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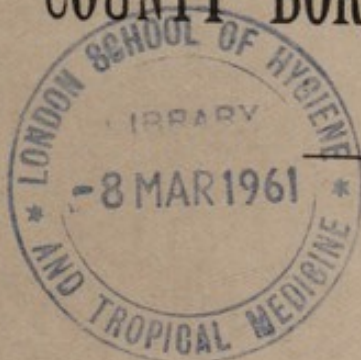
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COUNTY BOROUGH OF HUDDERSFIELD.



THE

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

FOR THE YEAR

1907.

HUDDERSFIELD :

DAILY CHRONICLE PRINTING WORKS, LORD STREET.



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THE
ANNUAL REPORT

TO THE
URBAN SANITARY AUTHORITY
OF THE
COUNTY BOROUGH OF HUDDERSFIELD

FOR THE YEAR

1907.

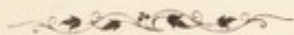
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S. G. H. MOORE, M.D., D.P.H.

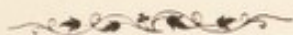
Medical Officer of Health to the Borough,

Medical Superintendent of the Sanatorium, Mill Hill, Dalton,

Chief Medical Officer to the Education Authority.



PRINTED BY ORDER OF THE HEALTH COMMITTEE.



HUDDERSFIELD :

DAILY CHRONICLE PRINTING WORKS, LORD STREET,

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HEALTH COMMITTEE.

Meets at the Town Hall on the second Wednesday in each month,
at 3-30 p.m.

OWEN BALMFORTH, Esq., J.P., Mayor, and 22 Members.

Mr. Alderman B. BROADBENT, M.A., J.P. (Deputy Mayor), Chairman.

Mr. Alderman J. HOLROYD, Deputy Chairman.

Aldermen :

A. Gee, J.P.
W. H. Jessop, J.P.

H. Pullon, M.B., C.M.
J. E. Willans, J.P.

Councillors :

E. A. Beaumont.
G. H. Beaumont.
A. Beevers.
J. Berry.
B. Bottomley.
J. Dawson.
G. Hesketh.
J. W. Mallinson.

J. H. Noble.
W. Pickles.
J. Quarmby.
Jabez H. Shaw.
C. F. Sykes, J.P.
Law Taylor.
J. Walker.
A. Whitworth.

Duties and Powers.

To execute and perform in the name and on behalf of the Council, but subject to the Standing Orders of the Council and to confirmation by the Council, all the powers and duties of the Corporation in relation to the following:—

- Infectious and Epidemic Diseases.
- Hospitals for Infectious Diseases.
- Common Lodging Houses.
- Cleansing of Infected Houses.
- Prevention of Pollution of Rivers and Streams.
- Health Statistics and Sickness and Mortality Returns.
- Superintendence of the Department of the Medical Officer of Health.
- All the powers and duties imposed upon the Council by the Midwives Act, 1902.
- Removal and Disposal of Nightsoil and Refuse.
- Public Urinals and Conveniences.
- Nuisances.
- Offensive Trades.
- Control of Drains, Privies, Ashpits, and Cesspools.
- Buildings and Rooms unfit for Habitation.
- Polluted Wells.
- Adulteration of Food and Drugs.
- Unwholesome Food.
- Cowsheds, Dairies, and Milkshops.
- Canal Boats.
- Factories and Workshops.

Public Health Department.

STAFF :

Medical Officer of Health :

S. G. H. MOORE, M.D., M.B., Ch.B., D.P.H.

Assistant Medical Officers of Health :

F. E. ROCK, M.D., M.B., D.P.H.

Miss E. R. SPROULL, M.B., Ch.B., D.P.H.

Miss M. L. RAMSEY, M.B., Ch.B.

Public Analyst :

L. GORDON PAUL, Ph.D., F.I.C.

Veterinary Inspector :

J. McKINNA, F.R.C.V.S.

Chief Sanitary Inspector :

WILLIAM MEDLEY DRAKE. †

Deputy Chief Inspector :

ALBERT BROOK. † § ‡

Assistant Inspectors :

R. ALLISON. † *

M. G. H. TRESIDDER. †

A. AINLEY. †

O. E. GRAHAM. †

GEORGE A. SHAW. †

Infectious Diseases Officer :

M. TURNER.

Clerks :

M. V. SUTCLIFFE.

N. LOCKWOOD.

H. TATE.

Hospital Matron :

Miss M. STEVENSON.

† Certificate of Royal Sanitary Institute for Inspector of Nuisances.

* Certificate of Royal Sanitary Institute for Food Inspector.

§ Certificate of Royal Sanitary Institute in Practical Sanitary Science.

‡ Certificate of Sanitary Inspectors Examination Board.

ABSTRACT.

1. Situation.—Latitude $53^{\circ} 39' 7''$ N.; Longitude $1^{\circ} 47' 30''$ W.

2. Elevation of the area built over.—Varies from 200 feet to 600 feet above ordnance datum.

3. Area of the Borough.—11,859 acres; of the Central District, 734 acres.

4. Population.—1901 Census, 95,047; estimated at middle of 1907 by Registrar General's method without correction by local data 94814; corrected estimate, 102,000

5. Density of Population.—For the Borough 8.0 persons per acre; for the Central District, 31.1.

6. Marriages.—Number during the year, 1008; rate per 1,000 of the population, 10.6.

7. Births. —Males ...	... 1106	}	Total 2189.
Females ...	... 1083		

Rate 23.17.

8. Natural Increase.—For the year, 588; since the Census, 4268.

9. Deaths. —Males ...	... 852	}	Total 1601.
Females ...	... 749		

Annual rate of mortality, 16.94.

Mean rate during years 1897-1906, 17.38.

Total deaths from zymotic diseases, 73.

Annual rate of mortality do. 0.77.

Mean rate of mortality do. years 1897-1906, 1.60.

NOTE.—“Rate” = per 1,000 per annum and all rates are calculated on the Registrar General's figure.

TO THE CHAIRMAN AND MEMBERS OF THE HEALTH
COMMITTEE OF THE COUNTY BOROUGH
OF HUDDERSFIELD.

GENTLEMEN,

The present is the fortieth annual report upon the health of the Borough, since the first appointment of a Medical Officer of Health, and is the seventh prepared by me.

The population at the middle of the year, according to the Registrar-General's estimate, amounted to 94,814 individuals.

Inasmuch as all the rates calculated from the population in the following pages are affected by the accuracy or otherwise of the estimate of the population, it is of importance to consider whether or not the official estimate, that is that of the Registrar-General, is accurate or not. In former reports reasons have been given for supposing that the official estimate of the population understates it. The result of this is to show a heavier death rate than the real one, and a higher birth rate than would correspond with the facts.

The method of the Registrar-General is based on the assumption that a population which has increased during one intercensus period of 10 years, will continue to increase, and that it will do so at the same rate during the next 10 years. A decrease is estimated in the same way. Thus not only is the rate assumed to be uniform for the considerable period of 10 years, but the further assumption is of necessity acted upon that the change continues in the same direction, and at the same rate, whether of increase or decrease, for 20 years. It is to be expected *a priori* where this system is applied to a large number of communities, that in certain instances it will break down. Because it is highly improbable, in the smaller places particularly, that the *rate of change* will be uniform. A diminution in a rate of increase need only continue long enough to become a positive decrease. Doubtless the method is the best devisable for common application to a large number of places; but it is clearly permissible to supplement it by conclusions arrived at by persons familiar with

local conditions. I have done this for Huddersfield. The results appear to show that the population of the Borough has again become a substantially increasing one. Each result corroborates and supports the other, and in each there is shown an increase for each year since 1901, the census year.

The means available outside the method of the Registrar-General for estimating the population are:—

1.—By adding to the number found at the last census the excess of births over deaths, i.e., the natural increase of population.

2.—By making a comparison between the number of voters on the burgess rolls year by year.

3.—By making a comparison of the number of occupied houses year by year.

4.—By making a comparison of the number of children on the school registers year by year.

These methods are set forth below:—

1.—Excess of Births over Deaths.

April, 1901, to December, 1902	...	...	1112
During 1903	...	...	668
During 1904	...	...	586
During 1905	...	...	651
During 1906	...	...	663
During 1907	...	...	588
Total natural increase since the Census			4268

2.—Comparison of Burgess Rolls.

Number of Burgesses on Roll	1901	...	19712		
”	”	”	1902	...	19784
”	”	”	1903	...	20106
”	”	”	1904	...	20196
”	”	”	1905	...	20382
”	”	”	1906	...	20758
”	”	”	1907	...	21117

Number of inhabitants per voter at Census period 4.8. On this basis :—

Increase of population	1902	...	346
"	1903	...	1546
"	1904	...	432
"	1905	...	893
"	1906	...	1805
"	1907	...	1723

3.—Comparison of Occupied Houses.

Number of new houses erected, April, 1901, to December, 1902	...	496		
Number of new houses erected	1903	...	361	
”	”	1904	...	366
”	”	1905	...	319
”	”	1906	...	345
”	”	1907	...	350
Number of persons per house at Census	...	4.252		
Number of inhabited houses at Census, 1891	...	20943		
Number of uninhabited houses at Census, 1891		965		
or 1 in 21.				

At the 1901 Census the figures were 22,356 inhabited and 1,186 uninhabited, or 1 in 19.

The rate of change of inhabited and uninhabited houses being very low, may be neglected, and the calculation made as follows :—

Number of new houses erected 1907	...	...	350
Allow 1 in 19 to be empty	...	...	18
			332

Applying the number of persons per house found at the Census, we arrive at a probable increase of 1,412.

The estimate of the number of occupied houses obtained by the above method, viz., 24,475, is corroborated by the fact that during 1907, the Water Department supplied water to 24,594 houses.

4.—Comparison of School Attendances.

Number of Children on School Registers, 1901				14627
”	”	”	1902	14831
”	”	”	1903	15148
”	”	”	1904	15373
”	”	”	1905	15391
”	”	”	1906	15482
”	”	”	1907	15833

In the Census year practically 154 children were on the registers per 1,000 inhabitants. If we assume the ratio to remain the same, the population for 1907 will be 102,812, greater by 7,998 than the Registrar-General's estimate for 1907.

The following tabular summary shows that each of these methods corroborates the other for the past year, and further, that the results for the years preceding are also corroboratory:—

		Years.						
Method.		1902	1903	1904	1905	1906	1907	Totals.
1	...	1112	668	586	651	663	588	4268
2	...	346	1546	432	893	1805	1723	6745
3	...	1998	1454	1475	1284	1390	1412	9013
4	...	1258	2059	1461	117	590	2280	7765

If the average of the above four methods be taken, it is evident that the population of the Borough has increased by about 7,000 persons since the year 1901, and there is thus good ground for the supposition that the population of the Borough is between 100,000 and 102,000 persons.

Of these four methods probably the last two are the most reliable. It is noteworthy that these two show a higher increase, but it should be borne in mind that all these figures are merely estimates, and that influences may be at work which render them unreliable. They are the best means available of forming an estimate in the absence of more frequent censuses.

It should be steadily kept in mind that there is one predominant determining factor affecting populations of localities—where trade is flourishing, where there is plenty of work for workpeople, and the probability of making money, people will be attracted, and where converse conditions obtain, emigration will take place. Many examples of this rule could be cited.

The marriage rate has shown a notable increase during the year. During 1906 it was 8.6 per 1,000 of the population, during 1907 it increased by 2.0, being 10.6 per 1,000.

The birth rate, which had been 23.79, 23.71, 23.85, in 1903-4-5 respectively, rose to 24.34 in 1906. During the year under review it fell slightly to 23.17. These differences are hardly worth comment, except on the assumption that the population continues to increase. If this be so the birth rate continues to show a slight decline.

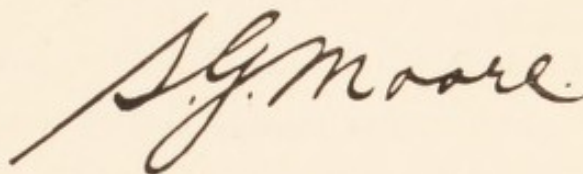
The death rate from Zymotic Diseases is eminently satisfactory, being 0.77, as contrasted with 2.15 per 1,000 for the preceding year. This result is largely due to the absence of Measles and Whooping Cough, but it is also contributed to by the diminished incidence of Zymotic Enteritis in infants under one year of age.

The Sale of Food and Drugs Acts continue to be in effect non-operative in the Borough.

During the year two out of the five Assistant Sanitary Inspectors have left, on appointment to more lucrative posts. During the past seven years the personnel of the staff of Inspectors has changed many times. These frequent changes are conducive neither to efficiency nor smooth working of the Department. They result from the very low rate of wages paid to the Inspectors. The fact that men trained in the Public Health Department at Huddersfield for comparatively short periods are successful in obtaining more valuable appointments elsewhere, in the face of considerable competition, goes to show that the training therein obtained is good.

I am, Gentlemen,

Faithfully yours,



M.D., D.P.H.,
Medical Officer of Health.

Public Health Department, Huddersfield.

July, 1908.

STATISTICS.

Population.

The population on the basis of the Registrar-General's method of calculation, estimated to mid-year 1907, was 94,814, or a decrease of 37 for the year, equal to .039 per cent of the total number of inhabitants.

By each of the four methods set forth in the introductory letter, however, a substantial increase is shown. This is progressive from year to year. There are good grounds for the belief that the total number of inhabitants of the Borough is well over 100,000 persons.

The following table shows the changes in the population census by census since the year 1831, and the change per cent:—

Census.	Population.	Variation.	Rate per cent.
1831	36732	...	...
1841	44933	+ 8201	+ 22
1851	54073	+ 9140	+ 20
1861	60940	+ 6867	+ 12
1871	70253	+ 9313	+ 15
1881	81823	+ 11570	+ 16
1891	†95420	+ 13597	+ 16
1901	95047	- 373	- 0.39

† Including the district of Longwood, which was added in 1890, and had a Census population in 1891 of 5406 persons.

+ Increase. - Decrease.

Marriages.

The number of marriages solemnised in the Borough was 1,008, equal to 10.6 per 1,000 of the population.

The following table shows the average annual number of marriages in the Borough and in the Huddersfield Union in five yearly periods from 1876 to 1905, and the numbers for the years 1906 and 1907.

Periods.	Borough of Huddersfield.	Huddersfield Poor Law Union.	Average Population of the Borough.
1876-80	820	1178	78919
1881-85	852	1247	84633
1886-90	843	1279	91440
1891-95	844	1298	95336
1896-00	882	1384	95149
1901-05	916	1422	94963
1906	821	1531	94851
1907	1008	1556	94814

Births.

In Tables A and No. 7 (post) will be found details of the birth-rates in the various districts of the Borough. The following short statement gives the population, births, and birth-rate for the years 1872, 1882, 1892, and 1902.

Year	Population.	Births.	Birth-rate.
1872	71,780	2,682	37.5
1882	83,271	2,562	30.8
1892	95,373	2,214	23.3
1902	95,000	2,354	24.4

It will be seen that the birth-rate underwent a reduction of 38 per cent in 20 years, and that it has apparently become stationary at about 23 or 24 per 1,000 population.

During the year 2189 Births were registered; less by 112 than during 1906. The sexes and rates for the year and for each quarter are shown in the table below.

1907.	Males.	Females.	Totals.	Birth-rate.
1st Quarter.	282	272	554	23·45
2nd „	286	264	550	23·28
3rd „	273	272	545	23·07
4th „	265	275	540	22·86
Totals...	1106	1083	2189	23·17

England and Wales, 1907.

Birth Rates and Infantile Mortality Rates.

	Estimated Population to Middle 1907.	Number of Births, 1907.	Birth-rate per 1,000 persons living at all ages.	Infant Mortality Annual Death- rate of Infants under 1 year per 1,000 Births.
England & Wales	34,945,600	917,636	26·3	118
76 Great Towns ...	16,024,458	431,726	27·0	127
142 Smaller Towns	4,916,070	126,367	25·7	122
Huddersfield ...	94,814	2,189	23·17	97

Births in the Huddersfield Poor Law Union.

Sub. Reg District.	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907
Huddersfield ...	1269	1313	1293	1233	1292	1111	1127	1057	1114	1001	1062	950	1002	966	1099	1059	1133	1104	1042	1091	1090	1071	1078	1055	1094
Almondbury ...	404	440	410	363	394	374	383	359	362	321	355	302	332	352	393	485	622	638	574	597	559	547	545	582	530
Kirkheaton.....	298	374	448	391	397	412	394	349	367	380	372	335	334	322	359	282	135	139	149	154	140	161	159	151	142
Kirkburton ...	341	371	317	330	382	338	346	298	328	303	278	297	286	282	255	289	280	290	270	306	310	332	292	306	297
New Mill	207	196	196	202	185	167	174	154	183	157	159	140	162	151	160	156	149	152	135	135	149	145	133	151	141
Holmfirth	307	289	299	278	268	273	290	241	262	231	234	223	214	236	204	221	190	188	183	202	196	202	167	197	184
Honley	355	373	351	334	376	342	329	323	345	336	303	258	294	290	291	316	270	272	284	297	284	276	270	266	305
Lockwood	510	544	508	484	473	507	463	449	455	459	438	395	484	402	504	608	621	651	573	614	614	638	633	677	588
Slaithwaite	279	294	283	249	254	260	245	249	273	308	315	295	274	278	226	239	212	224	196	217	212	208	216	215	230
Golcar	707	680	651	662	660	640	657	552	582	610	591	493	502	527	547	421	436	413	416	370	400	387	381	397	433
Totals...	4677	4874	4756	4526	4681	4424	4408	4031	4271	4106	4107	3688	3884	3806	4038	4076	4048	4071	3822	3983	3954	3967	3874	3997	3944

For the information relating to the Poor Law Union I am indebted to Mr. Rigby, Clerk to the Guardians.

NOTE.—In July, 1898, Dalton was transferred from Kirkheaton district to Almondbury, which will explain the serious decrease in the former and increase in the latter.

In March, 1898, Lindley and Longwood were transferred from Golcar to Lockwood.

Mortality.

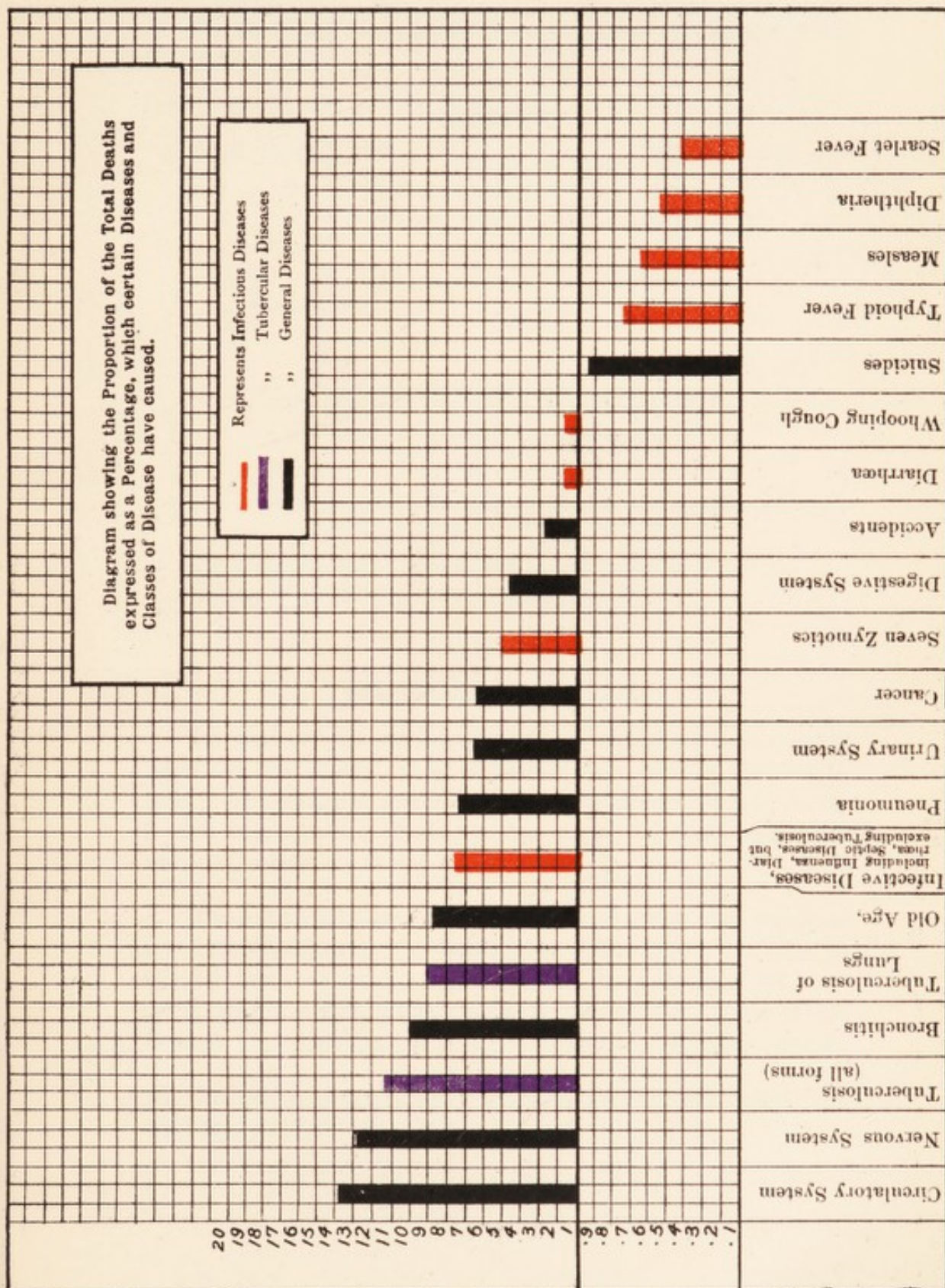
During 1907 there were 1,601 deaths in Huddersfield.

The following table shows the proportion of the total deaths expressed as a percentage, which certain diseases and classes of disease have caused:—

TABLE I.

All diseases of circulatory system, including all forms of Heart Disease	13.18 per cent.
All diseases of nervous system, including Convulsions, Apoplexy, and Epilepsy	12.37 „
Tuberculosis, all forms	10.99 „
Bronchitis	9.56 „
Tuberculosis of Lungs	8.49 „
Old Age	8.31 „
All Infectious Diseases, including the seven Zymotics, Influenza, Infective Enteritis, Summer Diarrhoea, Gangrene, and Pyaemia, but excluding all forms of Tuberculosis	7.25 „
Pneumonia	6.93 „
Urinary system, including all forms of Kidney Disease	6.06 „
Cancer	6.00 „
Seven Zymotics	4.56 „
Diarrhoea	1.25 „
Whooping Cough	1.12 „
Typhoid Fever	0.69 „
Measles	0.62 „
Diphtheria	0.50 „
Scarlet Fever	0.37 „
Small Pox	— „
All diseases of digestive system, including Intestinal Obstruction, Gastric Ulcer, and Appendicitis	4.06 „
Accidents	2.12 „
Suicides	0.87 „

The above information is expressed graphically in the following diagram:—



Deaths at different age periods expressed in percentages of the total deaths:—

TABLE II.

Aged under 1 year	...	...	...	13.24	per cent.
„ 1 to 5 years	...	...	...	7.12	„
„ 5 „ 15	„	...	...	3.19	„
„ 15 „ 25	„	...	...	4.81	„
„ 25 „ 65	„	...	...	44.53	„
„ 65 and over	...	...	...	27.11	„

Deaths in Public Institutions.

of persons resident in the Borough.

In the Sanatorium for infectious diseases 16* deaths occurred.

In the General Infirmary 92 „ „

In the Poor Law Workhouses 104 „ „

In the West Riding Lunatic Asylums 21 „ „

Infantile Mortality.

In view of the issue of the fourth edition of the complete report on this subject, it need not be dealt with at any length here. The complete report has had to be placed on sale, owing to the large number of applications to be furnished therewith, which have been received.

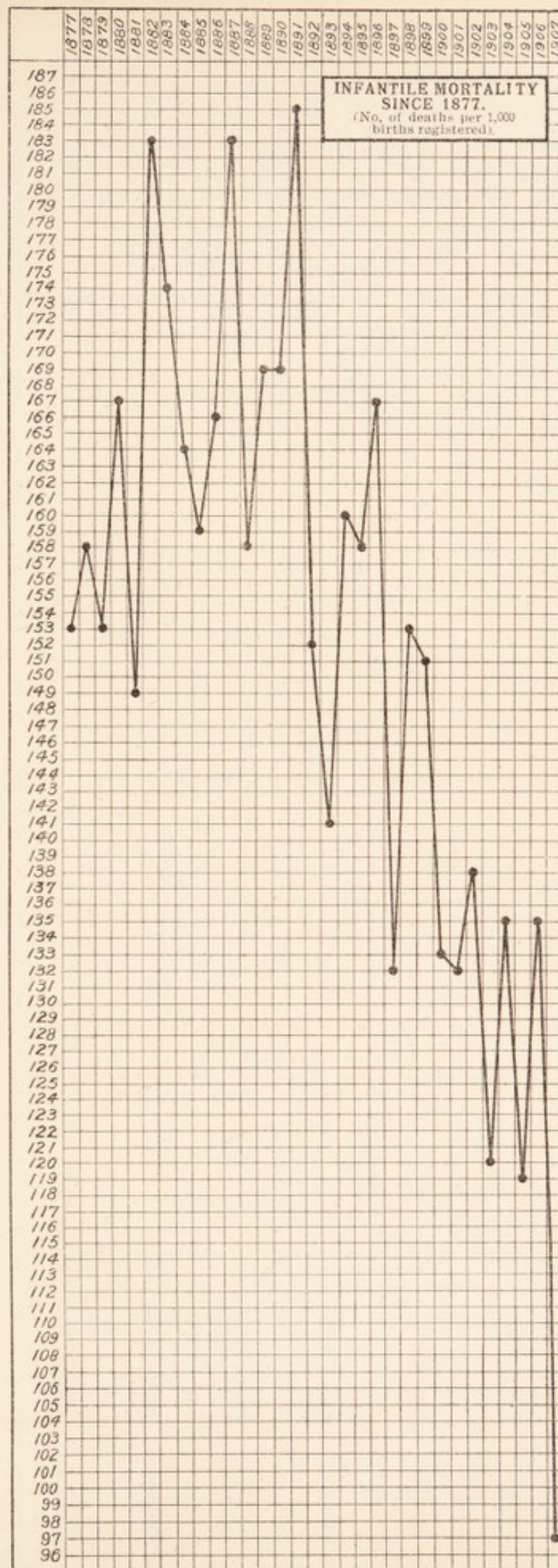
The following charts and table contain a sufficient record of the state of affairs in the Borough in this regard. It may be observed, however, that last year no fewer than eleven of the large towns had a lower infant mortality figure than Huddersfield. This year only one has, namely:—Croydon, a residential district.

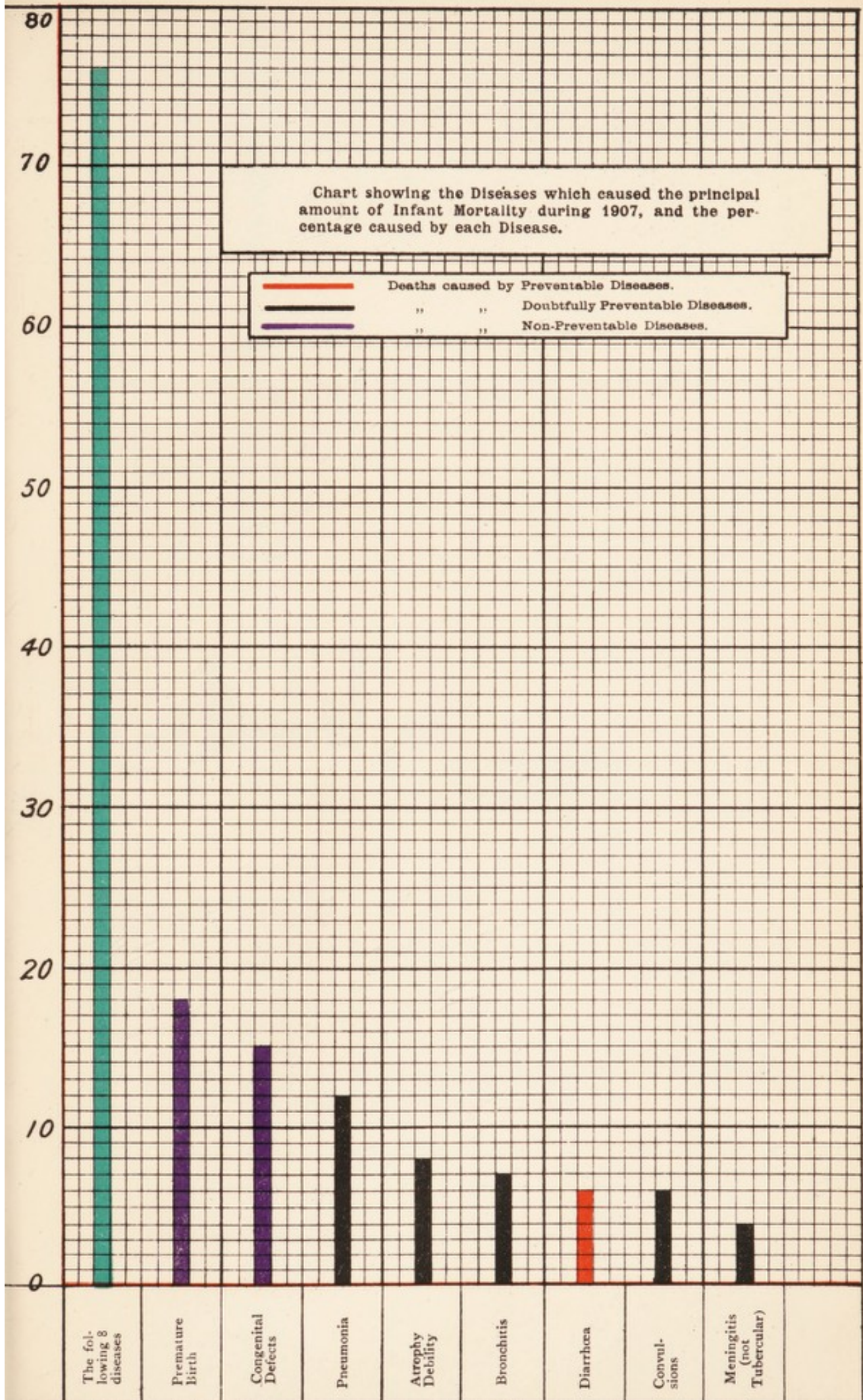
*Including 1 death which occurred in 1906, but which was registered in 1907.

Infantile Mortality, 1907.

34 Large Towns.

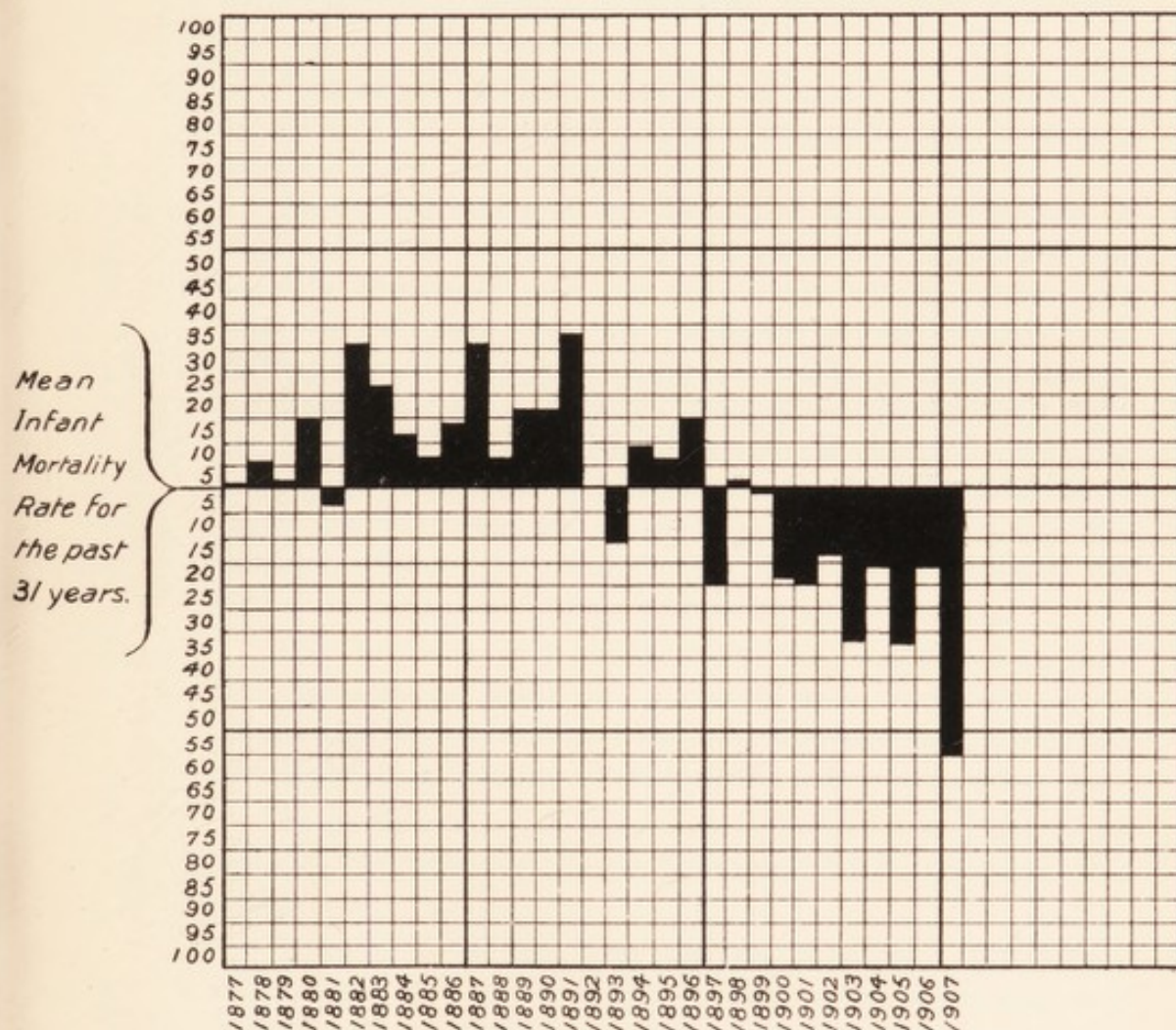
Name of Town.	Population.	No. of Births.	No. of Deaths under 1 year.	Rate per 1000 Births registered.
Croydon ...	154,342	3955	371	94
Huddersfield ...	94,814	2189	212	97
Bristol ...	367,979	8924	890	100
Tottenham ...	122,793	3703	381	103
Halifax ...	110,138	1913	197	103
Southampton ...	119,745	2757	298	108
East Ham ...	136,421	3580	385	108
Willesden ...	149,192	4161	457	110
Brighton ...	129,023	2710	305	113
London ...	4,758,218	121,408	14,114	116
Derby ...	125,774	3152	380	121
Portsmouth... ..	208,291	5796	714	123
Bradford ...	290,323	5777	718	124
Norwich ...	119,191	2968	370	125
Hull... ..	266,762	7666	974	127
Sunderland ...	156,029	5330	694	130
Wolverhampton ...	102,016	2684	350	130
Leeds ...	470,268	11,677	1520	130
Cardiff ...	187,620	4865	639	131
West Ham ...	308,284	8779	1154	131
Leicester ...	236,124	5458	716	131
Swansea ...	97,324	3157	416	132
South Shields ...	113,460	3276	437	133
Liverpool ...	746,144	23,654	3399	144
Sheffield ...	455,553	14,046	2042	145
Manchester... ..	643,148	18,434	2695	146
Bolton ...	182,917	4455	649	146
Birmingham ...	553,155	15,623	2304	147
Blackburn ...	134,980	3336	511	153
Preston ...	117,093	3129	494	158
Burnley ...	103,947	2953	466	158
Stockport ...	100,986	2707	430	159
Rhondda ...	130,400	4829	781	162
Nottingham ...	257,489	6889	1140	165





INFANT MORTALITY.

Diagram showing Annual Departure from the Mean of the Thirty-One Years, 1877-1907.



Midwives Act.

During the year 1907 there were 28 registered Midwives practising in the Borough of Huddersfield, six of these had had some hospital experience, but only four had been trained as Midwives; the remaining 22 are "bona-fides," and might be classified as good, fairly good, and bad. One of the oldest and most undesirable has died, several others who would also belong to Class III, will soon be obliged to give up, owing to age; all that can be done with these is to endeavour to make them keep themselves and their patients clean.

They almost all carry a disinfectant, usually Jeyes' Fluid, but one suspects it is often used in such microscopic quantities that it is more a name than a reality.

During the past year the necessity of personal cleanliness, of proper cleansing of the patient, the wearing of washing dresses when in attendance, and the care of the baby's eyes has been impressed at each inspection. Many of the women have improved, as a rule they are ready and willing to listen to advice, but forget too often to apply it. They all encourage breast feeding, several are ignorant how to prepare a bottle. There are many undesirable superstitions and customs held by the Midwives which are very difficult to eradicate, such as dropping the mother's milk into the baby's eyes if sore, and teaching the mother to moisten the nipple with saliva before feeding.

Only two cases of Puerperal Fever were reported in patients attended only by Midwives. Though these were not due to infection by the Midwife in charge, she was suspended at once and disinfected, and thus prevented carrying infection to other cases.

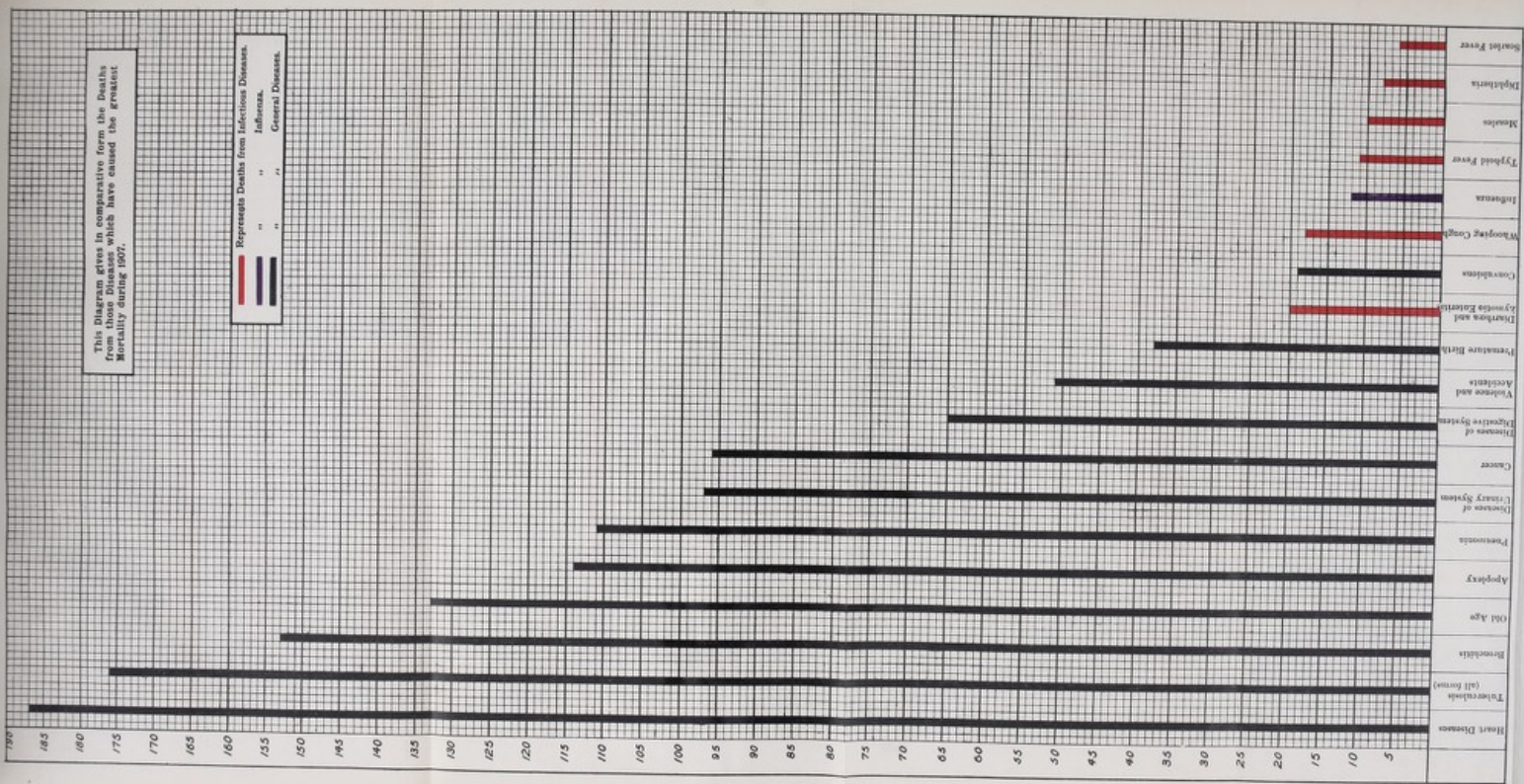
From March 1st to December 31st, 1907, out of 1,816 births notified, 436 were attended by Midwives, and 40 by unregistered women.

A strict watch has been kept on these last. They have been warned that if a death should occur in their practice, they will be held responsible; in most cases "they say" they only acted in an emergency.

One Midwife living outside the Borough, but practising inside it, was reported to her supervising authority as having failed to comply with the requirements of the Central Authority.

The following table gives the Population, Births, and Deaths, with the excess of Births over Deaths for the past 36 years:—

Years.	Population.	Births	Deaths.	Excess of Births over Deaths.
1907	94814	2189	1601	588
1906	94851	2301	1638	663
1905	94888	2256	1605	651
1904	94926	2243	1657	586
1903	94963	2252	1584	668
1902	95000	2354	1710	644
1901	95037	2175	1581	594
1900	95074	2376	1752	624
1899	95112	2374	1671	703
1898	95149	2295	1625	670
1897	95187	2365	1666	699
1896	95224	2096	1712	384
1895	95261	2151	1699	452
1894	95299	1988	1563	425
1893	95336	2311	1695	616
1892	95373	2214	1746	468
1891	95410	2324	2189	135
1890	94253	2167	1804	363
1889	92825	2276	1738	538
1888	91419	2243	1686	557
1887	90034	2487	2063	424
1886	88670	2385	1727	658
1885	87327	2530	1745	785
1884	86004	2576	1707	869
1883	84450	2488	1799	689
1882	83271	2562	1857	705
1881	82113	2567	1665	902
1880	81780	2545	1797	748
1879	80245	2598	1871	727
1878	78900	2759	1733	1026
1877	77600	2705	1735	970
1876	76072	2664	1760	904
1875	75069	2735	1770	965
1874	74150	2571	1585	986
1873	72940	2641	1525	1116
1872	71780	2682	1674	1008



General, Zymotic, Tubercular, and Infantile Mortality.

Table showing the rates of Mortality in Huddersfield for the year 1907 and **each of its quarters**, from all causes, from the seven Zymotic diseases, from all forms of Tuberculosis, and the ratio of the deaths in children under one year, to a thousand births in the same periods, with the corresponding death-rates in the 76 great towns, and similar table for 1906.

Quarter.	HUDDERSFIELD.				76 TOWNS.		
	All Causes.	Seven Zymotics.	Tuberculosis: all forms.	Children under one per 1,000 births.	All Causes.	Seven Zymotics.	Children under 1 per 1,000 births.
I.	20.02	0.93	2.20	99	19.0	1.46	136
II.	19.18	0.97	2.16	93	14.9	1.58	110
III.	12.66	0.76	1.73	62	12.2	1.47	109
IV.	15.92	0.42	1.35	133	15.4	1.68	154
Year 1907	16.94	0.77	1.86	97	15.4	1.54	127

SIMILAR TABLE FOR 1906.

Quarter	HUDDERSFIELD.				76 TOWNS.		
	All Causes.	Seven Zymotics.	Tuberculosis: all forms.	Children under one per 1,000 births.	All Causes.	Seven Zymotics.	Children under 1. per 1,000 births
I.	16.50	0.85	1.69	87	16.58	1.38	128
II.	16.54	0.97	1.78	110	14.92	1.45	108
III.	18.62	4.99	1.52	220	16.23	4.43	209
IV.	17.64	1.78	1.65	126	16.22	1.72	138
Year 1906	17.33	2.15	1.66	135	15.99	2.24	145

Infectious Diseases.

The Zymotic death rate for the year equalled 0.77 per 1,000 persons living at all ages. During 1906 the figure was 2.15, the average for the decennium 1897-1906 being 1.60. The average death rate from Zymotic diseases in the 76 Large Towns during 1907 was 1.54 per 1,000 of the population. A comparison between 1903, 1904, 1905, 1906, and 1907 can easily be accomplished by a reference to the following table:—

			1903.	1904.	1905.	1906.	1907.
Measles	...	...	0	75	5	61	10
Scarlet Fever	...	...	15	10	11	7	6
Diphtheria	...	...	14	14	11	13	8
Whooping Cough	...	...	16	25	17	32	18
Typhoid and other Fevers	...	...	8	7	17	9	11
Zymotic Enteritis	..	...	25	49	46	81	20
Small Pox	...	...	2	1	0	0	0
			—	—	—	—	—
Totals	...	...	80	181	107	203	73

Scarlet Fever.

The position of affairs relative to this disease is satisfactory. Only 145 cases occurred during the year, compared with 322 in the previous year, and 488 in 1905. The mortality per 1,000 of the population fell from 0.12 in 1905, and 0.07 in 1906, to 0.06 in 1907, while the attack rate per 1,000 of population was only 1.53 as against 5.14 and 3.39 in 1905 and 1906 respectively.

Notification of Scarlet Fever, first adopted in 1876

Hospital Isolation of Scarlet Fever commenced about same time

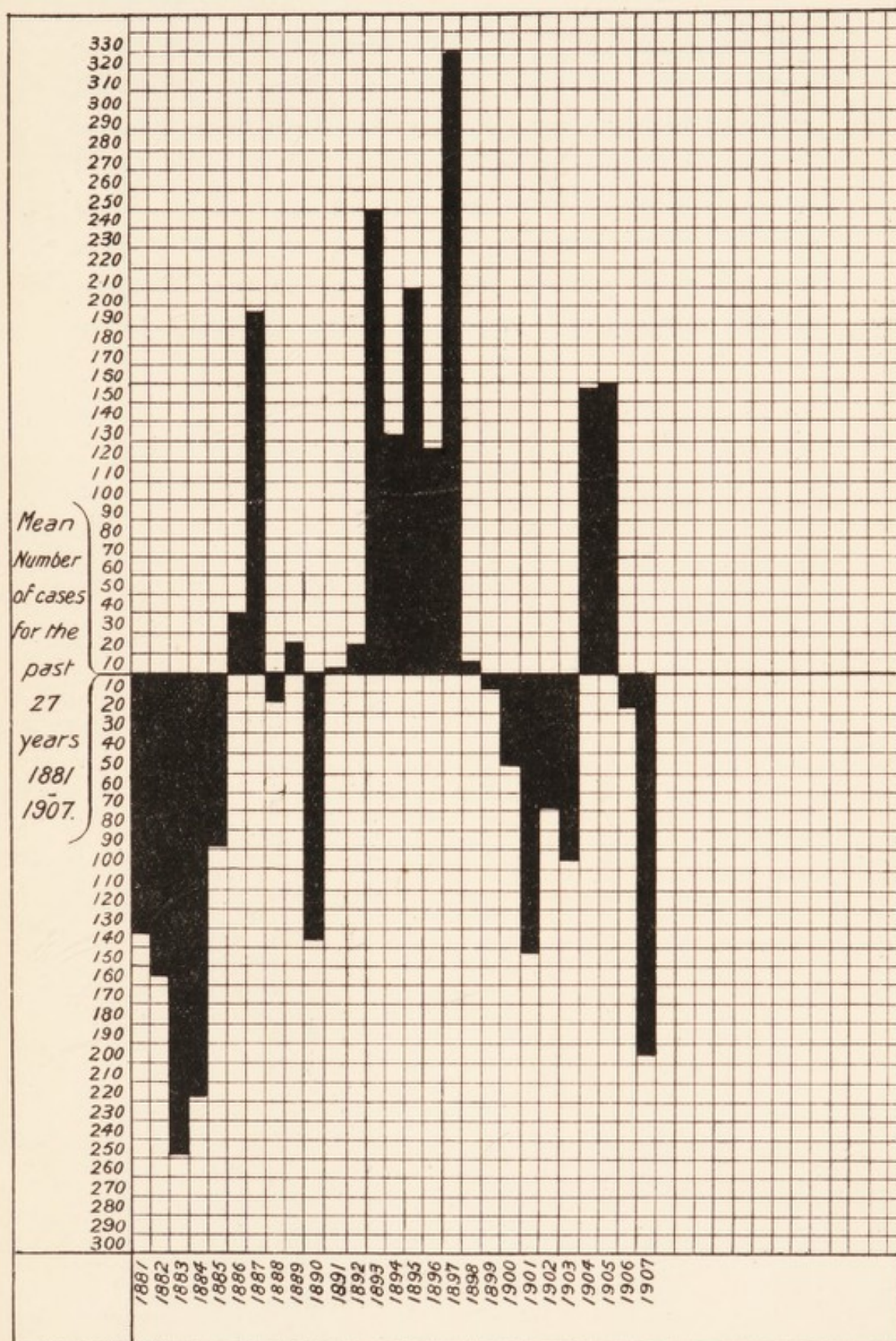
Year	Estimated population.	Total No. of Cases notified.	No. under 5 years of age.	Total No. of Deaths registered.	No. of Cases treated in Hospital	Attack rate per 1000 population.	Mortality per 1000 population.	Percentage removed to Hospital.	No. of Deaths in Hospital	Notes.
1875	75069	..	..	45	..	..	0.6	..	..	Old reports by M.O. H. state that notification not yet carried out satisfactorily
1876	76072	..	..	83	..	..	1.1	..	..	
1877	77600	128	..	64	81	..	0.8	..	1	
1878	78900	250	..	48	177	..	0.6	..	4	
1879	80245	..	..	90	154	..	1.1	..	12	
1880	81780	138	61	23	30	1.68	0.28	21.73	6	
1881	82113	206	71	17	119	2.47	0.21	57.76	7	This year the Medical Men without exception notified loyally. (See Annual Report of M.O.H.)
1882	83271	184	51	22	119	2.20	0.26	64.67	9	
1883	84450	91	..	7	43	1.07	0.08	45.05	2	
1884	86004	123	..	7	94	1.42	0.08	76.42	2	
1885	87327	251	..	11	185	2.87	0.13	73.70	4	
1886	88670	369	109	33	243	4.16	0.37	65.85	12	
1887	90034	526	144	31	364	5.84	0.35	69.20	17	
1888	91419	326	85	26	233	3.56	0.29	71.47	13	
1889	92825	354	106	26	309	3.81	0.28	87.28	17	
1890	94253	204	48	7	169	2.16	0.07	82.84	5	
1891	95410	341	101	30	296	3.57	0.31	86.80	17	
1892	95373	354	67	18	322	3.71	0.19	90.96	15	
1893	95336	579	129	25	509	6.07	0.26	87.91	17	
1894	95299	462	107	23	397	4.85	0.24	85.93	16	
1895	95261	539	122	20	485	5.66	0.21	89.98	9	
1896	95224	456	103	18	406	4.79	0.19	89.04	11	
1897	95187	658	167	32	608	6.91	0.34	92.40	20	
1898	95149	344	116	10	314	3.62	0.10	91.25	6	
1899	95112	333	66	7	318	3.50	0.07	95.49	5	
1900	95074	294	84	18	268	3.09	0.19	91.16	15	
1901	95037	198	65	6	183	2.08	0.06	92.42	6	
1902	95000	270	65	11	250	2.84	0.11	92.59	10	
1903	94963	244	72	15	230	2.57	0.16	94.26	15	
1904	94926	485	102	10	457	5.11	0.10	94.23	9	
1905	94888	488	117	11	461	5.14	0.12	94.47	8	
1906	94851	322	80	7	287	3.39	0.07	89.13	7	
1907	94814	145	35	6	130	1.53	0.06	89.66	5	

Table shewing the number of cases of **Scarlet Fever** known to have existed in Huddersfield during the years 1900—1907, the number occurring in each quarter of these years, and the deaths registered from the same disease; also the average cases and deaths per quarter in the five years 1900—1904.

Quarters.	1900		1901		1902		1903		1904		Averages of five years 1900-1904.		1905		1906		1907	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
I.	66	2	25	2	49	..	69	4	78	1	57	2	172	3	97	1	41	1
II.	97	6	64	..	56	1	66	5	72	1	71	3	87	1	69	2	29	1
III.	68	6	69	4	83	4	60	5	138	2	84	4	87	2	97	1	30	2
IV.	63	5	40	..	82	6	49	1	197	6	86	3	142	5	59	3	45	2
Year.	294	19	198	6	270	11	244	15	485	10	298	12	488	11	322	7	145	6

SCARLET FEVER

Diagram showing Annual Departure of Prevalence from the Mean of the Twenty-Seven Years, 1881-1907.



Typhoid Fever.

Only 31 cases of Typhoid Fever were notified during the year. The average during the years 1902-1906 was 54. The number is too small on which to base calculations as to the case mortality. Eleven deaths occurred, showing a case mortality of 35 per cent. During the preceding year the case mortality was only 12 per cent, in 1905 it was 23 per cent, the mean for the 10 years 1895-1904 being 21.0 per cent. The mortality among the cases treated at home was heavier than among those treated in hospital.

Table shewing the number of cases of **Typhoid Fever** known to have existed in Huddersfield during the years 1900—1907, shewing the number occurring in each quarter of these years, and the deaths registered from the same disease, also the average cases and deaths per quarter in the five years 1900—1904.

Quarters.	1900		1901		1902		1903		1904		Averages of five years 1900-1904.		1905		1906		1907	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
I.	9	3	4	1	8	1	8	3	9	1	8	2	10	4	11	3	10	7
II.	15	5	14	...	3	2	5	...	5	1	8	1	7	4	7	...	5	4
III.	13	6	30	10	7	..	10	1	26	1	17	4	31	6	25	3	9	...
IV.	16	6	37	7	8	2	14	3	21	4	19	4	24	3	32	3	7	...
Year.	53	20	85	18	26	5	37	7	61	7	52	11	72	17	75	9	31	11

Diphtheria.

The incidence of diphtheria increased again. During 1905 45 cases were notified, during 1906, 64; and during 1907, 70.

From 1901-1907 inclusive 379 cases of diphtheria have been notified, equal to an average of 54 per annum. Of the total 200 were treated in hospital, and 179 at home. Among the former 25 deaths took place, and among the latter 56. In other words, cases of Diphtheria treated in Hospital died at the rate of 12.5 per cent, while if treated at home they died at the rate of 31.3 per cent. This over the extended period of seven years.

Diarrhœa.

(Zymotic or Epidemic Inflammation of the Bowels).

These diseases caused 20 deaths of which 13 occurred among infants less than a year old, four among children aged one to five years, and three at ages between 25 and 65 years.

Tuberculosis.

By referring to Chart I, opposite Page 32, it will be seen that the progressive decline in the incidence of tuberculosis of the lung (Consumption) in Huddersfield appears to have ceased. During the year a definite increase occurred, the number of deaths rising from 119 in 1906, to 136, an increase far greater than can be accounted for by any error in the estimate of the population.

Tuberculosis of the lung is a disease which depends more than any other for its propagation on the absence of light and ventilation in the homes of the people. Moreover, while it is recognised generally that the steady substantial decline in the incidence of this disease is to be accounted for in part by the improved general condition of the population (including cheaper food, higher standard of personal hygiene, diminished drunkenness, and so forth), it is equally well recognised that the improvement in

public sanitation is an important factor. Should the arrest in the diminution of the death rate from this disease persist in Huddersfield, in the presence of good trade and abundant employment, together with continued improvement in the habits of the people, only one inference will be admissible, namely that the general sanitation of the Borough is not satisfactory.

It would be a pity to provide cheap dwellings at the expense of an increase in Tuberculosis. Whatever representations may be made to the contrary, it is beyond question that back-to-back houses cannot have as much ventilation and light as through houses. In a block of back-to-back houses arranged in four, it is obvious that at least one of the houses can never have direct sunlight penetrating its interior. But the most exact experiments in bacteriology demonstrate that micro-organisms persist in dark places, and retain their vitality, while in the presence of oxygen and light, particularly direct sunlight, they are rapidly destroyed.

The incidence of tuberculosis of the lung in the Borough in the last few years is disquietening. It is the least satisfactory part of the health statistics of the community.

In 1906 the Medical Officer of Health attempted to secure the compulsory notification of the disease, and clauses were inserted on his initiative in the Corporation Bill of that year, having that object. There was considerable opposition, however, and on the understanding that the local medical gentlemen would voluntarily notify cases, the clauses were abandoned by the Corporation. No notifications have been received.

The consequence is that during the life of consumptive patients, the Sanitary Authority has not the opportunity of undertaking preventive measures. Disinfection is performed after death, but in the light of modern knowledge this proceeding is merely grotesque. It is not entirely futile, but to permit (as is done) living patients to disseminate germs of the disease broadcast among the community, and after they have died and so ceased the active spread of infection, for the Sanitary Authority to step in and attempt to do good, is a line of action meriting the foregoing epithet.

In this problem of Tuberculosis there are many factors, some of greater utility for consideration than others. It may be worth while here to point out that many of the measures in popular vogue at present are merely palliative, and do not go to the root of the scourge. It should be borne in mind that even if every human case of Tuberculosis were so efficiently treated medically that every discharge from the body which could possibly contain the germs of the disease were forthwith disinfected and destroyed, so that the patient could not possibly be a danger to society, we have no assurance that the continuance of the disease would be arrested. Even if similar measures were applied to cattle and to all domestic animals, we have no assurance that among the "wild things" of our country side the disease is not present, and that germs derived from this source are not capable of persisting in the soil and elsewhere long enough to eventually gain access to human beings. Further, we have no definite knowledge that the germs of Tuberculosis do not normally exist outside of living organisms. It is well within the bounds of possibility, it is not even altogether improbable, that the tubercle bacillus, itself a minute vegetable, may not persist among vegetable surroundings.

If these considerations are well founded, it follows that the true line along which to combat the disease is to increase the resistance of human individuals, in other words to render the human "soil," in which the tubercular seed may become planted, unsuitable for its growth and development. When we recollect that the tubercular bacillus is being disseminated in places of public resort by tuberculous patients in all communities, and when we remember that it has actually been recovered and grown from the dust of such places as waiting rooms, public halls, railway stations, and public conveyances, but that only a limited number of individuals contract the disease, the importance of the "soil" as a factor in the production of the "consumptive" becomes duly prominent. The true measures against the disease therefore appear to be:--Active general sanitation, education of the young and old (particularly of the former) as to the importance of living a hygienic life, and of avoiding all vicious indulgences which tend to debilitate the system, and those measures of State which are calculated from any point of view to improve the material condition of the citizens.

Among the 176 deaths from all forms of Tuberculosis it was found that in 66 families deaths from the disease had previously occurred, thus:—

In 45 families 1 death had previously occurred.

„ 12	„ 2	„ „ „
„ 6	„ 3	„ „ „
„ 2	„ 4	„ „ „
„ 1	„ 5	„ „ „

In the 1st quarter there were 52 deaths.

„ 2nd	„ „ 51
„ 3rd	„ „ 41 „
„ 4th	„ „ 32 „

The tabular statement below shows the number of deaths which occurred from Tuberculosis in houses containing 1, 2, 3, 4, 5, and over 5 rooms, and also the number of deaths which occurred in the Infirmary, Sanatorium, Workhouses, and Asylums during 1907:—

4 deaths occurred in 1 roomed houses

30	„ „ 2 „
50	„ „ 3 „
26	„ „ 4 „
28	„ „ 5 „
11	„ „ houses with over 5 rooms
8	„ „ Infirmary
16	„ „ Workhouses
3	„ „ Asylums

OCCUPATIONS OF PERSONS DYING FROM TUBERCULAR DISEASES.

			Males.	Females.	Total.
Woollen Millhands	...	...	15	20	35
Cotton Millhands	...	...	—	5	5
Domestic Occupations	...	...	—	22	22
Clerks, Teachers, etc.	...	...	5	1	6
Children at Home	...	...	9	10	19
Children attending School	...	...	6	7	13
Labourers	...	...	18	—	18

			Males.	Females.	Total.
Tailors, Tailoresses, etc.	...		3	4	7
Masons, Miners, etc.	...	...	6	—	6
Stokers, Mechanics, Wheel-					
wrights, etc.	...	...	11	—	11
Painters, etc.	...	...	4	—	4
Rugweavers	...	...	—	2	2
Shopkeepers, etc.	...	...	5	1	6
Printers	...	...	3	—	3
Postmen, Hawkers, etc.	...		6	—	6
Boot and Shoe Makers	...		3	—	3
Charwomen	...	...	—	2	2
No occupation stated	...	...	1	7	8
			95	81	176

Measles and German Measles.

The notification of the above diseases having been abandoned during the year, it is not possible to state the number of cases which occurred, but judging from the fact that only 10 deaths, spread over the Borough, were certified as due to Measles, it would appear that the prevalence has only been slight.

Whooping Cough.

The death rate from this disease during the year compares very favourably with the previous year and the average for the past 5 years, as will be seen from the figures below:—

						Average.
1902	1903	1904	1905	1906	1902-1906	1907
0.48	0.17	0.26	0.18	0.34	0.29	0.19

Of the 18 deaths registered 4 were under the age of 12 months, and the remainder were under 5 years of age.

Influenza.

This disease caused 12 deaths during the year, being 1 above the average for the past 5 years 1902-1906, which is 11.

Septic Diseases.

During the year 20 deaths occurred from this class of disease, namely:—

Erysipelas	...	...	...	...	...	...	6
Puerperal Fever	...	...	...	...	...	...	2
Pyæmia Septicæmia	...	...	...	...	...	...	10
Other septic disease	...	...	...	...	...	...	2

Other Infectious Diseases.

Plague, Cholera, Small-pox, Typhus Fever, and Cerebro-Spinal Meningitis (Spotted Fever) were all absent from the Borough during the year.

CHART I.—Comparison of Various Death Rates from 1870-1907.

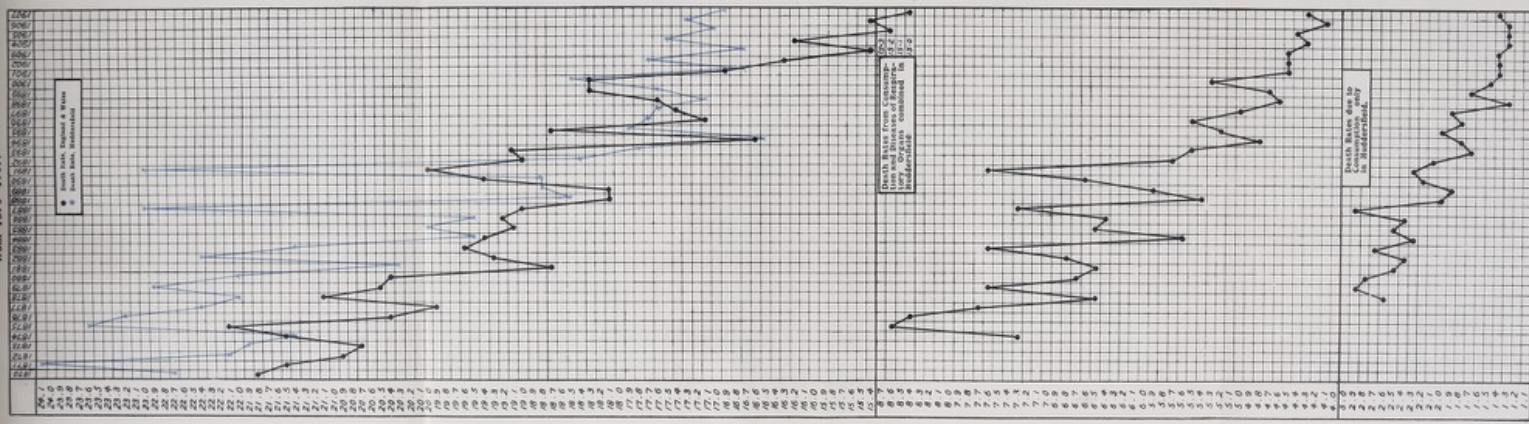
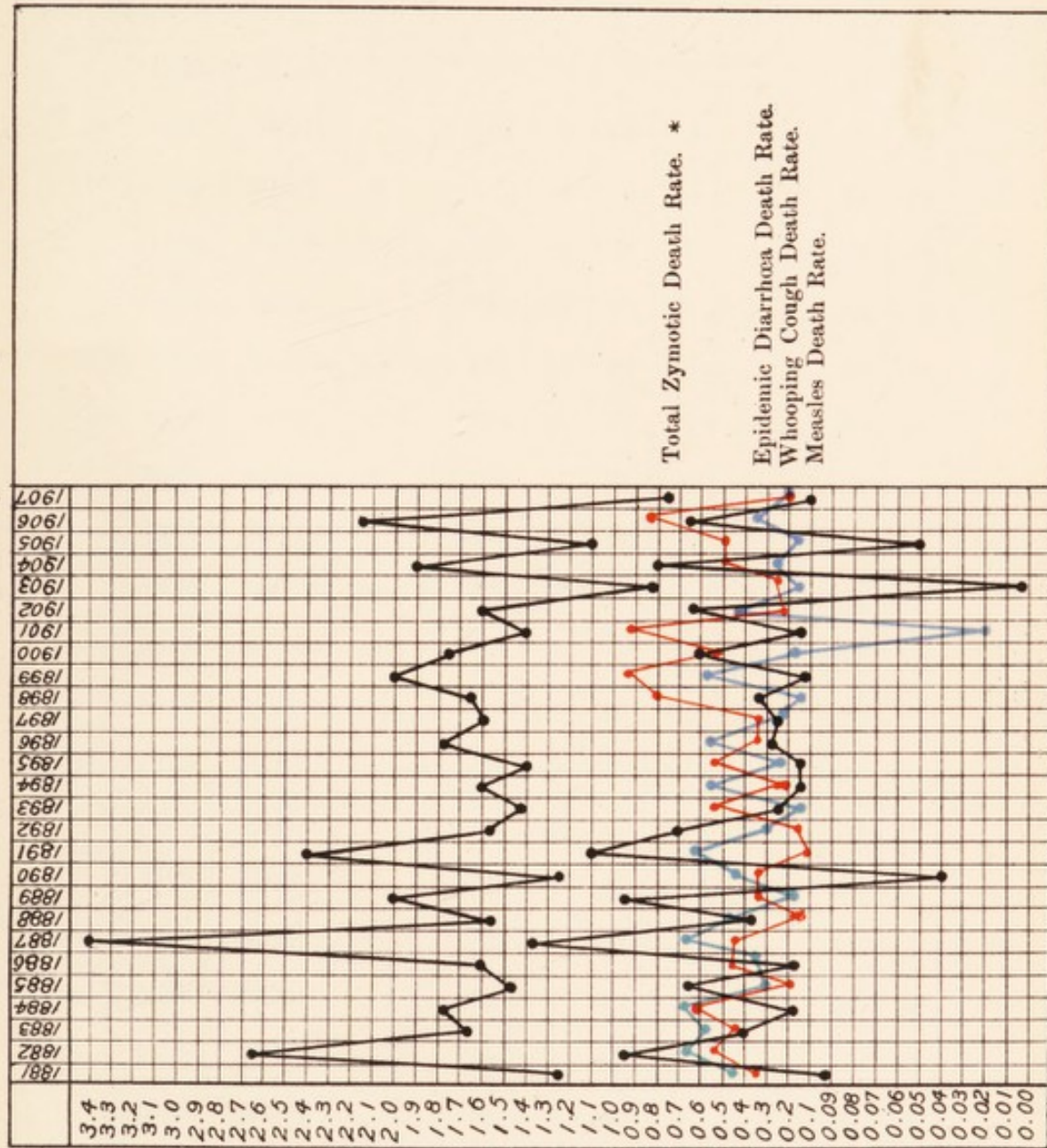


CHART II.—Comparison of Death Rates of Zymotic Diseases.



* Includes since 1900 Epidemic and Zymotic Enteritis.

Table shewing the number of cases of Infectious Diseases notified and deaths therefrom in the whole of the Borough, during the period 1883-1907.

YEAR.	Estimated Population.	Small-pox Cases.	Deaths.	Scarlet Fever Cases.	Deaths.	Diphtheria Cases.	Deaths.	Typhus Fever Cases.	Deaths.	Enteric Fever Cases.	Deaths.
1883	84450	1	...	91	7	8	3	...	...	41	13
1884	86004	...	...	123	7	8	4	...	...	87	12
1885	87327	3	...	251	11	4	4	...	...	66	10
1886	88670	39	...	369	33	29	12	...	...	45	12
1887	90034	...	...	526	31	83	41	...	...	48	9
1888	91419	15	2	326	26	40	14	...	...	56	12
1889	92825	...	...	354	26	40	12	...	..	50	10
1890	94253	5	1	204	7	21	5	1	...	62	24
1891	95410	...	...	341	30	19	5	..	...	38	15
1892	95373	16	1	354	18	21	7	...	..	22	6
1893	95336	48	2	579	25	13	3	...	.	57	13
1894	95299	5	...	462	23	36	27	1	..	31	11
1895	95261	...	...	539	20	34	19	...	...	60	6
1896	95224	1	...	456	19	43	26	...	...	70	13
1897	95187	...	.	658	33	56	21	1	...	64	16
1898	95149	2	...	344	10	46	14	...	...	77	10
1899	95112	...	...	333	7	26	5	...	...	69	24
1900	95074	...	...	294	19	14	2	...	...	53	20
1901	95037	...	...	198	6	24	6	...	...	85	18
1902	95000	13	1	270	11	37	15	...	...	26	5
1903	94963	53	2	244	15	79	14	...	...	37	7
1904	94926	39	1	485	10	60	14	...	...	61	7
1905	94888	2	...	488	11	45	11	...	...	72	17
1906	94851	...	...	322	7	64	13	...	...	75	9
1907	94814	...	...	145	6	70	8	...	...	31	11

Table shewing the number of cases of Diphtheria, Scarlet and Typhoid Fevers reported, treated at Home or in Hospital, with the respective case mortality during the years 1893-1907.

Year.	Disease.	Total.	Home Cases.	Hospital Cases.	Case Mortality per cent.	
					Home.	Hospital.
1893	Scarlet Fever ...	579	70	509	11·4	3·3
1894	"	462	65	397	10·8	4·0
1895	"	539	54	485	20·4	1·9
1896	"	456	50	406	14·0	2·7
1897	"	658	50	608	24·0	3·3
1898	"	344	30	314	13·3	1·9
1899	"	333	15	318	13·3	1·6
1900	"	294	26	268	11·5	5·6
1901	"	198	15	183	0	3·3
1902	"	270	20	250	5·0	4·0
1903	"	244	14	230	0	6·5
1904	"	485	28	457	3·6	1·9
1905	"	488	27	461	11·1	1·7
1906	"	322	35	287	0	2·4
1907	"	145	15	130	6·7	3·8
1893	Typhoid Fever...	57	47	10	21·3	10·0
1894	"	31	26	5	38·5	20·0
1895	"	60	49	11	10·2	9·1
1896	"	70	52	18	23·1	5·6
1897	"	64	40	24	25·0	25·0
1898	"	77	30	47	20·0	8·5
1899	"	69	21	48	52·4	22·9
1900	"	53	20	33	50·0	27·3
1901	"	85	23	62	30·4	17·7
1902	"	26	9	17	44·4	5·9
1903	"	37	9	28	22·2	17·9
1904	"	61	10	51	10·0	11·8
1905	"	72	16	56	50·0	16·1
1906	"	75	7	68	42·9	8·8
1907	"	31	13	18	38·5	33·3
1900	Diphtheria	14	7	7	28·6	0
1901	"	24	17	7	23·5	28·6
1902	"	37	22	15	54·5	20·0
1903	"	79	13	66	53·8	10·6
1904	"	60	30	30	30·0	16·7
1905	"	45	41	4	26·8	0
1906	"	64	39	25	25·6	12·0
1907	"	70	17	53	17·6	9·4

STREET LIST.

Arranged under the heading of each Infectious Disease.

Deaths which occurred at the Sanatorium are allocated to the addresses from which the cases were notified.

PLACE OF DEATH.	DISTRICT.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough	Euteric.	Diarrhoea.
1. Bottomley's Yard, Upperhead Row	Central ..	..	..	..	..	..	..	1
2. Bradley Street North	" ..	..	..	..	..	..	..	1
3. Canal Boat, Leeds Road	" ..	..	..	..	..	1	..	..
4. Castlegate	" ..	..	..	..	..	..	..	1
5. Clothier's Arms Yard, Bradley Street North	" ..	..	..	..	..	..	..	1
6. Duke Street	" ..	..	..	..	..	1	..	..
7. Great Northern Street	" ..	..	..	..	..	..	..	1
8. Henry Street	" ..	..	..	..	..	..	1	..
9. Hillhouse Road	" ..	..	..	..	..	1	..	..
10. King's Bridge, Colne Road	" ..	..	..	..	..	..	..	1
11. Love's Yard, York Street	" ..	..	..	..	..	..	..	1
12. Manchester Street	" ..	..	..	..	..	..	..	1
13. Mill's Row, Castlegate	" ..	..	..	..	..	..	..	1
14. Spring Street	" ..	..	..	1	..	..	..	..
15. Thomas Street	" ..	..	..	1	..	..	..	..
16. Violet Street, Turnbridge	" ..	..	..	..	..	1	..	..
17. Watergate	" ..	..	..	..	..	..	1	..
18. Windsor Court, Castlegate	" ..	..	..	..	..	..	..	1
19. " " " " " " " " " "	" ..	..	..	..	..	..	..	1
20. York Street, Northgate	" ..	..	..	..	..	..	..	1
21. Sanatorium	" ..	..	..	1	..	..	..	..
22. " " " " " " " " " "	" ..	..	..	..	1	..	..	..
23. " " " " " " " " " "	" ..	..	..	..	..	..	1	..
24. " " " " " " " " " "	" ..	..	..	..	..	1	..	..
1. Back Cross Lane	Marsh ..	..	1	..	..	..	..	..
2. Church Street, Paddock	" ..	..	..	..	..	..	1	..
3. " " " " " " " " " "	" ..	..	..	..	..	..	..	1
4. Longroyd Place	" ..	..	..	..	1	..	..	..
5. Market Street	" ..	..	..	..	..	..	1	..
6. Mark's Yard, Paddock	" ..	..	..	..	..	..	..	1
7. Upper Brow Road	" ..	..	..	..	..	1	..	..
8. Westbourne Road	" ..	..	..	..	..	1	..	..
9. West View	" ..	..	..	..	1	..	..	..
1. Corby Street	Fartown ..	..	..	1	..	..	..	..

STREET LIST—Continued.

PLACE OF DEATH.	DISTRICT.	Small pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Enteric.	Diarrhoea.
2. South Cross Road, Cowcliffe...	Fartown ..	..	..	..	..	1	..	..
3. Sanatorium	" ..	..	..	..	..	..	1	..
4. "	" ..	..	..	..	1	..	..	..
5. "	" ..	..	..	1	..	..	..	..
6. "	" ..	..	..	..	..	..	1	..
7. "	" ..	..	..	..	1	..	..	..
8. "	" ..	..	..	1	..	..	..	..
9. "	" ..	..	..	1	..	..	..	..
1. Leeds Road	Deighton & Bradley ..	..	..	..	..	1	..	..
1. Back Silver Street	Dalton ..	..	..	..	..	..	..	1
2. Church Lane	" ..	..	..	..	..	1	..	..
3. Dalton Lane	" ..	..	..	1	..	..	..	..
4. Gledhill's Yard, Storthes ...	" ..	..	..	1	..	..	..	..
5. Highroyd Lane	" ..	..	..	..	..	..	1	..
6. Kilner Bank	" ..	..	..	..	..	1	..	..
7. Trevelyan Street	" ..	..	..	..	..	..	..	1
8. Sanatorium	" ..	..	..	..	1	..	..	..
1. Common	Almondbury ..	..	..	..	..	..	..	1
2. Perseverance Street	" ..	..	..	..	..	..	..	1
3. Wood End, Lockwood Scarr...	" ..	..	..	..	..	1	..	..
4. " " " " " " ..	" ..	..	..	1	..	..	..	..
5. " " " " " " ..	" ..	..	..	1	..	..	..	..
1. Bentley Street	Lockwood ..	..	..	..	..	1	..	..
2. Dog Hall	" ..	..	..	..	..	1	..	..
3. Garden Street	" ..	..	..	..	..	1	..	..
4. Logwood Street	" ..	..	..	..	..	1	..	..
5. Lower Dog Hall	" ..	..	..	1	..	..	..	..
6. Oxford Place	" ..	..	..	..	..	1	..	..
7. Rashcliffe	" ..	..	..	1	..	..	..	..
8. Spa Terrace	" ..	..	..	..	..	1	..	..
9. Victoria Road	" ..	..	..	1	..	..	..	..
10. Union Workhouse	" ..	..	..	..	..	..	..	1
11. Sanatorium	" ..	..	..	..	1	..	..	..
12. "	" ..	..	..	..	..	..	1	..
13. "	" ..	..	..	..	..	..	1	..
14. "	" ..	..	..	1	..	..	..	..
1. Marsh House Avenue	Lindley ..	..	..	..	..	1	..	..
1. High Street	Longwood ..	..	1	..	..	..	..	..
2. Nettleton Hill	" ..	..	..	..	..	1	..	..

Cancer and Malignant Diseases.

These diseases have caused 96 deaths, as will be seen from the subjoined table, which shows the number of deaths and death-rates since 1881.

Mortality from Cancer and Malignant Diseases.

Year.	Population.	Number of Deaths from Cancer.	Death Rate per 1,000 of the Population.
1881	82,113	26	0.32
1882	83,271	32	0.51
1883	84,450	48	0.57
1884	86,004	57	0.67
1885	87,327	54	0.62
1886	88,670	50	0.57
1887	90,034	57	0.63
1888	91,419	70	0.77
1889	92,825	58	0.62
1890	94,253	75	0.79
1891	95,410	78	0.82
1892	95,373	75	0.79
1893	95,336	80	0.84
1894	95,299	82	0.86
1895	95,261	95	1.00
1896	95,224	88	0.91
1897	95,187	94	0.99
1898	95,149	80	0.84
1899	95,112	70	0.74
1900	95,074	95	1.00
1901	95,037	107	1.13
1902	95,000	93	0.96
1903	94,963	89	0.94
1904	94,926	97	1.03
1905	94,888	94	0.99
1906	94,851	108	1.14
1907	94,814	96	1.02

Dietic Diseases.

Diseases falling under the above classification during the year caused 8 deaths, 7 of which were due to Alcoholism, and 1 to Industrial Poisoning.

Constitutional Diseases.

These diseases accounted for 126 deaths, made up from:—

Cancer	...	...	...	...	...	96
Diabetes Mellitus	...	...	...	...	...	12
Anæmia	...	...	...	...	...	9
Rheumatoid Arthritis	...	...	...	...	...	4
Gout	...	...	...	...	...	2
Lymphadenoma	...	...	...	...	...	2
Purpura Haemorrhagica	...	...	...	...	...	1
						126

Developmental Diseases.

The deaths from this class of disease were:—

Old Age	...	...	...	...	...	133
Premature Birth	...	...	...	...	...	38
Atrophy, Debility, and Marasmus	...	...	...	...	...	18
Debility at Birth	...	...	...	...	...	13
Atelectasis	...	...	...	...	...	13
Injury at Birth	...	...	...	...	...	7
Congenital Defects	...	...	...	...	...	6
Dentition	...	...	...	...	...	4
Rickets	...	...	...	...	...	2
						234

The number of deaths during 1906 equalled 246, and in 1905 229.

Bacteriological Laboratory.

It is gratifying to be able to report that the assistance of the laboratory for the diagnosis of doubtful cases of infectious disease, including Tuberculosis, is being more and more largely employed by the medical gentlemen practising in the Borough

year by year, particularly with regard to Diphtheria and Typhoid Fever. Having regard to the fact that the earlier a diagnosis can be made with respect to tubercular disease of the lung the better the chance of recovery of the patient, it is regrettable that the specimens of sputum submitted for examination are not more numerous. The Poor Law Authorities send specimens in doubtful cases occurring among destitute persons under their care.

Hospitals.

At the end of December, 1906, the cases in the Hospitals were:—25 Scarlet Fever, 3 Diphtheria, 12 Typhoid Fever; Total 40. During the year 134 Scarlet Fever, 60 Diphtheria, 19 Typhoid Fever, 1 Erysipelas, and 7 Doubtful cases, totalling 221 cases, were admitted. The cases discharged were:—146 Scarlet Fever, 55 Diphtheria, 25 Typhoid Fever, 1 Erysipelas, and 7 Doubtful cases; Total 234. There were 15 deaths during the year, made up of equal numbers of Scarlet Fever, Diphtheria, and Typhoid Fever. At the end of the year the cases under treatment were:—8 Scarlet Fever, 3 Diphtheria, and 1 Typhoid Fever; total 12.

**The following is the Report of Patients in the Hospital for 52 Weeks
ended 28th December, 1907.**

	Small Pox	Scarlet Fever	Diphtheria	Enteric, or Typhoid Fever	Erysipelas	Doubtful	Total
Number in hospital on Saturday, 29th December, 1906	...	25	3	12	...	...	40
Number since admitted	...	134	60	19	1	7	221
Number discharged	...	146	55	25	1	7	234
Number Died	...	5	5	5	...	...	15
Number remaining in hospital ...	...	8	3	1	...	...	12

This Table includes all cases admitted into the Sanatorium during the year, whether from inside or outside the Borough.

HUDDERSFIELD UNION—VACCINATION RETURNS.

Registration Sub-Districts in County Borough comprised in the Vaccination Officer's District.	Number of Births returned in the "Birth List Sheets."	Number of these Births duly entered in Columns 1, 2, 4, and 5 of the "Vaccination Register" (Birth List Sheets), viz. :—					Number of these Births unentered in the "Vaccination Register," on account of			Number of these Births neither duly entered in the "Vaccination Register" (columns 3, 4, 5, and 6 of this Return), nor temporarily accounted for in the Report Book (columns 8, 9, and 10 of this Return).
		Col. 1. Successfully Vaccinated.	Col. 2.		Col. 4. Number in respect of whom Certificates of Conscientious Objection have been received.	Col. 5. Dead Unvaccinated.	Postpone-ment by Medical Certificate.	Removal to districts the Vaccination Officer of which has been duly apprized.	Removal to places unknown, or which cannot be reached, and Cases not having been found.	
			Insusceptible of Vaccination.	Had Small Pox.						
Huddersfield.	565	430	3	...	23	43	6	...	18	42
Almondbury.	248	200	1	...	12	11	4	...	5	15
Lockwood ...	278	224	...	...	29	16	2	...	2	5
Total.....	1091	854	4	...	64	70	12	...	25	62
Huddersfield.	511	385	8	...	14	49	3	1	12	39
Almondbury.	284	218	6	...	11	24	9	1	5	10
Lockwood ...	345	270	7	...	19	27	5	...	5	12
Total.....	1140	873	21	...	44	100	17	2	22	61

Jan. to June, 1907.

July to Dec., 1906.

The following figures relating to the meat trade have been kindly supplied by
Mr. Matthewman.

Abattoir.	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896
Carcases brought in	2606	2853	2944	4252	3523	3687	3362	3494	3534	2916	2987	1901
Beasts slaughtered	3105	2962	2911	2933	2819	3528	3505	3772	3813	3880	3412	3445
Calves	2684	2678	2477	2449	2409	2695	2980	3217	2493	2124	2031	1990
Sheep	14554	15417	14886	12275	12769	12944	12799	12443	12902	13102	12801	12846
Pigs	7506	6546	6423	6772	6942	6396	5706	6333	6829	5682	6579	6908
Private Slaughter Houses.												
Beasts slaughtered	650	570	654	638	647	843	717	805	757	833	870	743
Calves	456	438	404	373	422	562	434	479	628	597	474	354
Sheep	1781	1523	1734	1748	1894	1997	1594	1976	2647	2387	2640	2211
Pigs	1953	1838	2010	2256	1837	1842	1531	1602	1688	1522	1306	1123
Total	35295	34825	34443	33696	33262	34494	32628	34121	35291	33043	33100	31521

Abstract of Monthly Meteorological Observations for the Year 1907.

1907. MONTH.	Baromet- ter, corres- ponding to sea level, inches.	Temperature, Degrees F.					Wind Maximum miles per hour.	Sunshine, hours, (Total)	Rainfall inches (Total)	Moisture of air, 100ths saturation	Mean tempera- ture of week, in air	Mean tempera- ture at ft. oin. in ground	Mean tempera- ture at 4ft. oin. in ground	Total sunshine, per cent. of possible	Total horizontal movement of the wind Miles
		Lowest		Highest											
		Night		Day											
		Grass	Air	Shade	Sun										
January	30.31	24.1	26.6	45.7	50.8	30	35.1	1.28	83	37.8	37.1	41.6	17.0	5655	
February	30.01	21.8	26.7	46.3	92.1	40	95.8	2.97	82	36.7	35.0	39.1	30.0	5705	
March	30.04	28.8	31.6	64.0	104.2	43	160.4	3.24	78	44.1	40.5	39.8	48.0	5200	
April	29.77	24.8	29.0	57.3	107.5	35	80.8	2.28	81	44.0	43.9	42.4	21.0	4275	
May	29.82	28.8	33.8	73.7	121.8	42	96.0	5.23	79	49.4	49.6	45.7	18.0	4565	
June	29.79	33.2	40.0	72.3	124.0	38	114.4	3.45	77	53.7	54.7	49.5	25.0	4140	
July	30.01	35.2	41.3	73.8	126.0	25	115.6	2.09	75	56.5	57.2	52.0	27.0	2855	
August	29.89	31.8	39.5	70.5	120.0	35	138.8	2.48	77	56.0	57.2	54.3	28.0	3205	
September	30.13	27.0	34.0	73.5	118.0	25	114.2	0.31	79	56.3	55.5	53.9	33.0	2040	
October	29.67	24.8	30.3	64.0	103.0	35	66.1	4.68	88	48.6	50.4	51.9	22.0	2765	
November	29.91	18.8	27.2	55.4	80.4	50	36.2	4.01	88	43.1	43.8	47.9	12.0	3950	
December	29.69	20.0	26.8	53.0	66.0	40	14.6	2.93	88	39.2	39.6	43.2	7.0	4093	
Averages or Totals.	29.92	26.6	32.2	62.5	101.1	36	1068.0	34.95	81	47.1	47.0	46.8	24.0	50448	

Number of Lodgers using the Corporation Model Common Lodging House since 1887.

Date	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907
January ...	5942	7246	6307	7011	6994	7611	6556	5821	6108	5963	6677	6486	7111	5954	5708	5667	5643	5646	5696	5696	5690
February ...	5449	6335	6110	6180	6111	6933	5754	5282	5841	5815	5908	5908	6152	5947	5391	5464	5474	5565	5699	5825	5123
March	6232	6781	7044	7092	6988	7633	6318	5658	6422	6332	6549	6658	7295	5749	5380	5503	5506	5383	5412	5499	5680
April	5476	6615	6611	6857	6405	7546	6191	5632	5811	6069	6687	6548	7361	5703	5687	5504	5452	5371	5516	5515	5481
May	5893	6793	6653	6711	6914	6662	6052	5814	5773	6237	7210	7038	7692	5791	5459	5460	5492	5377	5493	5519	5677
June	6094	6412	6498	6351	6910	6036	5714	5278	5775	6691	6058	6798	6539	5587	5510	5692	5272	5304	5470	5701	5494
July	6143	6911	6241	6319	7115	5946	5917	5440	5987	6664	6472	6601	6816	5635	5274	5326	5369	5190	5310	5393	5670
August	6056	6838	6086	6545	7261	5684	5710	5192	5898	6786	6342	6567	6073	5685	5353	5311	5615	5506	5678	5700	5687
September..	6811	6362	5822	6306	7346	5698	5621	5647	5363	6761	5963	6573	6195	5939	5390	5529	5390	5665	5696	5702	5514
October	7408	6515	6600	6872	6783	5987	5867	5685	6015	7123	5629	6671	6671	5734	5318	5529	5599	5501	5473	5510	5700
November...	7025	6549	6635	6432	6879	6329	5885	5482	6329	6940	5476	6745	6999	5662	5503	5656	5491	5674	5649	5702	5517
December ...	7095	6470	6927	6905	7515	6033	5860	5767	6224	6957	6332	7218	7399	5967	5447	5494	5646	5491	5470	5510	5607
Total.....	75,624	79,827	77,534	79,581	83,221	78,098	71,445	66,698	71,546	78,338	75,303	79,811	82,303	69,353	65,420	66,135	65,949	65,673	66,562	67,272	66,840

REMOVAL OF NUISANCES.

	1st quarter	2nd quarter	3rd quarter	4th quarter	TOTALS
Drains requiring Re-construction ...	44	57	11	44	156
Do. connecting with main sewer	4	18	16	8	46
Drains not efficiently trapped ...	63	87	31	142	323
Do. requiring Ventilation Shafts	49	31	9	46	135
Defective Sink Pipes and Drains ...	139	98	40	94	371
Do. Yard Drains ...	69	39	18	52	178
Do. Cellar Drains ...	26	7	13	13	59
Do. Eave and Fall Pipes ...	48	29	13	50	140
Do. Roofing ...	8	3	2	12	25
Do. Urinals ...	8	...	1	5	14
Do. Baths ...	3	1	1	7	12
Do. Water Closets...	30	12	13	105	160
Waste Pipes requiring Disconnecting	39	22	14	32	107
Fall Pipes requiring Disconnecting	60	51	9	61	181
To provide Eave and Fall Pipes ...	3	4	...	3	10
Do. Sinkstones in Houses	1	5	2	...	8
Nuisances from want of Drains ...	8	2	3	3	16
Do. Water in Cellar ...	5	...	...	4	9
Do. Cellar Wells ...	...	...	1	...	1
Do. Cess Pools ...	...	3	2	...	5
Do. Street Gullies ...	14	5	8	26	53
Do. Stagnant Water ...	73	43	40	35	191
Do. Defective Surface of Yard ...	27	11	2	11	51
Do. Smoke ...	4	2	22	25	53
Do. Poultry, Pigeons, and Animals	...	..	7	5	12
Offensive Accumulations...	69	18	20	9	116
Do. Ashpits and Privies ...	46	11	3	3	63
Do. Swill Tubs ...	...	...	...	...	...
Do. Urine Receptacles ...	1	...	...	...	1
Urine Guards required ...	2	...	...	9	11
Closets requiring Lime-washing ...	20	14	...	3	37
Underground Bakehouses ...	...	1	2	...	3
Ashpits and Closets requiring Re-construction	36	35	10	37	118
Do. requiring proper doors and covering	22	19	20	14	75
Old Privies requiring alteration to tub or w.c. system	18	13	4	7	42
Insufficient Closet Accommodation	11	15	3	16	45
Houses Overcrowded ...	1	7	9	14	31
Do. Unfit for Habitation ...	4	...	...	3	7
Do. Requiring Cleansing ...	4	1	2	3	10
Do. Requiring Light & Ventilation	16	5	4	12	37
Do. Damp ...	19	3	5	15	42
Do. Requiring Water Supply	...	...	...	...	...
Workshops requiring Lime-washing	...	...	...	2	2
Do. Fire Escapes ...	...	...	...	24	24
Cowsheds requiring Lime-washing	...	2	1	18	21
Do. Draining ...	...	10	...	9	19
Do. Lighting ...	...	8	1	1	10
Do. Paving ...	1	4	...	1	6
Do. Ventilation ...	...	1	...	5	6
Bakehouses requiring Lime-washing or Cleansing	...	...	5	2	7
Do. Ventilation...	...	...	...	...	...
TOTALS ...	995	697	367	990	3049

An epitome of the Sanitary work accomplished during the year 1907 will be found in the following Table :—

SUMMARY.

	1st quarter	2nd quarter	3rd quarter	4th quarter	TOTALS
No. of premises where Zymotic or other infectious diseases have occurred	245	58	63	85	451
Do. inspected .. do. ..	245	58	63	85	451
Do. disinfected .. do. ..	186	90	88	101	465
Do. flushed .. do. ..	76	49	64	87	276
Do. visited searching for Fever ..	187	356	236	232	1011
No. of re-visits where cases are isolated at home ..	396	194	138	183	911
Do. Houses visited for Zymotic particulars ..	58	65	70	82	275
Total Number of visits to infected houses ..	920	770	582	652	2924
Infectious diseases reported ..	79	64	70	97	310
Cases removed to Hospital ..	52	44	46	67	209
Number of articles disinfected by Lyon's disinfecter ..	4065	4851	6933	4789	20638
Number of visits in deaths from Phthisis ..	44	52	34	37	167
Do. Under one ..	62	68	45	108	283
Number of premises flushed by request of owners (paid for) ..	55	81	69	63	268
Other premises, yards or courts flushed ..	583	424	359	456	1822
Drains found choked by flushers ..	139	200	250	170	759
Drains made clear ..	129	130	234	166	659
Number of Tubs registered ..	54	57	64	36	211
Do. applications received to empty Ashpits and Privies ..	121	140	92	80	433
Do. do. do. Receptacles ..	10	11	10	14	45
Nuisances reported at Sanitary Office ..	113	149	139	146	547
Do. inspected ..	113	148	139	146	546
Inspection of premises where Nuisances are found ..	579	567	419	587	2152
Do. do. where no Nuisances are found ..	970	766	914	744	3424
Do. premises where offensive trades are conducted ..	1	1	..	7	9
Do. Dwellinghouses in house to house visitation ..	..	..	204	..	204
Do. Cellar Dwellings ..	..	461	93	9	563
Do. Houses let in Lodgings and Common Lodging Houses ..	119	192	384	245	940
Do. Workshops and Workplaces ..	93	135	30	52	310
Do. Factories ..	53	31	118	178	380
Do. Schools ..	3	1	..	..	4
Do. Slaughter Houses ..	12	16	4	2	34
Do. Canal Boats ..	65	86	95	125	371
Do. Dairies and Milkshops ..	23	8	32	26	89
Do. Cowsheds ..	317	94	184	322	917
Do. Bakehouses ..	29	49	114	75	267
Do. Markets and Shops ..	..	3	646	641	1290
Do. Van Dwellings ..	49	26	53	..	128
Re-visits to work in progress ..	740	507	273	489	2009
Visits to property under notice ..	1345	1105	776	1081	4307
Total Number of Inspections of Premises ..	4398	4033	4369	4583	17383
Number of Entries in Report Books ..	187	146	156	286	775
Preliminary notices to owners ..	134	83	68	176	461
Number of legal notices issued for abatement or abolition of nuisances ..	201	101	30	82	414
Owners seen personally ..	451	466	337	391	1645
Summonses taken out ..	..	20	..	..	20
New houses certified as satisfactory ..	78	66	82	36	262

SUMMARY—Continued.

	1st quarter.	2nd quarter.	3rd quarter.	4th quarter.	TOTALS.
Sections of New Drains tested	114	90	18	22	244
" " and satisfactory at first test	110	85	15	21	231
Old Drains tested	199	133	64	182	578
" " and found sound	113	52	41	75	281
" " and found defective	86	81	23	107	297
Smoke observations taken	49	33	171	198	451
Number of visits under Food and Drug Acts	72	101	77	114	364
Food and Drugs—samples purchased	58	51	48	59	216
Do. adulterated	6	6	2	6	20
Meat, seizures made or destroyed... ..	84 Rabbits	2 fore quar- ters Beef, 2 Carcases Beef 1 Carcase Pork	2 cwts. tripe offal	1 Rabbit, 4 Carcases of Pork 2 cwts. 34 lbs. butchers' meat	85 Rabbits, 2 fore quar- ters Beef, 2 Carcases Beef, 5 car- cases pork, 2 cwts. tripe offal. 2 cwts. 34 lbs. butchers' meat.
Fish	...	..	...	4 cwts.	4 cwts. Fish
Fruit	..	..	4½ cwts.	..	4½ cwts. Fruit.
Water Samples taken for analysis	1	47	...	13	61
" polluted	1	25	...	5	31

Inspectorial Work.

Drainage, Nuisances and so forth.

Sanitary work is so many sided, and presents such a variety of experiences to the Sanitary Inspector, that it is impossible to completely present the same in a tabulated form. The two preceding tables will, however, well repay attention and study as indicating in some measure the work accomplished by the Sanitary Staff, the salient features of which may be summarised as follows:—

Seventeen thousand three hundred and eighty-three separate inspections have been made. In addition 3,091 visits were made to infected or suspected houses for disinfection and enquiry purposes. Four hundred and fifty-one smoke observations have been taken. In 2,090 cases drains have been flushed for the removal of nuisances; 268 of these were flushed at the request of the property owner, and the water used was paid for.

In 3,424 inspections no ground of complaint in respect of the sanitary condition of the premises were found.

Complaints of nuisances to the number of 547 have been made at the Office, and have received prompt attention. The number of entries in the Report Books of the Department have been 775; of these it was only necessary to report 387 to the Committee, as the works necessary to remedy the remainder had been commenced under the 461 preliminary notices sent out. In respect of those reported, 414 statutory notices were issued.

Common Lodging Houses.

The Common Lodging Houses in the Borough, with few exceptions, are of a very poor class, and are by no means such as should be registered for the purpose to which they are put; but as provision is necessary for this class of people, and the accommodation provided by the Council is insufficient, it is essential that some of the best of the houses previously registered under the Public Health Act should be registered under the

Huddersfield Corporation Act of 1906. However, during the year seven of the houses were refused registration, and five were subsequently closed as being unfit for human habitation.

Excluding the Corporation "Model" Lodging House, the number of houses registered during 1907 was 12, accommodating 363 lodgers.

During the year 125 visits have been paid to these houses.

Houses Let In Lodgings.

These are houses to which the Common Lodging House Sections of the Public Health Act, 1875, and of the Huddersfield Corporation Act, 1906, do not apply, but are houses in which lodgers are received for weekly or longer periods, and houses occupied by members of more than one family. The houses and their occupiers are subject to registration and to the regulations prescribed in Schedule 3 of the Huddersfield Improvement Act, 1871. The following particulars are interesting:—

Houses let in lodgings on the register, January					
1st, 1907	...	...	...	...	228
Houses added to register during the year					63
Houses removed from register	...	...	...	...	41
Net addition	...	...	...	...	22
Houses remaining on register December 31st,					
1907	...	...	...	...	250

202 of these are in the Central Wards of the Borough.

In these 250 houses there are 447 rooms registered as giving accommodation to 1,449 lodgers.

Eight hundred and fifteen inspections of houses let in lodgings have been made during the year.

FOOD INSPECTION.

SALE OF FOOD AND DRUG ACTS, 1875 to 1899.

Report of Action Taken under the above-named Acts in the County Borough of Huddersfield during the Year 1907.

1.—ARTICLES ANALYSED.

New Milk	...	...	173	of which 14 were certified as adulterated.
Skimmed and Separated Milk	...	...	3	
Condensed Milk	...	...	1	
Cream	...	...	6	all of which were certified to contain boracic acid.
Butter	...	...	18	
Margarine	...	...	3	
Lard	...	...	5	
Coffee	...	...	1	
Jam	...	...	2	
Lemon Cheese	...	...	1	
Corn Flour	...	...	1	
Ground Rice	...	...	1	
Honey	...	...	1	

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Genuine	...	...	...	...	...	196
Adulterated	...	...	...	...	...	20

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2.—DETAILS OF THE 14 NEW MILKS AND 6 CREAMS
REPORTED BY THE PUBLIC ANALYST
TO BE ADULTERATED.

No.	Article.	Result of Analysis.		*Proceedings.
1	New Milk	3.33	per cent fat abstracted	Considered by Town Clerk useless to attempt to obtain a conviction
5	do.	0.6	per cent water added	do.
11	do.	3.89	do.	do.
14	do.	4.06	do.	Town Clerk did not advise proceedings
24	do.	1.69	do.	do.
35	do.	2.71	do.	Town Clerk considers it useless to attempt to obtain a conviction in this case
52	do.	0.8	do.	Too small a percentage to send to Town Clerk
69	do.	0.8	do.	do.
70	do.	3.20	do.	Town Clerk of opinion that a conviction would not be obtained in this case
78	do.	3.34	per cent fat abstracted	do.
79	do.	3.84	do.	do.
86	do.	1.77	per cent water added	Too small a percentage to send to Town Clerk
125	do.	1.66	per cent fat abstracted	Town Clerk is of opinion that abstraction is not sufficient to obtain a conviction
126	do.	3.33	do.	do.
173	Cream	0.53	per cent boric acid added	Too small a percentage to send to Town Clerk
174	do.	0.60	do.	do.
175	do.	0.97	do.	do.
176	do.	0.68	do.	do.
177	do.	0.26	do.	do.
178	do.	0.04	do.	do.

No legal proceedings have been taken during the year.

Informal Samples.—The following samples have been taken, in an informal manner. They are included in the foregoing:—

11 of New Milk. 6 of Butter. Total 17.

All were found to be genuine.

In eight cases samples of Milk were placed in sterilised bottles and submitted to a bacteriological examination for Tubercle Bacilli, which were found in one case.

Dairies, Cowsheds, and Milkshops.

These premises have been kept under careful supervision during the year. Nine hundred and seventeen inspections of cowsheds have been made by the District Inspectors, and 89 of dairies and milkshops.

The numbers on the registers at the end of 1907 were:—

Number of Cowkeepers and Milk Purveyors	...	206
Number of Milk Purveyors only, residing in		
Borough		47
Number of Milk Purveyors only, residing outside		
Borough		74
Number of Milkshops		47
		374

In addition to the inspections named above, the Veterinary Inspector accompanied by a District Inspector has visited 358 sheds, and has personally inspected 1,902 milch cattle. In only one case was tubercle of the udder found. The farmer was instructed to desist from selling the milk, or using it in any way without previous boiling. Subsequently the cow was slaughtered, found to be badly affected with tuberculosis, and the carcase was destroyed.

The following table gives the number of farms, cowsheds, and cattle inspected by the Veterinary Inspector during 1907:—

Number of Farmsteads		211
,, ,, Cowsheds		358
,, ,, Milch Cattle Inspected		1902

Defects as regards structure, air space, light, ventilation, and drainage are difficult to get abated, because of the structural alterations involved. It is evident that this must be so, seeing that notices for remedy must be served on the occupier, who, though willing to do what is required, is hampered first by the want of sufficient capital, and secondly by the unwillingness of the owner to make further expenditure on the buildings, or to allow the occupier himself to make necessary alterations.

**FACTORY AND WORKSHOPS ACT,
1901.**

**REPORT OF INSPECTIONS AND OF ACTION THEREON,
During 1907.**

By Section 132 of the above named Act, the duty is laid upon the Medical Officer of Health of every District Council in his annual report to them, to report specifically on the administration of the Act in his district.

The duties imposed upon Sanitary Authorities under this Act have reference to the following subjects :—

- (a) Registration of Workshops.
- (b) Sanitation and Sanitary Accommodation and Conveniences.
- (c) Special Sanitary Provisions for Bakehouses.
- (d) Fire Escapes.
- (e) Home Work.
- (f) Miscellaneous.

(a) Registration.—The total number of workshops (including bakehouses) on the Register on December 31st, 1906, was 928. During the year 1907 107 new workshops have been added to, and 70 removed from the Register, showing a net increase of 37 during the year. The number of bakehouses on the Register is 149, an increase of 34 on the year. The total number of workshops included in the following classified list is 965 :—

Classified List of Workshops.

	On Register Dec. 31st, 1906.		Added during 1907.		Removed during 1907.		Remaining Dec. 31st, 1907.	
	Central District.	Outer Districts.	Central District.	Outer Districts.	Central District.	Outer Districts.	Central District.	Outer Districts.
Dress and Mantle Makers and Milliners, Tailors, Waterproof Manufacturers, &c.	136	100	13	8	16	8	133	100
Boot and Shoe Makers, Cloggers, Saddlers and Carriers	66	110	3	7	3	3	66	114
Black, Shoeing, Tin, and White Smiths; Cycle Repairs, &c.	42	30	1	...	4	1	39	29
Joiners, Cabinet Makers, Wood Carvers, Picture Framers and Gilders	32	42	...	2	3	...	29	44
Plumbers, Painters and French Polishers	40	16	1	10	1	1	40	25
Coopers, Carriage Builders, and Wheelwrights	10	13	...	1	4	...	6	14
Watchmakers, Jewellers, Engravers, and Electrical Engineers	25	8	2	1	...	...	27	9
Rug Makers and Rag and Wool Sorters	22	10	4	1	4	1	22	10
Upholsterers, Basket and Brush Makers	21	4	1	1	3	...	19	5
Hosiery Knitters, Shirt Makers, and Laundries	6	14	...	2	...	1	6	15
Monumental Sculptors	2	6	...	...	...	...	2	6
Organ Builders, Piano Repairers, &c.	7	1	...	...	3	...	4	1
Tripe Dressers	11	2	...	...	2	...	9	2
Bakehouses	38	77	18	25	2	7	54	95
Manufacturing Chemists; Mattress, Corset, Blind, and Waggon Cover Makers; Wire Workers, Tea Packers, Teazle Trimmers, Rope Makers, Tallow Chandlers, &c., &c.	24	13	3	3	2	1	25	15
	482	446	46	61	47	23	481	484
	928		107		70		965	

(b) Sanitation.—Nine hundred and fifty-seven inspections of factories, workshops, and bakehouses have been made as to cleanliness, air space, ventilation, drainage, and closet accommodation.

Two hundred and seventy-one cases of infringements of the Public Health Acts and of the Factory and Workshop Act were found during these inspections. Written notices were served in 113 cases, and 170 infringements were remedied in accordance with the requirements of the notices. In many of the unremedied infringements the necessary work is either in progress or has been given into the hands of contractors; and in others is under the consideration of the persons involved therein. Further inspections will be made in due course and appropriate action taken.

Sanitary Accommodation and Conveniences.—The question of the provisions of closet accommodation, the allocation of the same to sexes, and the proper ventilation and screening thereof, has had much attention during the past year. As will be seen from the return appended hereto, 136 contraventions of the provisions of Section 22 of the Public Health Acts Amendment Act, 1890, and of the Sanitary Accommodation Order have been met with. Seventy-three of these have been remedied, leaving 63 unabated at the end of the year. Fifty-five of these are either in hand or under consideration with a view to remedy.

(c) Special Sanitary Provisions for Bakehouses.—There are 149 bakehouses now on the Register, an increase of 34 on the year. Cellar bakehouses have been dealt with during the year as follows:—Three additional cellar bakehouses which had eluded previous inspection have been discovered, one of these has been discontinued, and two accepted for use. The number of cellar bakehouses remaining on the Register is 11. The bakehouses are systematically inspected as to cleanliness, closet accommodation, domestic washing, and sleeping places. Twelve breaches of sanitary requirements were found, 11 of which have been remedied.

(d) Fire Escapes.—Three hundred and eighty visits of inspection have been made to factories, in which special attention was directed to the means of escape in case of fire. In 17 cases the provision of escape “for the persons employed therein” was not such as could “reasonably be required under the circumstances of each case,” and in 7 other cases the escapes provided were not “maintained free from obstruction.” The insufficiency has been made good in 6 cases, and in the remainder the work is either actually in progress or under careful consideration. In 5 cases the obstructions have been removed. Two others are not completed

Six notices have been received under Section 14 from the Factory Inspector relating to 2 factories and 4 workshops. In the 2 factories the necessary alterations have been effected. The owners and occupiers of the workshops have been notified of the deficiency, but owing to the number of the workhands being under 40 and to the want of effective bye-laws, further steps in the matter were futile.

(e) Home Work.—Twelve lists have been received from employers and outside authorities of home workers being employed. These cover 22 persons. The house of each worker has been inspected and found to be in a good sanitary condition.

No case of refusal to admit the Inspector has arisen during the year.

The appended table is abstracted from and is a concise compilation of the return forwarded to the Home Office on the administration of the Factory and Workshop Act, 1901, in the County Borough of Huddersfield for the year 1907:—

FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES, AND HOMEWORK.

1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or
Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions
Factories (Including Factory Laundries.)	380	94	...
Workshops (Including Workshop Laundries)	576	18	...
Workplaces (Other than Outworkers' premises included in part 3 of this Report.)	1	1	...
Total	957	113	...

2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions
	Found.	Remedied.	Referred to H.M. Inspector	
<i>Nuisances under the Public Health Acts :—*</i>				
Want of cleanliness	2	2	..	...
Want of ventilation	..	...	...	...
Overcrowding	...	...	...	...
Want of drainage of floors ...	4	3	...	...
Other nuisances, including smoke	90	67	...	...
†Sanitary accommodation {	insufficient ...	7	4	...
	unsuitable			
	or defective...	107	56	..
	not separate			
for sexes ...	22	13	...	...
<i>Offences under the Factory and Workshop Act :—</i>				
Illegal occupation of underground bakehouse (S. 101)	3	3	...	...
Breach of special sanitary re- quirements for bakehouses (SS. 97 to 100)	12	11	...	...
Other offences (insufficient or obstructed fire escapes) (Excluding offences relating to outwork which are included in Part 3 of this Report.)	24	11	...	...
Total	271	170	...	...

* Including those specified in Sections 2, 3, 7 and 8 of the Factory and Workshop Act as remediable under the Public Health Acts.

† Section 22 of The Public Health Act Amendment Act, 1890, has been adopted by the District Council. Sanitary accommodation for persons employed in factories and workshops is deemed adequate if one tub closet is provided per 10 hands, or one w.c. per 20 hands.

3.—HOME WORK.

Class.	Number		
	Number of		
	Out-workers.		
	Lists	Con-tractors	Workmen
Lists of Outworkers (S. 107 :—			
All employed in the making, &c., of wearing apparel :			
Lists received from Employers twice per year.....	6	2	30
" " " " once " " 	5	...	6
Addresses of out- { received from other Authorities			1
workers ... { forwarded to other Authorities			2
Prosecutions			...
No of inspections of outworkers' premises :—			24
	Wearing Apparel;		Other.
Outwork in unwholesome premises (S 108).....	}		Nil.
Cases of infectious diseases notified in home- workers' premises			
Orders prohibiting homework in infected premises (S. 110)			

4.—REGISTERED WORKSHOPS.

Workshops on the Register (S. 131) at the end of the year					
Important classes of workshops, such as workshop bakehouses, may be enumerated here.	{	Workers in Clothing	...	254	
		" Leather	...	180	
		" Iron and Tin	...	68	
		" Wood	...	93	
		" Lead and Paint.	...	65	
		" Jewellery	...	36	
		" Bakehouses	...	149	
		" Miscellaneous	...	120	
		Total number of workshops			—
		on Register			...

5.—OTHER MATTERS.

Matters notified to H.M. Inspector of Factories :—			
Failure to affix Abstract of the Factory and Workshop Act (S. 133)			
Action taken in matters referred by H.M. Inspectors as remedi- able under the Public Health Acts, but not under the Factory and Workshop Act (S. 5)	{	Notified by H.M. Inspectors ...	23
		Reports (of action taken) sent to H.M. Inspector, per Town Clerk	23
Other			...
Underground Bakehouses (S. 101) :—			
Certificates granted during the year			2
In use at the end of the year			11

**Particulars of Work Performed by Scavenging Staff at
Hillhouse Depot, &c.**

1907	Receptacles brought in to the Depôt, &c.	Refuse burnt in Hillhouse Destructor			Loads of Clinkers disposed of.
		Loads.	Tns. Cwts.		
January ...	71806	1006	1232	0	319
February ...	63568	866	1130	0	323
March ...	70775	1077	1368	3	401
April ...	66144	906	1105	10	298
May ...	72108	878	1043	5	308
June ...	65025	859	1038	16	276
July ...	72223	837	978	15	230
August ...	70614	838	953	13	229
September ...	66827	727	841	1	193
October ...	72495	1034	1238	18	321
November ...	68182	971	1217	4	311
December ...	69714	810	1035	0	281
Year ..	829481	10809	13182	5	3490

Loads Collected during the Year 1907.

1907.	Ashes and Trade Refuse.	Slaughter House Refuse.
January	2763	27
February	2355	23
March	2441	22
April	2173	21
May	2190	24
June	2200	22
July	2399	21
August	2114	24
September	1755	19
October	2284	25
November	2238	26
December	2099	25
Total.....	27011	279

Hillhouse Depot Manure Sales.

MONTHS.	Stable Manure.	Grass Manure.	Market Refuse.	Slaugh- ter house Refuse.	TOTALS.
1907	Tons.	Tons	Tons.	Tons.	Tons.
January.....	268	...	...	28 $\frac{3}{4}$	236 $\frac{3}{4}$
February	185 $\frac{1}{2}$	...	...	7 $\frac{1}{2}$	193
March	176 $\frac{1}{2}$	...	..	6 $\frac{1}{2}$	183
April	227	...	...	31	258
May	133	...	...	22	155
June	79 $\frac{3}{4}$	..	...	17 $\frac{3}{4}$	97 $\frac{1}{2}$
July	118 $\frac{1}{2}$	...	...	2 $\frac{3}{4}$	121 $\frac{1}{4}$
August	254 $\frac{1}{2}$	...	...	51	305 $\frac{1}{2}$
September.....	180 $\frac{1}{2}$	...	..	15	195 $\frac{1}{2}$
October	190 $\frac{1}{2}$	...	...	13 $\frac{1}{4}$	203 $\frac{3}{4}$
November	183	...	...	23	206
December	174	..	...	13 $\frac{1}{4}$	187 $\frac{1}{4}$
Approximate Total.....	2110 $\frac{3}{4}$	...	...	231 $\frac{3}{4}$	2342 $\frac{1}{2}$

SMOKE OBSERVATIONS—1907.

The following Table shows the number of Smoke Observations taken during each month of the year, with the average number of minutes of Dense Black Smoke emitted per half-hour's observation.

1907.	Number of Observations taken.	Number showing Moderate Smoke or None.	Number showing Dense Black Smoke.	Total Minutes of Dense Black Smoke emitted.	Average number of minutes of Dense Black Smoke emitted from Chimneys per half-hour.	REMARKS.
January ...	6	2	4	11.0	2.75	The maximum limit for dense black smoke was fixed by the Sanitary Committee in March, 1898, at three minutes per half-hour observation. Where this limit has been exceeded warning letters have been sent to the parties involved, and if no improvement has resulted before the meeting of the Committee, they have been reported to the Committee. This has occurred in 23 cases during the year.
February ...	22	10	12	35.5	2.95	
March	17	8	9	21.5	2.39	
April	8	2	6	19.5	3.25	
May	15	6	9	26.5	2.94	
June	8	6	2	4.5	2.25	
July	33	18	15	30.5	2.03	
August	89	31	58	170.5	2.94	
September .	37	9	28	107.5	3.84	
October	80	22	58	172.5	2.97	
November ...	81	26	55	180.0	3.27	
December ...	23	8	15	46.5	3.10	
Duplicate observations	32					

Canal Boats Acts, 1877 and 1884.

Huddersfield Registration District.

Report as to the execution of the above named Acts and Regulations made thereunder for the year ended December 31st, 1907.

To the Mayor and Corporation acting as the Urban Sanitary Authority for the County Borough of Huddersfield.

GENTLEMEN,

I have pleasure in submitting this, my annual report on the the working of the Canal Boats Acts in this Borough, as required by Section 3 of the Canal Boats Acts, 1884.

The number of canal boats visited and inspected during the year ended 31st day of December, 1907, was 124, and of these 369 inspections were made, namely:—

37	Boats inspected once each ...	37	inspections.
38	„ twice each ...	76	„
16	„ three times each...	48	„
8	„ four times each ...	32	„
7	„ five times each ...	35	„
5	„ six times each ...	30	„
4	„ seven times each...	28	„
4	„ eight times each...	32	„
4	„ ten times each ...	40	„
1	„ eleven times ...	11	„
124		369	

as against 332 inspections of 134 boats during 1906, and 305 inspections of 119 boats during 1905.

The population found on board these boats numbered 698, namely:—562 adult males, 90 adult females, and 46 children, as against 663 in 1906, namely:—482 adult males, 86 adult females, and 95 children, and 609 in 1905, namely:—454 adult males, 87 adult females, and 68 children.

The following is a detailed statement of the number, age, and sex of children found on canal boats during 1907:—

1907	MONTHS.		YEARS.														TOTALS.
Ages ...	8	9	1	2	3	4	5	6	7	8	9	10	11	12	13		
Males..	1	..	2	2		3	1	1	...	1	1	2	1	1	2	18	
Females	...	1	3	7	3	2	4	1	2	...	1	2	...	2	..	28	
Totals...	1	1	5	9	3	5	5	2	2	1	2	4	1	3	2	46	

By analysing the above table it is found that the number of children visiting Huddersfield of school age, and under that age, are as follows, namely:—24 under 5 years of age, and 22 from 5 to 14 years of age.

The monthly distribution of children on canal boats has been as under:—

Month, 1907.	Under 5 years.	Over 5 years.	Totals.
January	1	1	2
February	1	3	4
March.....	4	...	4
April	6	4	10
May	3	...	3
June	1	2	3
July	...	2	2
August	...	1	1
September	...	...	...
October	6	5	11
November	1	...	1
December	1	4	5
Totals	24	22	46

It will be seen from this record that the larger proportion of children of school age were met with during the months of

April, October, and December, and 13 out of the 22 children of school age were met with on 5 boats in 6 inspections. One of these, with 2 children on board, visited Huddersfield twice. The number of boats carrying children of school age shows a decided decrease from last year, and more nearly approaches that of 1904 and 1905, as under:—

1904—13 boats carrying 25 children of school age, compared with					
1905—16	„	„	29	„	„
1906—25	„	„	47	„	„
1907—15	„	„	22	„	„

The education of the children of the canal boat population is a question that calls for continued exercise of moral pressure by the Inspector on the parents, so as to impress them with the importance of making arrangements whereby during the very susceptible years of life, 5 to 13 or 14, the children may have the advantage of regular education, combined with the discipline so necessary to enable them to take their place in the battle of life as wage earners. I have not failed to take this course when necessary during the past year. A few cases were still found (happily becoming rarer) where the boat was the only home, and where the wife had to help with the working of the boat in addition to her domestic duties. The mother accompanied the children wherever there were children on board.

Inspection of canal boats have been made on 81 days during 1907, and at each meeting of the Health Committee a report has been given of the number of boats visited, also infringements calling for the remedy which have been found since the previous Committee.

A large variety of goods are brought into the Borough by boat, consisting for the most part of coal, cement, corn, chemicals, copper ore, flour, jute, jute yarn, locust beans, logwood, pig-lead, iron (in pig and manufactured), oil, rough steel wire, rags, sugar, timber, tar, and wool. The exports have been corn, coke, chemicals, flour, machinery, and tar. The imports were loaded at Goole, Grimsby, Hull, Horbury, Wakefield, Selby.

The following paragraphs contain the information required by the circular of the Local Government Board, dated 21st December, 1907, arranged in the same order as those of the said circular:—

(1) Arrangements made for the inspection of boats, the name, address, and remuneration of the Inspector.

William Medley Drake, Chief Inspector of Nuisances for the County Borough of Huddersfield, Public Health Department, Huddersfield, was appointed Inspector of Canal Boats on the 7th day of January, 1895, and the remuneration of the work is included in his salary as Chief Inspector of Nuisances.

(2) The number of boats inspected during 1907, with the conditions of the boats and their occupants.

The number of boats inspected during 1907 was 124, and of inspections 369.

The 124 boats were made up of 54 broad boats, 18 narrow, and 52 fly boats, the latter figure being made up of 51 broad boats and one narrow boat.

The places of registry were Goole 70, Mirfield 44, Birmingham 2, Hull 2, Sowerby Bridge 2, Marple 2, and Manchester 2.

Ninety-seven per cent of the boats inspected were found to be in good condition, and conforming to the Acts and Regulations, and the occupants of all the boats appeared to be in good health.

(3) Infringements of the Acts and Regulations with respect to the following matters:—

(a) Registration. None.

(b) Notification of change of master. None.

(c) Masters without certificates. One. In this case a warning notice was served by post on owners; a re-inspection showed the infringement to have been corrected.

- (d) **Marking.** Two cases of defective marking were found and warning notices issued; the defects have subsequently been made good.
- (e) **Overcrowding.** None.
- (f) **Separation of sexes.** None required.
- (g) **Cleanliness.** In only one instance was a very dirty cabin met with, as left by a former master. Disinfectants were supplied, and a notice to clean was served on the master in charge. The work was commenced, but was not completed when the boat left here. Cases of temporary uncleanness have been remedied on request of the Inspector.
- (h) **Ventilation.** Nothing to complain about.
- (i) **Painting.** Two cases of this infringement were met with, in respect of which two warning notices have been issued. Both have been remedied as duly certified on certificates returned.

Repairs. In two boats repairs were required consisting of leaky decks, broken woodwork of cabin floor, and dilapidated stove. In one case the repairs have been carried out, leaving one in default.

I would point out a manifest omission in the Canal Boats Acts and Regulations whereby there is apparently no provision for making the owner responsible for the remedy of structural defects in the cabins of a canal boat. By Article 9 the owner is required to renew the paint once a year. By Article 10 the master must remove bilge water, by Article 11 the master must keep the cabin clean and habitable; but when dilapidations occur, and the woodwork rots, no provision is made to compel the owner to make the same good.

- (j) **Provision of water cask.** One cask found defective.
- (k) **Removal of bilge water.** This work received regular attention.

(l) Notification of infectious disease. None.

(m) Admittance of Inspector. No difficulty experienced.

(4) Legal proceedings taken. None.

(5) Any other steps taken to secure compliance with the Acts and Regulations. Three warning notices have been issued, and numerous letters written, in respect of the nine infringements (enumerated above) found on 4 boats, and 10 infringements on 5 boats, in default at the beginning of the year, and many matters of cleanliness of minor moment have received prompt attention at the instigation of the Inspector.

(6) Infectious disease. None.

(7) Detention of boats. None.

(8) Number of boats on the Register. One.

(9) Number registered during 1907. One.

The usual summary is appended.

Faithfully yours,

WILLIAM MEDLEY DRAKE,

Inspector under the Canal Boats Acts.

Public Health Department, Huddersfield,

January 8th, 1908.

Canal Boats Acts, 1877 and 1884.
Summary Appendix to the Annual Report of the Canal
Boats Inspector for the year 1907.
Huddersfield Registration District.

	1907.	1906.	1905.
Number of boats inspected	124	134	119
Made up of Broad boats. .	54	63	55
Broad fly boats ...	51	52	45
Narrow boats ...	18	18	18
Narrow fly boat...	1	1	1
Registered Accommoda- tion—Aft Cabin ...	1099½	1050½	961½
Fore Cabin ...	610½	621	451½
	1710	1671½	1413
Population found on board:			
Adults ...	652	568	541
Children ...	46	95	68
	698	663	609
Children under school age	24	48	39
Children of school age ...	22	47	29
Number of days on which inspections have been made	81	65	66
Number of inspections made	369	332	305
Number of boats conform- ing to Acts and Regu- lations... ..	120	127	113
Number of boats with one or more infringements..	4	7	6
Number of infringements met with	9	12	11
Number remedied ...	6	2	4
Number dealt with by Magistrates	...	...	...
Number still under notice December 31st, 1907...	3	10	6
No service effected ...	1	...	...

WARNING NOTICES AND CERTIFICATES.

Details of Infringements.	No. issued.	Certificates returned.	Not remedied.
Non-production of certificate	1	1	...
Water Cask dilapidated	1	...	1
Insufficient marking	2	2	...
Painting	2	2	...
Dilapidation	2	1	1
Cleanliness	1	...	1
	9	6	3

PARTICULARS OF NON-REMEDIED INFRINGEMENTS.

Effort (337, Goole). Cabins dirty and offensive; woodwork dilapidated; rotting water cask.

Total, 3 infringements. One inspection.

(Signed)

WILLIAM M. DRAKE.

TABLE A.

YEAR.	Population estimated to middle of each year.	Births.		Deaths under one year of age.		Total Deaths registered in the District at all ages.		Total Deaths in Public Institutions in the District	Deaths of Non-residents registered in Public Institutions in the District	Deaths of Residents registered in Public Institutions beyond the District.	Net Deaths at all ages belonging to the District.	
		Number.	Rate.*	Number.	Rate per 1,000 Births registered	Number.	Rate.*				Number.	Rate.*
1	2	3	4	5	6	7	8	9	10	11	12	13
1897	95187	2365	24.93	313	132	1666	17.56					
1898	95149	2295	24.20	351	153	1625	17.13					
1899	95112	2374	25.04	359	151	1671	17.63					
1900	95074	2376	25.07	315	133	1752	18.49					
1901	95037	2175	22.96	287	132	1581	16.69					
1902	95000	2354	24.39	324	138	1710	17.72					
1903	94963	2252	23.79	271	120	1584	16.73					
1904	94926	2243	23.71	304	135	1657	17.51					
1905	94888	2256	23.85	269	119	1605	16.97					
1906	94851	2301	24.34	311	135	1638	17.33					
Averages for years 1897-1906.	95019	2299	24.23	310	135	1649	17.38					
1907	94814	2189	23.17	212	97	1638	17.33	270	62	25	1601	16.94

These particulars are not available for these years.

* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water)	{	11720.	{	Total population at all ages ...	95047	} At Census of 1901.
		Number of inhabited houses...		22356		
		Average number of persons per house		4.252		

I Institutions within the District receiving sick and infirm persons from outside the District.	II. Institutions outside the District receiving sick and infirm persons from the District.	III Other Institutions, the deaths in which have been distributed among the several localities in the District.
Huddersfield General Infirmary Sanatorium for Infectious Diseases. Huddersfield Union Workhouse	Deanhouse Workhouse West Riding Lunatic Asylums at :— Storthes Hall, Menston, Wadsley, Wakefield.	
Is the Union Workhouse within the District? Yes ! Crosland Moor.		

TABLE B.

Names of Loca- lities.	1.—WHOLE BOROUGH.				2.—CENTRAL.				3.—MARSH.				4.—FARTOWN.				5.—DEIGHTON AND BRADLEY.			
	Population esti- mated to middle of each Year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each Year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each Year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each Year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each Year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.
Year.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.
1897	95187	2365	1666	313	24705	612	515	90	8140	218	135	39	10279	212	181	20	2205	58	21	5
1898	95149	2295	1625	351	24518	625	513	101	8110	179	99	26	10394	205	150	27	2195	45	40	3
1899	95112	2374	1671	359	24331	639	570	134	8080	194	101	28	10511	246	145	16	2184	52	41	7
1900	95074	2376	1752	315	24146	631	542	107	8050	171	123	28	10629	239	155	26	2174	56	29	5
1901	95037	2175	1581	287	23962	596	483	105	8020	164	112	19	10747	234	156	38	2163	44	34	5
1902	95000	2354	1710	324	23773	593	496	100	7988	207	120	31	10861	256	159	35	2152	55	29	5
1903	94963	2252	1584	271	23585	594	463	75	7956	198	111	19	10976	248	149	27	2141	47	43	7
1904	94926	2243	1657	304	23397	548	551	113	7924	181	113	19	11091	285	146	31	2130	49	21	4
1905	94888	2256	1605	269	23209	574	457	94	7892	199	108	22	11205	265	167	27	2119	40	29	4
1906	94851	2301	1638	311	23022	552	498	111	7860	195	98	22	11319	253	140	29	2108	53	31	5
Average of Yrs. 1897 to 1906	95019	2299	1649	310	23865	596	509	103	8002	191	112	25	10801	244	155	28	2157	50	32	5
1907	94814	2189	1601	212	22835	574	495	76	7828	209	112	19	11433	251	174	16	2097	43	38	1

TABLE B.—continued.

Year.	6.—DALTON.				7.—ALMONDBURY.				8.—LOCKWOOD.				9.—LINDLEY.				10.—LONGWOOD.			
	Population esti- mated to middle of each Year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each Year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each Year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each Year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each Year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.
1897	8480	246	148	30	14592	384	218	46	12866	336	274	49	8493	180	120	27	5377	119	54	7
1898	8491	227	127	40	14550	383	206	45	12997	352	295	59	8481	158	108	25	5372	121	87	25
1899	8502	258	165	39	14509	364	213	48	13130	322	237	46	8468	181	110	25	5367	118	89	16
1900	8513	246	190	31	14467	387	213	42	13264	335	310	40	8455	193	108	23	5362	118	82	13
1901	8523	239	131	24	14425	330	230	46	13399	328	248	22	8441	137	103	16	5357	103	73	12
1902	8534	244	189	33	14384	374	226	44	13528	339	268	39	8428	180	114	22	5352	106	96	15
1903	8544	215	145	29	14342	335	199	48	13657	353	282	36	8415	165	118	18	5347	97	67	12
1904	8554	208	171	27	14300	338	201	32	13786	356	276	50	8402	163	99	14	5342	115	68	14
1905	8564	227	159	34	14258	318	214	30	13915	335	273	38	8389	190	120	13	5337	108	72	7
1906	8574	228	148	30	14216	350	209	45	14044	355	308	44	8376	203	112	14	5332	112	88	11
Avg's of Yrs. 1897 to 1906.	8528	234	157	32	14404	356	213	43	13459	341	277	42	8435	175	111	20	5354	112	78	13
1907	8584	206	134	23	14174	318	223	27	14173	309	222	26	8363	167	115	13	5327	112	88	11

NOTES.—*Deaths of residents occurring beyond the district are to be included in sub-columns c of this table, and those of non-residents registered in the district excluded.

Deaths of residents occurring in public institutions are allotted to the respective localities, according to addresses of deceased.

*The above arrangement has been strictly adhered to during the year 1907, but in previous years owing to information of the death of residents of the Borough in outer Districts not being furnished to the M. O. H., the following method was adopted:—

In the Central District all births and deaths occurring in the Infirmary were included.

" Dalton " " deaths occurring in the Sanatorium were included.

" Lockwood " " births and deaths occurring in the Grosland Moor Workhouse were included.

In 1901 there were 11 deaths in Deanehouse Workhouse of persons formerly resident in Huddersfield; in 1902, 13 deaths; in 1903, 7 deaths; in 1904, 11 deaths; in 1905, 6 deaths; and in 1906, 6 deaths.

TABLE C.
Cases of Infectious Disease notified during the Year 1907.

Notifiable Diseases	Cases notified in whole District.						Total cases notified in each Locality.									No. of Cases removed to Sanatorium from each locality.									Total cases removed to Sanatorium from inside the Borough.	
	At all ages.	At Ages—Years.					1	2	3	4	(H) Dalton.	(W) Lockwood.	8	9	1	2	3	4	(H) Dalton.	(W) Lockwood.	8	9				
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.																	65 and upwards.			
Small-pox ..	..	..	..	..	..	..	..	18	14	13	3	6	7	2	1	..	5	11	2	6	7	2	1	53		
Cholera ..	..	..	..	..	6	..	..	18	14	13	3	6	7	2	1	..	5	11	2	6	7	2	1	53		
Diphtheria ..	70	..	..	..	..	..	..	18	14	13	3	6	7	2	1	..	5	11	2	6	7	2	1	53		
Membranous croup ..	..	..	..	..	28	7	..	10	3	8	1	6	6	3	3	..	..	..	1	..	..	..	..	1		
Erysipelas ..	43	2	..	1	5	..	..	10	3	8	1	6	6	3	3	..	..	..	1	..	..	..	..	1		
Scarlet fever ..	145	1	34	91	16	3	..	29	9	21	4	10	22	36	8	..	..	18	4	10	19	4	8	130		
Typhus fever ..	..	..	..	5	11	15	..	15	2	3	..	3	2	2	2	..	..	..	..	1	2	1	1	18		
Enteric fever ..	31	..	..	..	..	..	..	15	2	3	..	3	2	2	2	..	..	..	..	1	2	1	1	18		
Relapsing fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Continued fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Puerperal fever ..	7	..	..	..	5	..	..	2	1	1	..	1	2	..	..	..	..	8	..	..	..	..	..	..		
Plague ..	..	..	4	4	1	5	..	3	3	..	..	2	3	2	..	..	..	..	..	2	1	..	..	..		
Other or doubtful cases	14	..	..	..	..	..	..	3	3	..	..	..	..	1	..	..	..	..	..	..	..	..	7	..		
Totals ..	310	3	64	135	39	62	7	77	32	46	8	28	42	49	14	14	..	13	30	7	19	29	42	7	10	209

The cases admitted from outside the Borough were:—Diphtheria 7, Scarlet Fever 4, and Typhoid Fever 1.—12 cases.
Total cases admitted to Hospital—221.

TABLE D.
Causes of, and Ages at Death during the Year 1907.

Causes of Death.	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.						Deaths at all ages of "Residents" belonging to Localities, whether occurring in or beyond the District.								Total Deaths whether of "Residents" or "Non-Residents" in Public Insti- tutions in the District.				
	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Central.	Marsh.	Fartown.	Deighton & Bradley.	Dalton.	Almond- bury.	Lockwood.	Lindley.	Longwood.	Infirmary.	Sanatorium.	Workhouse.
Small-pox	10	2	8	..	..	..	..	1	1	..	..	2	2	3	..	1	..	..	..
Measles	6	..	2	1	..	..	..	3	..	..	..	..	..	1	..	..	..	5	..
Scarlet Fever	18	4	14	..	..	..	..	3	2	1	1	2	1	6	1	1	..	..	..
Whooping-cough	8	..	5	3	..	..	..	1	2	3	..	1	..	1	..	..	..	5	..
Diphtheria and membranous croup ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croup	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(Typhus	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric	11	..	..	4	7	..	..	5	2	1	..	1	..	2	..	..	..	6	..
Other continued	12	..	..	..	..	5	7	2	..	2	1	1	..	1	3	1	1	..	..
Epidemic Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cholera	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Plague	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea	20	13	4	..	..	3	..	14	2	..	..	2	2	..	..	..	..	..	..
Enteritis	14	6	3	..	..	4	1	5	1	2	..	1	1	2	3	1	..	..	..
Puerperal Fever	2	..	..	..	..	2	..	..	1	..	..	..	..	..	..	..	..	..	..
Erysipelas	6	1	..	..	..	3	..	1	..	..	..	1	1	..	..	1	6	..	1
Other septic diseases	12	1	1	1	1	6	3	6	..	1	1	..	1	1	..	1	1	..	..
Phthisis	136	..	11	8	21	100	7	41	9	11	3	11	20	20	15	6	1	..	17
Other tubercular diseases	40	6	..	7	7	8	..	12	2	..	2	5	12	4	4	1	9	..	..
Cancer, malignant diseases	96	..	1	..	..	66	29	30	9	6	2	9	13	16	4	7	14	..	12
Bronchitis	153	15	8	2	..	58	70	53	10	21	5	12	20	19	7	6	2	..	16
Pneumonia	111	25	27	6	6	33	14	31	7	12	1	12	15	14	13	6	4	..	3
Pleurisy	5	..	..	1	1	4	..	4	1	..	..	..	..	..	..	..	..	..	..
Other diseases of Respiratory organs ..	12	..	1	..	..	8	3	4	2	2	1	..	1	1	2	..	1	..	..
Alcoholism—Cirrhosis of liver	14	1	..	..	..	13	..	3	2	1	..	..	..	1	1	1	..	..	1
Veneral diseases	3	2	..	..	..	1	..	2	..	..	..	..	..	..	..	..	..	..	2
Premature Birth	38	38	..	..	..	..	..	9	4	1	..	6	8	5	3	2	1	..	..
Diseases and accidents of parturition ..	8	..	..	1	1	6	1	1	1	1	..	2	2	..	..	2	2	..	..
Heart diseases	187	1	1	8	8	117	53	45	15	19	3	9	37	27	19	13	8	..	10
Accidents	34	3	7	2	5	15	2	14	2	3	3	2	3	4	1	2	25	..	1
Suicides	14	..	..	3	3	10	1	2	2	7	2	..	..	..	..	1	..	..	..
All other causes	631	94	21	12	19	244	241	205	36	78	15	54	80	90	38	35	64	..	51
All causes	1601	212	114	77	713	434	..	495	112	174	38	134	223	222	115	88	138	16	116

TABLE E.

Infantile Mortality during the Year 1907.

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 One Year.
ALL CAUSES—																	
Certified	58	13	8	9	88	25	16	12	6	15	7	5	11	9	4	10	208
Uncertified	4				4												4
Common Infectious Diseases :																	
Small-pox																	
Chicken-pox																	
Measles														1		1	2
Scarlet Fever																	
Diphtheria : Croup																	
Whooping Cough							2							1		1	4
Diarrhoeal Diseases :																	
Diarrhoea, all forms						1	2	2	1	3		1	1		1	1	13
Enteritis, Muco-enteritis) Gastro enteritis)			1		1			1		1							3
Gastritis, Gastro-intestinal Catarrh)		1		1	2	1											3
Wasting Diseases :																	
Premature Birth	23	4	1	5	33	4			1								38
Congenital Defects	17	4	4	2	27	2		1						1			31
Injury at Birth	7				7												7
Want of Breast-milk, Starvation)																	
Atrophy, Debility, Marasmus)	5	1			6	3	5	1	1	1	1						18
Tuberculous Diseases :																	
Tuberculous Meningitis								1		1			2				4
Tuberculous Peritonitis : Tubes Mesenterica)													1			1	2
Other Tuberculous Diseases)																	
Other Causes :																	
Erysipelas						1											1
Syphilis	1				1	1											2
Rickets																	
Meningitis, not Tuberculous				1	1		1				1		1	3	1	1	9
Convulsions	4	1	1		6	2	1	1		1							11
Bronchitis		1			1	3	1			2	3		1	1		3	15
Laryngitis																	
Pneumonia						2	2	4	2	6	1	2	3	1		2	25
Suffocation, overlying						2											2
Other Causes	5	1	1		7	3	2	1	1		1	2	2	1	2		22
Totals	62	13	8	9	92	25	16	12	6	15	7	5	11	9	4	10	212
Population (Estimated to middle of 1907)	94814																
Births in the year. { legitimate 2122 illegitimate 67	Deaths in the year of { legitimate 197 illegitimate 15																
Deaths from all causes at all ages	1601																

TABLE I.

Return of Births and Deaths Registered during the thirteen weeks ended 30th March, 1907.

DISTRICTS.	Census Population, 1901.	Estimated Population at the middle of the year 1907.	Births Registered during the 13 weeks ended 30th March, 1907.	Deaths Registered during the 13 weeks ended 30th March, 1907.	AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.								Rate of Mortality per 1000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
					Under 1 year.	Over 1 and under 5 years.	Persons aged 65 years and upwards.	Smallpox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fevers		Tuberculosis, all forms.	Bronchitis, Pneumonia and Pleurisy.	Heart Diseases.	Cancer.	All other Diseases.	All Causes.		Seven Zymotics																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
													Typhoid	Other						Diarrhoea.	During the corres- ponding period year previous.		During the 13 weeks ended 30th March, 1907.	During the corres- ponding period year previous.	During the 13 weeks ended 30th March, 1907.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Huddersfield (Central)	24,010	22,835	151	114	12	11	27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Central, with Infirmary, 24.96.
 † Dalton, with Fever Hospital, 19.17.
 ‡ Lockwood, with Workhouse, 23.22.

Deaths of Children under one year per 1000 births, 99.
 " previous corresponding period 87.

Death Rate of 76 large towns, 19.0.
 " " 1.46.
 Birth Rate 28.0

TABLE II.

Return of Births and Deaths Registered during the thirteen weeks ended 29th June, 1907.

DISTRICTS.	Census Population, 1901.	Estimated Population at the middle of the year 1907.	Births registered during the 13 weeks ended 29th June, 1907	Deaths registered during the 13 weeks ended 29th June, 1907	AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.							Rate of Mortality per 1000.										
					Under 1 year.	Over 1 and under 5 years.	Persons aged 65 years and upwards.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fevers.		Tuberculosis, all forms.	Bronchitis, Pneumonia and Pleurisy.	Heart Diseases.	Cancer.	All other Diseases.	All Causes.		Seven Zymotics			
													Typhoid.	Other.						During the corre- sponding period year previous.	During the 13 weeks ended 29th June, 1907		During the corre- sponding period year previous.	During the 13 weeks ended 29th June, 1907	
Huddersfield (Central)	24,010	22,835	149	93	20	4	22	...	1	...	...	...	1	...	3	6	20	9	5	48	16.51	16.35	1.39	1.39	0.88
Marsh	8,028	7,828	64	21	4	1	4	...	1	...	...	...	1	...	...	3	2	5	...	10	16.34	10.77	1.02	1.02	0.51
Fartown	10,717	11,433	63	39	4	1	9	...	...	...	...	...	...	...	...	4	11	3	1	20	12.75	13.68	0.71	...	...
Deighton and Bradley	2,166	2,097	11	15	...	2	6	...	...	...	...	1	...	...	1	1	3	2	2	6	11.42	28.71	...	...	1.91
Dalton	8,521	8,584	57	42	5	4	13	...	2	...	...	1	...	...	1	5	7	1	2	24	12.17	19.64	1.40	1.40†	1.40†
Almondbury	14,436	14,174	67	65	6	7	22	...	2	...	...	1	...	...	7	7	9	10	4	32	13.83	18.41	0.28	0.28	0.85
Lockwood	13,365	14,173	76	48	7	5	12	...	2	...	...	3	...	...	6	8	8	3	3	23	15.43	13.59	0.57	0.57	1.410
Lindley	8,445	8,353	36	34	3	4	7	...	...	...	...	1	...	...	8	7	7	4	1	13	13.90	16.32	0.48	0.48	0.48
Longwood	5,359	5,327	24	22	2	...	5	...	...	...	...	...	...	...	3	3	...	2	2	15	16.56	16.57	0.75	...	...
Infirmary (Central)	...	...	1	30	...	3	2	...	...	...	...	...	2	...	1	2	...	2	6	19	...	...	...	...	...
Hospital (Dalton)	...	...	...	4	...	2	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Workhouse (Lockwood)	...	...	2	32	...	...	14	...	...	...	...	...	...	...	6	...	5	...	...	15	...	...	...	...	...
Do. (Deanhouse)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
and W. R. Asylums	...	...	...	8	...	3	3	...	...	...	...	...	...	...	1	...	...	...	...	7	...	...	...	...	...
Borough	95,047	94,814	550	453	51	33	119	...	7	1	1	6	4	...	4	51	74	43	30	232	...	...	...	...	...
Rate per 1000 of Esti- mated Population	...	...	23.28	19.18	...	...	...	0.30	0.04	0.04	0.04	0.25	0.17	...	0.17	2.16	3.13	1.82	1.27	9.82	16.54	19.18	0.97	0.97	0.97

* Central, with Infirmery, 21.62.
† Dalton, with Fever Hospital, 21.51.
o Lockwood, with Workhouse, 22.65.

Deaths of Children under one year per 1000 births, 93
" " previous corresponding period, 110.

Death Rate of 76 large towns, 14.9.
" " " 1.58
Birth Rate " 28.1.

TABLE III.

Return of Births and Deaths Registered during the thirteen weeks ended 28th September, 1907.

DISTRICTS.	Census Population, 1901.	Estimated Population at the middle of the year, 1907.	Births Registered during the 13 weeks ended 28th Sep., 1907	Deaths Registered during the 13 weeks ended 28th Sep., 1907	AGE MORTALITY			SEVEN ZYMOTIC DISEASES.								Rate of Mortality per 1000.								
					Under 1 year.	Over 1 and under 5 years.	Persons aged 65 years and upwards.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fevers.			Tuberculosis, all forms.	Bronchitis, Pneumonia and Pleurisy.	Heart Diseases.	Cancer.	All other Diseases.	All Causes.		Seven Zymotics	
													Typhoid.	Other.	Diarrhoea.						During the corresponding period year previous.	During the 13 weeks ended 28th Sep., 1907	During the corresponding period year previous.	During the 13 weeks ended 28th Sep., 1907
Huddersfield (Central)	24,010	22,835	140	65	16	5	11	..	..	1	..	..	6	5	10	9	4	29	25.29	11.42	11.84	1.41*		
Marsh	8,028	7,828	52	25	4	3	3	..	..	1	..	..	..	3	1	4	..	15	9.70	12.82	2.01	1.02		
Fartown	10,717	11,433	56	28	2	1	11	..	..	..	..	..	..	..	2	5	2	19	12.30	9.82	2.18	..		
Deighton and Bradley	2,166	2,097	8	10	..	1	1	..	..	..	..	..	..	2	..	..	..	8	13.33	19.14	..	..		
Dalton	8,521	8,584	48	20	4	4	3	..	..	..	..	..	..	2	6	1	1	8	14.98	9.35	2.81	0.93†		
Almondbury	14,436	14,174	82	40	4	1	16	..	..	..	..	..	1	10	5	7	3	14	18.63	11.33	4.23	0.28		
Lockwood	13,365	14,173	87	38	2	1	11	..	1	..	..	..	..	5	5	5	2	20	16.00	10.76	3.14	0.280		
Lindley	8,445	8,363	40	20	..	2	5	..	..	..	..	..	..	6	1	5	..	8	10.06	9.60	0.48	..		
Longwood	5,359	5,327	30	12	..	2	4	..	..	..	..	..	..	2	2	3	1	4	16.56	9.04	0.75	..		
Infirmary (Central)	..	..	..	16	2	2	2	..	..	..	..	..	..	4	1	2	..	9	..	..	..	..		
Hospital (Dalton)	..	..	..	3	..	2	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	
Workhouse(Lockwood)	..	..	2	18	..	..	4	..	..	..	..	..	1	..	4	3	1	8	..	..	..	..	..	
Do. (Deanhouse) and W R. Asylums ..	..	..	..	4	..	..	1	..	..	..	..	..	..	1	..	..	..	3	..	..	..	..	..	
Borough	95,047	94,814	545	299	34	22	72	..	1	2	3	4	..	8	41	37	44	14	145	..	..	..	..	
Rate per 1000 of Estimated Population ..	..	..	23.07	12.66	..	..	..	..	0.04	0.08	0.13	0.17	..	0.34	1.73	1.57	1.86	0.59	6.14	18.62	12.66	4.99	0.76	

* Central, with Infirmary, 14.24.
† Dalton, with Fever Hospital, 10.75.
‡ Lockwood, with Workhouse, 15.86.

Deaths of Children under one year per 1000 births, 62.
" " previous corresponding period, 220.

Death Rate of 76 large towns, 12.2.
Death Rate (Zymotic) " 1.47
Birth Rate " 26.5.

TABLE IV.

Return of Births and Deaths Registered during the thirteen weeks ended 28th December, 1907.

DISTRICTS.	Census Population, 1901.	Estimated Population at the middle of the year, 1907	Births Registered during the 13 weeks ended 28th Dec., 1907.	Deaths Registered during the 13 weeks ended 28th Dec., 1907	AGE MORTALITY.			SEVEN ZYMOTIC DISEASES.								Rate of Mortality per 1000.								
					Under 1 year.	Over 1 and under 5 years.	Persons aged 65 years and upwards.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fevers			Tuberculosis, all forms.	Bronchitis, Pneumonia and Pleurisy.	Heart Diseases.	Cancer.	All other Diseases.	All Causes.		Seven Zymotics	
													Typhoid.	Other.	Diarrhoea.						During the corresponding period year previous.	During the 13 weeks ended 28th Dec., 1907		During the corresponding period year previous.
Huddersfield (Central)	24,010	22,835	132	71	20	6	19	..	..	..	..	2	..	..	4	6	17	1	5	36	16.39	12.48	1.92	1.05
Marsh	8,028	7,828	53	31	10	4	5	..	..	..	..	..	..	..	2	2	8	3	4	12	14.81	15.89	1.53	1.02
Fartown	10,717	11,433	60	52	6	5	12	..	..	..	..	..	..	..	..	2	9	5	2	34	12.75	18.24	1.06	...
Deighton and Bradley	2,166	2,097	9	3	..	..	1	..	..	..	..	..	..	..	..	..	2	..	..	1	19.04	5.74	..	..
Dalton	8,521	8,584	49	27	8	1	6	..	..	..	..	..	..	..	..	1	3	1	2	20	16.85	12.62	0.94	..
Almondbury	14,436	14,174	93	51	8	3	16	..	..	..	..	..	..	..	..	7	9	9	2	24	13.27	14.44	0.85	..
Lockwood	13,365	14,173	69	53	10	4	15	..	..	..	..	..	..	..	..	6	8	8	5	26	17.72	15.01	2.57	..
Lindley	8,445	8,363	42	23	3	2	6	..	..	..	..	..	..	..	..	4	5	3	1	10	16.29	11.04	1.92	..
Longwood	5,359	5,327	30	16	4	..	6	..	..	..	..	..	..	..	..	..	5	5	1	5	13.55	12.05	1.51	..
Infirmary (Central)	..	..	..	18	2	2	1	..	..	..	..	..	..	..	..	..	2	..	..	16	..	..	..	..
Hospital (Dalton)	..	..	..	2	..	..	..	..	2	..	..	..	..	..	..	3	..	3	3	..	..	..	..	..
Workhouse (Lockwood)	..	..	3	23	1	..	16	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Do. (Deanhouse) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
and W.R. Asvlms ..	..	..	..	6	..	..	2	..	..	..	..	..	..	..	..	1	..	..	..	5	..	..	..	..
Borough	95,047	94,814	540	376	72	27	105	..	2	..	2	6	..	..	6	32	69	38	25	202	..	..	..	..
Rate per 1000 of Estimated Population ..	..	..	22.86	15.92	..	..	..	..	0.08	..	0.08	0.25	..	..	0.25	1.35	2.92	1.61	1.06	8.55	17.64	15.92	1.78	0.42

Central, with Infirmary, 15.64. Deaths of Children under one year per 1000 births, 133.
 Dalton, with Fever Hospital, 13.56. " " previous corresponding period, 126.
 Lockwood, with Workhouse, 21.52. Birth Rate

TABLE V.

Return of Births and Deaths Registered during the fifty-two weeks ended 28th December, 1907.

DISTRICTS.	Census Population 1901.	Estimated population at the middle of the year 1907.	Births Registered during the 52 weeks ended 28th Dec., 1907.	Deaths Registered during the 52 weeks ended 28th Dec., 1907.	AGE MORTALITY			SEVEN ZYMOTIC DISEASES.										Rate of Mortality per 1000.						
					Under 1 year.	Over 1 and under 5 years.	Persons aged 65 years and upwards.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fevers		Diarrhoea.	Tuberculosis, all forms.	Bronchitis, Pneumonia and Pleurisy.	Heart Diseases	Cancer.	All other Diseases.	All Causes.		Seven Zymotics	
													Typhoid.	Other.							During the corres- ponding period year previous.	During the 52 weeks ended 28th Dec., 1907.	During the corres- ponding period year previous.	During the 52 weeks ended 28th Dec., 1907.
Huddersfield (Central)	24,010	22,835	572	343	68	26	79	..	1	1	..	3	2	..	13	31	68	35	19	170	18.65	15.07	4.14	0.88*
Marsh	8,028	7,828	209	112	13	11	25	..	1	..	2	2	2	..	2	11	18	15	9	50	12.51	14.36	1.40	1.15
Fartown	10,717	11,433	251	169	16	12	49	..	..	..	1	1	..	..	..	11	33	19	6	98	12.40	14.83	0.97	0.17
Deighton and Bradley	2,166	2,097	43	37	1	3	12	..	..	..	..	1	..	..	..	3	6	3	2	22	14.76	17.70	...	0.48
Dalton	8,521	8,584	206	123	22	11	33	..	2	..	..	2	1	..	2	14	24	8	7	63	14.86	14.38	1.52	0.82†
Almondbury	14,436	14,174	318	206	27	12	69	..	2	..	..	1	..	..	2	31	34	35	14	87	14.75	14.58	1.41	0.35
Lockwood	13,365	14,173	297	194	26	15	50	..	3	..	..	6	..	..	..	22	32	27	12	92	15.86	13.73	1.86	0.64‡
Lindley	8,445	8,363	167	107	13	10	31	..	..	..	..	1	..	..	..	19	20	17	4	46	13.42	12.84	0.72	0.12
Longwood	5,359	5,327	112	77	11	2	23	..	1	..	..	1	..	..	..	7	11	13	6	38	16.56	14.50	0.75	0.38
Infirmary (Central)	...	...	2	92	7	8	6	..	..	5	..	..	6	..	..	8	6	7	7	64	...	...	...	...
Hospital (Dalton)	...	...	...	16	...	4	...	..	..	..	5	..	..	..	..	...	...	...	...	...	...	...	...	...
Workhouse (Lockwood)	...	...	12	100	2	...	47	..	..	..	..	..	..	..	1	16	17	8	10	48	...	...	...	...
Do. (Deanhouse)	...	...	...	...	...	...	...	..	..	..	..	..	..	..	..	3	...	...	..	22	..	..	..	..
and W. R. Asvlums ..	...	...	...	25	..	..	10	..	..	..	..	..	..	..	..	...	...	...	..	22	..	..	..	..
Borough	95,047	94,814	2,189	1,601	212	114	434	..	10	6	8	18	11	..	20	176	269	187	96	800	...	...	...	...
Rate per 1000 of Esti- mated Population ...	...	...	23.17	16.94	...	...	...	...	0.11	0.06	0.08	0.19	0.12	..	0.21	1.86	2.85	1.98	1.02	8.47	17.33	16.94	2.15	0.77

* Central, with Infirmery, 19.11.

† Dalton, with Fever Hospital, 16.25

‡ Lockwood, with Workhouse, 20.81.

Deaths of Children under one year per 1000 births, 97.
previous corresponding period 135.Death Rate of 76 large towns, 15.4
Death Rate (Zymotic) " 1.54
Birth Rate " 27.0

TABLE VI.

Death Rate per 1,000 per annum for 1907 and twenty-seven previous years.

Year.	Estimated Population at the middle of the Year.	From all causes and at all ages.	Children under 1 year.	Children over 1 year and under 5 years.	In persons aged 5 years and upwards.	In persons aged 5 years and upwards.	ZYMOTIC DISEASES.							Seven Zymotic Diseases.	Violence and Accidents.	Consumption and Diseases of the Breathing organs
							Smallpox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fever.	Diarrhoea.			
1907	94,814	16.94	2.24	1.21	..	4.59	..	0.11	0.06	0.08	0.19	0.12	0.21	0.77	0.54	4.29
1906	94,851	17.33	3.29	1.94	..	4.51	..	0.65	0.07	0.14	0.34	0.10	0.86	2.15	0.48	4.11
1905	94,888	16.97	2.84	1.36	..	4.41	..	0.05	0.12	0.12	0.18	0.18	0.49	1.13	0.61	4.39
1904	94,926	17.51	3.21	1.77	..	4.29	0.01	0.79	0.10	0.15	0.26	0.07	0.52	1.91	0.63	4.31
1903	94,963	16.73	2.86	1.36	..	4.42	0.02	..	0.16	0.15	0.17	0.03	0.26	0.84	0.68	4.54
1902	95,000	17.72	3.36	1.81	..	4.24	0.01	0.60	0.11	0.16	0.48	0.05	0.20	1.61	0.58	4.54
1901	95,037	16.69	3.03	1.23	7.63	4.39	..	0.14	0.06	0.06	0.02	0.19	0.94	1.41	0.61	4.48
1900	95,074	18.49	3.32	1.89	8.20	..	..	0.62	0.20	0.02	0.18	0.24	0.50	1.74	0.57	5.26
1899	95,112	17.63	3.79	1.41	7.44	..	..	0.12	0.07	0.05	0.59	0.25	0.95	2.04	0.52	4.74
1898	95,149	17.13	3.70	1.89	7.03	..	..	0.34	0.10	0.15	0.12	0.10	0.81	1.62	0.60	4.65
1897	95,187	17.56	3.30	1.74	6.81	..	..	0.27	0.35	0.22	0.21	0.17	0.35	1.57	0.48	5.05
1896	95,224	17.69	3.63	2.25	6.90	..	..	0.28	0.20	0.27	0.57	0.13	0.34	1.79	0.50	5.51
1895	95,261	17.89	3.58	1.95	7.00	..	..	0.13	0.21	0.20	0.22	0.06	0.54	1.36	0.47	5.17
1894	95,299	16.46	3.35	1.94	5.92	..	..	0.14	0.24	0.28	0.58	0.14	0.19	1.57	0.40	4.81
1893	95,336	17.84	2.37	2.05	6.82	..	0.02	0.26	0.26	0.03	0.14	0.15	0.55	1.41	0.38	5.55
1892	95,373	18.37	3.53	2.60	6.97	..	0.01	0.71	0.19	0.07	0.30	0.06	0.19	1.55	0.48	5.76
1891	95,410	23.02	4.52	3.51	8.61	..	..	1.12	0.31	0.05	0.62	0.16	0.14	2.40	0.67	7.66
1890	94,253	18.84	3.83	2.19	7.02	..	0.01	0.04	0.07	0.05	0.42	0.25	0.39	1.23	0.48	6.58
1889	92,825	18.79	4.15	2.78	6.33	..	..	0.98	0.28	0.13	0.16	0.11	0.36	2.02	0.38	5.95
1888	91,419	18.51	3.90	2.80	6.37	..	0.02	0.36	0.29	0.15	0.41	0.13	0.19	1.55	0.65	5.40
1887	90,034	22.99	5.06	4.42	6.70	..	..	1.39	0.35	0.46	0.68	0.10	0.41	3.39	0.51	7.26
1886	88,670	19.54	4.49	2.76	6.30	..	..	0.19	0.37	0.14	0.32	0.14	0.48	1.63	0.79	6.38
1885	87,327	20.05	4.62	2.84	6.79	..	..	0.65	0.13	0.05	0.29	0.11	0.20	1.42	0.74	6.50
1884	86,004	19.54	4.84	2.55	6.34	..	..	0.18	0.08	0.05	0.70	0.14	0.63	1.77	0.57	5.65
1883	84,450	21.38	5.14	3.09	6.52	..	..	0.39	0.08	0.04	0.55	0.18	0.44	1.68	0.58	7.65
1882	83,271	22.39	5.64	3.93	6.60	..	..	0.96	0.26	0.07	0.64	0.18	0.53	2.63	0.65	6.81
1881	82,113	20.35	4.67	2.82	6.54	..	..	0.09	0.21	0.04	0.42	0.13	0.38	1.26	0.75	6.50
1880	81,780	22.04	5.20	3.79	6.66	..	0.02	0.40	0.28	0.05	0.15	0.67	0.91	2.49	0.61	6.72

TABLE VII.

DISTRICTS.	Birth-rate	Mortality per 1,000 Persons Living at all Ages.															
		Children under 1 year.	1 to 5 Years.	Adults over 65 years.	Seven Zymotic Diseases	Constitutional Diseases	Tuberculosis, all forms.	Developmental Diseases	Diseases of the Nervous System	Diseases of the Circulatory System	Diseases of the Respiratory System.	Digestive System	Diseases of the Urinary System	Diseases of the Reproductive System	Violence	Ill-defined and not Specified Causes.	Total from all Causes
Central (with Infirmary)	25.22	3.29	1.49	3.73	0.88	1.54	1.71	2.50	1.80	2.06	3.87	1.32	1.41	0.26	1.01	..	19.11
Central (without Infirmary).....	25.13	2.99	1.14	3.47	0.88	1.10	1.36	2.42	1.76	1.67	3.60	0.88	0.88	0.04	0.39	..	15.07
Marsh	26.79	2.43	1.41	3.20	1.15	1.15	1.41	1.92	1.92	2.05	2.56	0.38	0.64	..	0.64	..	14.86
Fartown	22.03	1.40	1.05	4.30	0.17	1.05	0.96	2.19	2.72	2.10	3.07	0.53	1.23	..	0.88	..	14.83
Deighton and Bradley	20.57	0.48	1.43	5.74	0.48	1.91	1.43	2.39	2.39	1.91	3.35	0.48	..	..	2.39	..	17.70
Dalton (with Sanatorium)	24.08	2.57	1.75	3.86	2.69	0.93	1.64	2.45	1.87	1.05	2.80	0.47	1.52	0.12	0.23	..	16.25
Dalton (without Sanatorium).....	24.08	2.57	1.28	3.86	0.82	0.93	1.64	2.45	1.87	1.05	2.80	0.47	1.52	0.12	0.23	..	14.38
Almondbury.....	22.51	1.91	0.85	4.88	0.35	1.27	2.19	2.55	1.63	2.62	2.41	0.35	0.49	0.21	0.07	..	14.58
Lockwood (with Workhouse)	21.83	1.98	1.06	6.87	0.71	1.91	2.69	3.26	3.04	2.90	3.54	0.42	1.27	0.07	0.14	..	20.81
Lockwood (without Workhouse)	21.02	1.84	1.06	3.54	0.64	1.20	1.56	2.05	1.63	2.19	2.34	0.42	0.99	0.07	0.14	..	13.73
Lindley	20.04	1.56	1.20	3.72	0.12	0.60	2.28	1.32	1.32	2.16	2.64	0.96	0.60	...	0.12	..	12.84
Longwood	21.10	2.07	0.38	4.33	0.38	1.51	1.32	2.26	1.88	2.64	2.07	0.38	0.38	0.38	0.38	..	14.50
Total for Borough, 1907	23.17	2.24	1.21	4.59	0.77	1.33	1.86	2.48	2.09	2.23	2.97	0.69	1.03	0.14	0.54	..	16.94
Do. for 1906	24.34	3.29	1.94	4.51	2.15	1.42	1.66	2.60	1.84	1.86	2.94	0.78	0.84	0.18	0.48	..	17.33

TABLE VIII.

Cases of infectious diseases notified under the 64th clause of the Huddersfield Improvement Act, 1880, or found through official enquiries, during the four quarters of the 52 weeks of the year 1907.

A Cases of Small-pox, Scarlet Fever, Typhoid, and Typhus Fever.

	1st Quarter				2nd Quarter				3rd Quarter				4th Quarter				YEAR			
	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.	Cases heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.	Total cases reported or heard of.	Admitted to Hospital.	Total deaths in Borough.	Deaths in Hospital.
Small pox.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet fever	41	35	1	1	29	26	1	1	30	27	2	1	45	42	2	2	145	130	6	5
Typhoid fever	10	5	7	4	5	3	4	2	9	6	..	..	7	4	..	..	31	18	11	6
Typhus fever	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The above 4 diseases.	51	40	8	5	34	29	5	3	39	33	2	1	52	46	2	2	176	148	17	11

B Other Diseases.

	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter		TOTAL	
	Heard of	Hospital	Heard of	Hospital	Heard of	Hospital	Heard of	Hospital	Heard of	Hospital
Continued fever.....	..	..	..	..	..	..	..	..	..	..
Measles & Rötheln	..	..	..	..	..	..	..	..	..	..
Chicken-pox	..	..	..	..	..	..	..	..	..	..
Diphtheria	17	11	15	12	18	12	20	18	70	53
Puerperal Fever	1	..	4	..	1	..	1	..	7	..
Erysipelas	7	..	6	..	11	1	19	..	43	1
Other and doubtful	3	1	5	3	1	..	5	3	14	7

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