

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

### **Contributors**

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## ROMFORD RURAL DISTRICT COUNCIL.

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ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,  
1900.

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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, 1900.

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. Tables of Sickness and Mortality.*

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*I. --Summary of Action taken for preventing the  
spread of Disease.*

No	Date.	Disease.	Locality.	Origin of Disease. Action taken.	Result.
1	Jan. 8	Typhoid Fever	Rainham	- An imported case. Instructions given as to disinfection of discharge, &c.	No other case
2	" 8	Typhoid Fever	Rainham	- Ditto      Ditto	No other case
3	" 25	Scarlet Fever	Chadwell Heath	- Infected from a case at end of previous year. Instruction as to Isolation, &c. Disinfection on recovery.	Removed to Hospital
4	" 25	Scarlet Fever	Chadwell Heath	- Ditto      Ditto	
5	" 27	Diphtheria	Dagenham	- A local nuisance, Remedied.	No other case
6	Feb. 1	Scarlet Fever	Chadwell Heath	- Another case from same source of infection as No. 3. Disinfected.	Removed to Hospital
7	" 4	Diphtheria	Cranham	- One case. A local nuisance.	No other case
8	" 8	Scarlet Fever	Chadwell Heath	- From No. 3.	Removed
9	" 9	Scarlet Fever	Rainham	- One case. Source obscure. Isolation.	No other case
10	" 11	Diphtheria	Dagenham	- One case. A local nuisance. Remedied.	
11	" 28	Diphtheria	Claremont Road, North Hornchurch	- Two cases in one house.	No other case
12	" 28	Scarlet Fever	Claremont Road, North Hornchurch	- One case. Origin obscure. Instructions, &c.	No other case
13	Mar. 4	Scarlet Fever	Upminster	- Ditto      Ditto	No other case



No.	Date.	Disease.	Locality.	Origin of Disease. Action taken.	Result.
14	Mar. 4	Scarlet Fever	Squirrels Heath	Two cases in one family. Re- fused to be removed. In- structions, &c.	
15	" 7	Diphtheria	Noak Hill	One case. Local nuisance. Re- medied.	No other case
16	" 13	Diphtheria	Dymoke Road	Ditto Ditto	No other case
17	April 9	Diphtheria	Beacontree Heath	One case. Local nuisance from foul drain. Remedied <i>pro</i> <i>tem</i> . Case fatal.	No other case
18	" 9	Scarlet Fever	New North Road	One case. Imported. Instructions. Disinfected.	
19	" 9	Diphtheria	Harold Wood	An imported case.	Removed
20	" 15	Diphtheria	Beacontree Heath	Another case in same family as No. 17.	No other case
21	May 11	Typhoid Fever	Rainham	One case. Origin obscure. In- structions, &c.	
22	" 24	Scarlet Fever	South Hornchurch	One case.	Removed to Hospital
23	" 24	Scarlet Fever	Beacontree Heath	Ditto	
24	" 29	Scarlet Fever	Beacontree Heath	Ditto	
25	June 1	Scarlet Fever	Beacontree Heath	Ditto	
26	" 10	Scarlet Fever	Dagenham	Ditto	
27	" 10	Scarlet Fever	Chequers Lane, Dagenham	One case. A doubtful one.	
28	" 13	Diphtheria	Beacontree Heath	One case. Local drain nuisance.	
29	" 15	Diphtheria	Hornchurch	One case.	Removed
30	" 18	Scarlet Fever	Hornchurch	Ditto	Removed
31	" 19	Scarlet Fever	Beacontree Heath	Ditto	Removed
32	" 22	Scarlet Fever	Hornchurch	Ditto	Removed
33	" 23	Scarlet Fever	Hornchurch	One case. On enquiry it was found that a child had been attending school who had evi- dently had an unrecognised mild attack of Scarlet fever. The school was closed for a time. 30 cases altogether oc- curred, the last about Nov. 7.	Removed

No.	Date.	Disease.	Locality.	Origin of Disease. Action taken.	Result.
34	June 25	Diphtheria	Surnams Farm, Beacontree Heath	A bad case. A foul pond receiving the house drainage close to the back door. Nuisance. Remedied.	See No. 39.
35	„ 26	Diphtheria	Squirrels Heath, Hornchurch	A bad case. Local drain nuisance.	Removed
36	„ 27	Diphtheria	Squirrels Heath, Hornchurch	Another case in same house.	Removed
37	„ 27	Diphtheria	Beacontree Heath	One case. Local drain nuisance.	
38	„ 29	Typhoid Fever	Great Warley	One case. Origin obscure. Instructions, &c.	No other case
39	„ 29	Diphtheria	Surnams Farm	Another case in same house as No. 34.	No other case
40	„ 30	Typhoid Fever	Wennington	One case Imported. Instructions, &c.	No other case
41	„ 30	Scarlet Fever	Beacontree Heath	One case. Supposed to be contracted from No. 23.	
42	„ 30	Typhoid Fever	Clifton Road, North Hornchurch	One case. Origin obscure. Instructions, &c.	No other case
43	„ 30	Scarlet Fever	Green Lane	One case. Imported.	
44	„ 30	Typhoid Fever	Hornchurch Road	One case. A case in same house last year. Complaints of smell of sewer-gas from sewer ventilating shaft close to house. This was heightened 8ft.	No other case
45	July 8	Typhoid Fever	Chadwell Heath	One case. Ditto	No other case
46	„ 14	Scarlet Fever	Beacontree Heath	Ditto Ditto	No other case
47	„ 17	Scarlet Fever	Beacontree Heath	Ditto Ditto	No other case
48	„ 17	Diphtheria	Great Warley	Ditto Ditto	
49	„ 27	Scarlet Fever	Hornchurch	Ditto Ditto	
50	„ 31	Scarlet Fever	Cranham	One case. Brought from Hornchurch	
51	„ 31	Diphtheria	Beacontree Heath	One case. Local drain nuisance.	
52	Aug. 2	Diphtheria	Beacontree Heath	Ditto Ditto	

No.	Date.	Disease.	Locality.	Origin of Disease. Action taken.	Result.
53	Aug. 7	Typhoid Fever	Mardyke Farm, Dagenham	One case. Imported. Instructions, &c.	See No. 6
54	" 7	Scarlet Fever -	Chadwell Heath -	One case.	
55	" 7	Scarlet Fever -	Hornchurch -	Two cases.	Removed
56	" 15	Scarlet Fever -	Beacontree Heath	Ditto Removed.	See No. 66.
57	" 16	Typhoid Fever	Hornchurch -	One case. Removed to Hospital.	
58	" 16	Scarlet Fever -	Great Warley -	One case. Imported.	
59	" 16	Scarlet Fever -	Hornchurch -	One case.	Removed
60	" 21	Scarlet Fever -	Hornchurch -	Three cases.	Removed
61	" 23	Scarlet Fever -	Harold Wood -	One case. From Hornchurch. Isolation. Disinfected.	
62	" 24	Typhoid Fever	Dagenham -	One case. Local sewage impurities	
63	" 27	Scarlet Fever -	Hornchurch -	One case.	Removed
64	" 27	Typhoid Fever	Dagenham -	One case. Local sanitary defect.	No other case
65	Sept.	Typhoid Fever	Mardyke Farm, Dagenham	Two cases. See No. 53.	No other case.
66	" 10	Scarlet Fever -	Beacontree Heath	One case. From No. 56.	
67	" 13	Scarlet Fever -	Five Elms	Ditto Ditto	
68	" 17	Scarlet Fever -	Five Elms -	Two cases in same house as No. 67	
69	" 18	Typhoid Fever	Dagenham -	Two cases.	Removed
70	" 20	Diphtheria -	Upminster -	One case. Local sanitary defect in house.	
71	" 21	Diphtheria -	Beacontree Heath	One case. Local sanitary defect. Remedied.	
72	" 22	Diphtheria -	Chadwell Heath -	Ditto Ditto	Removed to Hospital
73	" 24	Diphtheria -	Chadwell Heath -	Ditto Ditto	See No. 90
74	28 & 29	Scarlet Fever -	Hornchurch -	Two cases.	See No. 90
75	Sep. 30	Scarlet Fever -	Beacontree Heath	One case.	



No.	Date.	Disease.	Locality.	Origin of Disease. Action taken.	Result.
76	Sep. 30	Diphtheria	Chadwell Heath	Two cases. Local sanitary defect.	Removed
77	" 30	Typhoid Fever	Dagenham	One case. Local sanitary defect.	
78	" 30	Typhoid Fever	Rainham	Two cases in one family. Origin obscure.	
79	" 30	Scarlet Fever	Upminster	One case in same house as No. 70.	Removed
80	Oct. 2	Diphtheria	Chadwell Heath	One case. Same house as No. 76	
81	" 2	Diphtheria	Chadwell Heath	One case. Local sanitary defect. Remedied.	
82	" 2	Scarlet Fever	Hornchurch	One case.	Removed
83	" 3	Scarlet Fever	Hornchurch	Three cases.	Removed
84	" 4	Scarlet Fever	Hornchurch	Four cases.	Removed
85	" 6	Scarlet Fever	Hornchurch	One case.	Removed
86	" 7	Diphtheria	Chadwell Heath	One case. Local sanitary defects.	
87	" { 7 9 11	Scarlet Fever	Hornchurch	Six cases.	
88	" 11	Typhoid Fever	Great Warley	One case. Imported. Instructions, &c.	No other case
89	" 18	Scarlet Fever	Corbets Tey	One case. From Hornchurch.	
90	" 23	Typhoid Fever	Chadwell Heath	The subject of this was a girl who was removed to the Isolation Hospital on Sept. 22. Owing to want of room she was treated in the Typhoid Ward and developed Typhoid, after her return home.	Removed to Isolation Hospital
91	" 27	Typhoid Fever	Dagenham	One case. Local sanitary defects.	Removed
92	" 27	Typhoid Fever	Dagenham	Ditto Ditto	
93	" 27	Scarlet Fever	Beacontree Heath	One case. Origin obscure.	
94	Nov. 1 & 2	Scarlet Fever	Hornchurch	Two cases.	
95	" 7	Scarlet Fever	Hornchurch	Ditto	Removed



No.	Date.	Disease.	Locality.	Origin of Disease. Action taken.	Result.
96	Nov. 7	Scarlet Fever -	Dagenham	One case.	Removed
97	„ 10	Typhoid Fever	Rainham	One case. Origin obscure.	
98	„ 11	Diphtheria -	Great Warley	Ditto Ditto	
99	„ { 18 20 23	Diphtheria -	Green Lane	Four cases in one family. Local sanitary defect. Remedied.	
100	„ 22	Typhoid Fever	South Hornechurch	One case. Local sanitary defect.	
101	„ 24	Typhoid Fever	Great Warley	Ditto Ditto	
102	„ 24	Scarlet Fever -	Dagenham	One case.	
103	Dec. 14	Diphtheria -	Rainham	One case. Sanitary defect.	
104	„ 21	Typhoid Fever	Rainham	Ditto Ditto	

I received notification of 152 cases of infectious diseases during the year. The different diseases are thus tabulated :—

Erysipelas	..	..	..	21
Diphtheria	..	..	..	36
Puerperal	..	..	..	1
Scarlet Fever	..	..	..	67
Small Pox	..	..	..	1
Typhoid Fever	..	..	..	26
				<hr/>
				152
				<hr/>

Forty-nine of these cases were removed to the Isolation Hospital at Chadwell Heath or to Barking, pending the completion of our own Hospital.

The following is a succinct account of the different infectious diseases requiring action by your sanitary officials during the year. My practice is to request the Sanitary Inspector to visit each house as soon as I receive notification of the existence of infectious disease there, visiting myself subsequently all those cases which I consider require my doing so.

*Small Pox.*—One case was notified. This occurred at the West Ham Small Pox Hospital, which is situated in the Parish of Dagenham.

*Scarlet Fever.*—Sixty-seven cases of this disease were notified from various parts of the district—the localities where it prevailed being, in the order of the number of cases, as under :—

Hornchurch and neighbourhood	..	37
Dagenham „ „	..	22
Havering „ „	..	0
Rainham and Wennington	..	2
Upminster and Neighbourhood	..	5
Collier Row	..	0
Great Warley	..	1
		<hr/>
		67
		<hr/>

*Diphtheria*.—Twenty-five cases occurred in the localities specified as under:—

Dagenham	..	..	..	25
Collier Row	..	..	..	0
Hornchurch	..	..	..	6
Great Warley	..	..	..	2
Rainham and Wennington	..	..	..	1
Upminster and Corbets Tey	..	..	..	2
				—
				36
				—

*Typhoid*.—Forty-nine cases of Typhoid Fever occurred in the district as under:—

Dagenham, Beacontree Heath, and Chadwell				
Heath	..	..	..	10
Hornchurch	..	.	..	4
Upminster and Cranham	..	..	..	1
Rainham	..	..	..	6
Great Warley	..	..	..	5
				—
				26
				—

The only disease which assumed an epidemic form was Scarlet Fever. In the village of Hornchurch and its vicinity the disease evidently spread through the medium of one of the Elementary Schools, a child undoubtedly having been admitted there whilst convalescent from a mild attack of Scarlet Fever unrecognised at the time. The school was closed, and when several of the children lived in a house where a case occurred, the patient was removed, as a rule, to the Isolation Hospital.

## *II.—An account of the Sanitary condition of the District generally, at the end of 1900.*

In complying with this section of the Local Government Board's instructions to Medical Officers of Health, I proceed to give, as in



previous years, a short account of the sanitary state of the district, under the same heads of localities as are given in the statistical tables.

DAGENHAM, BEACONTREE HEATH, AND CHADWELL HEATH.—Villages and scattered groups of houses, all situated in the parish of Dagenham, and occupying a very wide area, standing on gravel and on London clay, some (part of Dagenham village and immediate neighbourhood) on alluvium. Estimated population, 5,500. Agricultural. Water supply mainly from South Essex Company. The village of Dagenham is in a bad Sanitary condition, owing to the ground being saturated by years' overflowing cesspools and slop-water. Most of the cottages supplied with pail closets, emptied once a week by the Sanitary Authority. A system of scavenging is now in force, the owners of cottages having been called upon by the Sanitary Authority to provide dust-bins, which are periodically emptied by the Authority. There still exists, though, a condition of soil sodden by sewage overflow from cesspools, and which nothing but some system of drainage will relieve, and until this is done, the village must continue to be in a bad Sanitary condition. Birth-rate, 34·7. Death-rate, 16·3. Death-rate from zymotic disease, 2·3 per 1,000 of the population. A complete system of sewage removal has been decided upon, and now rests with the Local Government Board.

HAVERING stands high on pebble sand, bounded by London and boulder clay. Population 508. Agricultural. Privies. Water-supply from wells and from South Essex Company. Some of the out-lying parts of the parish badly supplied, the source in these instances being from ponds. Birth-rate 15·7; Death-rate 9·8; Death-rate from Zymotic disease, *Nil*.

HORNCHURCH.—Large village, and scattered groups of houses extending over a large parochial area. Part of the parish adjoining the town of Romford, and really constituting a portion of that town. Stands mostly on gravel and partly on London clay, some small portion of the parish running down to the Thames, and alluvial. Population, 4,800, principally agricultural, foundry works and a brewery in the village. A good part of the village supplied with pail closets, other houses drain into cesspools, many of which overflow into



ditches, and, with the brewery, pollute the neighbouring stream to a considerable extent. Birth-rate, 33·6. Death-rate, 14·0. Death-rate from zymotic disease, 1·0. A system of sewearage for the whole of this district is now in course of construction, which will much improve its sanitary condition.

UPMINSTER, CRANHAM, AND CORBETS TEY.—Adjacent villages, standing on high ground, mostly brick earth, some gravel. Population 2,020. Agricultural. Privies and cesspools. Some few of the latter polluting roadside ditches. Water supply mostly from South Essex Company; some wells. Birth-rate, 25·4. Death-rate, 15·3. Death-rate from zymotic disease, 0·9. A system of sewerage for the locality has been carried out and is now in operation.

GREAT WARLEY stands high on London clay. The most thickly-populated part of the parish joins the town of Brentwood, in the Billericay Union, the larger area of the parish having scattered houses and groups of houses. Population 1,970. Agricultural. A system of sewerage has been recently adopted for the populous portion of this locality, the sewage being taken at a distance and treated on the septic principle of purification. This, so far, is a great success, there is not the least nuisance in the locality of the Sewage Works, and the effluent, after running over land in furrows, is perfectly clear and inodorous. Water supply for the locality mainly from the South Essex Works; some wells. The more sparsely-populated rural part of the locality is badly supplied, ponds being a main source of supply in some parts. Birth-rate, 35·5. Death-rate, 15·2. Death-rate from zymotic disease, 0·5.

RAINHAM AND WENNINGTON lie low on gravel and alluvium at the edge of the Thames. Marshy. Village of 2,300 inhabitants. Agricultural and river traffic. Tidal stream runs through Rainham to the Thames, about one mile distant. No system of sewage removal. Privies and cesspools. Foul state of atmosphere frequent from factories on river bank (manure, candles, glue, &c.), some on the Essex, most on the Kent side of the river. Water supply mostly from South Essex Company; some wells. Birth-rate, 33·4. Death-rate, 9·6. Death-rate from zymotic disease, *Nil*.

*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 I. of this report, the following insanitary conditions, &c., necessitated official interference by the Sanitary Inspector, who called in my assistance when necessary. These instances of nuisances, &c., are included in the list detailed in a later part of this report.

Several reports when necessary were submitted by me to the Council, with regard to conditions inimical to the public health.

DAGENHAM, BEACONTREE HEATH, AND CHADWELL HEATH.—  
*Jan. 23rd.—Beacontree Heath.*—Foul closet. Notice served. Cleansed.

*Feb. 17th.*—Ditto

*Feb. 19th.*—Ditto—Accumulation of foul manure. Notice. Removed.

*Feb. 22nd.*—Ditto—Two houses unfit for occupation. Closed. Since pulled down.

*Feb. 22nd* —Ditto—Dilapidated closet. Notice. Repaired.

*March 18th.—Dagenham.*—Obstructed drain. Notice. Cleansed.

*March 23rd.—Coppen's Cottages.*—Overflowing cesspools. Notice. Cleansed.

*March 30th.—Whalebone Lane.*—Foul ditch. Notice. Cleansed.

*March 30th.—Beacontree Heath.*—Foul privy. Notice. Cleansed.

*May 5th.—Chadwell Heath.*—Obstructed drains. Notice. Cleansed.



*May 12th.—Chadwell Heath.*—Cowshed filthy. Notice. Cleansed.

*May 12th.*—Ditto

Ditto

*May 12th.*—Ditto—Accumulation of manure close to dwelling. Notice. Removed.

*May 18th.—Dagenham, New Road.*—Polluted ditch. Notice. Cleansed.

*May 18th.—Beacontree Heath.*—Cottage with bad water supply. Notice. South Essex Co. Water supplied.

*May 18th.*—Ditto

*May 21st.—Dagenham, New Road.*—Polluted ditch. Notice. Cleansed.

*May 21st.—Dagenham, Kittle's Cottages.*—Foul privy. Notice. Cleansed.

*May 21st.—Dagenham, Station Road.*—Foul cesspool. Notice. Cleansed.

*May 21st.*—Ditto

Ditto

*May 21st.*—Ditto—Foul cesspool and drains. Notice. Cleansed.

*May 23rd.—Beacontree Heath.*—Foul accumulation of manure. Notice. Removed.

*June 25th.—Whalebone Lane.*—Foul cesspool. Notice. Cleansed.

*July 23rd.—Dagenham.*—Trucks of offensive manure at railway station, close to passenger platform. This was a serious nuisance, the manure being of the foulest nature, decomposing offal mixed with ordinary manure. Several visits were paid here, and the L. T. & S. R. Co. eventually undertook to bring no more.

*Sept. 3rd.—Beacontree Heath.*—Foul accumulation of manure close to dwelling. Notice. Removed.

*Sept. 4th.—Dagenham, Dewey Road.*—Foul cesspool. Notice. Cleansed.

*Sept. 4th.—Beacontree Heath.*—Foul accumulation of manure. Notice. Removed.

*Sept. 20th.—Chudwell Heath, Rose Cottages.*—Foul cesspool. Notice. Cleansed.

*Oct. 6th.—Dagenham Railway Station.*—Offensive manure. (See above).

*Oct. 12th.*—Ditto

Ditto

*Oct. 26th.—Dagenham, Station Road.*—Foul cesspool. Notice. Cleansed.

*Nov. 7th.*—Ditto—Foul accumulation. Notice. Cleansed.

*Nov. 8th.*—Ditto—Foul cesspool. Notice. Cleansed.

*Nov. 12th.—Dagenham, Kittle's Cottages.*—Foul privy. Notice. Cleansed.

HAVERING, ETC.—*Jan. 29th.*—Foul cesspits and dilapidated closets. Notice served to erect new closets and provide earth pails. Complied with.

*Jan. 29th.—Havering.*—Foul cesspools. Notice. Cleansed.

*March 8th.*—“Orange Tree” Inn.—Foul urinal and drain. Notice. Cleansed.

*March 9th.*—House with defective drains. Notice served, but not complied with.

*Sept. 20th.—Noak Hill.*—Defective closets and cesspool at School. Notice. Closets repaired and cesspool cleansed.

HORNCHURCH — *March 9th.*—Village.—Overflowing cesspool. Notice. Cleansed.



*March 9th.—Village.*—Overflowing cesspool. Notice. Cleansed.

*April 11th.*—Ditto—Cowshed filthy. Notice. Cleansed.

*April 11th.*—Ditto—Foul privies. Notice. Cleansed.

*May 3rd.—South Hornchurch.*—Cottage with defective closet accommodation and foul sanitary arrangements, closet overflowing into ditch close to dwelling. Notice served to construct pail closet, pipe in ditch receiving the house drainage, and carry it to a cesspool some distance from the cottage. After several visits and notice, the owner was summoned, and the necessary works were carried out.

*May 7th.—Hornchurch, High Street.*—Imperfect closet. Notice to provide pail closet. Complied with.

*May 7th.*—Ditto                      Ditto

*May 7th.*—Ditto                      Ditto

*May 7th.*—Ditto      Defective drain. Notice. Remedied.

*May 7th.*—Ditto      Insufficient closet accommodation. Notice. Remedied.

*May 7th.—Hornchurch, North Street.*—Defective closet. Notice. Remedied.

*May 7th.—Hornchurch, Butt's Green.*—Defective closet. Notice. Remedied.

*May 7th.*—Ditto                      Ditto

*May 10th.—Brentwood Road.*—Bakehouse filthy. Notice. Remedied.

*May 11th.—Ardleigh Green.*—Foul cesspit. Notice. Remedied.

*May 11th.*—Ditto—Insufficient closet accommodation. Notice. Remedied.

*May 12th.—Butt's Green.*—Blocked drain. Notice. Remedied.

*May 15th.—Malvern Road.*—Blocked closet. Notice. Remedied.

*May 18th.—South Hornchurch.*—Defective closet. Notice. Remedied.

*May 19th.—Lower Richmond Street.*—Blocked drain. Notice. Remedied.

*May 21st.—Ardleigh Green.*—Foul cesspits. Notice. Remedied.

*May 21st.—Ditto*—Defective sanitary arrangements. Notice. Cesspool constructed.

*June 5th.—High Street.*—Insufficient closet accommodation. Notice. Remedied.

*June 6th.—South Hornchurch.*—Foul ditch. Notice. Cleansed.

*June 6th.—Ditto*—Insufficient closet accommodation. Notice. Remedied.

*June 7th.—Hacton Lane.*—Defective closets and drains. Earth closets provided under notice.

*July 3rd.—Harold Wood.*—Foul cesspool and drains. Notice. Cleansed.

*July 3rd.—Ditto*—Foul cesspool and drain. Notice. Cleansed.

*July 9th.—Ardleigh Green.*—Foul cesspool and drain. Notice. Cleansed.

*July 13th.—Village.*—Foul cesspool and drain. Notice. Cleansed.

*July 19th.—Ditto*—Defective sanitary arrangements and bad water supply. Remedied. South Essex water laid on.

*July 30th.—Lower Richmond Street.*—Swine kept so as to be a nuisance. Notice. Removed.

*Aug. 13th.—Ditto.*—Foul drains. Notice. Remedied.

*Sept. 3rd.—South Hornchurch.*—Foul drains. Notice. Remedied.

*Sept. 7th.—High Street.*—Foul privies. Notice. Pail closets provided.

*Sept. 7th.—Ditto*—Foul cesspool. Notice. Cleansed.

*Sept. 15th.—Harold Wood.*—Ditto

*Sept. 15th.—Ditto* Ditto

*Sept. 15th.—Ditto* Ditto

*Sept. 28th.—Ditto*—Stable with foul drain. Notice. Cleansed.

*Oct. 2nd.—Ditto.*—Cottage unfit for occupation, owing to damp and dilapidation. Notice. Repaired.

*Oct. 13th.—Harold Wood.*—Defective sanitary appliances. Notice. Remedied.

*Oct. 18th.—Kyme Road.*—Foul drain. Notice. Cleansed.

*Oct. 18th.—Ditto*—Defective sanitary appliances. Notice. Remedied.

*Nov. 7th.—Ardleigh Green.*—Foul ditch and drain. Notice. Remedied.

*Nov. 9th.—South Hornchurch.*—Ditto

*Nov. 11th.—Squirrels Heath.*—Ditto

*Nov. 11th.—Brentwood Road*—Ditto

*Nov. 19th.—Hornchurch.*—Dilapidated closet. Notice.

*Nov. 21st.—Ardleigh Green.*—Foul cesspool. Notice. Cleansed.

*Dec. 5th.—Harold Wood.*—Ditto

*Dec. 7th.—Village.*—Foul accumulation of manure. Notice. Removed.

*Dec. 17th.—Hay Green.*—Insufficient closet accommodation. Notice. Nothing as yet done.



*Dec. 19th.—Dymoke Road.*—Defective closet. Notice. Remedied.

UPMINSTER, CRANHAM, AND CORBETS TEY.—*Jan. 17th.—Upminster.*—Dilapidated closet and foul cesspool. Notice. Repaired.

*Jan. 17th.*—Ditto.—Cottage damp and dilapidated. Notice to repair, &c. Nothing done.

*Feb. 5th.—Upminster Common.*—Foul cesspool. Notice. Cleansed.

*March 2nd.—Upminster.*—Foul public urinal. Notice. Cleansed.

*March 2nd.—Corbets Tey.*—Ditto

*March 9th.*—Ditto—Swine kept so as to be a nuisance. Notice. Removed.

*March 9th.*—Ditto—Foul cesspool. Notice. Cleansed.

*March 9th.*—Ditto—Ditto

*March 16th.*—Ditto—Foul closet. Notice. Cleansed.

*March 23rd.—Upminster.*—Defective sanitary appliances.

*April 23rd.—Hacton.*—Foul ditch. Notice. Cleansed.

*April 26th.—Upminster.*—Ditto

*Aug. 1st.—Cranham.*—Foul cesspool. Notice. Cleansed.

*Aug. 1st.*—Ditto—Defective drain. Notice. Cleansed.

*Aug. 17th.—Upminster.*—Foul cesspool. Notice. Cleansed.

*Aug. 29th.—Upminster Common.*—Ditto

*Aug. 29th.—Northman's Farm, Upminster Common.*—Cowshed and drain defective. Notice. Cleased.

*Sept. 6th.—Upminster Common.*—Foul drain and sink. Notice. Cleansed.

*Oct. 13th.*—Ditto Ditto



*Nov. 7th.—Upminster Common.*—Foul drain and sink. Notice. Cleansed.

*Nov. 8th.—Upminster.*—Ditto

*Nov. 21st.*—Ditto—Dilapidated closets. Notice. New ones erected.

*Nov. 30th.—Cranham.*—Cottage filthy and dilapidated. Notice. Cleansed and repaired.

*Nov. 30th.—Corbets Tey.*—Foul cesspool. Notice. Connected with new sewer.

*Dec. 5th.—Upminster.*—Ditto

*Dec. 5th.*—Ditto Ditto

*Dec. 14th.—Corbets Tey.*—Ditto

*Dec. 14th.*—Ditto Ditto

GREAT WARLEY.—*March 29th.—Great Warley.*—Foul cesspool. Notice. Cleansed.

*March 29th.*—Ditto Ditto

*March 29th.*—Ditto Ditto

*March 29th.*—Ditto Ditto

*May 24th.*—Ditto Ditto

*July 5th.*—Ditto—Foul accumulation. Notice. Cleansed.

*July 17th.*—Ditto Ditto

*July 18th.*—Ditto Ditto

*Sept. 28th.*—Ditto—Foul drain. Notice. Cleansed.

*Oct. 18th.*—Ditto—Foul cesspool. Notice. Cleansed.

*Oct. 26th.*—Ditto—House dilapidated and filthy. Notice. Repaired and cleansed.

*Dec. 21st.*—Ditto—Dilapidated closet. Notice. Cleansed.

RAINHAM AND WENNINGTON.—*May 15th.*—*Rainham.*—Foul cesspool. Notice. Cleansed.

*June 11th.*—Ditto.

Ditto

*June 26th.*—*Rainham Ferry.*—Fish manure works. Foul nuisance from manufacture, complained of by neighbours. Certain suggestions made to proprietor. Special report to Council.

*Sept. 20th.*—*Wennington.*—Foul cesspool. Notice. Cleansed.

*Nor. 12th.*—*Rainham.*—Swine kept so as to be a nuisance. Notice. Removed.

*Nov. 12th.*—Ditto—Obstructed drains. Notice. Cleansed.

*Nov. 12th.*—Ditto

Ditto

The following is a complete list of the insanitary conditions, respecting which notices have been served by the Sanitary Inspectors during the year.

Foul cesspools	}	..	..	..	84
„ pits					
Obstructed drains		..	..	..	21
Dilapidated houses		..	..	..	9
Foul accumulations		..	..	..	14
Defective drains, traps, &c.		..	..	..	22
Swine removed	..	..	..	..	4
Foul ditches	..	..	..	..	12
Dilapidated closets	..	..	..	..	8
Houses closed	..	..	..	..	3
Total	..	..	..	..	177

Forty-four samples of water were submitted for analysis, and when found to be impure the South Essex water was supplied.

Sanitary dust bins (galvanized iron) have been supplied, under notice, to most houses in Dagenham, Beacontree Heath, and Chadwell Heath—242 altogether.

The South Essex Water Main has been extended to Upminster Common, where the supply of water was bad. The slaughter-houses, cow-sheds, and bakehouses have been periodically inspected.

The system of sewerage for Upminster and neighbourhood has been satisfactorily completed. A system is now being constructed for Harold Wood, and for the Village, and more populous parts of Hornchurch Parish, and a system for Dagenham and Becontree Heath is, I believe, now awaiting the approval of the Local Government Board. The New Isolation Hospital (situate between Romford and Dagenham, in a fairly central part of the district) is now completed, and is to be opened next month.

Tables of Mortality, compiled according to the requirements of the Local Government Board, are included with this report. The Birth and Death Rates are shown in the following table for the last five years.

LOCALITY.	1896.		1897.		1898.		1899.		1900.	
	BIRTH-RATE.	DEATH-RATE.	BIRTH-RATE.	DEATH-RATE.	BIRTH-RATE.	DEATH-RATE.	BIRTH-RATE.	DEATH-RATE.	BIRTH-RATE.	DEATH-RATE.
Dagenham, Becontree and Chadwell Heaths	35.2	12.7	31.5	18.7	31.9	16.5	35.3	12.3	34.7	16.3
Havering - - -	21.05	4.2	10.2	nil.	26.0	10.0	14.0	10.0	15.7	9.8
Hornchurch - - -	29.5	12.7	30.8	13.08	27.8	12.9	33.8	15.8	33.6	14.0
Upminster, Cranham, and Corbets Tey - -	24.1	6.6	23.4	10.7	21.6	15.5	20.0	12.0	25.4	15.3
Great Warley - -	37.7	16.6	35.6	12.9	32.8	11.03	31.18	9.8	35.5	15.2
Rainham & Wennington	32.8	15.2	34.1	14.9	31.3	7.3	20.4	10.4	33.4	9.06



Diseases of a zymotic character proved fatal in 22 instances ; the death-rate from this class of disease for the entire district having been 1·2 per 1,000. The following table shows the nature and distribution of fatal zymotic disease in the different localities of the district :—

	Dagenham.	Havering.	Upminster and Cranham.	Great Warley.	Rainham and Wennington.	Hornchurch.
Puerperal Fever .....	1	—	—	1	—	—
Whooping Cough .....	1	—	1	1	—	3
Diphtheria .....	7	—	1	3	—	1
Typhoid Fever ...	—	—	—	—	—	1
Measles .....	5	—	1	1	—	1

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, Messrs. HAMILTON and CORNELL.

Area and population of district :

Area, in acres .. .. . 32,245

Population .. .. . 17,380

General death-rate, 14·6 per 1,000.

Infant death-rate (under 1 year) 1·4 per 1,000.

I am, Gentlemen,

Your obedient Servant,

ALFRED WRIGHT.

The Lodge, Romford,

March 24th, 1901.



TABLE I.  
ROMFORD RURAL 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.	DEATHS AT ALL AGES. NETT.	
		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
1890.												
1891.												
1892.												
1893.												
1894.												
1895.												
1896.												
1897.												
1898.	16,400	551	33.5	66	4.02	250	15.2			12	21.2	15.9
1899.	16,770	593	35.3	84	5.008	256	15.2			9	21.5	15.8
Aver- ages for years 1890-99.												
1900.	17,380	476	27.3	26	1.4	255	14.09	1		11	265	15.3

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

Total population at all ages, 14,183. ....  
 Number of inhabited houses, 2,341. .... } At Census of 1891.  
 Average number of persons per house, 6.05.

*N.B.—Since last report parts of the Rural have been transferred to the Urban District.—A.W.*

TABLE II.  
ROMFORD RURAL DISTRICT.

NAMES OF LOCALITIES.	DAGENHAM, BEACONTREE, AND CHADWELL HEATHS.				HAVERING.				HORNCHURCH.				UPMINSTER, CRANHAM, AND CORBETS TEY.				GREAT WARLEY.				RAINHAM AND WENNINGTON.			
	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.
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.
1890 ...																								
1891 ...																								
1892 ...																								
1893 ...																								
1894 ...																								
1895 ...																								
1896 ...																								
1897 ...																								
1898 ...	5,020	160	83	33	500	7	3		4,700	131	61	13	1,990	43	31	4	1,890	62	22	3	2,300	72	17	4
1899 ...	5,200	134	64	23	500	13	1		4,800	166	76	27	2,000	40	24	5	1,930	60	19	1	2,340	62	33	14
Averages of Years 1891 to 1899.																								
1900 ...	5,500	191	90	31	508	8	5	3	5,000	168	70	15	2,020	51	31	4	1,970	70	30	12	2,390	79	25	10

TABLE III.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1900, IN THE ROMFORD RURAL DISTRICT.

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.						Dagenham, Becontree and Chadwell Heaths.	Havering.	Hornchurch.	Uplister, Cranham, and Corbets Key.	Great Warley.	Rainham and Wennington.				
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.										
Smallpox ... ..	1	...	...	...	...	1	...	1	...	...	...	...	...				
Cholera ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...				
Diphtheria ... ..	36	...	27	9	...	...	...	25	...	6	2	2	1				
Membranous Croup ...	...	...	...	...	...	...	...	...	...	...	...	...	...				
Erysipelas ... ..	21	...	...	...	7	14	...	10	...	4	4	1	2				
Scarlet Fever ... ..	67	...	31	34	2	...	...	52	...	37	5	1	2				
Typhus Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...				
Enteric Fever ... ..	26	...	...	5	18	3	...	10	...	4	1	5	6				
Relapsing Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...				
Continued Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...				
Puerperal Fever ... ..	1	...	...	...	...	1	...	1	...	...	...	...	...				
Plague ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...				
Totals ... ..	132	...	53	48	27	19	...	69	...	51	12	9	11				

Isolation Hospital at Chadwell Heath, in Ilford Urban District; also at Barking, in Barking Urban District.



TABLE (IV).

## ROMFORD RURAL DISTRICT.

CAUSES OF, AND AGES AT, DEATH DURING YEAR 1900.

CAUSES OF DEATH.	DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN LOCALITIES (AT ALL AGES.)							DEATHS IN PUBLIC INSTITU- TIONS.
	All Ages	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and up- wards.	Dagenham, Beacontree and Chadwell Hth's.	Noak Hill.	Havering.	Hornchurch.	Upminster, Cranham, and Corbets Tey.	Great Warley.	Rainham and Wennington.	
Small-pox ... ..	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Measles ... ..	6	1	5	...	...	...	...	5	...	...	...	1	...	...	...
Scarlet Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping-cough ... ..	6	2	4	...	...	...	...	1	...	...	...	...	...	...	...
Diphtheria and Mem- branous Croup ... ..	8	1	4	2	...	1	...	7	...	...	1	...	...	...	...
Croup ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Fever { Typhus ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
{ Enteric ... ..	1	...	...	1	...	...	...	...	...	...	1	...	...	...	...
{ Other contin'd ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza ..	2	...	...	...	...	1	1	...	...	...	1	...	1	...	...
Cholera ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhœa. (See notes at back.)	13	13	...	...	...	...	...	5	...	...	3	1	3	1	...
Enteritis (See notes at back.)	12	7	3	...	1	...	1	3	...	...	5	...	...	4	...
Puerperal Fever ... ..	1	...	...	...	...	1	...	1	...	...	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other septic Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis... ..	20	...	...	...	4	16	...	7	...	...	7	3	1	2	...
Other tubercular Dis- eases ... ..	4	...	2	2	...	...	...	1	...	...	3	...	...	...	...
Cancer, Malignant Disease ... ..	15	...	...	...	...	9	6	3	...	...	5	2	2	3	...
Bronchitis ... ..	22	5	1	...	...	7	9	9	2	2	3	3	2	1	...
Pneumonia ... ..	29	6	6	2	1	10	4	11	1	1	2	9	3	2	...
Pleurisy... ..	1	...	...	...	...	1	...	...	...	...	1	...	...	...	...
Other Diseases of Res- piratory Organs ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Alcoholism { Cirrhosis of Liver ... ..	2	...	...	...	...	1	1	2	...	...	...	...	...	...	...
Venereal Diseases ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Premature Birth ... ..	19	19	...	...	...	...	...	11	...	...	5	...	3	...	...
Diseases and Accidents of Parturition ... ..	1	...	...	...	...	1	...	...	...	...	1	...	...	...	...
Heart Diseases ... ..	18	...	...	...	1	9	8	4	1	...	7	3	2	1	...
Accidents ... ..	5	...	...	...	...	4	1	3	...	...	1	1	...	...	...
Suicides .. ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
All other Causes ... ..	67	26	3	3	2	14	20	17	...	2	21	7	10	11	...
All Causes ... ..	253	80	29	10	9	75	51	90	4	5	70	31	28	25	...

