[Report 1908] / Medical Officer of Health, Bury (Union) R.D.C.

Contributors

Bury (Greater Manchester, England). Rural District Council.

Publication/Creation

1908

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ANNUAL REPORT

OF THE

Medical Officer of Health

1908.

BURY:

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MEDICAL OFFICER'S REPORT

For 1908.

Population at Census, 1901 -	-	-	8,088
ESTIMATED POPULATION TO MIDDLE OF	1908	-	8,480
AREA OF DISTRICT IN STATUTE ACRE	s	-	12,014

To the Rural District Council of Bury,

MR. CHAIRMAN AND GENTLEMEN,

I beg to submit my Report to you on the Health and Sanitary condition of the District for the year 1908.

The District is a wide and scattered one, being composed of all that part of the Bury Union which is not Urban. It lies at an altitude varying from 125 feet at Molyneux, to 1500 feet above sea level, at Whittle Pike, Shuttleworth.

The Rainfall in the County Borough of Bury, which the Rural District surrounds, for 1908 was 39.5 inches. The greatest rainfall occurred in the month of July, and was 5.02 inches, and the least in October which was 1.83 inches. Rain fell on 192 days during the year.

The District embraces both agricultural and industrial communities. The chief centres of population are in parts of each of the various localities especially Ainsworth, Bamford, Outwood, and Unsworth, also Birtle, and Walmersley to a certain extent. The inhabitants in these centres of population are mainly employed in textile industries. Surrounding these centres agriculture, in the shape of Milk Farms, is carried on to a considerable extent. The milk produced, in addition to supplying the inhabitants, is carried for sale to the various Urban Districts in the neighbourhood.

Birth Rate.—I am glad to be able to report a considerable increase, though even now it is very low. This year 199 births were registered and consisted of 118 males and 81 females, giving a Birth Rate of 23.4 per 1000 living compared with 18.3 per 1000 in 1907.

The average rate for five years 1904 to 1908 is 20·1 per 1000 persons living.

Two illegitimate births were registered during the year, which is at the rate of just over 1 per cent. of the total births.

Crude Death Rate.—The total number of deaths registered in the district during the year was 105, of which 56 were males and 49 females, giving a crude death rate of 12·3 per 1000 persons living. This is 1·6 per 1000 lower than in 1907.

Corrected Death Rate.—In addition to these 105 deaths there were 9 other deaths of persons usually resident in the district, which occurred in public institutions in other districts, making altogether 114 deaths of residents and giving a Corrected Death Rate of 13.4 per 1000 per annum. This is a decrease compared with last year when it was 14.9. The average death rate for five years 1904 to 1908 is 13.5 per 1000. The following table shows the particulars from the various localities.

The last state of		Popu	lation.	Bi	rths			Dea	ths.	00
Locality.	Area in Statute Acres.	Census 1901.	Estimated Middle, 1908.	Males	Females	Illegitimate	Birth rate per 1,000	Males	Females	Death rate per 1,000
Ainsworth	1460	1718	1802	25	14	0	21.5	11	17	15.5
Birtle-cum-Bamford	2410	1447	1485	19	17	0	24.1	16	9	16.8
Outwood	1938	1514	1662	23	21	0	26.4	16	13	17.4
Unsworth	8067	2698	2790	87	22	2	21.1	16	10	9.8
Walmersley-cum- Shuttleworth	3139	711	741	14	7	0	28.8	2	4	8.09
Total	12014	8088	8480	118	81	2	23.4	61	58	18.4

Infantile Mortality.—I have again to report a considerable decrease in the Infantile Mortality. During the year 16 deaths of children under one year old have been registered, which is equal to a rate of 80·4 deaths per 1000 births registered, compared with 101·9 per 1000 in 1907, and an average rate for the five years 1904 to 1908 of 114·5 per 1000.

There were three deaths among illegitimate children.

These 16 deaths occurred at the following ages; 8 under 1 month; 2 between 1 and 3 months; 1 between 3 and 6 months; 3 between 6 and 9 months; and 2 between 9 and 12 months. The causes of the deaths were 1 from Whooping Cough, 4 from Diarrhoea and Enteritis, 1 from Erysipelas, 3 from Premature Birth, 3 from Marasmus, 1 from Bronchitis, and 3 from other causes.

Mortality under Five Years of age.—28 out of the total deaths have occurred among children under 5 years of age, which is at the rate of 24.5 per cent. of the total deaths, as compared with 20.6 per cent. in 1907.

Mortality over Sixty=five years of age.—There were 37 deaths of persons over 65 years of age, giving a rate of 32.4 per cent. of the total deaths compared with 29 3 per cent. in 1907.

Zymotic Death Rate.—The principal zymotic diseases caused 9 deaths during the year, viz.: 2 from Diphtheria, 1 from Whooping Cough, 1 from Enteric Fever, 2 from Erysipelas, and 4 from Diarrhoea, giving a rate of 1.06 per 1000 persons living, or 7.8 per cent. of the total deaths.

Phthisis and other Tubercular Diseases have caused 8 deaths, giving a rate of .94 per 1000, or 7.1 per cent. of the total deaths. This is the same as last year.

Cancer and other Malignant Diseases have been the cause of 5 deaths, which is .58 per 1000 persons living or 4.3 per cent. of the total deaths.

Diseases of the Respiratory Organs have caused 19 deaths during the year, being at the rate of 2.2 per 1000 persons living, or 16.6 per cent. of the total deaths.

Notifications of Infectious Diseases.—22 cases have been notified during the year as compared with 19 cases in 1907. Up to nearly the end of November, only 13 cases had been notified, and then Scarlatina, which had been prevalent in neighbouring districts for some time, broke out in Ainsworth and Unsworth causing 8 notifications before the end of the year. Up to the end of November it had only been necessary to remove one case to Hospital, viz: from Ainsworth, in March, but, of the 8 mentioned above, I considered it advisable to remove 7 to the Infectious Hospital. Of these 4 were from Ainsworth and 3 from Unsworth. I am of opinion that by this means what threatened to be a somewhat serious epidemic, was prevented.

The following Table shows the distribution in the various localities:

Locality.	Diphtheria	Scarlatina	Erysipelas.	Enteric Fever.	Smallpox.	Total.
Ainsworth	1	5	2		1	9
Birtle-cum-Bamford	_	_	_	_	_	_
Outwood	_	1		2		3
Unsworth	2	6		2	_	10
Walmersley-cum- Shuttleworth	_		112	_	_	_
Total	3	12	2	4	1	22

No epidemics necessitating the closing of any of the Elementary Schools have occurred during the year.

Water Supply.—Most of the district is supplied by the Bury and District Joint Water Board, but Ainsworth receives some of its supply from Bolton, and Bamford from the Heywood and

Middleton Water Board. Most of the farms and the outlying parts of the district have private supplies. On the whole the service has been satisfactory.

Drainage.—Improved means for the treatment of sewage have been, or will be, provided in various parts of the district. Tanks and cinder beds have been laid down at Hollins and Blackford Brow, works are in progress both at Bamford and at Parrs, and a Local Government Board Inquiry has been held with reference to a scheme for the treatment of the Ainsworth Sewage, in conjunction with Breightmet, part of the Borough of Bolton. The reports of the Inspectors of the Mersey and Irwell Committee on the effluent from the sewage works at Prestolee have not been as satisfactory as usual. This is owing to the beds being overworked on account of the considerable increase in the populations in that district. An extension of the drainage scheme there in the near future will be necessary. The provision of a sewage scheme for Ringley is also under consideration.

The Farms have been inspected in the usual routine manner and have been found in a fairly satisfactory condition as regards the sanitary arrangements and cleanliness of the shippons. Improvements have been carried out at 12 farms during the year, and in 8 other instances alterations are in contemplation.

There are now 99 on the Register of Dairymen, Cowkeepers, and Milksellers, 8 have been added during the year.

Elementary Schools.—There are six elementary schools in the district, viz: at Ainsworth, Buchurst, Hollins, Unsworth, Ringley, and Turn. These have been inspected during the year and found in a satisfactory condition on the whole. It would, however, conduce to the welfare of the children if the privy middens which are in use in most of them were done away with, and more sanitary arrangements provided.

Factory and Workshop Act.—The usual inspections have been carried out, and both factories and workshops have been found in good sanitary condition. There are 35 factories and 22 workshops in the district. They are situated in the various localities as follows:

Locality.	Ainsworth	Birtle-cum- Bamford	Outwood	Unsworth	Walmersley -cum-Shut- tleworth	Total
Factories	 11	5	5	9	5	35
Workshops .	 6	5	1	9	1	22
Total .	 17	10	6	18	6	57

The factories consist of 3 spinning mills, 6 cotton weaving sheds, 1 woollen mill, 2 fulling mills, 5 dyeworks, 2 calico print works, 6 bleach works, 2 wheelwright shops, 2 joiners shops, 1 terra-cotta and brick works, 1 engineer's shop, 3 quarries, and 1 firelighter's shop.

The workshops number 22 and consist of 3 dressmakers, 1 barber, 10 clog and shoemakers, 1 undertaker, 2 painters, 2 breweries, 1 tripe-dresser, 1 bakehouse, and 1 plumber.

Three complaints have been received from His Majesty's Inspector of Factories. One of these referred to the means of escape in case of fire, the other two to Sanitary conditions, They have all received attention.

There are no outworkers in the district.

Appended to this Report are the Annual Report of the Inspector of Nuisances and the various Tables required by the Local Government Board and the Home Office.

I beg to remain, Mr. Chairman and Gentlemen,

Your obedient servant,

JAMES W. COOK, M.B.,

March 3rd, 1909.

Medical Officer of Health.

SANITARY INSPECTOR'S REPORT.

UNION OFFICES, PARSONS LANE,

BURY.

To the Rural District Council of Bury.

MR. CHAIRMAN AND GENTLEMEN,

I beg to lay before you my Annual Report for the year ending December 31st, 1908.

Table of Nuisances, &c., from Jan. 1st to Dec. 31st, 1908.	Ainsworth	Birtle-cum- Bamford	Outwood	Unsworth	Walmersley cum- Shuttleworth	TOTAL
No. of Journeys made to each District	55	46	50	65	21	237
,, Visits and Inspections made in each District	200	227	201	240	80	948
,, Notices sent (Legal or Preliminary)	25	10	22	23	4	84
" Notices sent to Schools re Infectious Cases	9		2	10		21
" Notifications received and reported upon to		In the				
the M.O.H	9		3	10	-	22
,, Rooms disinfected &cleansed (schools included)	13	_	6	15	_	34
" Factories & Workshops Inspected (Act 1901)	17	10	6	18	6	57
,, Dairies and Cowsheds inspected	27	39	17	35	19	137
,, Dairymen, Cowkeepers& Purvyrs. of milk reg	22	30	9	23	15	99
,, ,, ,, this year ,,	1	2	1	2	2	8
,, Houses provided with New Spouting and re- flagged yards ,, New Closets and Ashpits,	6	9	6	4	4	29
Workshops included ,, Sink Drains trapped, disconnected, or ven-	7	8	16	4	1	36
tilated	7	11	16	5	-	39
" Slop Waste Pipes disconnected or repaired	6	6	16	15	-	48
pits_included	16	7	25	18	7	73
" Nuisances abated	42	41	79	46	12	220
" ,, receiving owners or occupiers' attention	11	9	9	13	5	47
Total No. of Houses, &c. visited and insanitary particulars recorded	53	50	88	59	17	267

Dairies and Cowsheds.

These have been periodically inspected and am able to report that many improvements have been made to the water supply, light ventilation, and air space; and am again contemplating more improvements to eight others this coming year. Eight Cowkeepers and Dairymen have been registered under the Dairies and Milkshops Orders of 1885 and the Contagious Diseases (Animals) Acts 1875 and 1886 this year, bringing the total for the whole district to ninety nine.

House Dwellings.

Large quantities of disinfectants have been distributed and in infectious cases special care has been taken to ensure its proper use both in schools and dwellings. Old back to back dwellings have been demolished and new modern property erected. Samples of well water have been analysed and steps taken to improve the existing supply. The Sewering of Bamford and Unsworth is in the hands of the Contractors and am expecting a very considerable number of drains of dwellings coupled up before long.

Factories and Workshops.

The complaints made by H. M. Inspector of Factories during the year have received attention from the Owners and have been remedied, on the whole they are well ventilated, and kept in a much improved sanitary condition. Smoke observations have been taken and have been free from complaints from the ratepayers this year.

Yours obediently,

HENRY HURST,

Inspector.

TABLE I.

RURAL DISTRICT. BURY

Vital Statistics of whole District during 1908 and previous Years.

		-												
Deaths at all Ages Nett	Rate *	13				11-4	12.7	15:1	13.0	18.2	18-4	14-9	or 6 years 1907 13-7	18-4
	Number	12				98	103	124	108	110	113	126	Average for 6 years 1901-1907 1111 13-7	114
residents	in Public Institu- tions beyond the	District					00	70	10	9	œ	œ	4-4	6
Non- residents residents registered		District				00	4	7	4	-			01	
Deaths	rict rict	6					7	7	4	-			61	
ages	Rate *	80	14	14-6	14.2	11.8	13	15.8	12.3	12.6	12.5	18.9	18.8	12.8
At all ages	Number	-	209	120	117	96	104	126	102	105	105	118	110	105
inder 1 year of age At all ages	Rate per 1,000 births	9	125	116-1	186-9	143-7	154-2	129-2	157.2	8.96	136.6	101-9	130-2	80-4
Under I year of age	Number	40	10	53	500	222	27	238	25	16	28	16	55	16
sq	Rate *	4	24.2	23.9	50.6	18.8	21.4	21.7	19-2	19-9	21	18.3	20-5	23-4
Births	Number	60	980	198	168	158	175	178	159	166	176	157	170	197
	Population estimated to Middle of each Year	09	14844	8283	8130	8103	8183	8200	8259	8820	8880	8450	8278	8480
	Year	1	Old Districts.	New Districts.	1900	1901	1902	1903	1904	1905	1906	1907	Averages for years 1899-1907	1908

* Rates 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 11.

By the term "Non-residents" is meant persons brought into the district on account of illness, and dying there; and by the term "Residents" is meant persons do have been taken out of the district on account of illness, and have died elsewhere.

Total population at all ages, Number of inhabited houses, Average number of persons per house, Area of District in acres (exclusive of area covered by Water) 12014

8088 1771 4·6

INSTITUTIONS.

Other Institutions, the deaths in which have been distributed among the several localities in the District,			No.
II Institutions outside the District receiving sick and infirm persons from the District.	Union Workhouse, Bury. The Dispensary Hospital Bury.	Bury and District Joint Hospital Board's Infectious Diseases Hospital Bury.	Is the Union Workhouse within the District?
Institutions within the District receiving sick and infirm persons from outside the District.	Bury and District Joint Hospital Board's Smallpox Hospital Ainsworth		Is the Union Worl

TABLE II.

BURY RURAL DISTRICT.

Vital Statistics of separate Localities in 1908 and previous years.

Names of Localities.	THE	WHOLI	DIST:	RIOT.	AIN	SWORT ow AIN	H & EL	TON H.	Heap, As Now B	hworth,	3 & Birtle- -c-BAM	c-Bmfd FORD.		Iow OU?			-c-PIL8V		SWORT.	H.			6 SLEY-ct	
Year	Population esti- mated to middle of each Year	Births registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each Year	Births registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each Year	Births registered	Deaths at all ages	Deaths under I year	Population esti- mated to middle of each Year	Births registered	Deaths at all ages	Deaths under 1 year	Population esti- mated to middle of each Year	Births registered	Deaths at all ages	Deaths under I year	Population esti- mated to middle of each Year	Births registered	Deaths at all ages	Deaths under I year
ld Districts.	а	ь	c	d	а	ь	c	d	a	ь	c	ď	a	ь	c	d	a	b	c	d	a	b	c	d
	14844	860	209	45	1955	46	89	13	1946	81	14	0	8917	105	67	14					929	15	8	3
lew Districts 1899	0000	198	120	23	1846	46	31	10	1527	22	19	1	1417	49	29	7	2615	68	32	5	878	18	9	- (
1900	8130	168	117	23	1800	85	17	6	1500	29	16	2	1490	89	38	6	2640	56	35	7	700	9	11	5
1901	8103	153	96	22	1716	20	25	7	1449	28	15	1	1520	88	24	6	2708	51	21	5	715	16	11	(
1902	8133	175	106	27	1725	49	27	9	1456	88	21	5	1528	32	28	6	2718	52	30	4	711	9	5	8
1908	8200	178	124	23	1744	42	21	6	1467	87	28	2	1541	87	80	6	2784	49	89	8	714	18	6	1
1904	8259	159	108	25	1766	27	18	7	1478	84	26	6	1562	32	21	3	2741	56	87	8	717	10	11	
1905	8320	166	110	16	1770	88	28	2	1476	22	22	8	1587	48	22	4	2768	47	32	4	724	16	11	
1906	8380	176	113	23	1791	32	32	5	1482	84	20	5	1601	41	11	4	2779	57	42	9	727	12	6	(
1907	8450	157	126	16	1796	34	26	4	1490	28	29	8	1641	47	26	5	2786	87	33	8	787	16	12	1
Averages of Years 1899 to 1907	8250	170	113	22	1772	86	24	6	1480	29	21	8	1542	39	27	5	2719	52	83	6	786	18	9	1
1908	8480	199	114	16	1802	89	28	4	1485	36	25	2	1662	44	29	4	2790	59	26	5	741	21	6	1

Notes—(a) The separate localities adopted for this table should be areas of which the populations are obtainable from the census returns, such as wards, parishes or groups of parishes, or registration sub-districts.

(b) Deaths of residents occurring beyond the district are to be included in sub-columns c of the table, and those of non-residents registered in the district excluded.

(c) Deaths of residents occurring in public institutions whether within or without District are to be allotted to the respective localities, according to addresses of the deceased.

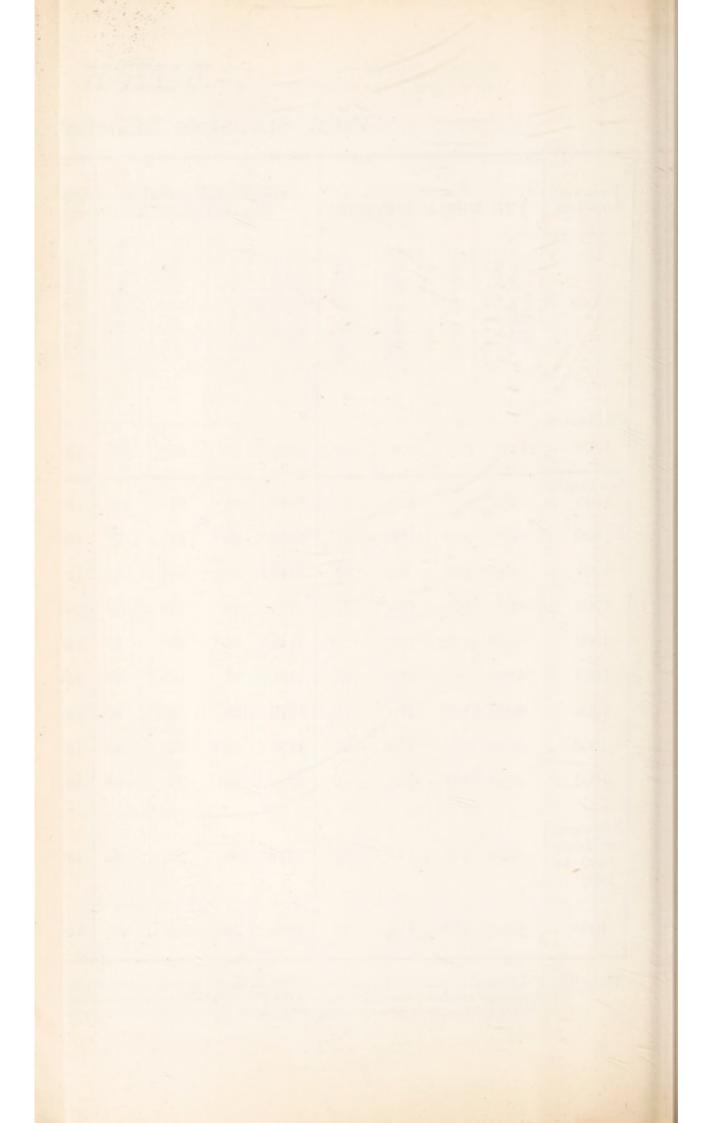


TABLE III.

BURY RURAL DISTRICT.

Cases of Infectious Diseases notified during the year 1908

			Cases	notified in	whole Dist	trict		Т	otal cases 1	notified in e	ach Locali	ty	No Hos	of ca pital fi	ses re- rom ea	moved ch Lo	l to cality	
Notifiable Disease				At ages ;	-Years			1	2	3	4	5	1	2	3	4	5	6
Atomatic Disease	At all ages	Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards	Ainsworth.	Birtle-cum Bamford.	O utwood.	Unsworth.	Walmersley eum- Shuttlewrth	, N	Birtle-cum Bamford	Outwood	Unsworth	Walmersley cum: Shuttlewth,	TOTAL
Small-pox																		
Cholera																		
Diphtheria, including Membranous croup	. 3		1	1		1		1			2							
Erysipelas	2	1			1			2										
Scarlet fever	12		8	8	1			5		1	6		5			8		8
Typhus fever																		
Enteric fever	4		1		2	1				2	2							
Relapsing fever																		
Continued fever																		
Puerperal fever	1					1		1										+
Plague				*														
Totals	22	1	5	9	4	3		9		8	10		1 5			8		8

The localities adopted for this table should be the same as those in Tables II and IV.

† These age columns for notification should be filled up in all cases where the Medical Officer of Health, by inquiry or otherwise, has obtained the necessary information.

Isolation Hospital: Joint Hospital, Deardens, Bury. Total available beds 84.

" Smallpox Hospital, Broomfield, Ainsworth, " 35. No. of Diseases that can be concurrently treated: All the notigiable Infectious Diseases.

TABLE IV.

RURAL DISTRICT. BURY

Causes of, and Ages at, Death during Year 1908.

			occurring in or oeyong the District		-					the Distric		the District
Causes of Death	All	Under 1	1 and under 5	5 and under 15	5 and 15 and 25 and 65 and under 15 under 25 under 65 upward	25 and under 65	1 20 1	drowsnia	-mso-eltrid brolmsd	boowin0	drowsaU	Walmersley muo Shuttlewrth
Small-pox												
Measles												
Scarlet fever												
Whooping-cough	-	-						-				
Diphtheria and mem- branous croup	-		-					1				
Croup	-	-	-		-					-		
(Typhus			-									-
Fever Enteric	-		1							1		
Other continued												
Epidemic influenza	-					-		1				
Cholera								:				
Plague												
Diarrhosa	*	60				-		-		0.8	-	
Enteritis	01	-	1			-		-		-	-	
Puerperal fever		-		-		-						
Erysipelas	-	1					-	-				1
Phthisis	-		1		-	10		01	1		-	
Other tubercular disease	-					-		1				
Other septic diseases												
Cancer, malignant disease	10					10		1	-	-	04	
Bronchitis	12	-				20	00	10	09	4	-	
Pneumonia	9			1		01	69		-	01	04	-
Other diseases of Res-	-		1							1		
Alcoholism Girrhosis of liver	.00		-					1	-		-	
Premature birth	00										O4	1
Diseases and accidents of parturition	80					60			1			C4
Heart diseases	10			-	1	9	5	04	9	-	65	
Accidents	+			-		00		e1		09		
Suicides	**					00	-	C1			01	
Meningitis												
Congential Debility												
Convulsions	01		04					-			-	
Marasmus	60	89						-		-	-	
All other causes	36	80	1			t-	255	20	12	6	œ	61

The deaths of residents occurring beyond the limits of the district are to be included in this table, and deaths of non-residents occurring in the district are to be excluded.

Deaths of residents occurring in public institutions are to be allotted to the respective localities according to the addresses of the deceased as given by the Registran, and, in addition, to be classified under "Tuble Institutions."

In recording the facts under the various headings I, II, III, IV, & V, attention has been given to the notes on the Tables.

Annual Report of Medical Officer of Health

RURAL DISTRICT OF BURY.

Factories, Workshops, Laundries, Workplaces, and Homework.

INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

		Number	of
Premises.	Inspections.	Written Notices.	Prosecutions.
Factories (Including Factory Laundries.)	50	3	None.
Workshops (Including Workshop Laundries.)	30		
Workplaces			
Homeworkers' Premises	3.4		
Total	80	3	None.

DEFECTS FOUND.

						Numb	er of D	efects.	
	Particu	ilars.				Found	Reme- died.	Referred to H.M. In- spector.	ecutions
Nuisances under the	Public I	Health	Acts:	_					
Want of cleanliness					 	5	5		- 13
Want of Ventilation					 				
Overcrowding					 				
Want of drainage of floors					 				
Other nuisances					 				
		ficient			 				
Sanitary accommodations		itable o			 	2	2		
	not s	eparate	e for se	exes	 				
Offences under the Fa	actory a	nd Wo	rkshop	Acts					
Illegal occupation of unde	rground	l bakel	nouse		 				
Breach of special sanitary				kehou					
Other offences	-				 				
	-					-	-		
	Total				 	7	7		- Commen

REGISTERED WORKSHOPS.

- 3 Dressmakers
- 1 Barbers
- 10 Clog and Shoe Makers
- 1 Undertaker, &c.
- 2 Painters
- 2 Breweries
- 1 Tripe Dresser
- 1 Bakehouse
- 1 Plumbers

Total number of workshops on Register

2

OTHER MATTERS.

Matters notified to H.M. Inspectors of Factories:	Number
Failure to affix Abstract of the Factory and Workshops Act.	
Action taken in matters referred by H.M. Inspecto H.M. Inspectors as remediable under the Public Health Acts, but Reports (of action taken)	
not under the Factory Act (S. 5) (sent to H.M. Inspectors	3
Other complaints remedied during the year	
Underground Bakehouses :	
Certificates granted during the year	
In use at the end of the year	•

JAMES W. COOK, Medical Officer of Health.

March 5th, 1908.