5	159	14	8.8	23	4	17.39	214	21	9.8	8,414	39
1880	2	1	50.0	60	8	13.3	248	38	15.3	54	7	12.9	364	54	14.8	13,192	36¼

1881	21	2	9.5	61	7	11.5	317	42	13.2	27	...	426	51	11.97	16,073	37 $\frac{1}{4}$
1882	26	3	8.8	88	17	19.3	213	31	14.5	39	5	366	56	15.32	14,766	40
1883	5	...	...	119	17	14.2	233	17	7.2	23	2	375	36	9.6	15,949	42 $\frac{1}{2}$
1884	3	...	...	93	17	18.2	237	11	4.6	29	4	362	32	8.8	14,215	39 $\frac{1}{3}$
1885	28	2	7.14	89	6	6.74	456	19	4.16	23	8	596	35	5.89	21,391	36
1886	4	...	...	83	8	9.63	625	29	4.64	14	2	726	39	5.37	29,305	40 $\frac{1}{3}$
1887	3	...	...	79	7	8.86	830	21	2.27	9	5	921	33	3.58	38,609	42 $\frac{1}{4}$
1888	16	2	12.5	57	6	10.53	283	12	4.24	11	1	367	21	5.72	16,479	46
1889	9	1	11.11	90	26	28.89	355	40	11.27	36	6	490	73	14.90	21,315	43 $\frac{1}{2}$
1890	...	...	...	59	11	18.64	380	22	5.78	43	12	484	45	9.30	19,940	41 $\frac{1}{4}$
1891	...	...	...	76	15	19.6	780	83	10.6	39	10	897	108	12.04	39,838	44
1892	25	4	16.6	41	11	26.8	587	27	4.6	32	7	685	49	7.2	29,191	42 $\frac{1}{2}$
1893	935	100	10.6	11	4	36.3	228	17	7.8	12	1	1186	122	10.2	34,203	28.8
1894	...	...	...	42	8	19.0	525	30	5.7	16	...	583	...	...	...	...
1895	...	...	...	97	20	20.6	250	16	6.4	28	9	375	45	12.0	17,331	46.21

APPENDIX.

TABLE A.—General Statement.

Remaining in Hospital 31st December, 1894	75
Admitted during 1895	375
	450
Discharged, relieved, or cured	360
Died	45
Remaining in Hospital 31st December, 1895	45
	450

TABLE B.—SCARLET FEVER.

Showing Admissions, Deaths, and Percentage Mortality for the year 1895.

Age.	MALES.		FEMALES.		TOTAL.		
	No. Admitted.	No. Died.	No. Admitted.	No. Died.	No. Admitted.	No. Died.	Death Rate.
Under 1	...	...	1	...	1	...	...
1—2	3	1	1	...	4	1	25·0
2—3	11	2	5	1	16	3	18·7
3—4	17	3	15	1	32	4	12·5
4—5	10	1	11	...	21	1	4·7
Total under 5	41	7	33	2	74	9	12·1
5—10	53	3	59	3	112	6	5·3
10—15	27	...	19	...	46	...	...
15—20	2	...	9	...	11	...	...
20—25	3	...	4	...	7	...	...
25—30	1	...	1	...	2	...	...
30—35	2	...	...	...	...	...	...
35—40	...	...	...	...	...	...	...
40—50	...	...	...	...	...	...	...
TOTAL ...	129	10	125	5	254	15	5·9

Four of these patients died within 48 hours of admission. If these be deducted the case mortality is reduced to 4·4 per cent.

TABLE C.—ENTERIC FEVER.

Showing Admissions, Deaths, and Percentage Mortality for the year 1895.

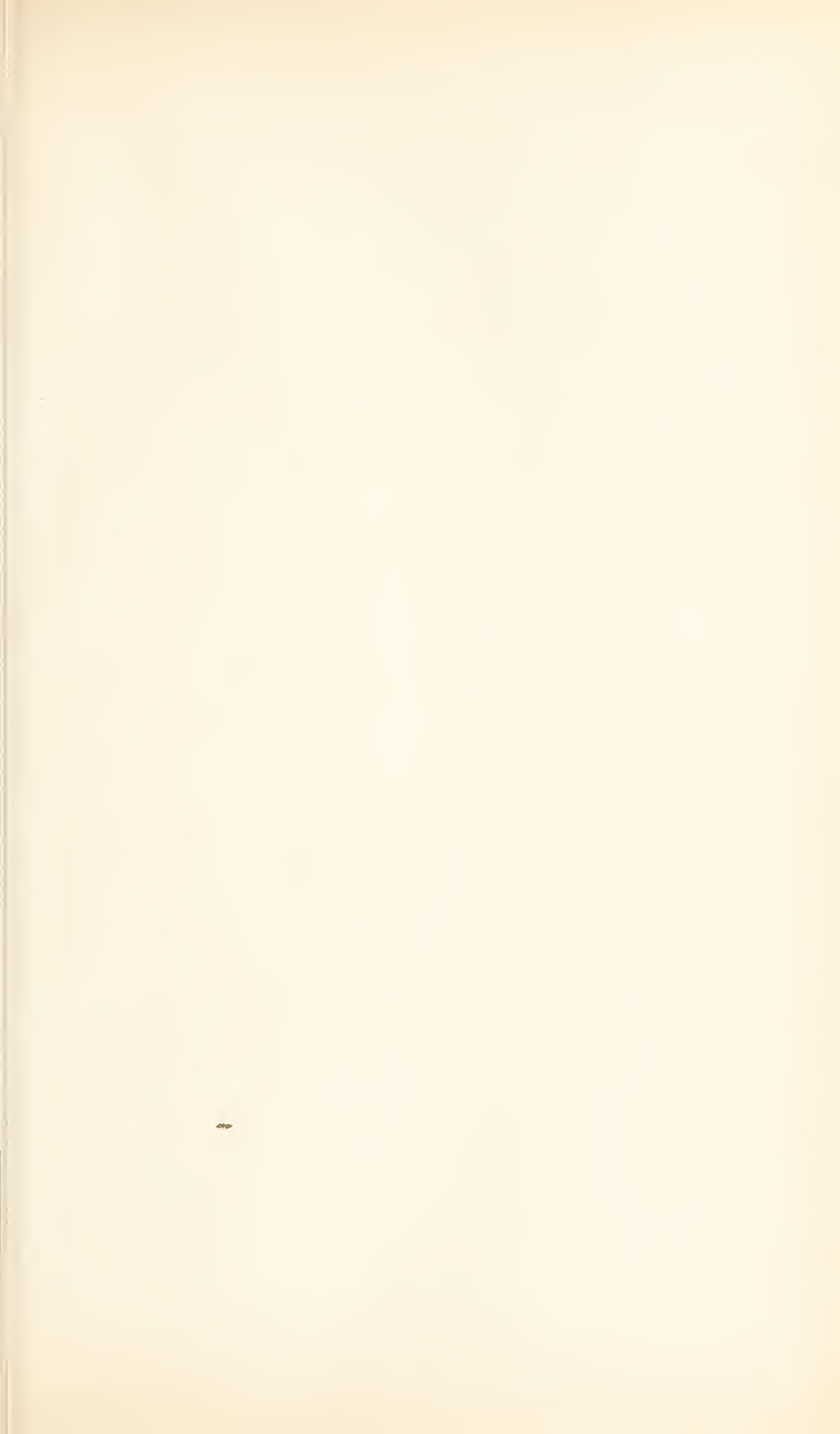
Age.	MALES.		FEMALES.		TOTAL.		
	No. Admitted.	No. Died.	No. Admitted.	No. Died.	No. Admitted.	No. Died.	Death Rate.
Under 5	3	1	...	...	3	1	33.3
5—10	3	...	2	...	5	..	...
10—15	13	1	8	1	21	2	9.5
15—20	8	...	10	5	18	5	27.7
20—25	17	4	5	1	22	5	22.7
25—30	4	2	3	...	7	2	28.5
30—35	2	1	4	2	6	3	50.0
35—40	2	...	1	...	3	...	...
40—50	3	2	3	1	6	3	50.0
TOTAL ...	55	11	36	10	91	21	23.0

The deaths of 5 patients occurred within 48 hours after admission. If these be deducted the case mortality is reduced to 18.6 per cent.

TABLE D.

Showing number of cases admitted during each month of 1895.

1895.	Scarlet Fever.			Enteric Fever.			Other Diseases.			Total Admissions		
Months.	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total
January	19	20	39	5	3	8	3	...	3	27	23	50
February... ..	15	12	27	2	1	3	...	2	2	17	15	32
March	6	6	12	1	...	1	2	...	2	9	6	15
April	8	7	15	2	2	4	1	2	3	11	11	22
May... ..	8	14	22	...	...	...	2	...	2	10	14	24
June	4	5	9	3	1	4	3	...	3	10	6	16
July	13	11	24	4	2	6	2	2	4	19	15	34
August	14	6	20	6	1	7	2	2	4	22	9	31
September ..	9	13	22	10	5	15	1	1	2	20	19	39
October	13	15	28	8	8	16	...	...	...	21	23	44
November ...	7	6	13	11	9	20	1	2	3	19	17	36
December ...	13	10	23	3	4	7	...	2	2	16	16	32
TOTAL ...	129	125	254	55	36	91	17	13	30	201	174	375



BRADFORD UNION.—Vaccination Report for the Year 1894.

ABSTRACT OF RETURNS made on the 8th day of February, 1896, by the Vaccination Officers of the Bradford Union, respecting the Vaccination of Children whose Births have been registered from January 1st, 1894, to December 31st, 1894, inclusive.

Registration— Sub-Districts.	Number of Births registered from Jan. 1st, 1894 to Dec. 31st, 1894.	Number of these Births duly entered by 8th February, 1896 in "Vaccination Register."					Per centage of cases finally accounted for to total Births.	Number of these Births which on 8th February, 1896, remained unentered in the "Vaccination Register" on account (as shewn by Report Book) of				All cases not accounted for in preceding columns.
		Col. 10. "Successfully Vaccinated."	Col. 11.		Col. 13. "Dead Unvaccinated."	Total duly entered in the Register as finally accounted for.		Postponement by Medical Certificate	Removals and Cases not found.			
			"Insusceptible of Vaccination."	"Had Small Pox."								
1	2	3	4	5	6	7	8	9	10	11	12	13
1. Bowling ...	995	647	6	...	109	762	76.6	...	82	...	...	151
2. Bradford East	1796	1051	12	...	238	1301	72.4	28	170	...	...	297
3. Bradford West	1498	970	9	...	194	1173	78.3	8	147	...	...	170
4. Horton ...	1330	642	13	...	167	822	61.8	9	121	...	.	378
TOTAL ...	5619	3310	40	...	708	4058	72.2	45	520	—	—	996

BRADFORD UNION.—Vaccination Report for the December Half-year 1895.

ABSTRACT OF RETURNS made on the 8th day of August, 1896, by the Vaccination Officers of the Bradford Union, respecting the Vaccination of Children whose Births have been registered from July 1st, 1895, to December 31st, 1895, inclusive.

Registration— Sub-Districts.	Number of Births registered from 1st July, 1895, to 31st Dec., 1895.	Number of these Births duly entered by 31st July, 1896, in "Vaccination Register."					Per centage of cases finally accounted for to total Births.	Number of these Births which on 31st July, 1896, remained unentered in the "Vaccination Register" on account (as shewn by Report Book) of		All cases not accounted for in preceding columns.		
		Col. 10. "Success-fully Vac-cinated."	Col. 11.		Col. 13. "Dead Unvac-cinated."	Total duly entered in the Register as finally accounted for.		Postpone-ment by Medical Certificate	Removals and Cases not found.			
			"Insus-ceptible of Vaccina-tion."	"Had Small Pox."								
1	2	3	4	5	6	7	8	9	10	11	12	13
1. Bowling ...	514	298	2	...	65	365	71.0	9	27	...	...	113
2. Bradford East	892	484	...	...	150	634	71.0	16	91	...	...	151
3. Bradford West	729	369	...	...	120	489	67.0	20	90	...	...	130
4. Horton ...	575	270	3	...	75	348	60.5	5	33	...	.	189
TOTAL ...	2710	1421	5	...	410	1836	67.7	50	241	—	—	583

