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RADCLIFFE
DISTRICT COUNCIL.

CHAIRMAN - J. H. WILD, ESQ., J.P.

ANNUAL REPORT

ON THE

SANITARY CONDITION OF THE DISTRICT,

FOR THE YEAR 1905.

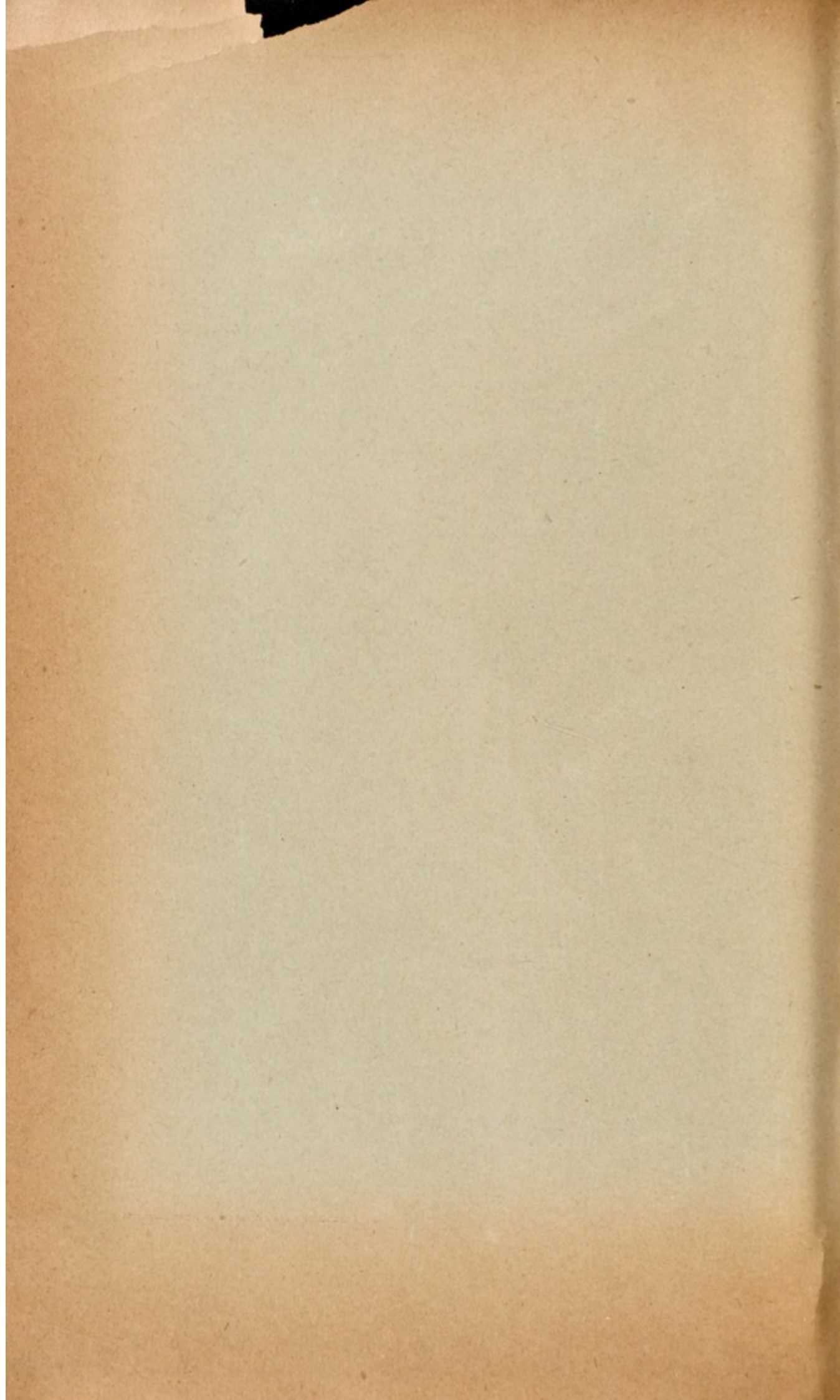
PRESENTED TO THE COUNCIL IN FEBRUARY, 1906,

BY

WILLIAM GILL, L.R.C.P., &C. (EDIN.)

Medical Officer of Health.

RADCLIFFE :
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1906.



RADCLIFFE,

FEBRUARY, 1906.

To the Chairman and Members of the
Radcliffe Urban District Council.

GENTLEMEN,

I beg to present to you my fifth Annual Report on the
Health and Sanitary Condition of the District.

The area of the District is 3,098 acres, and I have again esti-
mated the population at 25,500. In the tables appended will be
found not only full statistics of the births and deaths in the District
as a whole, but also the figures showing the births and the extent
of disease and mortality in each Ward separately.

The population is divided amongst the various Wards as
follows :—

Ward.	Population.
Black Lane	7,167
Radcliffe Hall	5,958
Radcliffe Bridge... ..	7,567
Stand Lane	4,808
Total	25,500

Statistics of Births and Deaths in each Ward :—

The Births were as follows :—

Ward.	Males.	Females.	Total	Birth rate per 1000.
Black Lane... ..	80	104	184	25.6
Radcliffe Hall	58	64	122	20.4
Radcliffe Bridge	105	83	188	24.8
Stand Lane	58	57	115	23.9
Whole District	301	308	609	23.8

Comparison of Birth rate with that of previous years :—

1905.	1904.	1903.	1902.	1901.
23.8	24.2	25.2	28.7	25.0

The gradual fall in the Birth rate is not peculiar to Radcliffe, or even to Lancashire, but is observable throughout the whole country. Various theories have been put forward to account for this phenomenon, and it is at present seriously occupying the attention not only of the scientific but also of the general public.

The Deaths registered in the District numbered 383, but to these must be added 37 occurring in public institutions outside the district of persons belonging thereto, making a total of 420, or a rate of 16.4 per thousand of the population. Excluding the outside institution deaths the rate is 15.0 per thousand. They were distributed as follows :—

Ward.	Males	Females.	Total.	Death rate per 1000.
Black Lane	47	56	103	14.3
Radcliffe Hall	43	40	83	13.9
Radcliffe Bridge	71	67	138	18.2
Stand Lane... ..	55	41	96	19.9
Whole District... ..	216	204	420	16.4

The following tabular statement gives the Death rates of the various Wards for the last four years :—

Ward.	1902.	1903.	1904.	1905.
Black Lane... ..	18.7	16.6	15.7	14.3
Radcliffe Hall	14.9	15.2	21.1	13.9
Radcliffe Bridge	18.6	20.3	19.8	18.2
Stand Lane	18.1	16.2	23.5	19.9
Whole District	17.7	17.3	19.6	16.4

GENERAL MORTALITY.—It is with great satisfaction that I point out the important fall in the Death rate this year; indeed, it is lower than in any year for which I have statistics. The decline is general as far as age is concerned, and with the exceptions of Bronchitis, Pneumonia, and Heart Diseases (for which the numbers are about the same as last year) applies to all causes of death.

INFANT MORTALITY.—The deaths of children under one year number 95, against 122 last year, 97 in 1903, and 115 in 1902.

With regard to the different Wards the following is the table :

Black Lane	16 deaths.
Radcliffe Hall	14 „
Radcliffe Bridge	42 „
Stand Lane... ..	23 „

The Infant Mortality estimated in terms of the number of deaths under one year per thousand births gives the following results for the last seven years :—

1899	1900	1901	1902	1903	1904	1905
189	198	191	157	150	197	155

It will be noticed that this year's rate is 42 per thousand lower than that of last year. Under the age of five years the deaths numbered 133, as compared with 199 in 1904, 156 in 1903, and 174 in 1902.

It will be seen that the infantile mortality is lower this year than it has been for many years (except in 1903, when it was slightly less). There is still great room for improvement. As I said last year, improper feeding is the main cause of the deaths of infants. In some parts of the country milk depots and pure milk societies are being formed, and in several of our large cities milk absolutely pure can be obtained at a fair price for infants who are deprived of breast milk. In these days of falling birth rate it is more than ever necessary that everything should be done to ensure to the newly-born the best chance of growing up to manhood and womanhood. I commend this matter to the special attention of the Council.

Appended is a list of Tables (1) shewing causes of, and ages at death, during the year 1905; (2) Vital Statistics of whole District during 1905 and previous years; (3) Vital Statistics of the separate Wards in 1905 and previous years, and (4) infantile mortality during 1905.

Cause of, and ages at, Death during 1905.

Cause 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.			
	All Ages.	Under 1 year	1 and under 5 years	5 and under 15 years	15 and under 25 years	25 and under 65 years	65 and up- wards	Black Lane Ward.	Radcliffe Hall Ward.	Radcliffe Bridge Ward.	Stand Lane Ward.
1	2	3	4	5	6	7	8	9	10	11	12
Small Pox .....	..	..	..	..	..	..	..	..	..	..	..
Measles	5	2	3	..	..	..	..	4	..	1	..
Scarlet Fever	1	..	..	1	..	..	..	..	1	..	..
Whooping Cough .....	..	..	..	..	..	..	..	..	..	..	..
Diphtheria and Membran- eous Croup .....	..	..	..	..	..	..	..	..	..	..	..
Croup	1	..	1	..	..	..	..	1	..	..	..
Typhus Fever	6	..	..	1	2	3	..	..	2	1	3
Enteric Fever	6	..	..	1	2	3	..	..	2	1	3
Other Continued Fever ..	4	..	..	..	..	3	1	2	1	..	1
Epidemic Influenza	4	..	..	..	..	3	1	2	1	..	1
Cholera .....	..	..	..	..	..	..	..	..	..	..	..
Plague .....	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea	19	11	3	..	1	1	3	3	4	7	5
Enteritis	5	3	..	1	..	1	..	..	1	4	..
Puerperal Fever	2	..	..	..	..	2	..	..	2	..	..
Erysipelas	1	1	..	..	..	..	..	..	..	..	1
Other septic diseases .....	..	..	..	..	..	..	..	..	..	..	..
Phthisis (Pulmonary Tuber- culosis)	15	..	..	..	6	9	..	5	5	2	3
Other Tubercular diseases	5	1	1	2	1	..	..	1	2	2	..
Cancer, malignant diseases	15	..	..	..	..	14	1	3	5	7	..
Bronchitis	75	13	12	2	..	33	15	16	14	28	17
Pneumonia	21	6	2	1	1	10	1	5	1	7	8
Pleurisy	2	..	..	..	..	1	1	..	..	1	1
Other diseases of Respira- tory organs	1	..	1	..	..	..	..	1	..	..	..
Alcoholism	3	..	..	..	..	1	2	1	1	1	..
Cirrhosis of Liver .....	..	..	..	..	..	..	..	..	..	..	..
Venereal diseases .....	..	..	..	..	..	..	..	..	..	..	..
Premature Birth	14	14	..	..	..	..	..	2	2	4	6
Diseases and Accidents of											
Parturition	3	..	..	..	2	1	..	1	..	2	..
Heart diseases	20	..	..	..	2	13	5	3	5	9	3
Accidents	8	..	2	2	..	3	1	1	2	3	2
Suicides	4	..	..	..	1	2	1	..	1	1	2
All other causes	190	44	13	7	5	65	56	54	34	58	44
All causes	420	95	38	17	21	162	87	103	83	138	96

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 Residents registered in Public Institutions beyond the District.	Nett Deaths at all Ages belonging to the District.	
		Number	Rate*	Under 1 year of age		At all Ages.			Number	Rate.*
				Number	Rate per 1000 Births registered.	Number	Rate.*			
1	2	3	4	5	6	7	8	9	10	11
1895	25,500	720	28.2	160	222	496	19.4		496	19.4
1896	26,000	726	27.9	143	196	486	18.6		486	18.6
1897	26,500	735	27.7	134	182	451	17.0		451	17.0
1898	26,000	729	28.0	125	171	428	16.4		428	16.4
1899	26,500	669	25.2	127	189	475	17.9		475	17.9
1900	27,000	729	27.0	145	198	493	18.2		493	18.2
1901	25,400	636	25.0	122	191	464	18.2	2	466	18.3
1902	25,400	730	28.7	115	157	427	16.8	24	451	17.7
1903	25,500	643	25.2	97	150	424	16.6	18	442	17.3
1904	25,500	619	24.2	122	197	471	18.4	31	502	19.6
Averages for years 1895-1904.	25,930	693	26.7	129	185	461	17.7		469	18.0
1905	25,500	609	23.8	95	155	383	15.0	37	420	16.4

* Rates in Columns 4, 8, and 11, calculated per 1000 of estimated population.

Area of District in acres (exclusive of area covered by water) 3,098
 Total population at all ages 25,368 } At Census of 1901.
 Number of Inhabited houses 5,445 }
 Average number of persons per house 4.6 }

Institutions outside the District receiving sick and infirm persons from the District
 Bury Union Workhouse
 Bury Infirmary
 Florence Nightingale Hospital
 Ainsworth Smallpox Hospital
 Royal Infirmary, Manchester

Vital Statistics of separate Localities in 1905 and previous years.

Names of Localities	1.—Whole District.				2.—Black Lane. Sub. District.				3.—Radcliffe Hall. Sub. District.				4 — Radcliffe Bridge. Sub. District.				5.—Stand Lane. Sub. District			
	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 1 year.	Population esti- mated to middle of each year.	Births Registered.	Deaths at all Ages.	Births at all Ages.	Population esti- mated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.
1901	25400	636	466	122	7123	207	133	33	5929	145	107	23	7538	192	129	42	4778	29	95	24
1902	25400	730	451	115	7132	233	134	30	5936	138	89	16	7547	218	141	42	4785	141	87	27
1903	25500	643	442	97	7167	197	119	24	5958	135	91	19	7567	187	154	33	4808	124	78	21
1904	25500	619	502	122	7167	184	113	24	5958	121	126	29	7567	188	150	38	4808	126	113	31
Averages of years 1901-1904.	25450	657	465	114	7147	205	124	27	5945	134	103	21	7554	196	143	38	4794	120	93	25
1905.	25500	609	420	95	7167	184	103	16	5958	122	83	14	7567	188	138	42	4808	115	96	23

INFANTILE MORTALITY DURING THE YEAR 1905.

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.
Measles .....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	2
DIARRHEAL DISEASES:																	
Diarrhoea, all forms .....	..	..	..	1	1	2	..	..	2	..	1	2	1	1	1	..	11
Enteritis (<i>not Tuberculous</i>) .....	..	..	1	..	1	1	1	..	..	..	..	..	..	..	..	..	3
Gastritis, Gastro-intestinal Catarrh ..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1
WASTING DISEASES:																	
Premature Birth.....	5	3	2	..	10	4	..	..	..	..	..	..	..	..	..	..	14
Congenital Defects	1	3	..	..	4	..	..	..	..	..	..	..	..	..	..	..	4
Want of Breast Milk .....	..	..	..	1	1	..	..	..	1	..	..	..	..	..	..	..	2
Atrophy, Debility, Marasmus	4	1	2	..	7	3	2	2	1	..	..	..	..	1	..	..	16
Tuberculous Peritonitis, Tabes Mesenterica	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1
Erysipelas.....	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1
Meningitis (<i>not Tuberculous</i>).....	2	..	..	..	2	..	..	..	..	1	1	..	..	..	..	1	5
Convulsions .....	..	..	..	2	2	2	1	..	..	..	..	..	1	..	..	..	6
Bronchitis.....	..	..	..	..	..	..	..	3	1	2	1	2	2	..	2	..	13
Pneumonia .....	..	..	..	..	..	..	..	1	1	1	..	..	1	1	..	1	6
Other Causes	3	..	1	..	4	2	1	1	..	..	2	..	..	..	..	..	10
	15	7	6	5	33	15	6	7	7	4	5	4	5	3	4	2	95

ZYMOTIC DISEASES.—The deaths from the seven principal zymotic diseases during the last four years were as follows :—

Disease.	1902.	1903.	1904.	1905.
Smallpox... ..	0 ...	0 ...	0 ...	0
Measles... ..	13 ...	14 ...	16 ...	5
Scarlet Fever	0 ...	5 ...	13 ...	1
Whooping Cough... ..	0 ...	1 ...	5 ...	0
Diphtheria and Membranous Croup	10 ...	7 ...	4 ...	0
Enteric Fever	7 ...	4 ...	6 ...	6
Diarrhœa... ..	5 ...	13 ...	31 ...	19
Total	35 ...	44 ...	75 ...	31

The zymotic death rate per thousand of the population was as follows for the last eight years :—

1898	1899	1900	1901	1902	1903	1904	1905
—	—	—	—	—	—	—	—
2·5	2·1	2·8	2·7	1·4	1·7	2·9	1·2

It is gratifying to observe that this year's rate is lower than any during the eight years mentioned, and is a good deal less than half of the mortality in 1904.

Cases of Infectious Disease notified during the Year 1905.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							TOTAL CASES NOTIFIED IN EACH LOCALITY.				NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.			
	AT ALL AGES.	At Ages—Years.						WARDS.				WARDS.			
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and up-wards.	Black Lane.	Radcliffe Hall.	Radcliffe Bridge.	Stand Lane.	Black Lane.	Radcliffe Hall.	Radcliffe Bridge.	Stand Lane.
Diphtheria.....	11	..	3	3	1	4	..	8	..	1	2	4	..	..	..
Erysipelas.....	35	1	2	3	1	25	3	10	5	14	6	..	..	..	..
Scarlet Fever.....	69	2	19	41	4	3	..	22	7	24	16	1	2	3	1
Enteric Fever.....	18	..	..	3	4	11	..	..	5	6	7	..	..	2	..
Puerperal Fever....	2	..	..	..	..	2	..	..	2	..	..	..	..	..	..
Totals.....	135	3	24	50	10	45	3	40	19	45	31	5	2	5	1

Isolation Hospitals:—Florence Nightingale Hospital.
Ainsworth Small-pox Hospital.

Table of Notification of Infectious Diseases for each month in each Ward in 1905.

Month.	Radcliffe Bridge Ward.					Radcliffe Hall Ward.					Black Lane Ward.					Stand Lane Ward.				
	Diphtheria.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Puerperal Fever.	Total.	Diphtheria.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Puerperal Fever.	Total.	Diphtheria.	Erysipelas.	Scarlet Fever.	Enteric Fever.	Puerperal Fever.	Total.		
January.....	1	14	24	6		45						3	1	8	10			40		
February.....												19	3	3	6			31		
March.....												2	5	10	16	7				
April.....												5	3	3	1	1				
May.....												7	6	1	1	1				
June.....												2	10	1	1	1				
July.....												3	3	1	1	1				
August.....												1	3	1	1	1				
September.....												0	1	1	3	1				
October.....												3	3	1	3	1				
November.....												3	3	1	3	1				
December.....												2	3	1	2	3				
Total.....	1	14	24	6		45		5	7	5	2	19	8	10	22	22				

During the year 135 cases of Infectious Diseases were notified as compared with 409 in 1904, 243 in 1903, and 182 in 1902.

SMALLPOX.—There has not been any case of this disease during the year.

SCARLET FEVER.—Sixty-nine cases were notified during the year, a great improvement on 1904, when 300 cases were reported. One death occurred. Seven patients were removed to the Florence Nightingale Hospital.

DIPHTHERIA.—Eleven cases were reported, as against 35 in 1904, 25 in 1903, and 42 in 1902. There were no deaths. Four of the cases were removed to the Florence Nightingale Hospital. Eight of the cases came from Black Lane Ward, whereas none were reported from Radcliffe Hall Ward, which had 16 last year. The deaths were in 1902 ten, 1903 seven, and 1904 four. A satisfactory improvement is thus shown.

ENTERIC FEVER.—Eighteen cases were notified, with six deaths. There were no cases in Black Lane Ward. I am glad that the Council is pressing forward the substitution of the water-carriage system for that of midden privies.

DIARRHŒA.—Nineteen deaths occurred from this complaint, as compared with 31 last year. Fourteen of these deaths were of children under five years of age.

ERYSIPELAS.—Thirty-five cases were notified, as against 47 last year. There was one death.

MEASLES.—Five deaths occurred from this cause, as against 16 in 1904, 14 in 1903, and 13 in 1902.

It will be seen that there is a great improvement this year, both in the number of cases notified and the number of deaths from zymotic diseases.

PHTHISIS caused 15 deaths, as compared with 30 last year. The rate per 1,000 is 0.58. In 1904 it was 1.17, in 1903 0.86, and 1.22 in 1902.

BRONCHITIS, PNEUMONIA AND PLEURISY gave rise to 98 deaths, or a rate of 3.84 per 1,000, against a rate of 3.88 in 1904, 3.45 in 1903, and 3.60 in 1902.

HEART DISEASES contributed 20 deaths, against 19 in 1904.

INJURIES caused eight deaths, in comparison with 10 last year.

WATER SUPPLY.—The complaints this year have not been numerous. There is still room for improvement in the quality.

The purity of the milk in the district continues to be satisfactory.

CEMETERY.—I am glad that this urgent requirement has been at length opened.

FACTORY AND WORKSHOPS ACT, 1901.—In accordance with Section 132 of this Act, I have to report that all the necessary details regarding adequate ventilation, cleanliness, overcrowding, drainage of floors, sanitary conveniences and other matters, have received attention at the hands of myself and your Sanitary Inspector at various times during the past year. The several premises subject to inspection under the Act have as a rule fairly come up to the requisite standard in all the points above-mentioned, and such visits of inspection as I have personally made have satisfied me that employers generally are endeavouring so to carry on their businesses that every requirement of the law shall be faithfully obeyed.

I append the report of Mr. Smith, Sanitary Inspector; you will see that he continues to carry out the multifarious duties devolving upon him in a most satisfactory manner.

SANITARY INSPECTOR'S ANNUAL REPORT, 1905.

To the Chairman and Members
of the Health Committee.

GENTLEMEN,

I have the honour to submit to you my sixth Annual Report of the work done in the Health Department during the year 1905, together with particulars of nuisances abated, and improvements effected thereby.

As will be seen from the following report and summary, much useful work has been done in securing the abatement of nuisances, and in removing many insanitary conditions which may be dealt with under the Public Health Act, 1875, and other Acts and the Council's Bye-laws. The provisions of Section 92 of the Public Health Act, 1875, requiring Local Authorities to make systematic inspection of their district, have received attention, and a house to house visitation has been made in a number of streets in different parts of the district.

Premises were also visited upon complaint being made, and when sickness occurred therein; the total number of inspections being 1,463.

Two hundred and fifty-one preliminary notices in respect of nuisances discovered in the course of inspection were served upon owners or occupiers, to abate nuisances or carry out sanitary improvements. The greater portion of the notices received prompt attention, but in a number of instances nuisances affecting 189 houses were reported to the Committee, and statutory notices ordered to be served. In most cases the nuisances have been abated or promises given that the work will be proceeded with without delay.

Frequent re-inspections of premises were made to ensure the proper carrying out of the work, and a great many appointments in all parts of the District have been kept with owners, occupiers, &c., respecting complaints of nuisances or sanitary works to be carried out.

The work of Street Scavenging is receiving careful attention, but with the addition of new streets, and the increase in the number of paved back streets, which is urgently needed, the work required to be executed is becoming too much for the present staff.

There are 1,206 trapped and 1,252 untrapped street gullies regularly emptied. The total number for the year was 31,742.

Again I have to report that I have received numerous complaints of stench arising from the public sewers through the grids of the above untrapped gullies and the open manhole covers, and I am of opinion that if all the gullies were trapped, the manhole covers sealed, with ventilating shafts at regular intervals, together with a systematic cleansing of the decomposed sewage matter from the sewers throughout the District, this cause of complaint would be remedied.

The Workshops have been periodically visited. In several instances the attention of the occupiers was drawn to their non-compliance with the Factory and Workshops Act, 1901; the cause of these complaints being remedied forthwith.

A number of complaints have been made by the Factory Inspector; structural defects in, and type of sanitary conveniences being the chief cause of complaint. Those which have not already been remedied are having attention. The desire of all the Inspectors who have been appointed to this District recently is that wherever possible the water-carriage system should be adopted.

The Slaughter-houses have been periodically visited; these have been kept lime-washed and in a cleanly state.

The Market has been visited regularly by your Medical Officer and myself, also the contents of the greengrocers', &c., carts used for hawking in the District. Several seizures of unsound fruit and fish have taken place, the same being destroyed, but no prosecution instituted.

The Dairies, Cowsheds and Milkshops have been periodically visited. These have been duly lime-washed and kept in a cleanly state.

Fifty-three samples of milk have been taken during the year, the quality of same being satisfactory.

As shown in the tabulated statement, it will be observed that the ashpits throughout the District are scavenged regularly and systematically, as is shown by there being very few applications for the services of the scavengers. In some few instances there has been intimation that the refuse has not been removed immediately it has been taken out of the ashpits; but this can not be arranged without adding largely to the expenditure of this department.

The number of times the District has been scavenged has gradually increased from less than four times for the year 1895 to $16\frac{1}{2}$ times in 1904 and $16\frac{1}{2}$ times in 1905; or, say, once every three weeks, and in addition there are now 325 pails and ashbins scavenged weekly.

SUMMARY OF NUISANCES ABATED AND WORKS CARRIED OUT.

Number of loads of Street Sweepings removed, 2,972 loads at 18-cwt., equal to	2,314 tons.
Number of hand-cart loads supplied to foundries, for which a charge of 6d. per load is made... ..	328 loads.
Number of loads of Nightsoil removed and distributed as follows :—	
	Loads. Cwt. Tons.
To Farmers	3,105 25 3,881
To Destructor	2,458 25 3,073
To Tips... ..	2,396 25 2,995
Total loads and weight	7,959 25 9,949
Total number of Ashpits emptied	48,194
To number of houses, averaging $16\frac{1}{2}$ times per year, or once every three weeks	101,806
Gully Traps affixed	34
Brick Drains removed	86
New Tile Drains laid	209

Ventilating Shafts on Drains when reconstructed	30
Defective Drains repaired and cleaned out	171
Defective Waste Pipes repaired.....	45
Defective Down and Eaves Spouts repaired	43
New dry or amended Ashpits in lieu of defective Ashpits...	78
Privies repaired in lieu of defective Privies	43
Privies converted to Water-carriage System	163
Ashpits filled in, concreted, and made dry	35
Pails in lieu of two Cesspools and defective conveniences...	28
Houses disinfected.....	140
Complaint of steam turned into public Sewer, prosecution, Order of Court to abate, and penalty	1
Back Premises cleansed after informal notice	130
Nuisances abated and not classified	70
Smoke observations taken (three notices served)	45
Notice of blockage to 26 street Gullies have been given to the Surveyor, these have been attended to.	
Dairies and Cowsheds periodically inspected and clean	33
Slaughter-houses periodically inspected and clean	17
Offensive Trade Works periodically inspected and clean	5
Bakehouses periodically inspected and clean	26
Workshops periodically inspected and clean	118
Common Lodging-house periodically inspected and clean	1