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Horbury Urban District Council.

ANNUAL REPORT

OF

ALFRED TENNYSON BROWN,

Medical Officer of Health,

FOR THE YEAR ENDING DEC. 31st,

1905.



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TO THE CHAIRMAN AND MEMBERS OF THE
HORBURY URBAN DISTRICT COUNCIL.

Gentlemen,

I have much pleasure in presenting to you my Annual Report on the health and sanitary condition of the district for the year ending December 31st, 1905.

The health of the district has been very satisfactory as shown by a considerable fall in the death rate as compared with that of last year. On the other hand I am sorry to say there has been again a decrease in the birth rate as compared with the previous years. I am pleased to be able to record a decrease in the Infantile Mortality, I have also to congratulate you on the entire absence of Small Pox since March 17th 1905, when the last case was notified. This I may state was the end of the epidemic which commenced on February 18th 1904.

VITAL STATISTICS.

BIRTHS.

		1st Quarter	2nd. Quarter	3rd. Quarter	4th Quarter	TOTAL
Males ...	...	15	27	20	22	84
Females	...	21	29	24	19	93
		36	56	44	41	177

DEATHS.

		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Males ...	...	19	3	12	9	43
Females	...	13	10	9	12	44
		32	13	21	21	87

POPULATION.—The population up to December 31st, 1905, I estimate at 7,106.

BIRTHS.—During the year there were registered 177 births, of these 84 were males & 93 females. With an estimated population of 7,106 we get a birth rate of 24.9 per 1000 of the population as compared with 26.0 the previous year. This is the lowest birth rate I can find during the last 12 years and is lower than that of England and Wales, which is 27.2 per 1000 of the population.

ILLEGITIMACY.—There have been 6 Illegitimate births viz 4 Males and 2 Females as compared with 7 the previous year.

STILLBIRTHS.—There have been 13 Stillbirths reported to me during the year, the same number as last year.

DEATHS.—The deaths registered during the year numbered 87 or 38 less than last year, when 125 were registered, of these deaths 43 were males and 44 Females. With 87 deaths registered, we get a death rate of 12.2 per 1000 of the inhabitants, as compared with 17.5 last year and 15.4, 14.8, 13.9, 14.2 and 12.6 the previous years. This is lower than the death rate of England and Wales, which is 15.2 per 1000 of the inhabitants.

Of these deaths 3 were registered at over 80 years and 12 over 70 years of age.

There has been 3 deaths registered in a public Institution outside the district which is not included in my estimate of deaths.

Three inquests have been held by the Coroner during the year, One of these was a case of suicide, she having drowned herself while of unsound mind. The other two deaths were the results of accidents.

INFANTILE MORTALITY.—The deaths registered under 5 years were 5 as compared with 18 last year and 10, 15, and 17 the preceding years. The deaths registered under 1 year were 24 or 14 less than the previous year, when 38 were registered and 32, 25, and 28 the three preceding years. This shows a considerable improvement on the previous years, but is still high and I hope to be able in the future to record a still further decrease.

I have endeavoured as far as possible to investigate the causes in this district of the high Infantile mortality, and have found the chief cause is ignorance in feeding, that is to say the tendency of mothers to neglect their duty of nursing their offspring by breast milk and in substituting artificial foods. Another cause is carelessness in nursing, causing unnecessary exposure of children, followed by chest complaints.

The Infantile Mortality for England and Wales under 1 year is 128 per 1000 births, while that of this district is 135 per 1000 of the births.

For particulars of deaths under 1 year I refer you to Table 5.

ZYMOTIC DISEASES (Table 3).—During the year there have been notified 97 infectious diseases as compared with 98 last year

SMALL POX.—During the year 19 cases of Small Pox have been notified. As in previous years all the cases on being notified were at once removed to the Addington Hospital, with the exception of 2 cases, they having been treated at their own homes, having refused to be removed to the Hospital, and having proper means of isolation at home. A trained nurse was engaged in the nursing of these 2 cases. All the cases treated at the Hospital made a good recovery, but one of the cases treated at home proved fatal. This case had not been vaccinated since childhood, and was 32 years of age. All the infected houses were visited by the Sanitary Inspector and myself, and thoroughly disinfected. All the contact cases were re-vaccinated and kept under observation for 14 days. For further particulars of the 17 cases treated in Hospital I refer you to Table (a).

This epidemic, in my opinion, would have been more severe had not the district been well protected by vaccination and re-vaccination.

In connection with infectious diseases I am pleased to say we are now well equipped with two Hospitals at Addington, we have also purchased an up to date Ambulance Van for infectious diseases, but one thing still remains to be done, and that is the purchase of a Steam Disinfector, as great difficulty has been experienced in the proper disinfection of bedding and clothing. I hope however, at no distant date, this will be rectified.

SCARLET FEVER.—During the year 46 cases of Scarlet Fever have been notified, which is an increase of 13 cases on last year, when 33 cases were notified. Although an increase on last year, there has been no epidemic in any part of the township, the cases having been spread over the district, and in some instances 3 cases have been notified from one house. None of the Schools have had to be closed on account of Scarlet Fever. The number of cases in my opinion, might have been reduced had the first case been recognised and reported. All the cases were of a mild type (Scarlatina Simplex), with the exception of one, treated at home, which proved fatal. As in previous years, all the houses were visited and enquiries made as to the probable origin of these cases, and the rooms and bedding disinfected with Sulphur Dioxide.

All the cases notified were removed to the Addington Hospital, with the exception of those who preferred to be treated at home, and had sufficient means of isolation.

MEASLES.—This is not a notifiable disease in this district, but no cases have come under my observation, and no deaths have been notified as due to Measles or its complications.

WHOOPIING COUGH.—Like Measles, this is not a notifiable disease, but a few cases have come under my observation, and 3 deaths have been registered as due to Whooping Cough and its complications.

TYPHOID FEVER.—There have been notified during the present year 6 cases of Typhoid Fever, or 3 less than last year, when 9 were notified. These cases occurred on the older property of the township, and on inspection, although no defect in the drainage was found, the sanitary condition of the middens was found to be far from satisfactory, the floors being below the level of the surrounding yard, and standing in water and liquid excreta to the depth of several inches. In one case it was found that one privy served 5 houses. The back yards were also found to be dirty, and in some cases the pig styes were offensive, there being no proper drainage to them.

Notice has been given to the property owners in each case, and these are now being remedied.

No source of origin could be traced on enquiry to the milk supply or the drinking water.

One case proved fatal.

DIPHTHERIA AND MEMBRANOUS CROUP.—Four cases of Diphtheria and three of Membranous Croup have been notified during the year. One of the cases of Diphtheria proved fatal. On inspection nothing was found defective in the drainage, and there was no source of origin from the milk supply, but as regards the back yards the same conditions existed as in the cases of Typhoid Fever.

DIARRHŒA.—Very few cases were observed during the year, and only one death was certified as due to this complaint.

PHTHISIS.—Phthisis or Consumption has been registered as the cause of 6 deaths, as compared with 5 last year, and 9, and 8 the two previous years. I notice that the deaths in each of these cases have been in people who have dwelt in the older property of Horbury, where the houses are badly ventilated, and in most cases are damp, and the hygienic surroundings are not of the best. In future I should recommend that as far as possible these houses in which deaths have occurred be thoroughly disinfected and the family advised of the infectious nature of the disease.

BACTERIOLOGICAL DIAGNOSIS OF DISEASE.—I again take this opportunity of expressing my thanks to the Bacteriological Department of the West Riding Council for the facility they have afforded the medical men of this district in clearing up any doubtful diagnosis in the case of infectious disease. I only regret this opportunity has not been more fully utilised.

The following specimens have been sent during the year to the

County Hall and reported on.

Enteric Fever (Widal reaction)	4
Sputum (for Tubucle Bacilli)	2
Diphtheria	3
	<hr/>
Total	9

SANITARY DEPARTMENT.—For full details as to the work done in this department, I refer you to the Sanitary Inspector's Report. The nuisances dealt with have again been numerous, although not so many as last year.

PIG STYES.—Several have been reported and dealt with as not complying with your Bye Laws. Some of them were only 30 feet from the dwelling house, and not 60 feet according to the Bye Laws, and were not properly drained.

PRIVY MIDDENS.—Several Privy Middens have been reported and dealt with in connection with the older property in the township. In most of the cases there has been insufficient privy accomodation for the number of houses, and the middens have been faulty in construction.

BACK YARDS.—As in previous years I again call your attention to the state of some of the back yards in the township.

I am, gentlemen,

Your obedient servant,

ALF. TENNYSON BROWN.

EXTRACT FROM SMALL POX REGISTER.

Number	Name.	Age	Admitted to Hospital.	Discharged from Hospital.	If Fatal date of Death.	Type of Disease.	No. of Vaccination Cigarettes.	Approximate Area in Sq. inches.	Approximate Age at Vaccination	Unvaccinated	Date of appearance of Small Pox Eruptions
1	A. B.	36 years	3-1-05	24-1-05		Modified	1	1 ³ / ₈	1 year		2-1-05
2	W. L.	16	10-1-05	24-1-05		Modified	4	1 ¹ / ₄	1		9-1-05
3	W. C.	46	14-1-05	8-2-05		Confluent	2	1 ¹ / ₄	1		13-1-05
4	W. S.	27	15-1-05	4-2-05		Modified	2	1 ¹ / ₄	1		14-1-05
5	G. G.	16	21-1-05	6-2-05		Modified	4	1 ¹ / ₄	1		20-1-05
6	E. T. B.	29	25-1-05	9-2-05		Modified	4	1 ¹ / ₂	1		24-1-05
7	F. M.	8	27-1-05	17-2-05		Modified	4	1 ¹ / ₂	1		25-1-05
8	L. D.	23	23-1-05	6-2-05		Modified	3	1 ¹ / ₂	1	never vaccinated.	22-1-05
9	A. N.	45	26-1-05	7-3-05		Confluent	3	1 ¹ / ₂	1		25-1-05
10	F. B.	35	30-1-05	18-2-05		Modified	2	1 ¹ / ₂	1?		25-1-05
11	H. L.	33	27-1-05	11-2-05		Modified	2	1 ¹ / ₂	1		30-1-05
12	G. F.	9	29-1-05	17-2-05		Modified	4	1 ¹ / ₄	1		27-1-05
13	A. T.	24	28-1-05	4-2-05		Suspected	3	1 ¹ / ₄	1	never vaccinated	27-1-05
14	J. W. M.	9	30-1-05	18-2-05		Modified	4	1 ¹ / ₂	9		28-1-05
15	A. H.	33	21-2-05	3-4-05		Confluent	2	1 ¹ / ₂	1		30-1-05
16	J. W. A.	43	24-2-05	8-4-05		Confluent	4	1 ¹ / ₂	1		20-2-05
17	A. S.	27	17-3-05	31-3-05		Modified	3	1 ¹ / ₂	1		24-2-05
											17-3-05

Mrs. S. and daughter treated at home.

TABLE I.
Vital Statistics of Whole District during 1905 and Previous Years.

Year	Population estimated to Middle of each Year	Births			Total Deaths Registered 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	At all ages		Number	Rate*			Number	Rate	
				Number	Rate per 1,000 Births registered							Number	Rate
x	2	3	4	5	6	7	8	9	10	11	12	13
1895	5,961	206	31.6	33	160	134	22.5					
1896	6,030	164	29.2	28	171	88	14.6					
1897	6,101	177	29.0	23	130	85	14.9					
1898	6,172	195	31.6	45	231	132	22.2					
1899	6,244	175	28.0	30	171	93	15.4					
1900	6,751	191	28.2	32	162	95	14.8					
1901	6,810	193	28.1	25	130	95	13.9					
1902	6,897	184	29.8	28	152	97	14.2					
1903	6,958	176	25.2	26	147	88	12.6					
1904	7,016	183	26.0	38	207	125	17.5					
Averages for years 1895-1904	6,494	181	28.6	30	136	103	16.2					
1905	7,106	177	24.9	24	135	87	12.2		3		99	12.6

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

Note—The deaths to be included in Column 7 of this table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-residents" is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The "Public institutions" to be taken into account for the purposes of these tables are those into which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses and lunatic asylums.

Area of District in acres	6,810
(exclusive of area covered by water)	1,468
Total population at all ages	1,468
Number of inhabited houses	4.58
Average number of persons per house	

At Census of 1901.

TABLE III.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1905.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.					
	At all Ages.	At Ages—Years.				
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards
Small Pox ..	19		3	4	11	1
Diphtheria ..	4	2	1		1	
Membranous Croup ..	3	1	1			
Erysipelas ..	19		2	1	15	1
Scarlet Fever ..	46	23	17	3	3	
Enteric Fever ..	6		1	4		1
Puerperal Fever ..						
Totals ..	97	26	25	12	30	3

TABLE IV.
CLASS OF, AND AGES AT, DEATH DURING 1905.

CAUSES OF DEATH.	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES						
	All Ages	Under 1	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards
Small-pox	1	0	0	0	0	1	0
Scarlet Fever ..	1		1				
Whooping-cough ..	3	1	2				
Diphtheria and membranous croup ..	1			1			
Enteric Fever ..	1				1		
Diarrhœa	1	1					
Enteritis	3	1	2				
Phthisis	6				2	4	
Cancer, malignant disease ..	3					1	2
Bronchitis	9	1	2	1		4	1
Pneumonia	8	2	1			2	3
Pleurisy							
Premature Birth ..	3	3					
Heart diseases ..	10				1	3	6
Accidents	1					1	
Suicides	1					1	
All other causes ..	35	15	1	1	1	11	6
All causes	87	24	9	3	5	28	18

INFANTILE MORTALITY DURING THE YEAR 1905.

Deaths from stated causes in Weeks and Months under One Year of Age.

CAUSES OF DEATH.	Total under										Total deaths under One Year.
	Under 1 week.	1-2 weeks.	2-3 weeks.	3-4 weeks.	1 month.	1-2 months.	2-3 months.	5-6 months.	10-11 months.	11-12 months.	
Whooping Cough ..										1	1
Diarrhoea, all forms ..											1
Gastritis, Gastrointestinal Catarrh ..							1				1
Premature Birth ..	3				3						3
Want of Breast-milk											1
Bronchitis ..				1	1						1
Pneumonia ..										1	2
Other Causes ..	2	5	1	2	10	2		1			14
	5	5	1	3	14	2	1	1	2	2	24

ANNUAL REPORT

OF THE

INSPECTOR OF NUISANCES.

TO THE CHAIRMAN AND MEMBERS OF THE
HORBURY URBAN DISTRICT COUNCIL.

Gentlemen,

I have pleasure in submitting to you my report on the work done in this department during the year ending December 31st, 1905. The following is a list of the Nuisances dealt with.

	No. of Houses.	Abated
Defective Drainage	4	4
Eaves Spout	13	13
Without Sink	9	9
Defective Ash Pits	36	36
Privy Accomodation	27	27
Insanitary state of Urinal	1	1
Throwing house refuse into Lupset Beck	1	1
	91	91

No. of Legal Notices served 9.

No. of Buildings erected and completed ;—

26 Dwelling Houses
4 Wooden Buildings
3 Wash-houses
1 Shop
2 Stables
3 Additions
33 W. C s.
15 Privy Middens

1 New Street, which is in course of construction. 1900 Lin. Yds. of Drainage has been passed, all of which was constructed with Cement Joints.

97 Houses have been stoved with Sulphur Dioxide and Formalin, and all contact cases kept under observation and disinfected.

EXCREMENT REMOVAL AND SCAVENGING.

This work has been efficiently carried out by your own staff of men, who also undertake the cleaning out of all private gullies.

I am pleased to note that Water Closets and Dry Ash Pits or Bins are being adopted in almost every case instead of the old-fashioned Privy Midden.

The Middens are emptied about every 5 weeks, and Ash Bins weekly. We have now over 100 Dry Ash Bins.

The number of Canal Boats inspected whilst passing through this district was 35, all of which were in passable condition, no illness of any kind being found on board.

The whole of the 11 Slaughter Houses and 24 Dairies, Cow Sheds, and Milkshops have been inspected at intervals, all of which are fairly satisfactory and whitewashed as required. New Regulations are now being drawn up by a Sub Committee of the Council.

I am, gentlemen,

Your obedient servant,

ARTHUR E. RADCLIFFE, A.M.I.M.E.,

Inspector of Nuisances.

TO THE CHAIRMAN AND MEMBERS OF THE
HORBURY URBAN DISTRICT COUNCIL.

FACTORY AND WORKSHOPS ACT, 1902.

Gentlemen,

Under the Act the whole of the workshops have to be periodically visited. This is a list of the number of trades employing more than two persons.

Number of trades coming under the above Act.

					Persons employed.
5 Milliners and Dressmakers	...	...	...	...	24
1 Boot and Shoe Maker	...	...	...	...	4
4 Joiners	...	...	...	...	14
2 Painters	...	...	...	...	10
3 Blacksmiths	...	...	...	...	11
2 Wheelwrights	...	...	...	...	5
3 Tailors	...	...	...	...	8
1 Botanical Brewer	...	...	...	...	4
6 Rag Merchants	...	...	...	...	61
2 Bat Makers	...	...	...	...	4
1 Clogger	...	...	...	...	2
1 Tinner	...	...	...	...	2
1 Plumber	...	...	...	...	3
					152

All these workshops comply with the Act in regard to cubic space. There were no cases of overcrowding, and all are in satisfactory condition.

Number of Bake-houses 5. Persons employed 8.

All these are in a very clean state, and well within the requirements of the Act.

FACTORIES.—These are 10 in all, and the requirements in regards to means of escape in case of fire are fairly satisfactory.

Paper Mills	...	...	...	1
Cloth Manufacturers	...	...	...	3
Worsted Spinners	...	...	...	3
Mungo Manufacturers	...	...	...	2
Athletic Goods Manufacturers	...	...	...	1

We again call attention to the unsatisfactory means of exit in case of fire at the Co-operative Hall.

We have the honour to remain,

Your obedient servants,

A. T. BROWN, M.B.,

Medical Officer of Health.

ARTHUR E. RADCLIFFE, A.M.I.M.E.,

Surveyor and Inspector of Nuisances.

