

[Report of the Medical Officer of Health for Romford RDC].

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Romford Rural District Council.

❁ ANNUAL REPORT ❁

OF THE

Medical Officer of Health,

1909.

To the Romford Rural District Council.

GENTLEMEN,

I have the honour to put before you my Annual Report on the Sanitary Condition of the Romford Rural District, for the year ending December 31st, 1909.

In accordance with the plan adopted in previous Reports, this Report is arranged in the following divisions:—

- I. Summary of Action taken during the year for Preventing the Spread of Disease.*
- II. An account of the Sanitary Condition of the District generally.*
- III. Statement of Enquiries made into Conditions Injurious to health, and Proceedings thereon.*
- IV. Table of Sickness and Mortality.*

Summary of Action taken during the year for preventing the spread of disease.

No.	Date.	Locality.	Disease.	Source of Disease. Action Taken.	Result.
1	Jan. 1	North Hornchurch	Scarlet Fever ..	One case. Removed	No other case
2	„ 2	Rainham ..	Scarlet Fever ..	One case. Removed	No other case
3	„ 5	Wennington ..	Diphtheria ..	One case. Foul local sanitary condition. Remedied	No other case
4	„ 5	Beacontree Heath ..	Diphtheria ..	Ditto	No other case
5	„ 9	North Hornchurch	Diphtheria ...	Ditto	No other case
6	„ 10	North Hornchurch	Scarlet Fever ..	One case. Removed	No other case
7	„ 11	Dagenham ..	Diphtheria ..	Ditto	No other case
8	„ 13	North Hornchurch	Diphtheria ..	Ditto. Dubious case	
9	„ 17	North Hornchurch	Scarlet Fever ..	One case	See No. 12
10	„ 17	Chadwell Heath ..	Scarlet Fever ..	Ditto. Isolated at home	
11	„ 19	North Hornchurch	Diphtheria ...	One case	
12	„ 20	North Hornchurch	Scarlet Fever ...	One case. Infected by No. 9	
13	„ 21	Chadwell Heath ...	Scarlet Fever ...	One case. Removed. Imported	See No. 15
14	„ 30	Havering ..	Diphtheria ..	One case. Bad sanitary condition. Remedied. Removed	No further case

15	Jan.	27	Chadwell Heath ..	Scarlet Fever ..	One case. Removed. Infected by No 13	
16	"	27	South Hornchurch	Scarlet Fever ..	One case. An unremoved case next daor a month ago. Removed	No further case
17	"	29	Rainham ..	Scarlet Fever ..	A convalescent case. now peeling. Removed	See No. 25
18	"	30	Chadwell Heath ..	Scarlet Fever ..	One case. Infected by No. 13. Removed	No other case
19	"	31	Dagenham ..	Scarlet Fever ..	One case. Removed	No other case
20	Feb. 1 & 2		North Hornchurch	Diphtheria ..	Three cases. Drain insanitary. Removed	No other case
21	"	2	Havering ..	Diphtheria ..	One case. Ditto	No other case
22	"	13	Wennington ..	Scarlet Fever ..	Two cases, infected at school. Removed	No other case
23	"	15 and 18	South Hornchurch	Diphtheria ..	Two cases. Drains bad. Remedied. Removed	No other case
24	"	17	Beacontree Heath..	Scarlet Fever ..	One case. Infection imported. Removed	No other case
25	"	18	Rainham ..	Scarlet Fever ..	One case, infected by No. 17. Removed	No other case
26	"	22 23 and 24	Dagenham, South Hornchurch	Diphtheria ..	Three notified cases, not confirmed by bacteriological examination	
27	Mar.	1	Beacontree Heath..	Scarlet Fever ..	One case, Infection supposed to have occurred at school from children of a family where scarlet fever had occurred. Children not removed. Removed	No other case

No.	Date.	Locality.	Disease.	Source of Disease. Action taken.	Result.
28	March 1	Beacontree Heath..	Scarlet Fever ..	One case same as No. 27	No other case
29	„ 1	Beacontree Heath..	Scarlet Fever ..	Ditto	No other case
30	„ 3	North Hornchurch	Scarlet Fever ..	Three cases in one family. Removed	No other case
31	„ 10	North Hornchurch	Scarlet Fever ..	Two cases. Removed	
32	„ 12 to 20	North Hornchurch	Scarlet Fever ..	Six cases in different families all attending Park Lane School. Children at school examined but found to be clear. All cases removed	No other case
33	„ 9	Hornchurch Village	Scarlet Fever ..	One case. Presumably infected at a "Band of Hope" meet- ing where children from North Hornchurch were present. Removed	
34	„ 15	Dagenham ..	Diphtheria ..	One case. Removed. Bad drains. Remedied.	No other case
35	„ 12	Hornchurch ..	Scarlet Fever ..	One case. Removed. A play- mate of No. 33.	Ditto
36	„ 21	Dagenham ..	Scarlet Fever ..	One case. Removed.	Ditto
37	„ 25	Chadwell Heath ..	Scarlet Fever ..	Ditto. A case previously in this house. Not removed.	Ditto
38	„ 26	South Hornchurch	Diphtheria ..	One case. Removed	Ditto

39	March 27	Dagenham	..	Scarlet Fever	..	One case. Now peeling. Removed	No other case
40	„ 27	Dagenham	..	Scarlet Fever	..	Ditto. Infected by previous case	Ditto
41	„ 31	Rainham	..	Scarlet Fever	..	Three cases, Presumably infected by an unrecognised case. Removed	Ditto
42	April 7	Cottage Homes	..	Scarlet Fever	..	One case. Removed to Homerton Hospital	
43	„ 6	Rainham	..	Diphtheria	..	One case. Faulty drain. Removed	Ditto
44	„ 7	Rainham	..	Scarlet Fever	..	One case. Infected by a previous case not removed. Removed	Ditto
45	„ 10	Dagenham	..	Scarlet Fever	..	One case. Attending the Beacontree Heath School where several cases had occurred. Removed	Ditto
46	„ 24	Rainham	..	Diphtheria	..	A dubious case	
47	May 5	Beacontree Heath..	..	Diphtheria	..	One case not removed as Measles was in the house	See No. 53
48	„ 5	Dagenham	..	Scarlet Fever	..	One case. Source of infection obscure. Removed	No other case
49	„ 11	Great Warley	..	Scarlet Fever	..	One case. Contracted in Brentwood. Removed.	Ditto
50	„ 14	Squirrels Heath	..	Scarlet Fever	..	Ditto	Ditto
51	„ 14	Beacontree Heath..	..	Diphtheria	..	One case. Foul ditch at back of house. Removed.	Ditto

No.	Date.	Locality.	Disease.	Source of Disease. Action Taken.	Result.
52	May 14	Hornchurch ..	Scarlet Fever .	A return case	
53	„ 15 and 16	Beacontree Heath..	Scarlet Fever ..	Three cases. Not removed owing to measles in the house. See No. 47	
54	June 8	Rainham ..	Scarlet Fever ..	One case. Imported from Wanstead. Removed	No other case
55	„ 18	Great Warley ..	Scarlet Fever ..	A dubious case	
56	„ 33	Rainham ..	Scarlet Fever ..	One case	
57	„ 24	Dagenham ..	Diphtheria ..	Two cases in adjacent house. Foul ditch	
58	„ 25	Rainham ..	Scarlet Fever ..	One case	
59	May 12	Great Warley ..	Scarlet Fever ..	Ditto. Contracted in Brentwood. Removed	Ditto
60	June 30	Dagenham ..	Diphtheria ..	Another case near No. 57. Removed.	
61	„ 30	Beacontree Heath..	Scarlet Fever ..	Two cases in adjoining houses. Infection by No. 52. Removed	Ditto
62	July 1	North Hornchurch	Diphtheria ..	One case. Faulty drain. Removed	Ditto
63	„ 3	North Hornchurch	Diphtheria ..	Ditto	Ditto
64	„ 10	Rainham ..	Scarlet Fever ..	One case. Infected by a previous case not removed	

65	July	10	Beacontree Heath ..	Diphtheria ..	One case. Foul ditch. Removed	No other case
66	„	11	Havering ..	Scarlet Fever ..	One case. Imported. Removed	Ditto
67	„	11	Dagenham ..	Scarlet Fever ..	Ditto	Ditto
68	„	11	Dagenham ..	Diphtheria ..	Two cases. Bad sanitary condition. Removed	See No. 70
69	„	15	Isolation Hospital..	Scarlet Fever ..	A nurse	
70	„	15	Dagenham ..	Diphtheria ..	One case in same house as No. 68. Removed	No other case
71	„	15	Rainham ..	Scarlet Fever ..	One case. Infected by a previous case not removed	
72	„	15	Ardleigh Green ..	Scarlet Fever ..	One case. Source of infection obscure. Removed	No other case
73	„	15	North Hornchurch	Diphtheria ..	One case. Faulty drain. Removed	No other case
74	„	27	Dagenham ..	Diphtheria ..	One case. Removed to Eastern Fever Hospital	No other case
75	„	31	Dagenham ..	Diphtheria ..	Three cases. Foul ditch at back of house	
76	Aug.	2	Dagenham ..	Diphtheria ..	One case. Fatal. Not removed	
77	„	6 & 7	Upminster ..	Scarlet Fever ..	Two cases in same family. Source of infection obscure. Removed.	No other case
78	„	24	North Hornchurch	Scarlet Fever ..	One case. Removed	No other case
79	„	25	Havering ..	Scarlet Fever ..	One case. Imported. Removed	No other case
80	Sept.	5	North Hornchurch	Scarlet Fever ..	One case. Source of infection obscure	

No.	Date.	Locality.	Disease.	Source of Disease. Action taken.	Result.
81	Sept. 20	North Hornchurch	Diphtheria ..	One case. Contracted away from home	
82	„ 11	Upminster ..	Scarlet Fever ..	One case. Source of infection obscure. Removed	No other case
83	„ 21	Dagenham ..	Diphtheria ..	Three cases (mild), in one house. Faulty drain	
84	Oct. 3	Havering ..	Diphtheria ..	One case. Faulty drain. Removed	No other case
85	„ 1	Rainham ..	Scarlet Fever ..	One case. Evidently infected by an unrecognised case next door. Removed	No other case
86	„ 4	Rainham ..	Scarlet Fever ..	One case. Contracted at Barking	
87	„ 2	Harold Wood ..	Scarlet Fever ..	One case. A boy employed at the Scarlet Fever Convalescent Home (West Ham). Removed to West Ham Hospital	
88	„ 8	Winkletye Lane ..	Diphtheria ..	One case. Bad sanitary condition. Removed	No other case
89	„ 14	North Hornchurch	Scarlet Fever ..	One case. Not removed	
90	„ 21	North Hornchurch	Scarlet Fever ..	One case. Infected by No. 89. Removed	No other case

91	„	21	Great Warley ..	Scarlet Fever ..	One case. Contracted in Brentwood. Removed subsequently on the mother becoming infected	No other case
92	„	24	Chadwell Heath ..	Scarlet Fever ..	One case. Removed	No other case
93	„	24	Dageuham ..	Diphtheria ..	One case. Removed. Bad drains	Ditto
94	Nov.	1	North Hornchurch	Scarlet Fever ..	One case. Removed	No other case
95	„	5	Great Warley ..	Scarlet Fever ..	One case. Infected by No. 91. Removed	No other case
96	„	4	North Hornchurch	Scarlet Fever ..	One case. Removed	No other case
97	„	7	North Hornchurch	Scarlet Fever ..	One case. Removed	No other case
98	„	7	Upminster ..	Scarlet Fever ..	One case. Source of infection obscure. Removed	No other case
99	„	9	Bennetts Castle Lane	Scarlet Fever ..	One case. Attended the Goodmayes School, where there have been several cases. Removed	No other case
100	„	9	Chadwell Heath ..	Scarlet Fever ..	One case. Attended school where a child was found to be in attendance desquamating after Scarlet Fever	
101	„	12 and 14	Upminster ..	Scarlet Fever ..	Two cases in one house. Source of infection obscure. Removed	No other case
102	„	17	Chadwell Heath ..	Scarlet Fever ..	One case. See No. 99. Removed	No other case
103	„	22	Upminster ...	Scarlet Fever ..	One case. A return case	

No.	Date.	Locality.	Disease.	Source of Disease. Action taken.	Result.
104	Nov. 28	Upminster	Scarlet Fever	One case. Source of infection obscure	
105	„ 29	Dagenham	Diphtheria	One case. Removed.	No other case
106	„ 26	Upminster	Scarlet Fever	Another case from same family as No. 103. Removed	
107	„ 29	Upminster	Scarlet Fever	Another case from same family as No. 103. Removed	
108	Dec. 1	Chadwell Heath	Diphtheria	One case. Dubious case. Removed	
109	„ 4	Chadwell Heath	Scarlet Fever	One case. Removed	No other case
110	„ 8	Upminster	Scarlet Fever	Another case from same family as No. 103. Removed	
111	„ 13	Upminster	Scarlet Fever	Another case from same family as No. 103. Removed	
112	„ 13	Upminster	Scarlet Fever	Another case from same family as No. 103. Removed	
113	„ 14	Harold Wood	Scarlet Fever	A child, probably infected by a brother who works at the West Ham Scarlet Fever Convalescent Home. Removed	No other case
114	„ 17	Upminster	Scarlet Fever	Another case from same family as No. 103. Removed	No other case
115	„ 24	Five Elms	Scarlet Fever	One case. A return case. Removed	No other case

During the year, 155 cases of infectious disease were notified, the number for the past three years being as follows:—

1907	...	...	...	406 cases
1908	...	...	...	289 cases
1909	...	...	...	155 cases

thus showing a considerable diminution during the past year.

The different diseases are thus tabulated:—

Scarlet Fever	...	...	96
Diphtheria	...	...	42
Erysipilas	...	...	14
Purpureal Fever	...	...	3
			—
			155
			—

104 of these cases were removed to the Isolation Hospital.

The following is a succinct account of the different infectious diseases requiring action by your sanitary officials during the year. In accordance with your instructions I have, since the time of receiving such instructions, visited every one notified for removal to the Isolation Hospital, before such removal, with the exception of a few instances of extreme urgency, where speedy removal was essential to the welfare of the patient, permission for such exceptions being granted by you, at my discretion. I think this practice has been a judicious one as it has enabled me to correct the diagnosis of some erroneously notified, and to obviate the removal of others which could be safely isolated at home, thus saving to a considerable extent the hospital expenses.

In all cases of infectious disease the rooms occupied by the patient, the bedding, etc., are disinfected by the Sanitary Inspectors after removal or recovery of the patient. In cases that have been treated at home, the bedding is removed after the patient's recovery, to the Hospital for disinfection, but in cases removed to the Hospital in the early stage of the disease, it is considered sufficient to remove the clothing actually worn by the patient, and to disinfect the bedding, etc., at home.

Small Pox.—No case of this disease was notified during the year.

Scarlet Fever.—96 cases were notified. This disease unusually prevalent in the neighbourhood of London during the past few years, has been much less so in this district than in the previous two years, the degree in which it has occurred in the various parishes of the district being as under :—

Dagenham	...	...	...	36
Hornchurch	...	...	...	30
Havering	...	...	...	1
Upminster, Cranham, and Corbets Tey				11
Great Warley	...	...	...	4
Rainham and Wennington	...	...	...	14
				—
			Total ...	96
				—

N.B.—The number of cases in the parish of Hornchurch comprises those occurring in the North-West part of the parish, forming practically part of the town of Romford. Hornchurch itself and the immediate neighbourhood being unusually free from this disease.

Enteric Fever.—No case of this disease occurred in the district during the year.

Diphtheria.—42 cases were notified, in the different parishes as under :—

Dagenham	...	...	24
Hornchurch	...	...	13
Havering	...	...	2
Rainham and Wennington	...	...	3
			—
		Total	42
			—

The same remarks as to the comparative immunity of Hornchurch from this disease during the year apply as in the case of Scarlet Fever.

Infantile Diarrhœa. was, as in the previous year, unusually absent during 1909.

The subjoined table shows the degree in which infectious disease prevailed in the various parishes of the district.

Phthisis.—This disease, which was recently made a notifiable one, in the case of paupers, is not very prevalent in this District. The practice is, in those cases which are brought under official notice, to disinfect houses where patients suffering from this disease have died or have been removed. The following table shows the distribution of infectious diseases in the several parishes of the district.

	Dagenham, Becontree and Chadwell Heaths	Havering.	Hornchurch.	Upminster, Cranham, and Corbets Tey.	Great Warley.	Rainham and Wennington.
Scarlet Fever	36	1	30	11	4	14
Diphtheria	24	2	13	...	...	3
Enteric Fever .....	...	...	...	...	...	...
Puerperal Fever	1	...	1	...	...	1
Erysipelas	6	...	5	...	1	2
	67	3	49	11	5	20

II.—An Account of the Sanitary Condition of the district at the end of 1909.

In complying with this section of the Local Government Board's instructions to Medical Officers of Health, I proceed to give, as in former years, a short account of the sanitary state of the district, under the same heads of localities as are given in the statistical table.

DAGENHAM, BEACONTREE AND CHADWELL HEATH.—Villages and scattered groups of houses, all situate in the parish of Dagenham, and occupying a very wide area, standing on gravel and London clay, some (part of Dagenham Village and immediate neighbourhood) on alluvium. Population estimated 7,550. Mainly agricultural, some

(Dagenham Village) employed in a large telephone factory, and some on river-side labour. At Chadwell Heath an increasing number of residents employed in London. Water supply mainly from South Essex Water Company.

The system of sewerage for these localities is now completed, and the house connections are being made. I anticipate a great improvement in the sanitary condition here in the immediate future, now that this system has been at length successfully completed, after much anxious action on the part of the Council for a long time past. Scavenging is done by the Council's Contractors, and pail-closets will be abolished and w.c.'s substituted, as the house connections are being made. Birth Rate, 34.1. Death Rate, 11.9. Death Rate from Zymotic Disease, 0.6.

HORNCHURCH.—Large village and scattered groups of houses extending over a large parochial area. Part of the parish adjoining and actually forming part of the town of Romford. Stands mostly on gravel, partly on clay, and some small part, running down to the river Thames on alluvium. Population (estimated) 8,500. Principally agricultural. Foundry and brewery in the village, and an increasing number of residents having their occupation in London. Birth-rate, 24.5. Death-rate, 9.8. Death-rate from zymotic disease, nil.

Diphtheria and Scarlet Fever prevailed to a considerable extent but mainly in the North-West part of the parish, which actually forms part of the town of Romford. Scarlet Fever was mainly caused by personal infection from neighbours, the part of Romford near being similarly affected. Thanks to the help of our Isolation Hospital, the disease did not assume an epidemic character. Diphtheria, too, was prevalent to a considerable extent, and I fear that the prevalence of this disease must, to a large extent, be connected with faulty house drains. In my last year's report I mentioned that the Council had instructed the Sanitary Inspector to test all the drains in thickly-populated parts of the parish, but, unfortunately, this was stopped by a magisterial decision given against the Council in a case where an owner was proceeded against for refusing his drains to be tested, so that this can only now be done where a nuisance is suspected to exist, or where infectious disease has occurred. In such cases it has almost invariably been found that the sewerage arrangements were faulty.

UPMINSTER, CRANHAM, AND CORBETS TEY.—Adjoining villages standing on high ground. Mostly brick earth, some gravel. Population 2,410. Birth-rate, 15·4. Death-rate, 7·9. Death-rate from zymotic disease, Nil. A large estate for good-class residences being now developed, many houses having been erected during the last two or three years. Water supply mainly from South Essex Co. Some outlying parts formerly badly supplied by private wells and ponds have recently been supplied by an extension of the South Essex Co.'s mains.

GREAT WARLEY stands high on London clay. The most thickly populated part of the parish forms part of the town of Brentwood, the large and less populated area having scattered houses and groups of houses. Population, 2,380. Agricultural. Water supply mainly from South Essex Water Company. Birth-rate, 23·5. Death-rate, 7·5. Death-rate from zymotic disease, Nil.

RAINHAM AND WENNINGTON lie low on gravel and alluvium at the edge of the Thames. Marshy. Villages of 2,520 inhabitants, employed in agriculture, factory, and riverside work. Tidal stream runs through Rainham to the Thames, about a mile distant. Birth-rate, 28·1. Death-rate, 16·5. Death-rate from zymotic disease, 0·3. Rainham, in years past, has borne an unenviable reputation for infectious disease, notably Diphtheria. There has been a marked improvement the last few years in this respect, and the village has been much improved by the Council making several incompleated roads into roads of the first order.

NOAK HILL stands high on London clay. Population, 264. Agricultural. Water supply indifferent, the water area being very difficult to tap. Several boring attempts in recent years having failed to obtain supplies. Birth-rate 7·5. Death-rate, 7·5. Death-rate from zymotic disease, Nil.

HAVERING stands high on pebble sand, bounded by London clay. Population 440. Agricultural and good-class residents. Birth-rate, 18·4. Death-rate, 18·4. Death-rate from zymotic diseases, Nil. Water supply much improved by the extension of the South Essex Co.,s mains to this district.

N.B.—The death-rate in such sparsely populated localities is no index of the salubrity of such locality.

III.—An account of the enquiries as to the conditions injurious to health existing in the district, and of the proceedings relating to such conditions in which advice has been given, &c., &c.

In addition to the cases of infectious diseases recorded in Section II of this report, the following insanitary conditions, &c., necessitated official interference by the Sanitary Inspectors, who called in my assistance when necessary. These instances of nuisances, &c. are included in the list detailed in a later portion of this report.

DAGENHAM, BEACONTREE AND CHADWELL HEATHS.

Jan. 5th.—Dagenham, Station Road.—Six dilapidated houses.—Notice. Repaired.

Jan. 5th.—Dagenham.—Seven houses in bad sanitary condition. Notice. Remedied.

Jan. 8th.—Dagenham Village.—Collection of manure, causing a nuisance. Notice. Removed.

Jan. 11th.—Ditto.—Filthy premises. Notice. Remedied.

Jan. 11th.—Ditto.—Cesspool overflowing into watercourse. Notice. Remedied.

Jan. 13th.—Ditto.—Foul ditch. Notice. Cleansed.

Jan. 15th.—Chigwell Road.—Cesspool close to houses, not ventilated, and causing a nuisance. Inspection chamber faulty, and defective w.c. Notice. Remedied.

Jan. 18th.—Dagenham Village.—Damp premises owing to defective gutters. Notice. Remedied.

Jan. 20th.—Ditto.—Swine kept so as to be a nuisance, and accumulation of manure. Notice. Remedied.

Jan. 20th.—Ditto.—Van used as a dwelling, with no sanitary accommodation. Notice. Removed.

Jan. 21st.—Ditto.—Four houses not drained. Notice. Remedied.

Jan. 23rd.—Dagenham Village —Escape of sewer gas into house.
Notice. Remedied.

Jan. 27th.—Ditto.—Foul ditch. Notice. Cleansed.

Jan. 29th.—Ditto.—Bad water supply to house. Notice. Remedied.

Jan. 29th.—Ditto.—Blocked drain. Notice. Remedied.

Feb. 1st.—Ditto.—Swine kept so as to be a nuisance. Notice.
Removed.

Feb. 2nd.—Ditto.—A house with defective sanitary arrangements.
Notice. Remedied.

Feb. 2nd.—Beacontree Heath.—Foul ditch. Notice. Cleansed.

Feb. 3rd.—Dagenham Village.—Eight houses in bad sanitary con-
dition. Notice. Remedied.

Feb. 3rd.—Ditto.—Accumulation of manure. Notice. Removed.

Feb. 4th.—Ditto.—Foul ditch. Notice. Cleansed.

Feb. 4th.—Ditto.—Foul ditch. Notice. Cleansed.

Feb. 11th.—Station Road, Dagenham.—Eight houses damp, yards
unpaved and dirty. Notice. Remedied.

Feb. 11th.—Ditto.—Six ditto do. do.

Feb. 15th.—Dagenham Village.—Eight houses with defective sani-
tary accommodation. Notice. Remedied.

Feb. 15th.—Ditto.—Four ditto do. do.

Feb. 24th.—Beacontree Heath.—Foul ditch. Notice. Cleansed.

Feb. 24th.—Ditto.—Foul ditch. Notice. Cleansed.

- Mar. 5th.—Dagenham Village.—Insanitary premises. Notice. Cleansed.
- Mar. 11th.—Ditto.—Foul ditch. Notice. Cleansed.
- Mar. 15th.—Ditto.—Six damp and dilapidated houses. Notice. Remedied.
- Mar. 15th.—Ditto—Accumulation of manure. Notice. Removed.
- Mar. 17th.—Ditto.—Foul ditch. Notice. Cleansed.
- Mar. 25th.—Beacontree Heath.—Accumulation of refuse. Notice. Removed.
- Mar. 25th.—Ditto.—Foul ditch. Notice. Cleansed.
- Mar. 29th.—Dagenham Village.—Blocked drain. Notice. Cleansed.
- Mar. 29th.—Beacontree Heath.—Three foul ditches. Notice. Cleansed.
- Mar. 31st.—Dagenham Village.—Defective Cesspool. Notice. Cleansed.
- April 6th.—Ditto.—Two houses with bad sanitary arrangements and defective water supply. Notice. Remedied.
- April 17th.—Chigwell Road.—Cesspool close to house and bad sanitary arrangements. Notice. Remedied.
- April 14th.—Chadwell Heath.—Blocked drain. Notice. Remedied.
- April 17th.—Dagenham.—Four foul ditches. Notice. Remedied.
- April 19th.—Beacontree Heath.—Foul ditch. Notice. Remedied.
- April 19th.—Ditto.—Swine kept so as to be a nuisance. Notice. Remedied.
- April 20th.—Five Elms.—Foul ditch. Notice. Remedied.

April 21st.—Dagenham Village.—Damp premises owing to defective gutter. Notice. Remedied.

April 21st.—Ditto.—Ditto do. do.

April 21st.—Ditto.—Ditto do. do.

April 23rd.—Ditto.—Defective cesspool. Notice. Remedied.

April 23rd.—Ditto.—Foul ditch. Notice. Remedied.

May 3rd.—Beam Bridge.—Shed occupied as a dwelling, no sanitary arrangements. Notice. Remedied.

May 3rd.—Ditto.—Privy pit defective. Notice. Remedied.

May 5th.—Dagenham.—Insanitary cowshed. Notice. Remedied.

May 5th.—Dagenham.—Insanitary cowshed. Notice. Remedied.

May 7th.—Beacontree Heath.—Foul ditch. Notice. Remedied.

May 10th.—Dagenham Village.—House unfit for occupation. Notice. Remedied.

May 17th.—Ditto.—Ditto do. do.

May 17th.—Ditto.—Foul ditch. Notice. Remedied.

May 24th.—Beacontree Heath.—Filthy premises, defective drain and foul ditch. Notice. Remedied.

May 26th.—Chadwell Heath.—Blocked drain. Notice. Remedied.

May 28th.—Beacontree Heath.—Foul ditch. Notice. Remedied.

May 29th.—Dagenham.—Foul ditch. Notice. Remedied.

June 2nd.—Ditto.—Six houses unfit for occupation. Notice. Remedied.

June 2nd.—Ditto.—Foul ditch. Notice. Remedied.

June 2nd.—Beacontree Heath.—Foul ditch. Notice. Remedied.

- June 15th.—Dagenham.—Undrained stables., animals kept so as to be a nuisance. Notice. Remedied.
- June 21st.—Beacontree Heath.—Two houses insanitary. Notice. Remedied.
- June 21st.—Ditto.—Foul ditch. Notice. Remedied.
- June 25th.—Chadwell Heath.—Accumulation of manure. Notice. Remedied.
- June 28th.—Dagenham.—Blocked drain. Notice. Remedied.
- June 30th.—Dagenham, Chequers Lane.—Overflowing cesspool into the marsh dyke. Diphtheria. Notice. Remedied.
- July 5th.—Dagenham.—House with insufficient sanitary accommodation. Notice. Remedied.
- July 8th.—Ditto.—Defective water cistern. Notice. Remedied.
- July 8th.—Chadwell Heath.—House with insufficient sanitary accommodation. Notice. Remedied.
- July 8th.—Dagenham.—Foul ditch. Notice. Remedied.
- July 13th.—Ditto.—Houses with bad sanitary arrangements. Notice. Remedied.
- July 14th.—Beacontree Heath.—Foul drain. Diphtheria. Notice. Remedied.
- July 16th.—Ditto.—Defective drain. Notice. Remedied.
- July 21st.—Dagenham.—Defective drain. Notice. Remedied.
- July 27th.—Chadwell Heath.—Defective drain. Notice. Remedied.
- July 30th.—Dagenham Village.—Four houses with defective pail closets. Notice. Remedied.
- July 31st.—Ditto.—Damp and defective yard paving. Notice. Remedied.

- Aug. 4th.—Dagenham Village.—Insufficient accommodation. Notice Remedied.
- Aug. 5th.—Ditto.—Defective water supply to house. Notice. S.E. Co.'s water laid on.
- Aug. 9th.—Ditto.—Foul ditch. Notice. Remedied.
- Aug. 9th.—Ditto.—Ditto do. do.
- Aug. 11th.—Chadwell Heath.—Animals kept so as to be a nuisance. Notice. Removed.
- Aug. 16th.—Beacontree Heath.—Foul ditch. Notice. Cleansed.
- Aug. 18th.—Chadwell Heath.—Accumulation of fish refuse. Notice. Removed.
- Aug. 22nd.—Ditto.—Swine kept so as to be a nuisance. Notice. Removed.
- Aug. 23rd.—Dagenham.—Insanitary privies. Notice. Remedied.
- Aug. 24th.—Chadwell Heath.—Four houses dilapidated. Notice. Remedied.
- Aug. 28th.—Ditto.—Animals kept so as to be a nuisance. Notice. Remedied.
- Aug. 28th.—Ditto.—Ditto do. do.
- Aug. 28th.—Ditto.—Ditto do. do.
- Aug. 27th.—Dagenham.—Dilapidated premises. Notice. Remedied.
- Aug. 27th.—Ditto.—Ditto d.o do.
- Aug. 27th.—Chadwell Heath.—Swine kept so as to be a nuisance. Notice. Removed.

- Sept. 4th.—Dagenham.—Three houses insanitary. Notice. Closed.
- Sept. 8th.—Ditto.—Two stables undrained. Notice. Remedied.
- Sept. 11th.—Accumulation of refuse. Notice. Remedied.
- Sept. 20th.—Ditto.—Filthy premises. Notice. Remedied.
- Sept. 21st.—Ditto.—Ditto do. do.
- Sept. 21st.—Ditto.—Ditto do. do.
- Sept. 21st.—Five Elms.—Foul ditch. Notice. Cleansed.
- Sept. 29th.—Dagenham.—Three houses damp, roofing bad. Notice. Repaired.
- Sept. 29th.—Ditto.—Ditto do. do.
- Nov. 3rd.—Chadwell Heath.—Damp premises and insufficient sanitary accommodation. Notice. Remedied.
- Nov. 3rd.—Dagenham.—Undrained stable, fowls kept so as to be a nuisance. Notice. Remedied.
- Nov. 11th.—Ditto.—Blocked drain. Notice. Remedied.
- Nov. 11th.—Ditto.—Ditto do. do.
- Nov. 15th.—Ditto.—House with bad sanitary accommodation. Notice. Remedied.
- Nov. 18th.—Ditto.—Four houses unfit for occupation. Notice. Work now being done (Feb., 1910).
- Nov. 22nd.—Ditto.—Foul ditch. Notice. Cleansed.
- Nov. 24th.—Chadwell Heath.—Fowls kept so as to be a nuisance. Notice. Removed.
- Nov. 29th.—Dagenham Village, Rookery Farm.—Cowshed clean and well ventilated, but drainage bad. Notice now under consideration of West Ham Corporation, the occupiers.

Dec. 1st.—Dagenham.—Undrained stable. Notice. Remedied.

Dec. 20th.—Ditto.—Two houses insanitary. Notice. Remedied.

Dec. 20th.—Beacontree Heath.—Animals kept so as to be a nuisance. Notice. Removed.

Dec. 24th.—Marks Gate.—Foul ditches. Notice. Cleansed.

HORNCHURCH.

Jan. 12th.—Douglas Road. Faulty drains. Notice. Remedied.

Jan. 22nd.—Harold Wood.—Ditto do. do.

Jan. 26th.—Squirrels Heath.—Ditto do. do.

Jan. 29th.—Park Lane.—Ditto do. do.

Feb. 4th.—Craigdale Road.—Ditto do. do.

Feb. 4th.—Douglas Road.—Ditto do. do.

Feb. 5th.—Harold Wood.—House damp. Notice. Remedied.

Feb. 11th.—Clydesdale Road.—Defective sanitary arrangements. Notice. Remedied.

Feb. 20th.—Douglas Road.—Defective drains. Notice. Remedied.

Feb. 22nd.—Butts Green.—Ditto. Notice. Remedied.

Feb. 22nd.—Hornchurch.—Ditto. Notice. Remedied.

Feb. 26th.—South Hornchurch.—Ditto. Notice. Remedied.

Mar. 8th.—Douglas Road.—Accumulation of manure, &c. Notice. Removed.

Mar. 8th.—Park Lane.—Slaughter House dirty. Notice. Cleansed.

Mar. 16th.—Harold Wood.—Blocked drain. Notice. Cleansed.

Mar. 19th.—Craigdale Road.—Defective w.c. Notice. Cleansed.

Mar. 19th.—Clydesdale Road.—Faulty drains. Notice. Remedied.

Mar. 19th.—Longfield Estate.—Ditto do. do.

April 3rd.—Ardleigh Green.—Dirty premises and bakehouse. Notice Remedied.

April 6th.—Allandale Road.—Blocked drain. Notice. Remedied.

April 8th.—Clifton Road.—Ditto do. do.

April 8th.—Clifton Road.—Ditto do. do.

April 8th.—Clifton Road.—No dustbin to house. Provided.

April 14th.—Hornchurch.—Overcrowded cottage. Notice. Remedied.

April 16th.—Douglas Road.—Defective sanitary arrangements. Notice. Remedied.

April 19th.—Allandale Road.—Defective W.C., &c. Notice. Remedied.

April 19th.—Ditto.—Ditto do. do.

April 19th.—Craigdale Road.—Blocked drain. Notice. Remedied.

April 19th.—Ditto.—Blocked drain. Notice. Remedied.

April 19th.—Douglas Road.—Blocked drain. Notice. Remedied.

April 19th.—Wheatsheaf Road.—No dustbin to house. Notice. Remedied.

April 21st.—Hornchurch Old School House.—Defective and foul pail closets. Notice. Remedied.

April 23rd.—South Hornchurch.—Special report to Council (on instructions) on the riverside dust-shoots and factories.

April 24th.—Harold Wood.—Defective sanitary arrangements and water supply. Notice. Remedied.

April 26th.—Squirrels Heath.—Overflowing cesspool. Notice. Remedied.

May 4th.—Harold Wood.—Dirty cowshed. Notice. Remedied.

May 4th.—Hornchurch Brewery.—Visited owing to complaint made by neighbours of noise from exhaust pipe of engine. Advised the Council that it was a matter for mutual arrangement.

May 18th.—Marsh Green.—Cowshed dirty. Notice. Remedied.

May 18th.—South Hornchurch.—Blocked drain and foul ditch. Notice. Remedied.

- May 21st.—South Hornchurch.—Second visit to riverside factories.
- May 26th.—Hornchurch.—Defective drain. Notice. Remedied.
- May 27th.—Harold Wood.—Swine kept improperly. Notice. Remedied.
- May 28th.—Hornchurch.—Accumulation of manure. Notice. Remedied.
- May 29th.—Lower Richmond Street.—Overcrowding. Notice. Remedied.
- June 2nd.—Wood Lane.—Water supply to cottages impure. Several analyses and visits. Report to Council. Well cleaned. Water still contaminated, and now under notice.
- June 7th.—South Hornchurch.—Another visit to riverside dust-shoots &c.
- June 12th.—Hornchurch.—Defective drains.
- June 19th.—Lea Gardens.—Alleged nuisance from want of sanitary arrangements in pea-pickers encampment. No ground for complaint.
- July 2nd.—South Hornchurch.—Blocked drain. Notice. Remedied.
- July 6th.—Globe Road.—Defective drain. Notice. Remedied.
- July 13th.—Craigdale Road.—Ditto do. do.
- July 19th.—Squirrels Heath.—Filthy cottage. Notice. Remedied.
- July 21st.—Emerson Park.—Defective drains. Notice. Remedied.
- July 22nd.—Brentwood Road.—Ditto do. do.
- July 26th.—Harold Wood.—Dirty and ill-ventilated cowshed. Notice. Remedied.
- Aug. 25th.—Brentwood Road.—Defective drains. Notice. Remedied.
- Aug. 25th.—Park Lane.—Ditto do. do.
- Aug. 26th.—Emerson Park.—Defective drains. Notice. Remedied.

Aug. 27th.—Hornchurch.—Blocked drain. Notice. Remedied.

Aug. 27th.—Brentwood Road.—Defective drain. Notice. Remedied

Aug. 27th.—Park Lane.—Blocked drain. Notice. Remedied.

Aug. 27th.—Emerson Park.—Defective drain. Re-constructed.

Aug. 27th.—Hornchurch.—Blocked drain. Notice. Remedied.

Sept. 3rd.—Claremont Road.—Ditto. do. do.

Sept. 17th.—Squirrels Heath.—Public house and adjoining cottages with bad sanitary arrangements. Notice. Remedied.

Sept. 17th.—Harold Wood.—Defective drain. Re-constructed.

Sept. 20th.—Harold Wood.—Ditto do. do.

Sept. 21st.—Brentwood Road.—Ditto do. do.

Sept. 21st.—Walden Road.—Ditto do. do.

Oct. 6th.—Harold Wood.—Case of Scarlet Fever. Infected at West Ham Scarlet Fever Convalescent Home. Special report to Council.

Oct. 7th.—Park Lane.—Defective W.C. Notice. Remedied.

Oct. 9th.—Lea Garden.—House with bad sanitary arrangements and deficient water supply. Diphtheria. Special report to Council. Notice now being obeyed after much delay on the part of the owner (Feb., 1910.

Oct. 16th.—Craigdale Road.—Defective drain. Notice. Remedied.

Oct. 20th.—Harold Wood.—Blocked drain. Notice. Remedied.

Oct. 26th.—Claremont Road.—Slop water running on to road. Notice. Connection with sewer.

Oct. 26th.—Butts Green.—Van dwelling with no water or sanitary arrangements. Notice. Removed.

Nov. 6th.—Hornchurch.—Cottages unfit for occupation. Special report to Council. Now closed (February, 1910).

Nov. 2nd.—Park Lane.—House with no dustbin. Notice. Remedied.

Nov. 5th.—Squirrels Heath.—Cottage with defective drainage. Notice. Nothing done yet (February, 1910).

Nov. 5th.—Ditto.—Blocked drain. Notice. Remedied.

Nov. 5th.—Hornchurch.—Animals improperly kept. Notice. Remedied.

Nov. 6th.—Ardleigh Green.—Dirty Bake-house. Notice. Remedied

Dec. 1st.—Harold Wood.—Blocked drain and foul cesspool. Notice. Remedied.

Dec. 13th.—Squirrels Heath.—Four cottages with bad sanitary arrangements. Notice. Nothing done yet (February, 1910)).

Dec. 22nd.—Lower Richmoind Street.—Four cottages with no dustbins. Notice. Remedied.

HAVERING.

Feb. 1st.—Accumulation of refuse in yard. Diphtheria. Notice. Removed.

Feb. 3rd.—Brickfield.—Dirty premises and dilapidated closets and cesspools. Notice to cleanse and provide pail closets and fill in cesspools. Complied with.

Feb. 25th.—Cowshed insanitary. Notice. Remedied.

April 1st.—Cottages damp and dilapidated. Notice. Closed.

NOAK HILL.

Feb. 2nd.—Visited dairy where were two tubercular cows. Cautioned owner not to mix the milk from these cows with other milk.

Oct. 22nd.—Cowshed insanitary. Notice. Remedied.

UPMINSTER, CRANHAM AND CORBETS TEY.

Jan. 4th.—Cranham Lane.—Blocked drain. Notice. Remedied.

Jan. 7th.—Upminster.—Complaint of sewer gas from manhole. Closed.

Jan. 13th.—Ditto.—Visited and examined carcass of sheep, run over on railway. Carcass not offered for sale.

Feb. 6th.—Ditto.—Dirty cowshed. Notice. Remedied.

Feb. 13th.—Upminster Common.—Complaint of cottages dilapidated, and unfit for occupation. Visited and reported that cottages were habitable.

Feb. 24th.—Ditto.—Cesspool overflowing. Notice. Cleansed.

April 7th.—Corbets Tey.—Defective W.C. Notice. Remedied.

May 27th.—Cranham.—Foul ditch close to cottages. Notice. Cleansed.

June 2nd.—Ditto.—Defective drain. Notice. Re-constructed.

Aug. 24th.—Upminster.—Public urinal in public house premises foul. Notice. Remedied.

Sept. 30th.—Cranham Park Estate.—Houses erected and being erected without a proper water supply. Report to Council. Steps now being taken to provide same.

GREAT WARLEY.

Jan. 25th.—Defective W.C. Notice. Remedied.

Feb. 13th.—Visited and reported on proposed slaughter house, to be suitable for its purpose.

Feb. 23rd.—Insanitary cowshed. Notice. Remedied.

May 15th.—Cesspool overflowing on to road. Notice. Remedied.

Sept. 10th.—Dirty bake-house. Notice. Remedied.

Sept. 10th.—Cowshed and dairy dirty. Notice. Remedied.

RAINHAM AND WENNINGTON.

Jan. 4th.—Wennington.—Four W.C.'s defective and insanitary. Notice. Remedied.

Jan. 4th.—Ditto.—Foul ditch. Notice. Remedied.

Jan. 4th.—Ditto.—Foul ditch and damp premises from defective gutters. Notice. Remedied.

Feb. 8th.—Rainham.—Accumulation of refuse and foul ditch. Notice. Remedied.

Feb. 10th.—Wennington.—Ten dilapidated cottages. Notice to repair, &c., complied with.

Mar. 1st.—Ditto.—Foul water cistern. Notice. Remedied.

Mar. 21st.—Rainham.—Cottage dilapidated, &c., and unfit for occupation. Notice. Remedied.

April 1st.—Ditto.—Damp premises owing to defective gutter and paving of yard. Notice. Remedied.

June 9th.—Ditto.—House with defective drainage, &c. Notice. Remedied.

June 21st.—Rainham Ferry.—Foul privy pit and blocked drains. Notice. Remedied.

June 28th.—Wennington.—Cottages with defective sanitary arrangements. Notice. Remedied after much delay.

Oct. 11th.—Rainham.—Blocked drain, &c. Notice. Remedied.

Nov. 19th.—Ditto.—Nuisance from stagnant surface water. Notice. Remedied.

Dec. 17th.—Ditto.—Cottage with blocked drain. Notice. Remedied.

The following is a complete list of the Nuisances, &c., reported by the Sanitary Inspectors, in which action has been taken by them, my aid being called in in those instances which were considered necessary.

Nuisances abated	...	...	341
Filthy houses cleansed	...	...	5
Overcrowding abated	...	...	2
Houses repaired	...	...	26
Houses closed	...	...	2
Samples of water analysed	...	...	8
Animals improperly kept	...	...	14
Cowsheds inspected	...	...	46
Privies and W.C.'s repaired, &c.	...	...	57
			—
		Total ...	501
			—

Dec. 13th.—Upminster.—Blocked drain and defective sanitary arrangements. Notice. Remedied.

The various bake-houses, dairies, cowsheds and slaughter-houses have been periodically visited, and, when insanitary, have been remedied.

Sanitary improvements have continued during the year, the Council always responding to complaints from the Sanitary Officials and from private persons, and giving instructions for official action towards remedying sanitary conditions as far as is possible.

Much sanitary work has been done during the year by the Sanitary Inspectors under the Council's instructions, amongst which may be enumerated Drainage of Park Lane Schools, Hornchurch. The drains here were found to be very defective by the Sanitary Inspector and myself, and were re-constructed under the supervision of the County Architect.

The house to house inspection of drains in the parish of Hornchurch which was commenced in the previous year, was unfortunately stopped by an adverse decision of the Petty Sessions Court, in a case where the Council summoned an owner for refusing permission to test his drains, so that now this is only done where an actual nuisance is visible, or where infectious disease has occurred.

The condition of the Ingrebourne brook has, on several occasions, occupied the attention of the Council. This brook has been for years past polluted by discharge of sewage from the Brentwood and the South Weald sewage works. At these latter, improvements have been made (August, 1909), and the effluent which flows into the Ingrebourne brook has been satisfactory. Improvements in the Brentwood sewage works are in course of being carried out, which, it is assured by the Manager, will cause a cessation of the stream's pollution.

Gipsies at Harold Wood.—During the past year numbers of Gipsies, with their families and caravans, have encamped on unenclosed land at Harold Wood, causing many complaints from residents near. Many notices were served on them, by the Sanitary Inspector, but the Gipsies left before the expiration of the notices, others

taking their places. They were eventually prevented from access to the land by the cutting of trenches at the entrance to the camping ground.

BIRD LANE, UPMINSTER COMMON.—The South Essex water mains have been extended to this locality, and all cottages there are now supplied.

HORNCHURCH.—Sewers have been made in Walden Road, and the road made up and taken over.

Sewers have been extended to Slewins Lane, Squirrels Heath, Craigdale Road, Douglas Road (extension), and Osborne Road (extension), have been made up and taken over.

UPMINSTER.—Roads have been finished and taken over by the Council in this parish.

DAGENHAM.—The house connections with the sewers in this parish are now being effected. Station Road, in the village, long a blot in the sanitary condition of this locality, is now in course of being made up, and will be then taken over by the Council, an improvement long wanted but delayed by the non-completion of the sewerage system. New roads on the Whalebone Estate are also now in course of being made up. A great deal of sanitary work which will undoubtedly be of much benefit, has been done in the parish of Dagenham during the past year and is now being done, i.e., old-standing and recurring nuisances from badly-constructed and overflowing cesspools, foul ditches, &c., which will be obviated by the connection of houses with the new sewer.

At the present time (February, 1910), there is considerably less zymotic disease in the district than has been the case for several years, a condition that has existed now for several months past. The Council's attention has been drawn by me to the occurrence of Scarlet Fever on three separate occasions in families residing at Harold Wood, and which has undoubtedly been caused by infection from the West Ham Convalescent Scarlet Fever Home, which has recently been established here. The residents of this locality are justly alarmed at the existence of this source of infection in their midst, and correspondence between the Council and the Local Government Board has been carried on respecting this matter.

Tables of mortality and sickness compiled according to the requirements of the Local Government Board are included in this report. The birth and death-rates for the several localities for the past five years are shown in the following table.

LOCALITY.	1905.		1906.		1907.		1908.		1909.	
	BIRTH-RATE.	DEATH-RATE.	BIRTH-RATE.	DEATH-RATE.	BIRTH-RATE.	DEATH-RATE.	BIRTH-RATE.	DEATH-RATE.	BIRTH-RATE.	DEATH-RATE.
Dagenham, Beacontree and Chadwell Heaths	31.5	13.1	29.4	11.4	32.6	13.4	27.9	8.7	34.1	11.9
Havering - - -	21.9	12.1	22.1	11.1	22.1	11.5	20.4	13.6	18.4	18.4
Hornchurch - - -	6.5	10.0	29.5	10.5	24.5	9.5	27.2	12.6	24.5	9.8
Upminster, Cranham, and Corbets Tey - -	14.1	7.3	19.04	8.5	18.2	7.8	18.1	9.09	15.4	7.9
Great Warley - - -	33.4	12.1	36.01	8.5	31.3	12.8	26.9	9.03	23.5	7.5
Rainham & Wennington	32.4	11.1	34.1	13.7	33.1	11.4	31.07	10.08	28.1	16.5

Diseases of a zymotic character proved fatal in 14 instances. The death-rate for this class of disease for the entire district being 0.5 per 1,000. The following table shows the nature and distribution of fatal zymotic disease on the different localities of the district.

	Dagenham.	Havering.	Upminster.	Hornechurch.	Rainham.	Great Warley.
Measles	1	...	...	...	1	...
Diphtheria	2	...	...	...	...	...
Enteric Fever .....	...	...	...	...	...	...
Scarlet Fever	2	...	...	...	...	...
Erysipilas	2	...	...	...	...	...

ISOLATION HOSPITAL.

The following cases were admitted into the Isolation Hospital from the Rural District during the year.

Scarlet Fever	...	...	77
Diphtheria	...	...	25

I have, as in previous reports, much pleasure in testifying to the satisfactory way in which, as far as I know, the duties of inspection, &c., are carried out by the Sanitary Inspectors.

Area and population of district :

Area, in acres	...	...	29,951
Population	...	...	24,054

General death-rate 10.9 per 1,000.

Infant death-rate (under 1 year) 2.3 per 1,000.

I am, Gentlemen,

Your obedient Servant,

The Lodge, Romford,
February 23rd, 1910.

ALFRED WRIGHT.

ISOLATION HOSPITAL.

This Hospital is controlled by the "Joint Hospital Board," a body composed of members of the Urban and Rural District Councils, to whom I beg to express my warmest thanks for the readiness with which all suggestions from the matron and myself, for the well-being of the Hospital and its patients are responded to. The hospital continues to work satisfactorily, many grave cases having been successfully treated, which could not possibly have resulted favourably in their own homes, thus saving much human life and suffering. The number of cases admitted during the year was 268. Of these 200 were cases of Scarlet Fever, 66 of Diphtheria, and 2 of Enteric (Typhoid) Fever. Not all these came from the Romford Urban and Rural districts, as 35 were admitted from Brentwood and neighbourhood, the Isolation Hospital for that district being, at that time, full. 15 cases came from the Romford Union Workhouse and its Boarded-out Homes. The cases of Scarlet Fever were, for the most part, of a mild type, but many of the cases of Diphtheria were extremely severe, necessitating the operation of Tracheotomy in 11 instances. Of the cases of Enteric Fever one was severe and one was mild. 8 deaths were caused by Diphtheria, and 3 by Scarlet Fever.

I should like to say a few words here about "Return Cases," i.e., instances where, after the return of a child to its home, another member of the family has been attacked, apparently infected by the case just returned from hospital. This only applies to Scarlet Fever, no instances of a "Return Case" in Diphtheria having occurred. These occurrences have caused some uneasiness in the public mind, and I have, on several occasions, been called upon to give an explanation of what has been unjustly assumed to be the fault of the hospital staff. I have on these occasions pointed out to the Hospital Board, how impossible it is, in all cases of Scarlet Fever, to say when all infection is over. The

greatest precautions are taken not to discharge a patient from hospital until the risk of infection is past. When cases are convalescent and apparently no longer infectious, they are removed to the "discharge" block, and kept there for about a week. A separate nurse attends to them, and there is no communication between this block and the infectious wards. In some cases, however, infection germs lurk in the intricate channels of the "Naso-pharynx" (back of nose and throat), which, supposing the child to take cold and get nasal discharge, at once renders it infectious to others in close contact with it. This is the rationale of "Return Cases," and no amount of care will prevent such cases occasionally occurring. It happens in all Scarlet Fever hospitals, and I am happy to say that in our hospital, the number of "Return Cases" is less than in most Isolation Hospitals. During the past year the number was about 3 per cent.

TABLE I.
VITAL STATISTICS OF WHOLE DISTRICT DURING 1909 AND PREVIOUS YEARS.
ROMFORD RURAL DISTRICT.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				Total Deaths in Public Institutions in the District.	Deaths of Non-residents registered in Public Institutions 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 yr. of age.		At all Ages.					Number.	Rate.*
				Number.	Rate per 1,000 Births registered.	Number.	Rate.*					
1	2	3	4	5	6	7	8	9	10	11	12	13
1899.	16,770	593	35.3	84	141	256	15.2			12	262	15.9
1900.	17,380	476	27.3	26	54	255	14.6			11	266	15.3
1901.	18,990	569	28.9	90	157	266	14.0	16	7	5	271	14.2
1902.	19,500	585	30.0	62	105	235	22.3	11	0	7	241	12.2
1903.	20,000	623	36.1	68	109	248	12.4	15	6	22	264	13.2
1904.	20,415	551	26.8	96	174	274	13.4	15	2	21	293	14.3
1905.	21,000	654	31.1	86	130	256	12.1	8	1	23	256	12.9
1906.	21,500	634	29.4	87	137	241	11.1	8	3	24	262	12.1
1907.	22,000	602	27.3	51	84	242	11.0	29	4	11	242	11.11
1908.	23,282	622	26.7	52	87	214	9.1	25	7	30	237	10.1
Aver. ages for years 1899-1908	20,084	590	29.8	70	112	248	13.5	12	3	16	259	12.10
1909.	24,054	641	26.6	58	112	239	9.9	11	6	30	263	10.9

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

Area of District in acres (exclusive of area covered by water), 32,245.

Total population at all ages, 18,990	} At Census of 1901.
Number of inhabited houses, 3955	
Average number of persons per house, 4.7 ..	

I. Institutions within the District receiving Sick and Infirm persons from outside the District.	II. Institutions outside the District receiving sick and infirm persons from the District.	III. Other Institutions, the deaths in which have been distributed among the several localities in the District.
Isolation Hospital. West Ham Small-pox Hospital	Union Infirmary. Romford Cottage Hospital. Various London Hospitals.	

TABLE II.
VITAL STATISTICS OF SEPARATE LOCALITIES IN 1909 AND PREVIOUS YEARS. ROMFORD RURAL DISTRICT.

NAMES OF LOCALITIES.	DAGENHAM, BEACONTRÉE AND CHADWELL HEATHS.				HAVERING.				NOAK HILL.				HORNCHURCH.				UPMINSTER, CRANHAM, AND CORBETS TAY.				GREAT WAMLEY.				RAINHAM AND WENNINGTON.			
	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.
YEAR.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.	a.	b.	c.	d.
1899 ...	5,200	181	64	23	500	12	1						4,800	166	76	27	2,000	40	24	5	1,850	69	29	3	2,340	42	23	1
1900 ...	5,550	181	90	31	504	5	5	3					5,000	168	70	15	2,020	51	31	4	1,970	30	30	12	2,390	79	25	10
1901 ...	6,000	228	87	41	407	11	1		259	5	2		6,100	165	76	25	1,274	29	20	3	1,900	56	30	11	2,080	65	39	14
1902 ...	6,300	223	69	18	407	7	6	1	259	4	3		6,610	177	83	24	1,900	19	19	5	1,910	59	17	11	2,100	74	36	13
1903 ...	6,500	229	83	35	410	4			260	6	4		6,800	191	58	13	1,900	41	28	4	1,930	59	29	8	2,160	93	33	6
1904 ...	6,700	246	102	38	405	7	2		260	2	1		6,900	164	88	32	1,956	46	28	5	2,000	53	14	6	2,200	54	39	15
1905 ...	6,900	252	91	41	410	9	5	2	260	3	6		7,500	209	75	16	2,000	39	15	6	2,000	51	14	6	2,300	73	39	11
1906 ...	7,130	241	87	33	414	9	6	2	260	5	4		7,700	210	75	13	2,100	40	12	3	2,100	76	12	4	2,400	73	33	16
1907 ...	7,300	238	98	27	415	4	4		260	3			7,350	103	71	10	2,300	38	23	4	2,150	67	28	9	2,458	57	33	16
1908 ...	7,450	208	55	21	440	9	6	1	262	2			8,000	218	101	16	2,310	44	21	4	2,340	63	19		2,480	78	25	10
Averages of Years 1899 to 1908.	6,498	220	83	30	431	7	3		208	3	2		6,636	186	77	18	1,976	39	22	4	2,013	58	22	6	2,290	68	32	12
1909 ...	7,550	258	91	21	440	8	8		264	2	2	1	8,500	209	84		2,400	37	19	4	2,380	56	18	3	2,520	71	41	9

TABLE III.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1909, IN THE ROMFORD RURAL DISTRICT.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.							NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.							
	At all Ages.	AT AGES—YEARS.						Dagenham, Becontree and Chadwell Heath.	Noak Hill.	Havering.	Hornchurch.	Upminster, Cranham, and Corbets Tey.	Great Warley.	Rainham and Wennington.	Dagenham, Becontree and Chadwell Heath.	Havering.	Noak Hill.	Hornchurch.	Upminster, Cranham, and Corbets Tey.	Great Warley.	Rainham and Wennington.	Total cases removed to Hospital.
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.															
Small-pox ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria (including Membranous Croup)	42	...	...	...	...	...	24	...	2	13	...	...	3	13	2	...	10	...	...	2	27	
Erysipelas	14	...	...	...	...	...	6	...	...	5	...	1	2	...	...	...	...	...	...	...	...
Scarlet Fever	96	...	...	...	...	...	36	...	1	30	11	4	14	25	1	...	27	11	4	10	77	
Typhus Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Relapsing Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	3	...	...	...	...	...	1	...	...	1	...	...	1	...	...	...	...	...	...	...	...
Plague ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
•
Totals	155	...	...	...	...	...	67	...	3	49	11	5	20	35	3	...	37	11	4	12	104	

Isolation Hospital—Romford Joint Hospital, Rush Green, Romford. Total available beds—40.

Number of Diseases that can be concurrently treated, 3

TABLE IV.

CAUSES OF, AND AGES AT, DEATH DURING YEAR 1909. ROMFORD RURAL DISTRICT.

CAUSES 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.							TOTAL DEATHS WHETHER OF "RESIDENTS" OR "NON-RESIDENTS" IN PUBLIC INSTITUTIONS IN THE DISTRICT
	All Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Dagenham, Becontree and Chadwell Heath.	Hornchurch.	Havering.	Upminster, Cranham, and Corbets Tey.	Great Warley.	Rainham and Wennington.	Noak Hill.	
Small-Pox ... ..	...	..	...	...	...	...	...	..	...	...	...	...	...	...	...
Measles	2	...	2	...	...	...	...	1	...	...	...	...	...	...	...
Scarlet Fever	2	...	2	...	...	...	...	2	...	...	...	...	...	...	3
Whooping-cough	6	3	3	...	...	...	...	...	2	...	2	1	...	...	...
Diphtheria (including Membranous Croup)	2	...	2	...	...	...	...	2	...	...	...	...	...	...	8
Croup ... ..	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...
Fever { Typhus ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
{ Enteric	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
{ Other contin'd ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza	1	...	...	...	...	1	...	...	...	1	...	...	...	...	...
Cholera ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhœa	6	6	...	...	...	...	...	3	2	...	1	...	4	...	...
Enteritis	3	3	...	...	...	...	...	1	1	...	...	...	...	...	...
Puerperal Fever ... ..	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	2	...	...	...	1	...	1	2	...	...	...	...	...	...	...
Phthisis (Pulmonary Tuberculosis)	19	...	...	2	4	12	1	10	9	...	...	...	1	...	...
Other tubercular Diseases	7	5	...	...	1	1	...	1	1	...	...	...	2	...	...
Cancer, Malignant Disease	18	...	...	...	...	9	9	6	3	3	...	...	1	...	...
Bronchitis	14	4	2	...	...	1	7	8	3	...	...	1	4	...	...
Pneumonia	12	4	3	1	...	1	3	6	1	1	...	1	...	...	...
Pleurisy ... ..	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Diseases of Respiratory Organs ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Alcoholism	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cirrhosis of Liver { ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Veneral Diseases ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth	12	12	...	...	...	...	...	3	7	1	...	1	...	...	...
Diseases and Accidents of Parturition	2	1	..	...	...	1	20	1	1	...	...	...	...	...	...
Heart Diseases	51	3	1	3	3	21	2	13	17	2	7	4	3	...	...
Accidents	7	...	...	3	1	1	...	3	2	...	...	1	2	...	...
Suicides... ..	3	...	...	...	...	3	...	...	2	1	...	...	...	...	...
Senile Decay	32	...	...	...	...	...	32	9	9	1	3	6	2	...	...
All other causes	62	16	4	1	...	22	19	20	24	...	5	3	6	2	...
All Causes	263	57	19	10	10	73	95	19	84	8	19	18	41	2	...

TABLE V.
 INFANTILE MORTALITY DURING THE YEAR, 1909.
 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.	11-12 Months.	Total Deaths under One Year.
		All Causes	{ Certified .. { Uncertified ..	11	5	3	3	22	5	2	6	5	3	5	2	3	3	1	57
Common Infectious Diseases.	{ Small-pox ..																
	{ Chicken-pox ..																
	{ Measles ..																
	{ Scarlet Fever ..																
	{ Diphtheria: Croup ..																
	{ Whooping Cough ..												1		1	1	3
Diarrhoeal Diseases.	{ Diarrhoea, all forms ..								1		3						4
	{ Enteritis, Muco-enteritis ..																
	{ Gastro-enteritis ..			1		1				3		1					5
	{ Gastritis, Gastro-intestinal Catarrh }																
Wasting Diseases.	{ Premature Birth ..	5	3	2	1	11											11
	{ Congenital Defects ..	1				1	1			1							3
	{ Injury at Birth ..	1				1											1
	{ Want of Breast-milk ..																
	{ Starvation ..																
	{ Atrophy, Debility, Marasmus }						2	1	1			1					5
Tuberculous Diseases.	{ Tuberculous Meningitis }													1			1
	{ Tuberculous Peritonitis; Tabes Mesenterica }				1	1											1
	{ Other Tuberculous Diseases }						1		1						1		3
Other Causes.	{ Erysipelas ..																
	{ Syphilis ..																
	{ Rickets ..																
	{ Meningitis (not Tuberculous) }																
	{ Convulsions ..	2			1	3							1	1			5
	{ Bronchitis ..								1			1		1			3
	{ Laryngitis ..								1	1							4
	{ Pneumonia ..		1			1			1	1		1					4
{ Suffocation, overlying }																	
{ Other Causes ..	2	1			3	1	1	1				1					7

Population estimated to middle of 1909, 24,054.
 Births in the year, legitimate, 629; illegitimate, 12.
 Deaths in the year, legitimate, 57; illegitimate, 0.
 Death from all causes at all ages, 263.

ESSEX COUNTY COUNCIL.

PARISHES OF HORNCHURCH, UPMINSTER, CRANHAM, GREAT
WARLEY, HAVERING, and NOAK HILL.

No. 1 District.

Summary of Work done through the Sanitary Inspector in the Rural Sanitary District of Romford during the year ending December 31st, 1909.

(To be sent to the Clerk to the County Council with the Medical Officer of Health's Annual Report.)

	Total Number for year.	Notes, Results of Inspection, &c.
1 Complaints received ..		
2 Nuisances detected without complaint		
3 Nuisances abated ..	89	
4 Notices served ..	92	
5 Summonses taken out for order to test house drains, Hornchurch	1	Order refused
6 Convictions ..		
7 Cottages inspected ..		All in district
8 Lodging-houses inspected		None in district
9 Slaughter-houses inspected	10	
10 Bakehouses inspected ..	12	
11 Dairies and Milk Shops inspected	7	
12 Cowsheds inspected ..	34	
13 Workshops inspected ..	30	
Factories ..	7	
14 Filthy houses cleansed, sec. 46 Public Health Act, 1875	Nil.	
15 Houses disinfected ..		As required by M.O.H.
16 Overcrowding abated ..	2	Hornchurch
17 Houses placed in habitable repair	8	Havering
18 Houses closed ..	Nil.	
19 Houses erected or re-built for which Water "Certificates" were applied		Surveyor's duty

SANITARY INSPECTOR'S REPORT—*Continued.*

	Total Number for year.	Notes, Results of Inspection, &c.
20 "Certificates" granted ..		Surveyor's duty
21 " " deferred ..		
22 Wells sunk or improved supplies of Water afforded	1	South Hornchurch
23 Wells cleansed or repaired	2	
24 Wells closed ..	Nil.	
25 Existing houses connected with sewers		Surveyor's duty
26 Existing houses connected with water mains	4	Upminster Common
27 Earth, pail, or improved Privies constructed or existing Privies altered	2	Havering, &c.
28 Privies and W.C.'s re- paired ; W.C.'s supplied with water	5	
29 Cisterns cleansed, repair- ed, or covered		
30 Animals improperly kept, removed	2	Harold Wood and Hornchurch Village
31 Samples of water taken for Analysis	6	
32 Compensation paid for destruction of infected bedding	Nil.	
33 Seizures of unsound Meat, &c.	Nil.	

(*Signed*) ARTHUR CORNELL,

Inspector of Nuisances.

COUNTY OF ESSEX.

PARISHES OF DAGENHAM, RAINHAM, AND WENNINGTON.

Summary of Work done through the Sanitary Inspector
in the Rural Sanitary District of Romford during the year
ending December 31st, 1909.

*(To be sent to the Clerk to the County Council with the Medical
Officer of Health's Annual Report.)*

	Total Number for year.	Notes, Results of Inspection, &c.
1 Complaints received ..	35	
2 Nuisances detected with- out complaint	217	
3 Nuisances abated ..	252	
4 Notices served to connect houses to sewers ..	139 & 120	
5 Summonses taken out ..	1	
6 Convictions	1	
7 Cottages inspected ..	579	
8 Lodging-houses inspected		
9 Slaughter-houses inspected	5	
10 Bakehouses inspected ..	6	
11 Dairies and Milk Shops inspected	14	
12 Cowsheds inspected ..	12	
13 Workshops inspected ..	14	
14 Filthy houses cleansed, sec. 46 Public Health Act, 1875	5	
15 Houses disinfected ..	71	
16 Overcrowding abated ..		
17 Houses placed in habit- able repair	18	
18 Houses closed	2	
19 Houses erected or re-built for which Water "Cer- tificates" were applied		
20 "Certificates" granted ..		
21 " " deferred ..		
22 Wells sunk or improved supplies of Water afforded	3	
23 Wells cleansed or repaired		

SANITARY INSPECTOR'S REPORT—*Continued.*

	Total Number for year.	Notes, Results of Inspection, &c.
24 Wells closed		
25 Houses connected with sewers	53	Plans submitted for 413 houses. In hand 279 houses (Dagen- ham
26 Houses connected with water mains	2	
27 Earth, pail, or improved Privies constructed, or existing Privies altered		
28 Privies and W.C.'s re- paired ; W.C.'s supplied with water	52	
29 Cisterns cleansed, repair- ed, or covered	3	
30 Animals improperly kept removed	12 in- stances	
31 Samples of water taken for Analysis		
32 Compensation paid for destruction of infected bedding	2	
33 Seizures of unsound Meat, &c.		

(Signed) GEORGE T. CARTER,

Sanitary Inspector.

ANNUAL REPORT of the MEDICAL OFFICER OF HEALTH for the year 1909, for the Rural Sanitary District of Romford, on the administration of the Factory and Workshop Act, 1901, in connection with FACTORIES, WORKSHOPS, WORKPLACES, AND HOMEWORK.

1—Inspection of Factories, Workshops, and Workplaces.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS OR INSPECTORS OF NUISANCES.

Premises.	Number of		
	Inspections	Written Notices.	Prosecutions.
Factories (Including Factory Laundries) ..	16	Nil	Nil
Workshops (including Workshop Laundries) ..	36	Nil	Nil
Workplaces	6	Nil	Nil
Total ..	58		

2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found	Remedied	Referred to H.M. Inspector	
<i>Nuisances under the Public Health Acts :</i>				
Want of Cleanliness ..	1	1		
Total ..	1	1	Nil	Nil

3.—HOME WORK.

NATURE OF WORK.	OUTWORKERS' LISTS.					
	Lists received from Employers twice in the year.			Addresses of Outworkers.		Inspection of Outworkers' premises
	Lists.	Outworkers.		Received from other Councils.	Forwarded to other Councils.	
		Con-tractors.	Work-men.			
Wearing Apparel— Making, &c. ..						
Brush Making ..						
Total ..						

4.—REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year.	Number.
Bakehouses	16
Tailors	5
Bootmakers	3
Harness Makers	1
Farriers	4
Dressmakers	7
Coachbuilder and Wheelwright ..	3
Laundries	2
Total number of workshops on Register ..	41

5.—OTHER MATTERS.

Class.	Number.
Matter notified to H. M. Inspector of Factories:—	
Failure to affix Abstract of the Factory and Workshop Act (s 133). ..	

ALFRED WRIGHT,

Medical Officer of Health.

March 7th, 1910.