

**[Report of the Medical Officer of Health for Friern Barnet].**

**Contributors**

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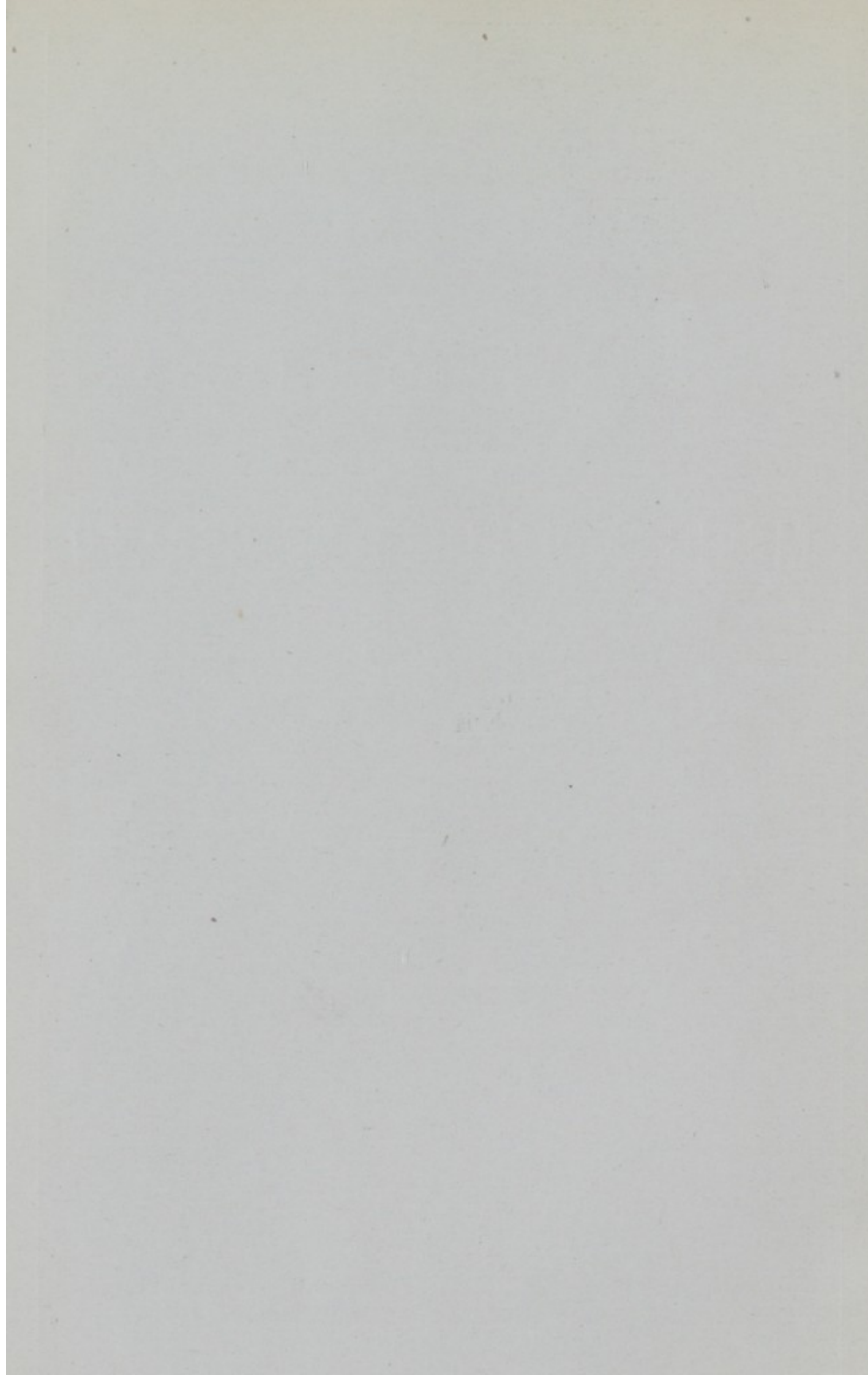
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REPORT  
OF THE  
**MEDICAL OFFICER OF HEALTH**  
OF  
FRIERN BARNET,  
FOR 1903.

.....

PRINTED BY G. J. RICHARDSON,  
Alexandra Road, Colney Hatch Lane, Friern Barnet.

—  
1904.



TO THE  
CHAIRMAN AND MEMBERS  
OF THE  
FRIERN BARNET URBAN DISTRICT COUNCIL.

---

GENTLEMEN,

I have the honour to present to you my Report for the year 1903.

For the convenience of the Local Government Board and those not well acquainted with the District, I repeat the following short description.

The District of Friern Barnet is situated in the London area, and is bounded on the north by East Barnet, on the east by Southgate, on the south by Hornsey, and on the west by Finchley.

It comprises 1,303 acres 1 rood (including 149 acres occupied by the buildings and grounds of the Colney Hatch Asylum), most of which is undulating ground, varying from 150 to 300 feet above sea level, the geological formation being London clay with here and there patches of gravel.

*The General Character of the District.*—For the purposes of representation, statistics, &c., it is divided into three Wards—North, South and Central; and, in addition, Colney Hatch Asylum—situated between the Central and South Wards—is treated in my report as a separate Ward.

The population is unevenly distributed: thus, in the North Ward a large part is pasture land, and the houses for the most part are of a higher rateable value, being detached and separated by a considerable distance from each other; and this obtains also in the West portion of the Central Ward. On the other hand, in the Eastern or Holly Park side of the Ward, the houses are in terraces and streets. The South Ward is the most thickly populated, the houses in the neighbourhood of New Southgate Station and the South-West part being of a superior character, whilst the remainder are the usual six-roomed houses, inhabited in many cases by more than one family.

The population in 1881 was 4,405; in 1891, 6,716; and in 1901, 8,816; the average number of persons per house being respectively 6.01 and 5.6, as estimated from figures supplied from the Census Office, by the Registrar General.



TABLE 1.—FOR THE WHOLE DISTRICT OF FRIERN BARNET.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		DEATHS UNDER 1 YEAR OF AGE.		DEATHS AT ALL AGES. TOTAL.		DEATHS IN PUBLIC INSTITUTIONS.	Deaths of Non-residents registered in District.	Deaths of Residents registered beyond District.	DEATHS AT ALL AGES. NETT.	
		Number.	Rate.*	Number.	Rate per 1,000 Births registered.	Number.	Rate.*				Number.	Rate.*
1893	7384	209	28.3	24	114	76	10.3	231	...	...	...	...
1894	7467	206	27.5	29	140	77	10.3	177	...	...	...	...
1895	7698	204	26.5	24	117	77	10.0	200	...	...	...	...
1896	8877	203	25.4	18	84	72	8.5	216	...	...	...	...
1897	8355	228	27.2	18	131	104	12.4	232	...	1	105	12.4
1898	8668	217	25.0	31	142	85	9.8	218	...	5	90	10.0
1899	8916	236	26.5	38	161	99	11.1	231	...	4	103	11.5
1900	9114	248	27.2	28	112.9	105	11.5	181	2	8	111	12.1
1901	8816	242	27.4	21	86.7	99	11.2	199	...	6	105	11.9
1902	9145	270	29.5	29	107.4	105	11.4	238	1	4	108	11.9
Averages for years 1893-1902	8444.0	226.3	26.8	24.6	116.6	87.3	10.6	214.4				
District ... 1903	9442											
Asylum ... 1903	2383											
	11,825	294	31.1	31	105.4	103	10.9	262	1	8	110	11.6

\* Rates calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water), 1,303.281, including 149.1 acres in Colney Hatch Asylum. The Workhouse is at Barnet (Herts).

Total population at all ages, at Census of 1901—

District, 9,145; Asylum, 2,736  
 Number of inhabited houses ...  
 Average number of persons per house ...

11,881  
 1,633  
 5.6

TABLE II.—FRIERN BARNET.

Names of Localities	Whole District (Not Separated).				District without the Asylum.				North Ward.				South Ward.				Central Ward.				Asylum, Colney Hatch.				Barnet Union.					
Year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.		
1893	...	9322	209	307	24	7384	209	76	24	2052	—	20	—	2428	—	29	—	2756	—	27	—	1938	—	231	—	—	—	—	—	
1894	...	9174	206	254	29	7467	206	77	29	2086	—	20	—	2840	—	29	—	2901	—	38	—	1707	—	177	—	—	—	—	—	
1895	...	10176	204	277	24	7698	204	77	24	2134	—	20	—	2596	—	27	—	2968	—	30	—	2488	—	260	—	—	—	—	—	
1896	...	11227	213	288	18	8377	213	72	18	2227	—	21	—	2160	—	33	—	3290	—	18	—	2850	—	216	—	—	—	—	—	
1897	...	11175	228	235	18	8358	228	04	18	2130	—	20	7	3306	—	48	14	2922	—	36	9	2817	—	231	—	—	—	1	—	
1898	...	11498	217	298	31	8668	217	85	31	2165	—	17	6	3031	—	35	20	3471	—	28	4	2830	—	213	—	—	—	5	—	
1899	...	11725	236	326	38	8916	236	199	38	2152	—	16	6	3153	—	48	20	3611	—	31	12	2809	—	227	—	—	—	4	—	
1900	...	11937	248	286	28	9114	248	13	28	2053	—	21	6	3563	—	51	17	3498	—	33	5	2823	—	173	—	—	—	8	—	
1901	...	11566	242	298	21	8816	242	199	21	1702	—	24	5	3867	—	47	7	3247	—	28	9	2750	—	199	—	—	—	6	—	
1902	...	11881	270	348	29	9145	267	105	29	1926	40	23	7	3724	137	49	14	3494	90	33	8	2736	3	234	—	—	—	4	—	
Average of years 1893 to 1902.		10968	227	291	26	8394	227	101	26	2063	—	20	6	3067	—	39.5	15	3216	—	30	8	2575	—	210	—	—	—	—	—	
1903	...	11825	294	358	31	9442	293	103	31	1882	—	14	3	4038	—	57	21	3522	—	25	6	2383	1	254	—	—	—	1	8	1

TABLE III.—CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1903.

NOTIFIABLE DISEASES.	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.						1 North Ward.	2 South Ward.	3 Central Ward.	4 Asylum.	1 North Ward.	2 South Ward.	3 Central Ward.	4 Asylum.
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upw'rds.								
Small-pox.....															
Cholera.....															
Diphtheria .....	30	1	7	17	2	3	...	4	23	3	...	...	13	1	...
Membranous Croup															
Erysipelas .....	13	...	...	...	...	8	5	1	1	2	9	...	...	...	...
Scarlet Fever .....	37	...	6	23	6	2	...	4	8	24	1	5	2	12	...
Typhus Fever.....															
Enteric Fever .....	14	...	...	2	5	7	...	1	3	2	8	1	2	1	...
Relapsing Fever...															
Continued Fever...															
Puerperal Fever ..	2	...	...	...	1	1	...	1	...	1	...	...	...	...	...
Plague .....															
Measles.....	150	10	76	62	1	1	...	3	115	32	...	...	...	...	...
Totals .....	246	11	89	104	15	22	5	14	150	64	18	6	17	14	...

The District is without an Isolation Hospital. Patients sent, when possible, to Southgate, Hornsey, Enfield, or Hendon. Two were sent to Westminster Hospital, one to St. Bartholomew's, and one to Euston Rd. Hospital for Women.



TABLE IV.—CAUSES OF AND AGES AT DEATH DURING YEAR 1903.

CAUSES OF DEATH.	DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN LOCAL- ITIES (AT ALL AGES)					DEATHS IN PUBLIC INSTITUTIONS.
	All Ages	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	North Ward.	South Ward.	Central Ward.	Asylum.	Union.	
Small-pox ...													
Measles ...	8	1	7	...	...	...	...	...	7	1	...	...	...
Scarlet Fever ...	2	1	1	...	...	...	...	1	1	...	...	...	...
Whooping Cough ...	1	...	1	...	...	...	...	1	...	...	...	...	...
Diphtheria and Mem- branous Croup ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Croup ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fever { Typhus ...	2	...	...	...	...	2	...	...	...	...	...	...	...
{ Enteric ...													
{ other continued													
Epidemic Influenza ...	1	...	...	...	...	...	1	...	...	...	1	...	1
Cholera ...													
Plague ...	5	3	1	...	1	...	...	...	4	...	1	...	1
Diarrhoea ...	3	1	1	...	...	1	...	...	1	...	1	1	2
Enteritis ...													
Puerperal Fever ...	2	...	...	...	...	2	...	...	...	...	2	...	2
Erysipelas ...	2	...	...	...	...	1	1	...	...	1	1	...	1
Other Septic Diseases ...	44	1	...	...	9	31	3	2	4	...	36	2	38
Phthisis ...													
Other Tubercular Diseases ...	12	3	1	1	1	5	1	2	2	1	7	...	7
Cancer, Malignant Disease ...	16	...	...	...	...	13	3	1	3	4	7	1	8
Bronchitis ...	19	5	2	...	...	10	2	1	11	...	7	...	7
Pneumonia ...	22	5	...	...	1	12	4	1	3	3	15	...	15
Pleurisy ...	4					3	1				4	...	4
Other Diseases of Respi- ratory Organs ...	1	...	...	...	...	1	...	...	...	...	1	...	1
Alcoholism } Cirrhosis of Liver }	3					1	2	...	2	1	...	...	
Venereal Diseases ...	1				1						1		1
Premature Birth ...	4	4	...	...	...	...	...	...	3	1			
Diseases and Accidents of Parturition ...	1				1				1				
Heart Diseases ...	29	1	1	...	2	13	12	4	6	4	15	...	15
Accidents ...	56	1	...	...	2	51	2	...	1	2	53		53
Suicides ...	3	...	...	...	...	3	...	1	...	...	2	...	2
Senile Decay ...	31	...	...	...	...	2	29	1	2	2	25	1	26
General Paralysis ...	29	...	...	...	...	29	...	...	...	...	29	...	29
Epilepsy ...	6	...	...	...	3	3	...	...	...	...	6	...	6
Exhaustion of Dementia	7	...	...	...	1	5	1	...	...	...	7	...	7
Melancholia ...	3	...	...	...	...	3	...	...	...	...	3	...	3
Ulcerative Colitis ...	15	...	...	...	1	11	3	...	...	...	15	...	15
All other causes ...	27	5	2		1	12	7		6	4	14	3	17
All causes ...	358	31	16	1	24	214	72	14	57	25	254	8	262

In recording the facts under the various headings of Tables 1, 2, 3 and 4, attention has been given to the notes on the Tables.

FRANK A. SPREAT, D.P.H., Medical Officer of Health.

JANUARY 22nd, 1904.



The natural increase of the population by excess of births over deaths was  $(294 - 103) = 191$ .

*Houses—*

		WARDS.			
		North.	South.	Central.	
Occupied	...	336	721	629	= 1686
Unoccupied	...	14	70	60	= 144

MORTALITY (see Tables 1, 2 and 4.)

There were 103 deaths registered in the District, giving a death-rate of 10.9. Eight deaths occurred outside the District of persons belonging to it, and 1 death in the District of a person not belonging to it, giving a net total of 110, equal to a death-rate of 11.6.

The following is a table comparing the number of houses occupied and unoccupied, the population, births, birth-rate, deaths and death-rate, since 1885. This gives a good idea of the growth and health of this District during that period.

YEAR.	HOUSES.		Population.	Births.	Birth-rate.	Deaths.	Death-rate.
	Occupied.	Unoccupied.					
1885	909	237	5269	157	29.7	66	12.5
1886	983	183	5496	207	37.6	68	12.3
1887	1022	106	5733	204	35.4	53	9.2
1888	1043	125	5900	207	34.8	71	11.8
1889	1076	86	6238	219	35.1	75	12.6
1890	1089	108	6507	258	39.6	94	14.4
1891	1117	84	6787	218	32.1	84	12.3
1892	1179	118	7079	191	26.9	70	11.2
1893	1216	72	7384	209	28.3	76	10.3
1894	1264	56	7467	206	27.5	77	10.3
1895	1277	58	7698	204	26.5	77	10
1896	1377	19	8377	213	25.4	72	8.5
1897	1388	17	8355	228	27.2	104	12.4
1898	1441	8	8668	217	25.0	85	9.8
1899	1482	10	8916	236	26.5	99	11.1
1900	1564	57	9114	248	27.2	105	11.5
1901	1558	104	8816	242	27.4	99	11.2
1902	1633	143	9145	270	29.5	105	11.4
1903	1686	144	9442	294	31.1	103	10.9

The Zymotic Death-rate, *i.e.*, deaths from the following infectious diseases:—Small-pox, Measles, Scarlatina, Diphtheria, Whooping Cough, Diarrhoea, Fever (Typhus, Typhoid, and Continued), was 1.4, as it was last year. Measles provided nearly half the deaths, Whooping Cough and Enteric Fever two each, while Scarlet Fever and Diphtheria are absent from the list.

## ASYLUM FIRE.

The reason that the number of deaths in the Asylum is considerably above the average, although the population has decreased, is that 51 female inmates lost their lives in the disastrous fire on January 27. The building known as the Annexe was completely destroyed. The Middlesex Coroner held an inquest on January 30, February 5 and February 12.

With regard to the above Building, no Plans were submitted to your Council, the premises being exempt under the Bye-Laws.

The Zymotic Death-rate in previous years was—

1884	...	2.1	1890	...	1.6	1896	...	1.5
1885	...	1.2	1891	...	1.5	1897	...	2.5
1886	...	2.7	1892	...	1.0	1898	...	1.9
1887	...	0.8	1893	...	2.3	1899	...	2.5
1888	...	1.5	1894	...	1.6	1900	...	0.5
1889	...	0.7	1895	...	0.9	1901	...	1.8

BIRTHS (see Table 1).

These numbered 294, giving a Birth-rate of 31.1, being an increase of 1.6 per thousand.

## MEASLES.

This disease was first added to the list of notifiable diseases in 1894, and the regulation was renewed in 1900.

Although there were 150 cases during the year, and the deaths from this disease practically equalled those from all other zymotic diseases, yet it has been decided that notification shall no longer be in force. The average annual cost was £19.

The following are the numbers for the last seven years.

1897	...	273	1900	...	15
1898	...	142	1901	...	292
1899	...	19	1902	...	186
			1903	...	150

## WHOOPIING COUGH

Was less prevalent than it was last year, causing only two deaths—one in each of the North and South Wards.

## CHICKEN POX.

There were a few cases this year. I have, on two occasions, suggested that this disease should be made notifiable when Small Pox is at all prevalent and threatening our District.

## DIPHTHERIA.

There were 30 cases without a death. A decidedly larger number than usual were removed to Hospital for treatment.



## INFLUENZA

Has occurred in a modified form. There has been only one death. Towards the end of December there were signs of an impending outbreak.

## TYPHOID.

There were 14 cases notified, viz., 8 in the Asylum and 6 in the District. In the former there were in, 1902, 2 cases and 1 death; in 1901, 20 cases and 4 deaths; and in 1900, 3 cases with no death. The water supply of the Asylum has been thoroughly investigated.

## SCARLET FEVER.

There were 37 cases, viz., North Ward, 4; South, 8; Central, 24; and Asylum, 1. Of these, 19 were removed to an Isolation Hospital. This is a much larger proportion than was the case last year.

## DIARRHŒA

The number of deaths from this disease is still small, viz., 5, as compared with 4, 3, 5 and 20 in the preceding four years.

## COLLITIS.

There were 15 deaths—all in the Asylum, and all in women. The average for the last three years is 22.

## TUBERCULOSIS.

From this cause there were 56 deaths during the year, 43 of which were in the Asylum. In 1900, there were 32 deaths; in 1901, 24; in 1902, 51, so that there is still an increase. Although it is true to say that the increase is in part only apparent, being due to more correct classification of the cause of death; yet it is to be hoped that the Asylum Authorities will make increased provision for open-air treatment. Disinfection is carried out, when possible, in all cases of removal and death from this disease. The following are, as far as can be obtained, the number of deaths per year since 1892—

1892 . 16	1895 . 6	1898 . 13	1901 . 24
1893 . 16	1896 . 19	1899 . 14	1902 . 42
1894 . 12	1897 . 9	1900 . 32	1903 . 56



## SMALL-POX

No cases occurred. I was notified of a "contact," who was engaged in the Meat Market. I visited his house, put the household in quarantine as far as possible, and offered every facility for vaccination, disinfection, etc., with the result that there was no further trouble.

The arrangements concluded in 1898 for the reception of cases of small pox at South Mimms Hospital are still in operation. Several conferences have been held by Local Authorities, with the view of providing accommodation by acquiring the South Mimms Hospital. Friern Barnet decided not to unite with the Joint Committee.

Below is a Table of Infectious Diseases, arranged to show the number of cases of each occurring in each month

Month.	Total.	Measles	Scarlet Fever.	Diph- theria.	Enteric.	Ery- sipelas.	Puerperal Fever.	Small Pox.
Jan. -	12	8	0	1	2	1	0	0
Feb. -	11	1	0	3	3	4	0	0
Mar. -	15	8	2	1	1	3	0	0
April -	74	67	2	4	0	0	1	0
May -	25	8	2	13	2	0	0	0
June -	11	5	2	3	0	1	0	0
July -	6	2	4	0	0	0	0	0
Aug. -	6	0	2	1	3	0	0	0
Sept. -	19	10	8	0	0	1	0	0
Oct. -	50	41	6	2	0	1	0	0
Nov. -	6	0	2	1	1	1	1	0
Dec. -	9	0	5	1	2	1	0	0
—	—	—	—	—	—	—	—	—
	244	150	35	30	14	13	2	0
—	—	—	—	—	—	—	—	—

## ISOLATION HOSPITAL.

The District not being provided with an Isolation Hospital, beds are procured when possible from the surrounding authorities, Enfield, Hornsey, Southgate and Hendon. I have again to point out that with the increase of the population, not only of Friern Barnet but of the surrounding districts, the want of definite accommodation will be felt more and more. At times there is delay and great difficulty in getting beds. A very much larger proportion of cases of Diphtheria and Scarlet Fever have been removed this year at the request of the relatives. This shews an increasing desire on the part of the residents of the District to have their infectious sick treated at an Isolation Hospital.

### AMBULANCE.

The District does not yet possess an Ambulance, but satisfactory arrangements have been made with the Finchley District Council Authority for the hire of their conveyance.

### MORTUARY.

The Finchley District Council have an excellent Mortuary, a short distance from Friern Barnet West boundary, and arrangements have been made for its use.

### MEANS TAKEN TO PREVENT THE SPREAD OF INFECTIOUS DISEASE.

On the receipt of information respecting infectious cases, the premises are visited, a printed list of instructions as to necessary precautions is given, and disinfectants for immediate use are supplied at the expense of the Authority.

Removal to an Isolation Hospital is offered, and where accepted is carried out, an undertaking being obtained, where possible, for at least a portion of the maintenance of the patient while in the hospital. After the recovery or removal of an infectious case, disinfection is performed, and cleaning and stripping orders are served where necessary. Clothes, bedding, etc., are removed to Finchley, where they are put through the steam disinfecter.

Antitoxin is now supplied free to medical men for use in cases of Diphtheria occurring in the District. A circular letter was sent to those benefiting by this arrangement, requesting a statement as to the mode of administration, stage of the disease, quantity used, number of the Serum, age of patient, and results obtained, for the purpose of gaining useful statistical information,

### "CLEANSING OF PERSONS" ACT,

Under the Provisions of the above Act steps were taken in regard to two families,

### SEWAGE WORKS.

*Situation of the Works.*—The Sewage Works are situated on the south side of the District (in Wood Green Parish), and within 100 yards of a small brook into which the effluent flows. The original Works were completed at the end of 1886, from designs furnished by Mr. Baldwin Latham, M. Inst. C.E., and were executed under his direction.

The working of the tanks and original filters have been altered and improved and three new Bacteria Beds have been constructed, under the superintendence of Mr. E. J.



Reynolds, Assoc. M. Inst. C.E., the Surveyor to the Council, from plans made by him.

The method of treatment is as follows :—

The Sewage, which enters the Works by gravitation, is first passed through a revolving screen, after which a solution of Buxton Lime, equal to 4 grains per gallon, is added, and the whole is thoroughly mixed. It then receives aluminoferric to the extent of one grain per gallon, and is again well mixed by passing through a salmon ladder, and in this condition flows into settling tanks, of which there are three, each having a capacity of 70,000 gallons. A fourth tank has been added, and is practically complete. These tanks are divided by concrete walls, on which is an open channel, divided by sluice doors, so that either one, two, three or four tanks can be worked at a time and alternately as required. The overflow from the tanks first passes through coke screens into an open channel, then on to first contact Bacteria Beds and through the filter or second Bacteria Beds into an effluent chamber, and thence into the brook referred to above.

#### EARTH CLOSETS.

Four in the District, on isolated premises. The earth closets at Hales's, Sydney Road, have been removed.

#### PUBLIC URINALS.

All these in the District have been reconstructed,

#### SEWERAGE.

The Roads in the District have separate drains for storm water, most of the houses having the dual system of drainage.

Sewers have been laid in Myddleton Park, Balfour Grove, portions of Holly Park Road, and surface-water sewer in Pembroke Road, and an additional 18-inch outfall sewer from the Sewage Works to Cromwell Road.

#### VENTILATION OF SEWERS.

The system of shaft ventilators is being extended to the whole of the District.

#### REMOVAL AND DISPOSAL OF HOUSE REFUSE.

This is undertaken by the Council, through the Surveyor's Department, the collections being regularly carried out by means of covered improved dust carts. Iron dustbins are required in place of the unsanitary brick and wooden receptacles, which in many cases were attached to the houses. The refuse is chiefly taken on to the Sewage Farm.



## THE SUPERVISION OF HOUSES.

All new houses should be certified before habitation, and are required to conform to the Bye-laws, with regard to site, open space, etc. The refuse from dust-bins is not allowed to be sifted and used for building purposes in place of sand.

## HOUSING OF THE WORKING CLASSES.

The Committee have not been able to recommend the erection of Workmen's Dwellings, owing to the high prices asked for suitable sites.

## LIGHT RAILWAYS.

The Board of Trade have confirmed the order authorising the construction of a Light Railway through the District, which will be connected with the line from Wood Green and run from the Station Road to the "Orange Tree," and thence to Finchley. The electric cables are already laid.

## ELECTRIC-LIGHTING ORDER.

A Provisional Order has been obtained, for which the Board of Trade have extended the time for carrying out the Order.

## PRIVATE ROADS.

Various roads are under the consideration of the Council, for the purpose of making them up, under Section 150 of the Public Health Act.

## NEW ROADS.

Plans for new roads have been approved by the District Council—Myddleton Park (from Oakleigh Road to Friern Lane) and Balfour Grove.

## WATER SUPPLY.—BARNET WATER CO. & INTERMITTENT SUPPLY.

The question of a constant supply is still receiving the attention of the Council. The Company are introducing into Parliament a Bill to give them further powers and increase the capital of the Company,

## LIGHTING.

The Colney Hatch Gas Company are applying to Parliament for further powers and to increase the capital of the Company.

With regard to the above-mentioned Bills, I understand that the Council will petition against the same with the view of certain clauses being inserted for more effectually safeguarding the interests of the District.

## FIRE.

The Council have under consideration the purchase of an Engine and formation of a Fire Brigade. Hydrants and the supply of water in case of fire have been under the consideration of the Council. Fire appliances have been ordered and the following hydrants have been provided and fixed, viz.,

NO. ON PLAN	<i>Locality.</i>	<i>Position.</i>
1	Friern Barnet Road	Opposite the Priory
2	Do.	Corner of Kennard Road
3	Do.	do. Hartland Road
4	Do.	do. Ramsden Road
5	Do.	do. Macdonald Road
6	Do.	do. Stanford Road
7	Do.	do. Glenthorne Road
8	Do.	do. Carlton Road
9	Do.	do. Bellevue Road
10	Do.	do. Parkhurst Road
11	Do.	do. Beaconsfield Road
12	Do.	do. the Avenue
13	...	Carlisle Place, Oakleigh Road
14	...	Holmsdale Road, the Avenue
15	...	Stanhope Road, Holmsdale Road
16	...	The Avenue
17	...	Corner of Holly Park and Beaconsfield Road
18	...	do. Parkhurst Road and Holly Park Road
19	...	do. Belle Vue Road do. do.
20	...	do. Carlton Road do. do.
21	...	do. Glenthorne Road do. do.
22	Goldsmith Road ..	do. Stanford Road
23	Do.	do. Macdonald Road
24	Do.	do. Ramsden Road
25	Do.	do. Hartland Road
26	Colney Hatch Lane	By Southgate College
27	Do.	Corner of Cromwell Road
28	Do.	Midway between Cromwell and Pembroke Rds.
29	Do.	Corner of Pembroke Road
30	Do.	do. Wetherill Road
31	Do.	do. Wilton Road
32	Sydney Road ..	do. Wetherill Road
33	Do.	do. Alma Road
34	Do.	do. Roman Road
35	Do.	Opposite Sydney Terrace
36	Cromwell Road ..	do. Lime Tree Terrace
37	Do.	do. "Alexandra Arms"
38	Alexandra Road ..	Near Park House
39	East Road ...	Corner of Lily Villas
40	Oakleigh Rd. North	By Brunswick Bridge
41	Do.	Corner of Bawtry Road
42	Do.	By "Rising Sun" P.H.
43	Do.	By All Saints' Church
44	Do.	By Junction Oakleigh Park North
45	Athenæum Road ...	Opposite Tennis Ground
46	Oakleigh Pk. North	Corner of Athenæum Road
47	Do.	Junction Oakleigh Park South
48	Oakleigh Park ...	Near Station
49	Do.	Opposite All Saints' Road
50	Do.	Near Drumna House
51	Friern Lane ...	Corner of Torrington Park
52	Do.	By Parish Church
53	Torrington Park ...	Opposite Footpath
54	Do.	Corner of Friary Road
55	Finchley Park ...	Near end of road
56	Friern Park ..	do.
57	Do.	By Grove Road
58	Do.	Near Finchley Parish
59	Pembroke Road ...	Corner of Hampden Road
60	Wilton Road ...	Top end



## SCHOOLS.

1, Friern Lane (Boys). 2, St. Peter's, Cromwell Road.  
3, St. John's, Glenthorne Road. 4, All Saints'. 5, St. Paul's.

All Saints'.—The ventilation of this School has been improved.

I have drawn the attention of the Council and School Authorities to the want of paper in the water closets, as I consider this is highly necessary. The experiment, as I mentioned last year, of a supply being provided has been tried at All Saints' School and has proved satisfactory.

The Schools have been inspected frequently and have been found in good order. In some instances I have pointed out to the teachers the desirability of making more use of the means of ventilation provided.

## ADULTERATION OF FOOD.

Attention has been given to this subject, particularly with regard to the small general shops, which have been inspected frequently.

I have inspected and reported upon the following :—

Athenæum Road, Friern Lane, High Road, Whetstone ;  
Pembroke Road, Cromwell Road, Sydney Road, The Avenue.  
Doncaster Terrace, Holly Park Road, Friern Barnet Road.

The following, among many other Acts of Parliament, are in force in your District :—

Public Health Act, 1875.

Housing of the Working Classes Act, 1890, 1893,  
Part I. and II.

Customs.

Public Health Acts Amendment Acts, 1890.

Infectious Disease Prevention Act, 1890.

Infectious Disease Notification Act, 1889 and 1890.

Contagious Disease (Animals) Act.

Dairies, Cow-sheds, and Milk-shops Order, 1885.

Isolation Hospital Act, 1893.

Factory and Workshops Act, 1878, 1883, 1891, 1895, 1901

Allotments Act.



## METEOROLOGY.—Friern Barnet Sewage Works, 1904.

Month.	Temperature of Air.				Mean Temper- ature of Air.	Rain.		Prevailing Wind.
	Highest.	Lowest.	MEAN			No. of Wet Days.	Amount Collected.	
			of all High- est.	of all Low- est.				
January ...	57	19	41·0	32·14	36·57	17	1·86	W.
February	56	17	47·33	34·87	41·1	9	·55	S.W
March ...	67	23	50·08	34·26	42·17	18	2·025	S.W
April ...	60	21	50·12	33·0	41·56	11	1·795	W.
May ...	77	27	62·88	41·0	51·94	14	2·20	S.W
June ...	86	33	64·04	43·94	53·99	11	6·05	N.
July ...	88	37	70·61	49·73	60·17	14	3·905	W.
August ...	78	41	68·0	48·54	58·27	17	4·175	S.W
September	82	32	65·75	46·01	55·88	14	2·645	W.
October ...	67	32	56·66	43·66	50·16	26	5·18	W.
November	54	24	46·38	35·18	40·78	12	1·695	W.
December	49	21	38·41	30·27	34·34	8	1·40	E.
			Avg. per day, 55·10	Avg. per day, 39·38	Avg. per day, 47·24	Wet Days, 171 collect	Avg. per month 2·79 ed 33·48	No S. Wind pre vail in F. B.

## BYE-LAWS.

New Streets and Buildings (recently confirmed by the Local Government Board). Houses Let in Lodgings. Common Lodging Houses. Nuisances. Slaughter-Houses. Occupation of Houses. Sanitary Regulation of Bake-houses. Sanitary Regulation of Dairies, Cow-sheds, and Milk-shops.

## THE FACTORY ACT.

The Factory and Workshops Act, 1901, being now in force, I have drawn up a report, in scheme form, to facilitate reference.

NO. IN REGSTR.	Name and Situation of Workshop.	Name and Postal Address of		Nature of Em- ployment.	General Remarks.
		Occupier.	Owner.		
	<b>MILKSELLERS.</b>				
1	6, The Parade, Friern Barnet Road	Weiss, F.	Percy Young	Milkseller	In a very small way, for con- venience of customers.
2	Friern Manor Dairy Co., 4, The Broadway	Wm. Taylor	J. C. Newman	Dairymen	Premises improved and Cans satisfactory.
3	1 Leslie Terrace	Henry White	Mrs. Hawes	Milkseller	In a very small way of business
4	The Muswell Dairy, Wetherill Road	P. M. Adams	P. M. Adams	Milkseller	Dung receptacle imperfect. Notice served.
5	4, Alexandra Parade	Reed Bros.	S. Carter	Milkseller	Combined with Confectioner's business.
6	Friern Manor Farm Dairy Co., the Park Farm, Coppett's Lane	Mr. Taylor	The Co. (Houses) Land, Smith's Exors.	Milkseller	Part of these Premises are in Hornsey, only the Cowhouses (which have been recently reconstructed & Yard paved) being in Friern Barnet.
7	2, Cromwell Buildings	George McCarthy	Flexman, W.	Milkseller and Dairyman	
8	35, Friern Barnet Road	Henry B. Brinkler	E. Dixon	Dairymn, Whole- sale & Retail	Special Butter Store and Steam- jet for cleansing the Cans.
9	Holly Cottage, Oakleigh Rd., Whetstone	Saml. J. Mambery	F. Crisp	Retailer	Has removed all his Pigs.
10	Manor Farm or Oakleigh Park Dairies, High Road, Whetstone	Mr. Lane	Lord Mount Tem- ple	Dairymn & Re- tailer	Recently reconstructed, and en- larged to hold 25 Cows.
11	Woodward's Bakery, 6, Oakleigh Road	Alfred Woodward	Mrs. Arnold Rob- inson	Milkseller	For convenience of small trade.
12	High Rd., Whetstone, N.	Frederick Dodson	Mr. Ball	Milkseller	Do. do.
13	White's Stores, Pembrk Rd	Sarah White	Mrs. Hawes	Do.	Do. do. Satisfactory.
	<b>COWKEEPERS.</b>				
1	The Dairy, Wetherill Rd.	P. M. Adams	P. M. Adams	Cowkeeper. No. of Cows, 7	Manure receptacle defective. Notice to be served.
2	Friern Manor Dairy Co., Park Farm, Coppett's Lane	Mr. Taylor	Friern Manor Dairy Co. & Smith's Exrs.	Cowkeeper. No. of Cows,	See also ["Milk Sellers"].



NO. IN REGSTR.	Name and Situation of Workshop.	Name and Postal Address of		Nature of Em- ployment.	General Remarks.
		Occupier.	Owner.		
3	Oakleigh Rd, Whetstone, N	S. J. Membery	F. Crisp	Cowkeeper. No. of Cows, 7	See also ["Milk Sellers."]
4	Oakleigh Pk. Dairy, Whet- stone, N.	Mr. Lane	Lord Mount Tem- ple	Cowkeeper. No. of Cows, 40	Premises recently enlarged and reconstructed.
5	Rathbone Cottages, Cow- sheds in rear of	George Fillary	J. Smith	Cowkeeper. No. of Cows, 2	This is an old wooden erection. The floor has been relaid and the walls repaired.
	<b>BAKEHOUSES.</b>				
1	4, Cromwell Blds. separate building on ground floor	B.W. Marzette	W. Flexman	Baker	Flour Store a wooden construction. Steps being taken with regard to provision of a proper Store. Bakehouse cleansed.
		Reed Brothers	S. Carter	Do.	Notice served to Concrete Mews.
2	4, Alexandra Parade. Bake- house in rear opening into mews, separate building on ground floor	Robert Hockey	Wallace & Hockey	Baker & Confec- tioner	Underground Bakehouse. Re- construction of Bakehouse and Storeroom.
3	39, Friern Barnet Road, underground				
4	12, Oakleigh Road. Sepa- rate building on ground floor	W. Say	J. Kennedy	Baker	Floor to be trowel-faced.
5	Friern Barnet Rd. Separate building in mews at rear	Weiss, Frank	Percy Young	Do.	
6	6, Oakleigh Road. Under- ground	Woodward	Mr. Geo. Ing	Do.	Underground Bakehouse. Re- quired to be brought up to date
7	High Road, Whetstone, N.	Thorogood	M. Ball	Do.	
	<b>FACTORIES.</b>				
1	Cinematograph Works, Sydney Road	R. W. Paul	R. W. Paul	Photo. Films	Wooden walls replaced with glazed brick. Iron Door, &c. Sanitary accommodation dirty, Machinery situated in a lean- to outside glass shed. Gas engine and two printing ma- chines. Roof defective.
2	Pickering's Printing Wks. 113, Friern Barnet Road	Herbert E. Pickering	R. J. Jelly	Printing	Earth Closet removed and new built with proper drainage.
3	Hales's Works	A. E. Hales	A. E. Hales	Contractor, Iron- founder, Stm. Sawmills	



NO IN REG STR.	Name and Situation of Workshop.	Name and Postal Address of		Nature of Em- ployment.	General Remarks.
		Occupier.	Owner.		
4	60, Beaconsfield Road, in garden of rear, Clarendon Laundry	Mrs. Wildey	E. W. Wildey	Laundry	Engine, Boiler and Washing Machines. Separate W.C.'s for men and women. Notice to provide manure cage and pave yard.
5	36, Belle Vue Road	C. L. D. Lavington	National Tempce. Building Soc.	Chamois Leather Trimmers	Trimming Machine on premises, but not in working order.
6	Barnet Aerated Water Co Holly Lodge, Holly Pk. Rd	Hen. Jas. Nicholl	Barnet Aerated Water Co.	Mineral Water Manufactory	Gas Engine, Pump & Cylinders. W.C.'s recently reconstructed
7	Whetstone Photographic Co., Athenæum Road	Birt Acres	G. S. Waterlow	Film Manufactory	Gas Engine for Electric Light & Power. An iron and wooden building, therefore great dan- ger of fire, against which ade- quate provision should be made
<b>LAUNDRIES.</b>					
1	Friern Laundry, High Rd. Whetstone, N.	W. Rendall.	J. Sketchley	Hand Laundry	Floor of Wash House defective. W.C. faulty.
2	11 Bawtry Road	Mrs. Skinner	W. H. Rich	Do.	
3	"Westby" Laundry, Crom- well Road	Mrs. Eaton	W. Vickery	Do.	
4	109, Pembroke Road	Mrs. W. Wilkinson	J. Ashwell	Do.	Notice served to lay Paving in Wash House to proper level and fall.
5	131, Pembroke Road	Mrs. E. Burton	Do.	Do.	
<b>DOMESTIC WORK-SHOPS.</b>					
1	42, Oakleigh Road	Mrs. Eliza Pugh	Miss A. McCarthy	Laundry	Hand Laundry.
2	Pembroke Road	Mrs. Hodge	Graham	Do.	W.C. next to W.H. Satisfactory
3	76, Holly Rark Road	Mrs. Gray	Lond. Commercial Deposit Building Society	Dressmaker	Private House.

SLAUGHTERHOUSES					
1	Butcher's Shop & Slaughter house, 33, Friern Barnet Road	Edward Dixon	Edward Dixon	Slaughtering Sh'p & Beasts, sometimes Pigs.	Entrance from Avenue Mews. The accommodation is very limited, there being 2 pens, one in the Slaughter-house. As far as possible they have been brought up to date.
2	High Road & The Mews, Whetstone, N.	F. G. Smeeton	F. G. Smeeton	Slaughtering Sh'p Beasts & Pigs	Entrance from Oakleigh Mews. Accommodation exceedingly limited, consists of 1 chamber only, near to house. Lately brought up to date as far as possible.
WORKSHOPS.					
1	29-31 Friern Barnet Rd.	R. C. Braybrook	Cleveley's Exors.	Dressmaker & Draper	Dressmaking at irregular intervals.
2	7, Sydney Road	Ralph Howe	A. E. Hales	Glass and Lead Col' red Light Maker	Workroom 1st floor back and front.
3	10, Oakleigh Road	Robert Monk	W. Hooper	Cycle Maker & Machinist	Cycle Store & occasional repairs
4	Stanford Rd., attached to Elizabeth Villa	Brace Oram	J. W. Hewett	Do. do.	Store used occasionally as Workshop.
5	The Mews, Belle Vue Rd.	J. L. Life	Brown & Sweetland	Store now occasionally used as workshop	Do. do.
6	66, Holly Park Road	A. W. Price	A. W. Price	Builder's Yard	
7	47, Belle Vue Road	C. Marriott	J. Southey	Builder's Store & Paint-shop	
8	Eke Workshop	W. Eke	Brown & Sweetland	Smith	
9	Avenue Mews. Forge	W. Bray & Son	Mrs. C. J. Pickard	Do.	
10	Baldwin Forge, High Rd. Whetstone	H. G. Harrison		Do.	Recently cleansed.



*Inspector's Report of Sanitary Work executed in  
the District for the Year ending December 31, 1903.*

*Inspection.*

Complaints received	...	...	...	...	...	15
Cases of Infectious Disease notified	...	...	...	...	...	244
Number of Premises periodically Inspected	...	...	...	...	...	228
Houses Inspected from House-to-House	...	...	...	...	...	388
Total Number of Houses, Premises, &c., Inspected	...	...	...	...	...	616
Total Number of Re-inspections after Order or Notice	...	...	...	...	...	3080
Total Number of Inspections and Re-inspections	...	...	...	...	...	3696

*Notices.*

Cautionary Notices given	...	...	...	...	...	122
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*Dwelling Houses.*

Houses, Premises, etc., Cleansed, Repaired, etc.	...	...	...	...	...	340
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*Movable Dwellings, Caravans, Tents, etc.*

Number Observed during the year	...	...	...	...	...	128
Number Removed from District	...	...	...	...	...	128

*Schools.*

Number in District	...	...	...	...	...	5
Periodical Frequency or Number of Inspections	...	...	...	...	...	70

*Factories, Workshops and Work-places.*

Number in District	...	...	...	...	...	37
Periodical Frequency or Number of Inspections	...	...	...	...	...	144

*Laundries.*

Number in District	...	...	...	...	...	9
Periodical Frequency or Number of Inspections	...	...	...	...	...	36

*Bake-houses.*

Number in District	...	...	...	...	...	7
Periodical Frequency or Number of Inspections	...	...	...	...	...	45

*Slaughter-houses.*

Number on Register	...	...	...	...	...	2
Periodical Frequency or Number of Inspections	...	...	...	...	...	18

*Cow-sheds.*

Number on Register ... ..	4
Periodical Frequency or Number of Inspections...	34

*Dairies and Milk-shops.*

Number on Register ... ..	13
Periodical Frequency or Number of Inspections ... ..	78

*Adulterated Food.*

Samples taken ... ..	7
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*Water Supply and Water Service.*

New Cisterns provided ... ..	50
Cisterns Cleansed, Repaired, Covered, &c. ... ..	294
Flush Cisterns provided to w.c.'s ... ..	50

*Privy and Ash Pits, Ash and Earth Closets.*

Above-ground Receptacles substituted for Pits ... ..	1
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*Water Closets.*

New Apparatus provided ... ..	50
Repaired, Cleansed, &c. ... ..	200
Supplied with Water, or supply rendered efficient ... ..	65

*Drains.*

Examined, Tested, Exposed, &c. ... ..	274
Unstopped, Repaired, Trapped, &c. ... ..	65
Soil Pipes and Drains Ventilated ... ..	100
Disconnecting Traps or Chambers Inserted ... ..	55
Reconstructed ... ..	47

*Disinfection.*

Rooms Fumigated... ..	240
Rooms Stripped and Cleansed ... ..	175
Articles Disinfected or Destroyed ... ..	1004

*Dust.*

New Bins provided ... ..	60
Movable Receptacles substituted for Fixed ... ..	25

*Dampness.*

Roofs Repaired, &c. ... ..	200
Guttering and Rain-Pipes Repaired, &c. ... ..	140
Yards Paved and Drained ... ..	50
Surface adjoining Houses Paved ... ..	75

ALBERT. E. SHILL,

*Sanitary Inspector.*

JAN. 22, 1904.



