

## **[Report of the Medical Officer of Health for Bromley].**

### **Contributors**

Bromley (London, England). Rural District Council.

### **Publication/Creation**

1905.

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RURAL DISTRICT COUNCIL  
OF BROMLEY.

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ANNUAL REPORT

ON THE

HEALTH

OF THE

Bromley Rural Sanitary District,

FOR THE YEAR

1904,

BY

JAMES SCOTT TEW, M.D., D.P.H.

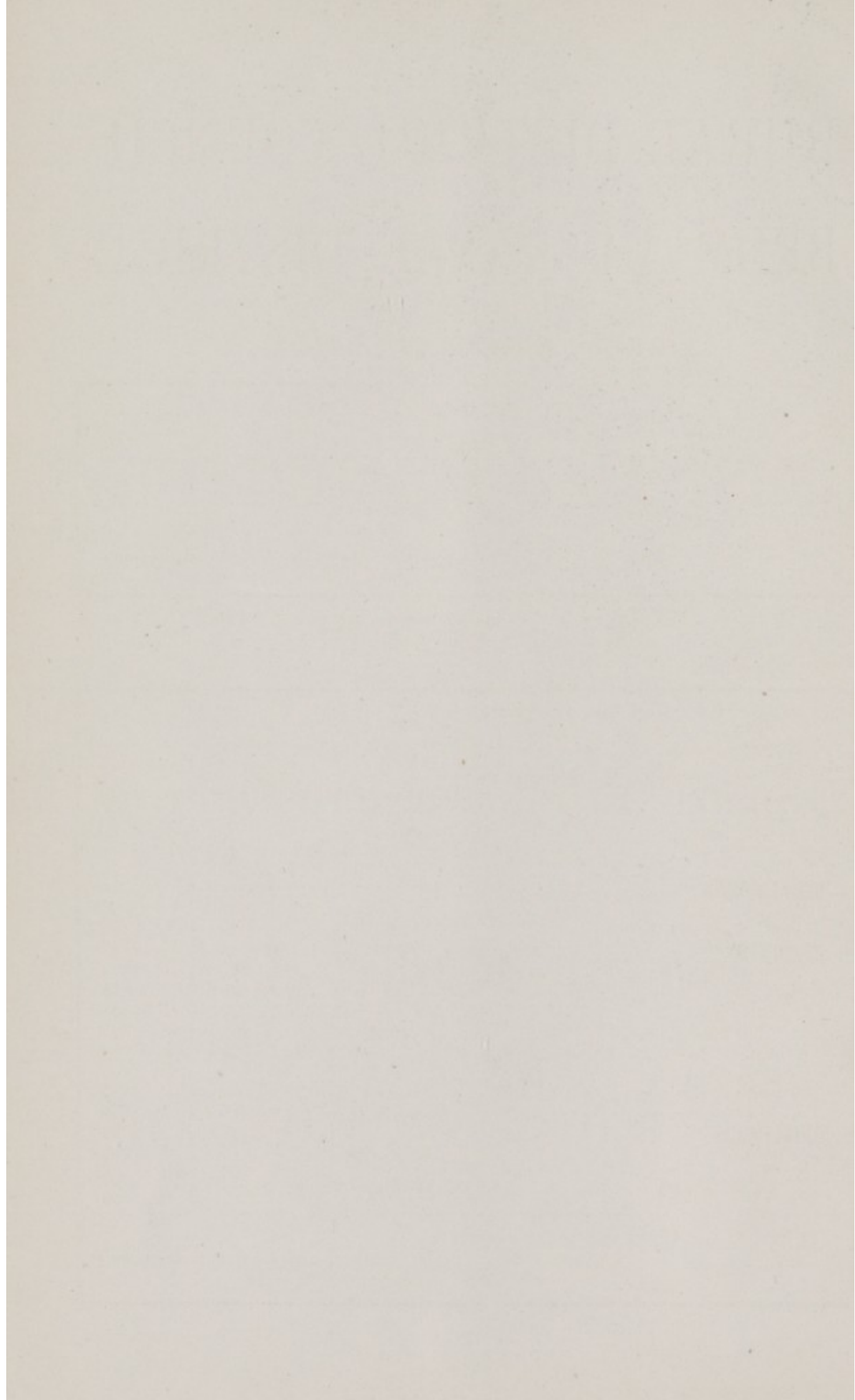
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BROMLEY, KENT :

S. Bush & Son, 41 & 42, High Street.

1905.



# BROMLEY RURAL DISTRICT.

## AREA AND POPULATION.

No. of Registration District.	Area in Statute acre.		Inhabited Houses.			Population.		
	Land and Inland Water.	Inland Water only.	1881	1891	1901	1881	1891	1901
41	28,839	40	2770	3237	3655	14303	16818	18808

The above figures omit Chislehurst and Foots Cray, the former of which was constituted an Urban District on April 1st, 1900, and the latter on April 1st, 1902.

Sub Registration Districts.	Area in Statute acres.		Inhabited Houses.			Population.		
	Land and Inland Water.	Inland Water only.	1881	1891	1901	1881	1891	1901
2. <b>BECKENHAM R.</b>	3942	3	319	409	447	1657	2066	2166
Hayes .. ..	1282	..	143	160	118	694	804	838
West Wickham ..	2660	3	176	249	259	963	1262	1328
3. <b>ORPINGTON</b> .. ..	21117	21	2038	2336	2607	10458	12138	13442
Chelsfield .. ..	3378	..	193	232	330	947	1122	1522
Cudham .. ..	5925	1	217	217	230	1029	1103	1111
Downe .. ..	1652	..	117	127	139	555	581	610
Farnborough .. ..	1429	..	137	258	285	1451	1627	2262
Keston .. ..	1487	8	151	150	171	731	746	832
Knockholt .. ..	1701	1	171	191	217	789	872	952
Orpington .. ..	3517	7	581	760	830	3050	4099	4259
St. Mary Cray .. ..	2028	4	371	401	405	1906	1988	1894
4. <b>CHISLEHURST</b>	3780	16	413	492	601	2188	2614	3200
Mottingham .. ..	642	..	130	172	219	779	1037	1332
N. Cray .. ..	1484	10	130	117	143	535	549	661
St. Paul's Cray ..	1654	6	153	203	239	774	1028	1207
Total for whole District.	28839	40	2770	3237	3665	14303	16818	18808

# Annual Report on the Health

OF THE

BROMLEY

RURAL SANITARY DISTRICT,

For the Year 1904.

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## POPULATION

The population of the Bromley Rural District estimated to the middle of 1904 was 19,504, showing an increase of 696 since the census of 1901, and 217 on the estimated population of 1903.

The number of registered births amounted to 483, including 256 of males and 227 of females, and giving a **Birth-rate** of 24·7 per 1,000 of population as compared with 26·4 in the previous year, and 21·0 in 1902.

Three hundred and fourteen deaths were registered, consisting of 155 of males and 159 of females.

To these must be added 3 deaths of residents which occurred outside the District, 2 at the Bromley and Beckenham Joint Hospital, and 1 at the Cottage Hospital, Eltham.

Of the total 317 deaths 71 were those of non-residents.

**The Death-rate** was 12·6 per 1,000 of the population as compared with 12·3 in 1903, and 11·2 in 1902.

The principal **Epidemic Diseases** include Small-pox, Measles, Scarlet Fever, Diphtheria, Whooping Cough, Fever (including the three principal forms, Typhus, Enteric or Typhoid Fever, and Pyrexia of uncertain origin), and Diarrhœa.

Of the total 246 deaths, 22 were caused by one or other of these diseases, viz., 3 by Diphtheria, 9 by Whooping-cough, and 10 by Diarrhœa.

**The Epidemic Disease Death-rate** was 1·1 per 1,000 of the population as compared with ·7 in 1903, and 1·7 in 1902.

**The Infant Mortality**, *i.e.*, the number of deaths of infants under one year of age per each 1,000 registered births was 132, as compared with 93 in 1903, and 107 in 1902.

During the year 1904 the birth-rate throughout England and Wales taken as a whole was **27·9** (which is the lowest rate on record), the general death-rate **16·2**, and the epidemic disease death-rate **1·94** per 1,000 of population. The rate of mortality among infants under 1 year of age per 1,000 registered births was **146**.

All the above rates for this District are somewhat higher than last year, but compare favourably with those of the country generally, the death-rate, epidemic disease death-rate, and the infant mortality being respectively 3·6, 0·84, and 14 below those for England and Wales.

### NOTIFIABLE DISEASES.

Under the provisions of the Infectious Disease (Notification) Acts, 1889 and 1899, 79 cases were notified as against 100 in the previous year. They consisted of 29 cases of Diphtheria, 1 of Membranous Croup, 19 of Erysipelas, 24 of Scarlet Fever, 4 of Enteric Fever, and 2 of Puerperal Fever.

**Small Pox.**—It is satisfactory to note that no cases of this disease occurred during the year.

A Local Government Board Inquiry was held at the offices of Bromley and Beckenham Joint Hospital Board on February 17th, 1904, by R. J. Reece, Esq., M.D., respecting a petition presented to the Local Government Board to issue a Provisional Order to empower the Joint Board to put in force the powers of the Land Clauses Acts with a view of acquiring a site for a Small-pox Hospital.

**Diphtheria.**—Twenty-nine cases were reported as compared with 25 in 1903, and occurred as follows:—

January	...	...	3 cases
March	...	...	1 case
May	...	...	2 cases
September	...	...	2 "
October	...	...	3 "
November	...	...	15 "
December	...	...	3 "
			<hr/>
Total	...	...	29 cases

The several parishes contributed as follows:—

West Wickham	...	...	1 case
Chelsfield	..	...	2 cases
Farnborough	...	...	3 „
Knockholt	...	...	2 „
Orpington	...	...	7 „
St. Mary Cray	...	...	14 „
<hr/>			
Total	...	...	29 cases

Two of the cases died in Hospital—1 in March from Farnborough, aged 1 year; and 1 in December from St. Mary Cray, aged 7 years.

The cases and deaths occurred at the following age-periods:—

1—5 years.	5—15 years.	15—25 years.	25—65 years.	
11	14	3	1	= 29 cases
1	1			= 2 deaths

**Membranous Croup**—One fatal case of this form of Diphtheria occurred in June at Orpington—a child aged 3 months.

Twelve of these cases of Diphtheria were in the families of persons at Crocken Hill, in the Parish of St. Mary Cray, during the months of November and December. Crocken Hill is on the extreme east of this District, the greater part of the village being in the Dartford Rural District, where Diphtheria was also prevalent at that time and previously.

**Erysipelas** was responsible for 19 non-fatal cases as compared with 20 cases in 1903, and were reported as follows:—

February	...	...	...	2 cases
March	...	...	...	1 case
April	...	...	...	2 cases
June	...	...	...	2 „
July	...	...	...	1 case
September	...	...	...	2 cases
October	...	...	...	1 case
November	...	...	...	3 cases
December	...	...	...	5 „
<hr/>				
Total	...	...	...	19 cases

The cases occurred at the following age-periods:—

1—5 years.	5—15 years.	15—25 years.	25—65 years.	65 & upwards years.	
1	2	1	11	4	= 19 cases.

**Scarlet Fever** fell from 50 cases in 1903 to 24 in 1904, as follows:—

January	...	...	...	4 cases
March	...	...	...	5 „
April	...	...	...	2 „
May	...	...	...	1 case
July	...	...	...	1 „
September	...	...	...	2 cases
November	...	...	...	6 „
December	...	...	...	3 „
Total	...	...	...	24 cases

Locally they occurred as follows:—

Hayes	...	...	...	2 cases
Chelsfield	...	...	...	9 „
Farnborough	...	...	...	5 „
Orpington	...	...	...	4 „
St. Mary Cray	...	...	...	1 case
Mottingham	...	...	...	1 „
North Cray	...	...	...	1 „
St. Pauls Cray	...	...	...	1 „
Total	...	...	...	24 cases

The cases occurred at the following age-periods:—

1—5	5—15	25—65	
years.	years.	years.	
—	—	—	
3	20	1	= 24 cases

The disease was of a mild type and no deaths resulted.

**Enteric (or Typhoid) Fever.** Four non-fatal cases occurred—the same number as in 1903—at the following age periods:—

1—5	15—25	25—65	
years.	years.	years.	
—	—	—	
1	1	2	= 4 cases

One occurred at Mottingham in January and 1 in February; One at the Union Workhouse, Farnborough in July; and one at St. Mary Cray in August.

I made several communications to your Council during the year respecting matters referred to in a Report made to a Local Committee at Mottingham by Dr. Simpson. While I did not think that the facts bore out the conclusions arrived at, viz., that the

cases of typhoid occurring in Mottingham during several years past to an extent somewhat above the average were caused by the consumption of specifically infected milk, yet I specially considered that report and advised your Council to carry out as far as possible any suggestions which were practicable and likely to improve the conditions of the milk supplies, soil and water. Your Council had already settled for the better disposal of the storm water and a considerable improvement has been made in this respect during the past year; the Mottingham pond was thoroughly cleaned out in September at a cost £37 10s., part of the expense (£15) being borne by the Rev. Canon St. John on behalf of Mottingham House; improvements have been made at the dairy farms and a number of drains examined and reconstructed. This work will be further continued during the ensuing year.

I am glad to report that there has been no case of Typhoid Fever at Mottingham since February, 1904.

**Puerperal Fever.**—Two non-fatal cases occurred as compared with 1 in 1903, and arose 1 in January at Hayes, and 1 in July at St. Paul's Cray.

### NON-NOTIFIABLE DISEASES.

No deaths resulted from **Measles** during the whole of the year.

**Whooping-cough** caused 9 deaths—1 in February at Cudham, 1 in May at Keston, 2 in October at Orpington, 3 in November at Orpington, and 2 in December at Orpington. The patients' ages varied from 27 days to 5 years.

**Diarrhœa** was responsible for 10 deaths—1 in May at Keston, 3 in August (1 at St. Mary Cray, 1 at Chelsfield, and 1 St. Paul's Cray), 3 in September (1 at Cudham and 2 at Orpington), 1 in October at Hayes, 1 in November at St. Mary Cray, and 1 in December at Farnborough. Nine of the patients were infants under 1 year of age and 1 an adult female.

**Influenza** caused 3 deaths—1 in January at Downe, 1 in February at Orpington, and 1 in December at Farnborough, two of the patients being infants and one an adult male.

### HOSPITAL ISOLATION.

Fifty cases of infectious disease were treated at the Bromley and Beckenham Joint Hospital, and 2 at the Union Infirmary, Farnborough, consisting of 26 cases of Diphtheria, 22 cases of Scarlet Fever, 1 of Erysipelas, 2 of Enteric Fever, and 1 of Puerperal Fever.

They were admitted as follows:—

In January	...	7 cases	(3 Diphtheria, 4 Scarlet Fever).
„ February	...	1 case	(Enteric Fever).
„ March...	...	4 cases	(1 Diphtheria, 3 Scarlet Fever).
„ April ...	...	2 „	(Scarlet Fever).
„ May ...	...	2 „	(1 Diphtheria, 1 Scarlet Fever).
„ July ...	...	3 „	(1 Scarlet Fever, 1 Enteric Fever, and 1 Puerperal Fever).
„ September	...	4 „	(2 Diphtheria, 2 Scarlet Fever).
„ October	...	3 „	(Diphtheria).
„ November	...	19 „	(13 Diphtheria, 6 Scarlet Fever).
„ December	...	7 „	(3 Diphtheria, 3 Scarlet Fever, and 1 Erysipelas).
—			
Total...	...	52 cases	
—			

Of the total number of cases of infectious disease, 65 per cent. were removed to Hospital. Of those treated 19 were males and 33 females, the ages varying from 1 to 35 years.

### INSPECTIONS.

The district, which now includes 13 parishes, is divided into two parts for the purposes of inspection, viz. :—

No. 1 District (Mr. Nightingale) includes the parishes of:—

				Population at census of 1901.
Orpington	...	...	...	4259
St. Mary Cray	...	...	...	1894
Mottingham	...	...	...	1332
North Cray	...	...	...	661
St. Paul's Cray	...	...	...	1207
				—
				9353

No. 2 District (Mr. Dunlop) includes the parishes of:—

				Population at census of 1901.
Hayes	...	...	...	838
West Wickham	...	...	...	1328
Chelsfield	...	...	...	1522
Cudham	...	...	...	1111
Downe	...	...	...	610
Farnborough	...	...	...	2262
Keston	...	...	...	832
Knockholt	...	...	...	952
				—
				9455

In addition to visits of inspection to houses in which cases of infectious disease have occurred, I have accompanied the Sanitary Inspectors at one time or other in each branch of the sanitary work during the past year, particularly in reference to matters connected with dairies and cowsheds throughout the district, and to drainage in Mottingham, Knockholt, Keston, and St. Mary Cray.

The **Common Lodging House** (one only), the condition of the **Slaughterhouses**, and the **Dairies, Cowsheds and Milkshops** are dealt with in detail in the Sanitary Inspectors' Reports appended, many of which I have also personally inspected.

### FACTORY AND WORKSHOPS' ACT, 1901.

In No. 1 District there are on the register 12 factories and 54 workshops; in No. 2 District 3 factories and 72 workshops; making a total of 15 factories and 126 workshops in the whole of the Rural District of Bromley.

A considerable amount of work has been done under the Act during the past year, details of which are appended in the reports of the Sanitary Inspector for each part of the District and in the specially provided table.

### ELEMENTARY SCHOOL CLOSURES.

It was found necessary to recommend the closure of the following elementary schools for the periods and on account of the prevalence of the infectious disease set opposite each:—

National School, Cudham, February 8th to February 26th,  
Whooping-cough.

National School, Downe, April 11th to May 13th, Measles.

Fairchild's School, Warlingham, May 9th to May 27th,  
Measles.

The School, Keston, May 16th to June 6th, Whooping-cough.

Infants' School, Hayes, June 13th to July 8th, Whooping-cough.

National School, Knockholt, November 14th to November 18th, Diphtheria.

National School, Knockholt, December 1st to December 9th,  
Diphtheria.

### TUBERCULOSIS.

I asked your Council to consider the question of the Notification of Pulmonary Phthisis in the District, advocating the adoption of a voluntary system, and this being agreed to, I addressed the following circular letter to each registered medical practitioner in the District;—

“The Rural District Council of Bromley, being desirous  
“of, as far as possible, preventing the spread of Tuberculosis,

“propose to ask your co-operation in the adoption of a limited  
“system of voluntary notification of this disease.

“It is proposed to ask you to notify cases of well-developed  
“Pulmonary Phthisis (preferably confirmed by bacteriological  
“examination), in which, in your opinion, the disease is likely  
“to be conveyed to others by expectoration or otherwise; and  
“where such measures as the circulation of printed recommen-  
“dations, disinfection of the premises at intervals, cleansing, or  
“other sanitary measures, can be carried out or enforced with  
“advantage by the Council, with a view of effecting an im-  
“provement in the surroundings of the patients and the  
“protection of those coming in close contact with them.

“The Council propose to adopt from January 1st, 1905, a  
“system of voluntary notification of such cases, and to pay a  
“fee of 2s. 6d. for non-pauper cases, and 1s. for pauper cases  
“—chronic cases to be notified annually only.

“If in case of death a written intimation to the Sanitary  
“Inspector of the District by the medical attendant or rela-  
“tives, or other person in charge, stating that disinfection of  
“the sick room or other parts of the house is desired, such  
“disinfection will be carried out gratis by the Council’s  
“officers.

“For several reasons a compulsory system of notification  
“of this disease appears to be undesirable at the present time.  
“but the Council hope that something useful may be effected  
“by the above means.”

### REPORTS DURING YEAR.

I have made 19 reports to your Council during the year on various matters which have included several on the drains, water-courses, dairies, etc., at Mottingham; dairies and cowsheds at North Cray; condition of Lawrence Yard, St. Mary Cray; Perry Hall drainage, Orpington; slaughter-houses and cowsheds, West Wickham; piggeries, Ramsden, &c.

### CONDITION OF DISTRICT AT END OF YEAR.

A considerable diminution in the number of cases of infectious disease took place in December and at the end of the year the health of the District was in a satisfactory condition.

The reports of the work carried out by the Sanitary Inspectors, the tables of vital statistics required by the Local Government Board, and the table provided by the Secretary of State for recording action taken under the Factory and Workshops Act, 1901, are appended.

I have the honour to be, Gentlemen,  
Your obedient Servant,

March 20th, 1905.

JAMES SCOTT TEW.

Table 1.—For Whole District.

Year.	Population estimated to Middle of each Year.	Births.		Deaths under One 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.	Nett Deaths at all Ages belonging to the District.	
		Number.	Rate.*	Number.	Rate per 1,000 Births Registered.	Number.	Rate.*				Number.	Rate.*
1	2	3	4	5	6	7	8	9	10	11	12	13
1898	31,513	688	21·8	89	129	391	12·4	85	34	10	367	11·6
1899	32,220	759	23·3	106	142	444	13·7	106	39	21	426	13·2
1900	32,923	850	25·8	89	125	465	14·1	139	39	13	439	13·3
1901	24,625	642	26·0	59	91	325	13·1	100	55	8	278	11·2
1902	25,225	530	21·0	57	107	333	13·2	92	56	8	285	11·2
1903	19,287	511	26·4	48	93	289	14·9	108	51		238	12·3
Averages for Years 1898-1903.	27,632	663	24·0	74	114	374	13·5	105	45	12	338	12·1
1904	19,504	483	24·7	64	132	314	16·0	118	71	3	246	12·6

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

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

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

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

Area of District in acres (exclusive of area covered by water), 29,557.

At Census of 1901:—Total population at all ages, 24,625. Number of inhabited houses, 4,819. Average number of persons per house, 5.

Table 2.

Names of Localities.	Bromley Rural.				Beckenham Sub-Registered District.				Orpington Sub-Registered District.				Chislehurst Sub-Registered District.			
	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.
	<i>a.</i>	<i>b.</i>	<i>c.</i>	<i>d.</i>	<i>a.</i>	<i>b.</i>	<i>c.</i>	<i>d.</i>	<i>a.</i>	<i>b.</i>	<i>c.</i>	<i>d.</i>	<i>a.</i>	<i>b.</i>	<i>c.</i>	<i>d.</i>
1900	32,923	850	439	89	1,617	21	17	6					4,390	43	20	5
1901	24,625	642	278	59	2,166	40	11	1	13,442	356	151	28	9,017	246	116	30
1902	25,225	530	285	57	2,174	49	24	3	13,597	355	178	41	9,454	126	83	13
1903	19,287	511	238	48	2,189	53	23	7	13,749	369	177	30	3,349	89	38	11
Averages of Years 1900-1903.	25,515	633	310	63	2,036	40	18	4	13,596	360	168	33	6,552	126	64	14
1904	19,504	483	246	64	2,199	43	27	4	13,888	347	176	52	3,417	93	43	8

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. Block 1, may, if desired, be used for the whole district; and blocks 2, 3, etc., for the several localities. In small districts without recognised divisions of known population this Table need not be filled up.

(b) Deaths of residents occurring in public institutions beyond the district are to be included in sub-columns *c* of this table, and those of non-residents registered in public institutions in the district excluded. (See note on Table I. as to meaning of terms "resident" and "non-resident.")

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

(d) Care should be taken that the gross totals of the several columns in this Table respectively equal the corresponding totals for the whole districts in Tables I. and IV.: thus the totals of sub-columns *a*, *b*, and *c* should agree with the figures for the year in the columns 2, 3, and 12, respectively, of Table I.; the gross total of the sub-columns *c* should agree with the total of column 2 in Table IV., and the gross total of sub-columns *d* with the total of column 3 in Table IV.

**Table 3.**—Cases of infectious Disease Notified during the Year 1904.

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.						Beckenham.	Orpington.	Chislehurst.	Beckenham.	Orpington.	Chislehurst.
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.						
Small-pox ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cholera ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria ..	29	..	11	14	3	1	..	1	28	..	1	25	..
Membranous croup	1	..	1	..	..	..	..	..	1	..	..	..	..
Erysipelas ..	19	..	1	2	1	11	4	..	17	2	..	1	..
Scarlet Fever ..	24	..	3	20	..	1	..	2	19	3	..	19	3
Typhus Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric Fever ..	4	..	1	..	1	2	..	..	2	2	..	1	1
Relapsing Fever..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever..	2	..	..	..	1	1	..	1	..	1	..	..	1
Plague ..	..	..	..	..	..	..	..	..	..	..	..	..	..
* ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals ..	79	..	17	36	6	16	4	4	67	8	1	46	5

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

State in space below the name of the isolation hospital, if any, to which residents in the district, suffering from infectious disease, are usually sent. Mark (H) the locality in which it is situated, or if not within the district, state where it is situated, and in what district. Mark (W) the locality in which a workhouse is situated.

\* This space may be used for record of other disease the notification (compulsory or voluntary) of which is in force in the district.

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

Bromley and Beckenham Joint Isolation Hospital, Bromley Common, Bromley Urban District.

**Table 4.**—Causes of, and Ages at, Death during 1904.

Causes of Death.	Deaths in whole District at subjoined Ages.							Deaths in Localities (at all ages).			Total Deaths whether of residents or non-residents in Public Institutions in the District.
	All ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Becken-ham.	Orping-ton.	Chisle-hurst.	
Small-Pox .. .. .	...	...	...	...	...	...	..	...	...	...	...
Measles .. .. .	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever .. .. .	...	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza ..	3	...	2	...	...	...	1	...	3	...	...
Whooping-cough ..	9	6	2	1	...	...	...	...	9	...	...
Diphtheria, Membranous Croup .. ..	3	1	1	1	...	...	...	...	3	...	...
Croup .. .. .	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea, Dysentry..	10	9	...	...	...	1	...	1	8	1	1
Epidemic or Zymotic Enteritis.. .. .	8	5	3	...	...	...	...	2	5	1	...
Enteritis .. .. .	7	4	2	...	1	...	...	...	5	2	...
Other continued fevers	...	..	...	...	...	...	...	...	...	...	...
Puerperal Fever ..	...	...	...	...	...	...	...	...	...	...	...
Other septic diseases	1	...	...	...	...	1	...	1	...	..	2
Tuberculosis of Meninges .. .. .	4	1	3	...	...	...	...	...	4	...	1
Tuberculosis of Lungs	14	...	1	2	2	8	1	2	9	3	9
Other forms of Tuberculosis .. .. .	2	1	...	1	...	...	...	...	1	1	1
Alcoholism .. .. .	1	...	...	...	...	1	...	...	1	...	3
Cancer.. .. .	21	...	1	...	...	13	7	...	17	4	12
Premature Birth ..	7	7	...	...	...	...	...	...	7	...	...
Developmental Diseases .. .. .	14	14	...	...	...	...	...	1	12	1	2
Old Age .. .. .	32	...	...	...	..	...	32	5	18	9	49
Meningitis.. .. .	2	...	...	1	1	...	...	...	1	1	...
Inflammation and Softening of Brain..	2	1	...	...	...	...	1	...	2	...	3
Organic Diseases of Heart .. .. .	27	...	...	...	1	15	11	1	23	3	5
Acute Bronchitis ..	7	4	1	...	...	1	1	3	2	2	1
Chronic Bronchitis ..	6	1	...	...	...	2	3	1	4	1	3
Lobar (Croupous) Pneumonia .. .. .	7	3	3	...	...	...	1	1	5	1	..
Lobular (Broncho-) Pneumonia .. .. .	6	...	1	1	...	2	2	1	5	...	3
Diseases of Stomach	...	...	...	...	...	...	...	...	...	...	...
Obstruction of Intestines.. .. .	3	...	...	...	...	3	...	1	1	1	1
Cirrhosis of Liver ..	2	..	...	...	...	2	...	...	1	1	...
Nephritis and Bright's Disease .. .. .	8	...	...	...	...	4	4	2	5	1	3
Tumours and other Affections of Female Genital Organs ..	2	...	...	1	...	1	...	1	...	1	1
Accidents & Diseases of Parturition ..	4	1	...	...	1	2	...	...	2	2	...
Deaths by Accident or Negligence .. .. .	7	...	1	1	3	2	...	1	2	4	3
Deaths by Suicide ..	4	...	...	...	...	4	...	2	2	...	...
Deaths from Ill-defined causes .. .. .	...	...	...	...	...	...	...	...	...	...	1
All other causes.. ..	23	6	1	1	...	10	5	1	19	3	14
All causes .. .. .	246	64	22	10	9	72	69	27	176	43	118

# Annual Report of Medical Officer of Health for 1904, for the Rural District of Bromley.

## FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES AND HOMEWORK.

### 1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
<b>Factories</b> ... .. (Including Factory Laundries.)	3		Nil.
<b>Workshops</b> ... .. (Including Workshop Laundries.)	190	16	"
<b>Workplaces</b> ... ..			
<b>Homeworkers' Premises</b> ... ..	4		"
<b>Total</b> ... ..	197	16	Nil.

### 2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecution.
	Found.	Remedied.	Referred to H. M. Inspector.	
<i>Nuisances under the Public Health Acts—*</i>				
Want of Cleanliness ... ..	61	61	Nil.	Nil.
Want of Ventilation ... ..				
Overcrowding ... ..				
Want of drainage to floors ... ..	3	3	"	"
Other nuisances ... ..				
‡Sanitary accommodation { insufficient ... .. unsuitable or defective ... .. (not separate for sexes ... ..				
<i>Offences under the Factory and Workshop Act—</i>				
Illegal occupation of underground bakehouse (S. 101)				
Breach of special sanitary requirements for bakehouses (SS. 97 to 100) ... ..				
Failure as regard lists of outworkers (S. 107)... ..				
Giving out work to be done (unwholesome (S. 108) ... in premises which are (infected (S. 110) ... ..				
Allowing wearing apparel to be made in premises infected by scarlet fever or smallpox (S. 109) ... ..				
Other offences ... ..				
<b>Total</b> ... ..	64	64	Nil.	Nil.

\*Including those specified in Sections 2, 3, 7 and 8, of the Factory Act as remediable under the Public Health Acts.

‡For districts not in London state here whether Section 22 of the Public Health Acts Amendment Act, 1890, has been adopted by the District Council; and if so what standard of sufficiency and suitability of sanitary accommodation for persons employed in factories and workshops has been enforced.

### 3.—OTHER MATTERS.

Class.	Number.	
Matters notified to H.M. Inspectors of Factories :—		
Failure to affix Abstract of the Factory and Workshop Act (S. 133) ...	2	
Action taken in matters referred by H.M. Inspectors as remediable under the Public Health Acts, but not under the Factory Acts (S. 5) {	Notified by H.M. Inspectors ... Reports (of action taken) sent to H.M. Inspectors	
Other ...		
Underground Bakehouses (S. 101) :—		
In use during 1903 ...		
Certificates granted {		
in 1903 ...		
in 1904 ...		
In use at the end of 1904 ...		
Homework :—		
<i>Lists of Outworkers*</i> (S. 107) :—		
Lists received ...	Lists.	Outworkers
Addresses of outworkers {	1	
forwarded to other Authorities ...		
received from other Authorities ...		
<i>Homework in unwholesome or infected premises</i> :—		
Notices prohibiting homework in unwholesome premises (S. 108)	Wearing Apparel;	Other.
Cases of infectious disease notified in homeworkers' premises		
Orders prohibiting homework in infected premises ...		
126		
Workshops on the Register (S. 131) at the end of 1904.		
Important classes of workshops, such as workshop bak'houses, may be enumerated here.	126	
Total number of workshops on Register ...		

\* The Lists should be received twice in the year. The year's figures required in the Table are then obtained by adding together the two half-yearly totals.

# BROMLEY RURAL DISTRICT COUNCIL.

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## No. 1 District.

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SANITARY INSPECTOR'S OFFICE,  
ORPINGTON,

*February 24th, 1905.*

*To the Chairman and Members of  
BROMLEY RURAL DISTRICT COUNCIL.*

GENTLEMEN,—

I have the honour to present to you my Annual Report for the year 1904.

The number of visits paid to the respective parishes in my district are as follows:—Orpington 190, St. Mary Cray 149, St. Paul's Cray 55, North Cray 34, Mottingham, 114.

**Complaints.**—Fifty-three complaints were received and investigated, the majority of which related to the removal of house refuse in the Parish of Orpington. I regret to say that the collection of house refuse in this parish was not carried out at all satisfactorily.

**Infectious Disease.**—During the year forty-two cases of Infectious Disease were notified, viz.:—Diphtheria 21, Erysipelas 8, Puerperal Fever 1, Scarlet Fever 8, Typhoid Fever 3, Membranous Croup 1, being a decrease of 10, as compared with the previous year. The locality of the cases was as follows:—Orpington 17, St. Mary Cray 17, St. Paul's Cray 3, North Cray 1, Mottingham 4.

An outbreak of Diphtheria occurred among the scholars at Crocken Hill School in November, and twelve children from the Stones Cross district contracted the disease.

**Disinfection.**—Twenty-nine rooms were either fumigated with sulphur di-oxide, or sprayed with formaldehyde, the clothing and washing articles being soaked in a 2 per cent. solution of formaldehyde or izal fluid.

**Drain Testing.**—The drains of 51 houses have been examined and tested either with smoke or water, and in most instances found defective. Out of this number it was found necessary to entirely reconstruct the drainage of 26 houses.

All new work in connection with the above was submitted to a severe water test before being covered in.

**Overcrowding.**—Two cases of overcrowding were discovered and abated without notice.

**Fruit Pickers' Shelters.**—The temporary shelters were visited frequently during the fruit and hop-picking season. Two cases of overcrowding were found by me, and abated after verbal notice. The majority of the people who occupy these shelters have no respect for cleanliness, but fortunately only one case of infectious disease occurred among them during the season.

**Common Lodging House.**—Twenty-one visits were made to the common lodging house at Ford Croft, and I have at all times found the house clean and well ordered.

**Slaughter Houses.**—There are eight of these in my district, all of which are registered, and six are licensed from year to year. The one occupied by Mr. F. Strouts is so structurally defective that it is almost impossible to put the building in a sanitary condition. Arrangements have recently been made between owner and occupier for the erection of a new slaughter house, and plans are being prepared for that purpose.

Thirty-five visits were made to the respective slaughter houses and I found the bye-laws were complied with.

**Factory and Workshops Act, 1901.** A new register under this Act is now compiled. It contains entries of 12 factories and 54 workshops.

There are 12 Bakehouses in the District which were visited periodically, and although many of them are not modern in construction, special attention has been given with regard to cleanliness.

One complaint of neglect or default was received from the Factory Inspector. This referred to dirty walls, etc., of a Wheelwright's Shop and Blacksmith's Forge. The necessary lime-washing was carried out by the occupier after written notice to do so.

**Dairies, Cowshed, and Milkshops.** A large amount of work has been done in this direction, especially at Mottingham in which parish a considerable quantity of milk is produced. During the year 100 visits were paid to the different cowsheds, 26 of such visits being in company with your Medical Officer of Health. The regulations with respect to drainage, cleanliness, ventilation, and water supply were strictly enforced.

**Insanitary Dwellings.** In my report for 1903 I referred to the houses in Lawrence Yard, St. Mary Cray. Several of the houses have been vacant during the greater part of the year, but those that are occupied remain in the same or even a worse condition than before, although notice has been served on the owners to carry out necessary requirements.

**River Cray.** I have made periodical visits to various parts of the river in your District, and have found the stream fairly satisfactory.

### SUMMARY OF WORK DONE.

Number of complaints received	...	...	53
Number of nuisances discovered	...	...	127
Number of statutory notices served...	...	...	22
Number of nuisances abated without notice			102
Number of letters, reports, and school notices sent	...	...	546
Houses at which drains were tested	...	...	51
Houses at which drains were defective	...	...	50
Number of sectional tests new work	...	...	81
New w.c. pans provided	...	...	41
New dust bins provided	...	...	53
New cesspools made	...	...	1
Foul accumulations removed	...	...	10
Houses cleansed and repaired	...	...	35
Number of back yards paved	...	...	9
Houses supplied with water from main	...	...	1
Overcrowding cases abated	...	...	2
Cowsheds, slaughter-houses, and bakehouses cleansed	...	...	30
Water laid on to w.c.s	...	...	8
Number of workshops visited	...	...	54

I have the honour to be, Gentlemen,

Your Obedient Servant,

HENRY NIGHTINGALE,  
(Assoc. & Cert. Royal San. Inst.),  
*Sanitary Inspector.*

# BROMLEY RURAL DISTRICT COUNCIL.

## No 2 District

OFFICE OF SANITARY INSPECTOR,  
FARNBOROUGH, R.S.O.,  
KENT.

March 3rd, 1905.

*To the Chairman and Members of  
BROMLEY RURAL DISTRICT COUNCIL.*

GENTLEMEN,—

I have the honour to present to you my Annual Report for the year 1904.

The number of visits made in the several parishes is as follows:—Chelsfield 60, Cudham 45, Downe 44, Farnborough 112, Hayes 42, Keston 66, Knockholt 40, and West Wickham 118.

**Complaints.**—Fifty-four complaints were received and investigated; of these 32 related to cesspools, and 22 to defective drainage.

**Water Supply.**—Thirteen houses were found to be without an available supply of wholesome water, and these (together with thirty others) outstanding in my last report have been connected with the Company's water main.

**Infectious Disease.**—Thirty-seven cases of infectious disease were dealt with, viz., Scarlet Fever 16, Erysipelas 11, Diphtheria 8, Enteric Fever 1, Puerperal Fever 1.

It was found necessary to disinfect 26 rooms; the fumigation was carried out with formalin, the clothing, &c., being disinfected with a solution of perchloride of mercury.

Upon investigating a fatal case of Diphtheria at Farnborough, it was proved that the patient (a child) contracted the disease from a cat.

**Drainage and Drain Testing.**—The drainage of eighty-two houses has been examined and tested. With the exception of four, it was found necessary to reconstruct same. The work in connection therewith has been carried out under my supervision.

**Dairies, Cowsheds, and Milkshops' Order of 1885.**—There are 12 persons carrying on the trade of cow-keepers, and who are registered under the above Order.

The cowsheds were limewashed twice during the year, and at "Woodlands" and "Coney Hall" Farms, West Wickham, new systems of drainage, &c., have been carried out in accordance with the regulations.

**Bakehouses.**—There are 16 registered Bakehouses; they have all been limewashed twice during the year as required by Section 99 of the Factory and Workshops' Act, 1901.

The occupier of one has been called upon to cleanse the premises twice during the year in addition to the limewashing above mentioned as the premises were found dirty and generally unsatisfactory.

**Slaughter-houses.**—There are six licensed slaughter-houses, and the general cleansing, &c., has been duly carried out in accordance with the Bye-laws.

**Fruit-Pickers' Shelters.**—Thirty-four visits were paid to the different fruit-pickers' shelters during the fruit-picking season, and the Bye-laws were duly complied with.

I have to again report that several of the "shelters" at Court Lodge Farm, Chelsfield, were allowed to be occupied during the winter months, and that the owners would not close them until they were absolutely compelled to do so.

Notice has been served requiring the owners to carry out the necessary cleansing and limewashing before allowing the "shelters" to be re-inhabited and such notice will be strictly enforced.

**Factories and Workshops.**—Special attention has been given to premises of this character during the year to see that the provisions of the 1901 Act are observed.

Seventy-two Workshops and three Factories have been inspected, and where limewashing and cleansing was required it was carried out after verbal or written notice.

Two new wash-houses have been built at "Cedar" and "Allems" Laundries, Farnborough.

No Complaint was received from the Home Office. The list of domestic Factories or Workshops is being added to as they come under notice to be forwarded to the District Factory Inspector from time to time as required by the Home Office.

The Register contains entries of Factory and Workshops as follows :—

Parish.	Factories	Workshops.
Chelsfield ... ..	—	9
Cudham ... ..	—	4
Downe ... ..	—	5
Farnborough ... ..	3	16
Hayes ... ..	—	9
Keston ... ..	—	9
Knockholt ... ..	—	11
West Wickham ... ..	—	9
Totals ... ..	3	72

### SUMMARY OF WORK DONE.

Number of complaints received and investigated ... ..	50
Nuisances discovered and abated ... ..	224
Preliminary notices served and complied with	24
Statutory notices served and complied with	10
Number of nuisances abated without notice	190
Number of letters written, reports made and school notices sent ... ..	662

### CHARACTER OF WORK DONE.

Number of houses cleansed and repaired ...	44
Houses supplied with water from the Company's main ... ..	43
Houses where drains were examined and tested ... ..	82
Houses at which drains were found to be defective ... ..	78
Houses at which drains were trapped ...	40
Inspections made in course of work (new drains) ... ..	164
Overcrowding cases abated ... ..	2
Number of water closets provided ... ..	20
Number of earth closets provided ... ..	24
Number of dust bins provided ... ..	32
Number of cesspools cleansed ... ..	200
Number of new cesspools provided (water-tight) ... ..	18
Number of privies cleansed ... ..	36
Urinals cleansed and lime-washed ... ..	28
Offensive accumulations removed ... ..	24
Infected houses fumigated and cleansed ...	26

In conclusion I beg to state that a large amount of sanitary improvement work has been carried on throughout the District during the year with very little friction, owners of properties being advised to effect improvements rather than being compelled.

I may state that it was only found necessary to serve statutory notices for the abatement of nuisances or remedying sanitary defects in 10 cases, the greater part of the work being carried out after personal interview or letter to the persons concerned.

I have the honour to be, Gentlemen,

Your Obedient Servant,

ANDREW DUNLOP,

(Assoc. and Cert. San. Inst.)

*Inspector of Nuisances.*