[Report 1894] / Medical Officer of Health, Bolton R.D.C.

Contributors

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BOLTON

RURAL DISTRICT COUNCIL.

ANNUAL REPORT.

BY

FAMES BARR, L.R.C.P., L.R.C.S., D.P.H.,

Medical Officer of Health.

1894.

Bolton :

THE DAILY CHRONICLE STEAM-PRINTING WORKS, KNOWSLEY STREET, 1895.



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Medical Officer's Report.

Estimated Population to middle of 1894, 34,884. Area of District in Acres, 25,026.

276, DEANE ROAD, BOLTON, JANUARY 28th, 1895.

To the Bolton Rural District Council.

GENTLEMEN,

I beg to submit my Annual Report to you upon the health of your district, and also a Record of the Sanitary work done during the year of 1894.

Births.—During the year 1068 births were registered in the district, 538 were those of males, and 530 those of females, being at the rate of 30.6 per 1000 persons living per annum. The birth rate for 1893 was 34.5.

Deaths.—The number of Deaths from all causes and at all ages, was 441, of which 212 were males, and 229 females. This mortality gives a death rate of 12.6 per 1000 per annum, upon an estimated population of 34.884. The rates for 1893 and 1892 being 17.5 and 15.22 per 1000 respectively.

Infant Mortality.—The deaths of children under the age of five years numbered 169, including those of 126 infants under the age of one year, and represents 38.3 per cent of total deaths from all causes. In 1893 269 children died under the age of five years, including 178 infants under the age of one year.

Illegitimacy.—The number of children born out of wedlock during the year was 22, or two per cent. of total births.

Zymotic Diseases.—The total number of deaths from this class of disease was 32, and were caused by Small Pox, Scarlet Fever, Diphtheria, Croup, Enteric Fever, Erysipelas, Whooping Cough, and Diarrhœa, giving a zymotic death rate of 0.9 per 1000 of the population per annum. Form 3 shows the death rate, also zymotic death rate in each township for the past 5 years.

Small Pox.—A case of Small Pox was taken to Hospital on the first day of January, from a house No. 1, Taylor-street, Great Lever, this being the second patient from the same house, the first being removed to Hospital on the 18th December previous, and was daughter to the woman admitted to Hospital on January 1st. The mother was not protected by vaccination, and died from Malignant Small Pox four days after admission to Hospital. The disease was distinctly traced to a house in the Borough of Bolton, where the patients had visited, and where Small Pox existed.

I feel confident if no Hospital had been erected for this class of disease, there would have been a serious epidemic of Small Pox in the township of Great Lever.

Scarlet Fever.—The total number of cases notified was 160, five of which died, Bradshaw and Longworth being the only townships which escaped this scourge; the largest number of cases occurring during the summer months. The Public Schools at Rumworth and Tonge were closed for six weeks on account of the prevalence of this disease.

Eighty-five of these cases were removed to your Hospital at Rumworth. Particulars as to numbers removed from each township will be found in Table "B."

Measles.—Only five cases of Measles came under my notice during the year, and no deaths were attributable to this disease. This compares very favourably with 1893, when nine deaths were registered from Measles, and a large number of children were sick from this cause.

Diphtheria.—The number of cases reported was 5, one of which ended fatally. In two cases at Tonge there was defective drainage, but no cause could be found for the others.

Diarrhœa.—Five deaths occurred from this cause, and were all in young children under 12 months old. Last year the number of deaths from this cause was 40, showing a very great improvement for the present year.

Enteric Fever.—The number of cases notified was 47, and in 9 persons proved fatal.

The cause for a large amount of this complaint appears to be a mystery. In every case the home was visited, the drainage examined, and the milk and water supply inquired into, but no satisfactory cause found. One point perhaps deserves notice, and that is in 23 cases the patients lived in new houses, and were the first tenants; possibly the nature of the ground-air may have some predisposing cause.

The present midden system in populous townships is very objectionable, and if more water or waste-water closets were used, I am convinced they would conduce very much to the public health, by taking away at once a large amount of objectionable matter, which now lies very near their doors.

Whooping Cough was prevalent during the month of March in Tonge, Great Lever, Edgworth, and Over Hulton, and caused 5 deaths. Parents are very lax in the isolation of children suffering from this disease, and I have frequently found them being taken a drive on omnibus or tramcar, under the impression that fresh air was a remedy, but alas, often causes pneumonia or other chest complaints, ending in death.

Diseases of Chest.—The total number of deaths from these causes was 145, being 26 less than the mortality from these diseases during 1893, and include 95 from Bronchitis, Pleurisy, and Pneumonia, 22 from Heart Disease, and 28 from Pulmonary Phthisis. The number of deaths from Phthisis compared with other years appears to be almost stationary.

Years1894	1893	1892	1891	1890
No. of Deaths 28	27	34	23	45

It is most important that all milk, before being used, should be boiled, otherwise there is a great danger of persons contracting Phthisis from using the milk from tuberculous cows. Notification of Infectious Diseases.—The following table shows the number of cases reported by medical men practising in the Rural District, and the number of deaths resulting:—

		Total					
QUARTERS.	Small Pox.	Scarlet Fever.	Diph- theria.	Enteric Fever.	Puer- peral Fever.	Ery- sipelas.	Number of Infectious Cases.
First Quarter	1	29	2	16	2	4	54
Second Quarter	0	59	1	10	I	3	74
Third Quarter	0	48	0	10	0	2	60
Fourth Quarter	0	24	2	13	0	5	44
For Year	1	160	5	49	3	14	232
Deaths	1	5	I	9	2	1	19

The total number of cases reported being 80 less than for 1893.

The Infectious Hospital.—The number of patients removed and treated in Hospital during the year was 87, an increase of 7 compared with 1893. Table below gives particulars as to disease admitted, as well as ages and number of deaths:—

ACE VEADS	CAU		SMAL	LPOX.	SCA1	ER.	FEVER.		
AGE—YEARS.	Patients Admitted.	Deaths.	Patients Admitted.	Deaths.	Patients Admitted.	Deaths.	Patients Admitted,	Deaths	
Over 2 and under 5	30	0	-	_	30	_	-	1	
,, 5 ,, 10	38	I	-	-	38	I	-	-	
,, 10 ,, 15	15	0	-	-	15	-	-	-	
,, 15 ,, 30	2	0	-	-	2	-	-	-	
,, 30 ,, 50	2	Ĩ	I	1	0	-	1	-	
Total	87	2	I	I	85	I	I		

The average stay of patients at the Hospital was—for Scarlet Fever 47 days, and Enteric Fever 56 days. The Hospital is now much appreciated by the public in all parts of the district, and very little opposition is shown to the removal of patients.

Disinfection.—62 houses have been disinfected after the recovery or removal of Infectious Disease, and a large quantity of bedding, wearing apparel, carpets, &c., have been disinfected with the steam disinfector at the Hospital.

Visits.—During the year I have made 315 visits on account of Nuisances and Infectious Disease, including periodical visits to all parts of the district. During each visit the water supply from wells have been particularly attended to, 23 samples were taken, and roughly analysed by me; 35 houses have been supplied with Corporation water in lieu of that from wells.

A great Sanitary improvement has been made by the construction of Sewerage Works at Belmont, which were opened in January last, the sewage being treated with Alumina Ferric, and afterwards filtered through land. The effluent being very satisfactory.

The township of Edgworth is in great need of sewers being made, the present drains (most of them rubble) are most unsatisfactory, and likely to cause much disease. At the present time there are many cases of Diphtheria in the township, and in my opinion are caused through the defective drainage. The townships of Harwood and Bradshaw are also in great want of a sewerage scheme.

Prosecutions.—Three prosecutions before the Magistrates took place during the year, one to provide sufficient closet accommodation at Dean Mills, Halliwell. An order was made, and the work has since been completed. The other two were for exposing meat for sale, the same being unfit for human food, and fines of 5 and 10 pounds were inflicted. I gave evidence in all three cases.

Dairies and Cowsheds.—The number of Dairies, Cowsheds, and Milkshops on the register is 379, 190 for the Northern District, and 189 for the Southern District. Most of the farms have been visited by me during the year, and are all in a very fair condition.

The Removal of Refuse.—The usual system of contract has been followed during the year for the emptying of ashpits in Great Lever, Darcy Lever, Tonge, Breightmet, Middle Hulton, Over Hulton, Deane, Heaton, Lostock, and Smithills. In the remaining townships the tenant is responsible for the removal of ashpit refuse.

HOUSES BUILT, SEWERS LAID, AND STREETS PAVED IN THE DISTRICT DURING THE YEAR.

Township.	No. of Houses erected 1894.		Length of Streets Paved Linl. Yards.			
			12 Yards.	6 Yards.		
Breightmet	0	287	0	0		
Heaton	0	1450	0	0		
Middle Hulton	17	42	0	45		
Over Hulton	2	80	48	283		
Darcy Lever	13	190	0	0		
Great Lever	79	189	620	790		
Halliwell(now called Smithills	66	857	436	252		
Rumworth (now called Deane	1 6 2	107	0	0		
Tonge	123	1729	0	0		
	302	5423	1104	1370		

Appended are the two reports from the Sanitary Inspectors.

I am, Gentlemen,

Your obedient Servant,

JAMES BARR,

Medical Officer of Health.

LOCAL GOVERNMENT RETURN.

Table of Deaths during the Year 1894, in the Bolton Rural District, classified according to Diseases, Ages, and Localities.

-		No.	910	20	014	*** 00		NP 1-	- m	1010	0-1			01.0		-	***		
Age.	1,00,17 64	14	-			48	14	27.2	13	58	84	1	-	04.0	14	00 00	88	1200	272
OI A	Mar Diseases.	89	12	10.4	6.0	CIT-	00	139	wn	21	88	-	41-	CA	223	co ro	23	200	138
ears of	.səimini 8	11	н	-	-		04			439	на						-	-	55.00
Five Y	E Heart Disease.	00				-	1	4	-	1	11			-	-	1	4	4	-M
	Bronchitis, Pneu	6410	пп	0101	-	014	11	41-	62.41	SIN	8 I		04		614		0003	6363	2188
Children under	☐ Phthisis.	11	C4	64		7	04	64	63	ro.	-4		-		-	11	00	-	-2
lren	5 Agne.	1					11					11	11						
Chille	Heren.	11	11	11		11	11							-		11		111	-
	Diarrhoes and Dysentery.						11		-	-	6.9			11	11	11		64	ro :
Mortality from subjoined causes, distinguishing Deaths of	Whooping Congh.	-									60			11				-	2
ng D	었 Measles.			11			11					11	11		11				
rishi	Erysipelas.													11		11		-	1
ting	Cholera.			!!			11							1				11	
s, dis	Duerperal.										н		11	11		-	11		64
TUBES	Relapsing.												11	11					
ed ca	Continued,																		
join	Enteric or			-	-	11				-						-	63	64	6
1 sub	.sudqyT a	1											11						
fron	Membranous denotring.	-			1	11			-			11		11	11	11	Cd .		10
lity	Diphtheria.					11							11	-	11	11	11		-
Lorte	Scarlatina.	9				11			-										000
-	- Smallpox.					11					-	11	11	11			11		
		-						10		10	10.5	10.4	10.	10	10				
		Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5	Under 5 5 upwds	Under 5 5 upwds	Under 5 5 upwds	Under 5	Under 5 5 upwds	Under 5 5 upwds	Under 5 5 upwds	Under 5 5 upwds	Under 5
-	.sbrawqu bna 53	- ID	н	4	0	00	9	10	ro.	0	13	0	9	0	00	63	4	12	88
MUSCH	SS and under 65.	1	4	4	63	6.9	r)	=	w	12	19	0	64	64	64	64	23	9	113
Age	15 and under 25.	5 00	0	-	0	64	. 63	4	63	10	63	0	м	-	63	п	9	6.0	88
COIN	5 and under 15.	0	0	-	-	-	-	63	0	0	4	-	-	C/I	-	64	9	-	18
ity fo	.dandunder 5.	60	0	-	64	6.3	0	10	6.0	4	-	0	-	-	60	-	0)	N	\$
Mortality from all causes	Under 1 year.	5	63	9	0	-	0	O	7	11	88	0	63	-	11	63	8	9	128
M	At all ages.	2	. 80	17	9	17	14	4	83	4	8	-	14	7	88	11	22	83	4
			-	1		-	-	-	-					1	me	ont	1	sillis	
	NAMES OF LOCALITIES adopted for the purpose of these Statistics.	Edgworth	Bradshaw	Breightmet	risle	rood	on	Middle Hulton	Over Hulton	Darcy Lever	Great Lever	Longworth	ock	lton	Rumworth (now called Deane	Sharples (now called Belmont	20	Halliwell (now called Smithills	Totals
	ado of t	Edgra	Brad	Breig	Entwisle	Harwood	Heaton	Midd	Over	Darc	Grea	Long	Lostock	Quariton	Rum	Shar	Tonge	Halli	

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(B)

of the Medical Officer of Health, during the year 1894, in the Ages, and Lecalities. Sickness, coming to the knowledge of, classified according to Diseases. New Cases of Infectious Sic Bolton Rural District, Table of Population, Births, and of

No. of such Cases removed from their Homes in the several Localities for Treatment in Isolation Hospita; 12 Erysipelas, 10 Cholera. Puerperal. o Relapsing. FEVERS. dontinued. Enteric or Typhoid. -Typhus. Membranous Group, Diphtheria. 00 08 583 -104 00.00 100 22 Scarlatina. CO Smallpox. each Locality, coming to the edical Officer of Health. 13 12 ca Cd 00 -Erysipelas. = mi -10 Cholera. CO 00 .Laraquan q co Relapsing, FRVERS. 04 COL d Continued. New Cases of Sickness in knowledge of theMe Lyphoid. 4 6 -100 4 T -14 寸 47 Enterie or Typhus. Membranous Group, 04 00 H Diphtheria. 01 Cd 40 00 CO H00 00 010 00 100 27 100 0000 00 OH 00 99 00 82 01 85 Smallpox. -Aged under 5 or over 5. Under 5 Under 5 5 upwds Under 5 5 upwds Inder 5 Under 5 Under 5 5 upwds Under 5 5 upwds Inder 5 upwds (e.) Under 5 upwd Under 40 Registered Births. 32 2 55 177 8 65 8 358 路 1068 8 Population at all Ages 6132 1861 2359 34884 1802 1998 254 9839 Estimated to middle of 1833. 55 230 1765 31665 1981 647 1720 1599 1533 Census, 1891. 287 168 2713 NAMES OF LOCALITIES adopted for the purpose of these Statistics. (0.) TOTALS. Middle Hulton Darcy Lever Over Hulton Great Lever Breightme Longworth Edgworth Bradshaw Harwood Quariton Smithills Belmont Heaton Lostock Deane Tonge

State here whether "Notification of Infectious Disease" is compulsory in the District. Yes. Since when? 4th of December, 1889. Besides the above-mentioned Eclation Hospital used by the sick of the District. Mark (H) the Locality in which such Hospital is situated; and if not within the District, state where it is situated. Rural Sanitary Anthority's Infectious Hospital, situated at Rumworth.

FIVE YEARS' MORTALITY STATISTICS.

FORM III.

	ANNUAL RATE PER 1000 LIVING.											
20.7	189	0.	189	1.	189)2.	189	3.	1894			
TOWNSHIP.	Death Rate.	Zymotic Death Rate.	Death Rate.	Zymotic Death Rate.	Death Rate.	Zymotic Death Rate.	Death Rate.	Zymotic Death Rate.	Death Rate.	Zymotic Death Rate.		
Edgworth	12.2	1'4	17'1	0	12'3	1.07	14.4	1.07	11.3	1.0		
Bradshaw	13.2	0	15'4	0	12.1	0	9.2	0	12.2	. 0		
Breightmet	16.6	2.2	12.2	0	18.3	2.3	11.3	I.I	9.4	0.2		
Entwisle	25.6	0	10'4	0	6.8	0	24.2	0	20.6	6.8		
Harwood	12.8	0.4	23'0	1.3	14'4	0	20'2	2.2	10.6	0		
Heaton	13.6	2.4	16:2	1.3	II.I	1.3	11.0	0.6	8'4	0		
Middle Hulton	20'4	0.8	20.3	0.70	16.1	0	20'4	1.4	13.7	0		
Over Hulton	18.9	0	15:0	2.6	16:2	0.6	28.0	1.3	12.4	1.1		
Darcy Lever	17.8	2.3	25.7	1:5	18.6	1,01	17.9	1.4	20.6	0.2		
Great Lever	22.2	2.8	18.1	0.9	16.5	1.6	18.1	4'1	13.0	1.3		
Longworth	20'1	0	9.8	0	19'4	0	0	0	9.2	0		
Lostock	12.5	1.I	14.6	- I.I	13.3	2.2	17.7	I.I	14'9	0		
Quarlton	13.2	0	15.9	0	15.8	0	19.8	0	27.5	3'9		
Deane	20.2	1.3	15.1	1.7	18.0	1.7	15.2	3.9	11.8	0.4		
Belmont	11.0	1.3	9.4	1.3	5.2	0	22.1	1.3	13.8	2.2		
Tonge	28.3	2'1'	17.2	2.0	13.3	0.8	18.8	2.8	12.2	1.0		
Smithills	25.6	0.0	10.6	1.4	14'2	1.4	13.9	2.08	10.4	1.9		

TO THE BOLTON RURAL DISTRICT COUNCIL.

REPORT OF INSPECTOR OF NUISANCES FOR THE YEAR ENDED 31st DECEMBER, 1894.

SOUTHERN DISTRICT.

Totat Number of Nuisances Abated during the Year	141
Defective Drains, &c., repaired	76
Privies and Ashpits, repaired or rebuilt	49
Houses and Premises in such a state as to be a nuisance	18
Animals and Fowls so kept as to be a nuisance	16
Accumulations of Refuse removed	2
Houses Overcrowded	2
Water Pollution	4
Chimneys sending forth Black Smoke in such quantity, &c	6
Total Number of Nuisances Abated during the year	173
Visits Made and Disinfectants Supplied in Cases of Infectious	
Disease Reported by Medical Officer	61
Houses Disinfected after Infectious Disease	17
Dairies, Cowsheds, and Milkshops visited	116
Number of Smoke Observations	41
Samples of Water taken for Analysis	3
Number of Privies, Ashpits, and Cesspools emptied by Contractors after Notification by Inspector	053
Number of Houses supplied with Corporation Water in lieu of un- satisfactory supply, as Reported by Inspector	20
Carcases of Animals destroyed as unfit for Human Food	3
Owners convicted for exposing same for Sale	2

Yours obediently,

THOMAS SKIDMORE, Inspector.

31st January, 1895.

BOLTON RURAL DISTRICT COUNCIL.

REPORT OF INSPECTOR OF NUISANCES FOR THE YEAR ENDED 31st DECEMBER, 1894.

NORTHERN DISTRICT.

Total Number of Nuisances Reported during Year	130
Defective Sinkpipes, Drains, &c., repaired	47
Privies, Ashpits, and Water Closets repaired or rebuilt	31
Houses or Premises damp or in such a state as to be a nuisance	21
Animals or Fowls so kept as to be a nuisance	3
Accumulations of Refuse removed	26
Houses Overcrowded	1
Water Pollution	1
Total Number of Nuisances abated during the year	130
Visits Made and Disinfectants Supplied in Cases of Infectious Diseases Reported by Medical Officer	
Number of Houses Disinfected after Cases of Infectious Disease	45
Smoke Observations	65
Number of Dairies and Cowsheds Inspected	87
Number of Privies, Ashpits, or Cesspools emptied by Contractors after Notification by Inspector of Nuisances	
Number of Houses supplied with Water in lieu of existing supply, reported as unsatisfactory	
Number of Carcases of Animals destroyed as unfit for Food	2

James Taylor, Inspector of Nuisances,

24, Mawdsley Street, Bolton, 31st December, 1894. THE DAILY CHRONICLE OFFICE, KNOWSLEY STREET, BOLTON.



