

Annual report of the Medical Officer of Health 1897 / Romford Rural District Council.

Contributors

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ROMFORD RURAL DISTRICT COUNCIL.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

1897.


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, 1897.

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 during the year for
preventing the spread of disease.*

No.	Date.	Disease.	Locality.	Origin of Disease. Action Taken.	Result.
1	Jan. 2	Scarlet Fever -	Cottage Homes, Hornchurch	One case. Supposed to be brought in by visitors. Advice given.	See No. 6.
2	„ 2	Diphtheria -	Wennington - -	One case. In a family where the disease had previously existed. Local nuisance. Report, and sanitary defect remedied.	No further case.
3	„ 11	Typhoid Fever	Dagenham - -	Two cases. Children in one family. Source uncertain. No local Sanitary defects. Usual Instructions.	No. other case.
4	„ 21	Diphtheria -	Rainham - - -	One case. Origin obscure.	
5	„ 26	Typhoid Fever	Hornchurch - -	Ditto. Ditto.	
6	„ 26	Scarlet Fever -	Cottage Homes, Hornchurch	Two cases. See No. 1.	
7	„ 26	Diphtheria -	Harold Wood -	One case. Drains in the locality offensive and imperfect. Report to Sanitary Authority on drain- age arrangements of Harold Wood.	No further case.
8	„ 26	Typhoid Fever	Beacontree Heath	Two cases in one family. Ditch foul from cesspool overflow. Usual advice.	No other case.
9	Feb. 6	Diphtheria -	Cottage Homes, Hornchurch	One case. Origin unknown.	
10	„ 7	Diphtheria -	Marks Gate - -	Ditto. Ditto. This was probably a case of Scarlet Fever. See next case.	
11	„ 7	Scarlet Fever -	Marks Gate - -	Three cases. Imported from London. Usual instruction. Disinfected, &c., after recovery.	No other case.

No.	Date.	Disease.	Locality.	Origin of Disease. Action taken.	Result.
12	Feb. 7	Diphtheria -	Hamilton Road	One case. Local nuisance. Remedied.	No other case.
13	Mar. 4	Diphtheria -	Claremont Road	One case. Overflowing cesspool causing nuisance. This con- dition since remedied by connection with new sewer.	No other case.
14	" 10	Diphtheria -	London Road -	One case.	
15	" 10	Scarlet Fever -	Chadwell Heath	One case. Origin unknown. Instruction. Disinfection.	No other case.
16	" 11	Typhoid Fever	Dagenham - -	One case. Local nuisance. Instruction, &c.	
17	" 11	Diphtheria -	Dagenham - -	One case. Local nuisance.	
18	" 11	Diphtheria -	Cottage Homes, Hornchurch	One case. Imported.	
19	" 25	Scarlet Fever -	Poplar Street -	Ditto. Ditto.	
20	Apl. 8	Scarlet Fever -	Chadwell Heath	One case. From No. 13.	
21	May 1	Diphtheria -	Rush Green - -	One case. Origin obscure.	
22	" 5	Scarlet Fever -	Chadwell Heath	One case. From No. 13.	
23	" 6	Diphtheria -	Collier Row - -	One case. Local nuisance. Remedied.	No other case.
24	" 15	Diphtheria -	Beacontree Heath	Ditto. Ditto.	
25	" 17	Scarlet Fever -	Poplar Street -	One case. From No. 17	
26	" 21	Diphtheria -	Dagenham - -	One case. Origin obscure.	
27	" 25	Scarlet Fever -	Poplar Street -	One case. From No. 17	
28	" 25	Diphtheria -	Squirrels Heath	Two cases. Local nuisances. Remedied.	No other case.
29	June 4	Scarlet Fever -	Poplar Street -	One case. In same house as No. 25	
30	" 9	Diphtheria -	Dagenham -	Three cases in two families. Local nuisances.	
31	" 15	Scarlet Fever -	Marlboro' Road -	One case. From No. 25. In- struction, &c.	
32	" 21	Diphtheria -	Great Warley -	One case. Local nuisances.	See No. 77

No.	Date.	Disease,	Locality.	Origin of Disease. Action taken.	Result.
33	July 2	Diphtheria -	Great Warley -	One case. Same house.	
34	„ 19	Scarlet Fever -	Rainham - - -	One case. Infection imported. Instruction, &c.	
35	„ 19	Scarlet Fever -	Great Warley -	One Case, same house as No. 30.	
36	„ 19	Scarlet Fever -	Rainham - - -	Another case in same house as No. 32.	
37	Aug. 13	Scarlet Fever -	Chadwell Heath-	One case. From other cases pre- viously existing in the neigh- bourhood. Instruction, &c.	
38	„ 13	Typhoid Fever	Dagenham - -	One case. Local nuisance. In- struction, &c.	
39	„ 31	Scarlet Fever -	Great Warley -	One case, from No. 33. In- struction, &c.	
40	„ 31	Typhoid Fever	Dagenham - -	One case. Local nuisance. In- struction, &c.	
41	„ 30	Diphtheria -	Havering Road, Romford	One case. Local nuisance.	
42	Sep. 10	Typhoid Fever	Dagenham - -	Two cases in two houses. Child- ren. No local sanitary defect. Disease supposed to have been contracted at Dagenham where the children attend school. Instruction, &c.	No further case.
43	„ 13	Diphtheria -	Great Warley -	One case.	See No. 77.
44	„ 13	Typhoid Fever	Dagenham - -	One case. same house as No. 38.	
45	„ 13	Scarlet Fever -	Rainham - - -	One case. Near No. 34. In- struction, &c.	
46	„ 21	Typhoid Fever	Bennett's Castle Lane	One case. Local sanitary defects. Reported. Instructions, &c.	Defect remedied. No further case.
47	„ 22	Scarlet Fever -	Rainham - - -	One case. From No. 34. In- struction, &c.	
48	„ 22	Diphtheria -	Great Warley -	Two cases in one house.	See No. 77.
49	„ 26	Scarlet Fever -	Rainham - - -	One case. Near No. 34.	
50	„ 26	Typhoid Fever	Wennington - -	Two cases in two adjacent houses. Local drainage defective. In- struction, &c. Reported to Sanitary Authority. Defect remedied.	No further case.

No.	Date.	Disease.	Locality.	Origin of Disease. Action taken.	Result.
51	Sep. 28	Diphtheria -	Park Lane - -	One case. Local nuisances from sewage overflowing into an adjacent ditch. Nuisance since remedied by connection of drain with the new sewers.	No other case.
52	„ 28	Diphtheria -	Great Warley -	One case. See No. 77.	
53	„ 30	Diphtheria -	Great Warley -	Two more cases. Near No. 77.	
54	Oct. 2	Scarlet Fever -	Wennington -	Two cases in an isolation hospital with training ship on river. Case contracted on board, outside district.	
55	„ 5	Scarlet Fever -	Wennington -	One case. Ditto ditto.	
56	„ 6	Typhoid Fever	Dagenham - -	Two cases. Local Nuisance. Instruction, &c. Report to Sanitary Authority.	
57	Oct. 7	Scarlet Fever -	Wennington Hospital	One case.	See No. 54.
58	„ 7	Scarlet Fever -	Rainham - - -	One case.	See No. 47.
59	„ 8	Scarlet Fever -	Rainham - - -	Two cases.	See No. 47.
60	„ 9	Typhoid Fever	Beacontree Heath	Two cases in two cottages. Local nuisance from ditches full of sewage overflow. Report to Sanitary Authority. Instructions, &c.	
61	„ 15	Typhoid Fever	Dagenham - -	One case. Local nuisance. Instructions, &c.	
62	„ 16	Diphtheria- -	Great Warley -	One case.	See No. 77.
63	„ 20	Diphtheria -	Great Warley -	Ditto.	See No. 77.
64	„ 20	Typhoid Fever	Dagenham - -	One case. Local nuisance. Report. Instructions, &c.	
65	„ 20	Scarlet Fever -	Rainham - - -	One case.	See No. 47.
66	„ 21	Scarlet Fever -	Rainham - - -	Ditto.	See No. 47
67	„ 22	Typhoid Fever	Beacontree Heath	One case. Local nuisance from sewage.	
68	„ 24	Diphtheria -	Puddle Dock, Hornchurch	One case. Local nuisance. Remedied.	

No.	Date.	Disease.	Locality.	Origin of Disease. Action taken.	Result.
69	Oct. 25	Diphtheria -	Collier Row - -	One case. Local nuisance. Remedied.	
70	" 25	Diphtheria -	Rush Green - -	Ditto. Ditto.	
71	" 26	Typhoid Fever	Beacontree Heath	Two cases, two families. Same conditions as in Nos. previously mentioned. Instructions, &c.	
72	" 26	Typhoid Fever	Great Warley -	One case. Origin not known. Instructions, &c.	
73	" 26	Typhoid Fever	Upminster - -	One case. Local sanitary defects. Drain under floor of passage faulty, sewer gas escaping into house. Defects remedied. In- structions, &c.	No other case.
74	" 29	Typhoid Fever	Dagenham - -	One case. Faulty drains. Reme- died. Instructions.	No other case.
75	" 29	Scarlet Fever -	Rainham - - -	One case.	See No. 47.
76	" 30	Typhoid Fever	Dagenham - -	Two cases in two houses. Sanitary condition as in No. 64. Instructions, &c.	
77	Nov. 6	Diphtheria -	Great Warley -	Foul ditch from cesspit over-flow connected with cottages ad- jacent to the school. Several cases occurred here. See Nos. 62, 32, 48. School was closed for a few weeks. Report to Sanitary Authority. Owner of cottage called on to provide pail closets (to be periodically emptied by the Sanitary Authority) and to fill up the present filthy cesspits. This was done.	No further cases after the Sanitary arrange- ments were improved as directed.
78	" 9	Typhoid Fever	Beacontree Heath	One case. Same condition existing here as in the previous case.	
79	" 10	Typhoid Fever	Dagenham, Station Road	One case. Overflowing cesspool in the locality. A constantly recurring nuisance. Instruc- tion, &c.	
80	" 11	Diphtheria -	Great Warley -	Two cases.	See No. 77.
81	" 15 } " 17 }	Diphtheria -	Great Warley -	Four cases.	See No. 77.
82	" 15	Typhoid Fever	Beacontree Heath	One case.	See No. 71.

No.	Date.	Disease.	Locality.	Origin of Disease. Action taken.	Result.
83	Nov. 20	Scarlet Fever -	Rainham - -	Two cases.	See No. 47.
84	" 24	Scarlet Fever -	Rainham - -	Ditto. Ditto.	
85	Dec. 6	Diphtheria -	Upminster Common	A doubtful case. No special Sanitary defects.	
86	" 6	Diphtheria -	Squirrels Heath	One case. Ditto.	
87	" 10	Scarlet Fever -	Rainham - -	Five cases in one House.	See No. 47.
88	" 11	Typhoid Fever	Beacontree Heath	One case in same house.	See No. 60.
89	" 11	Typhoid Fever	Station Road, Dagenham	Two cases in two houses. Same insanitary conditions as No. 79. Instructions, &c.	
90	" 12	Scarlet Fever -	Harold Wood -	One case, imported. Instructions, &c.	No other case.
91	" 14	Scarlet Fever -	Cottage Homes, Hornchurch	One case. Ditto.	No other case.
92	" 22	Typhoid Fever	Beacontree Heath	Three cases in two houses. Same insanitary conditions as No. 71. Report and S. A. Instructions.	
93	" 26	Typhoid Fever	Beacontree Heath	Two cases in two houses. Same as No. 71.	
94	" 26	Typhoid Fever	Dagenham - -	Two cases. As before.	
95	" 28 " 28	Typhoid Fever	Station Road, Dagenham	Five cases in Union House. Same conditions as before.	No further cases after this.
96	" 27	Diphtheria -	Great Warley -	One case. See No. 77.	No further cases after this.
97	" 27	Scarlet Fever -	Rainham - -	One case. See No. 47. In- structions. Disinfection after recovery. Notice given to Schoolmaster, of existence in families of all these cases, as they are notified to me.	No further cases after this.

It will be seen from the foregoing table that infectious diseases did not prevail so extensively as in the previous year. The following is a succinct account of the different infectious diseases notified during the year.

Scarlet Fever.—Forty-three cases of this disease were notified from various parts of the district, the localities where the disease prevailed being as under :—

Collier Row and Neighbourhood	..	8
Dagenham and Chadwell Heath	..	3
Hornchurch	.. ..	4
Rainham and Wennington	.. ..	26
Great Warley	.. ..	2
Total		43

It was only in Rainham where the disease became at all epidemic. The steps taken to prevent the spread of this disease were (in the absence of an Isolation Hospital for the district) confined to giving personal instructions as to isolation, supplying disinfectants, and disinfecting the premises. In the case of children attending School, notice was given to the School Authorities not to admit children from the infected houses.

Diphtheria.—Thirty-eight cases occurred in the localities specified as under :—

Dagenham	.. ..	4
Romford (Extra Urban)	.. ..	5
Collier Row	.. ..	3
Squirrels Heath	.. ..	2
Hornchurch	.. ..	6
Great Warley	.. ..	15
Rainham and Wennington	.. ..	2
Upminster	.. ..	1
		38

Most of these cases were associated with drainage nuisances; in the case of Great Warley, it was supposed that school attendance had something to do with the number of cases in that locality, and the school was temporarily closed. Close to the school was a very foul sanitary defect, caused by the overflow of privy cesspits into a roadside ditch; these cesspits were filled in, pail closets provided, and arrangements made by the Council for the weekly emptying of the pails.

Typhoid Fever.—Forty-four cases of this disease were notified as under :—

Dagenham and Beacontree Heath, &c...	38
Hornchurch	1
Upminster	1
Great Warley	1
Rainham	3
	<hr/>
	44
	<hr/>

It will be seen from the above that in the parish of Dagenham (comprising Beacontree Heath) a very large number of cases of typhoid fever occurred. The want of an infectious hospital was seriously felt in the treatment of these cases and in the steps taken to prevent the spread of the disease. Recently, until the completion of the Isolation Hospital, now, I am thankful to say, in course of being provided, arrangements have been made for admitting cases into the Barking Hospital, and several have been taken there. Nearly all these cases of typhoid fever were associated with bad sanitary conditions (overflowing cesspools, sewage discharged into ditches adjacent to cottages, &c. &c.), and reports were made by me to the Council.

II.—An account of the Sanitary condition of the District generally, at the end of 1897.

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, 4,850. 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. The system recommended by me, and at one time all but sanctioned by the Sanitary Authority, was, I believe, frustrated by the short-sighted opposition of the Parish Council in 1896. Birth-rate 31·5. Death-rate 18·7. Death-rate from zymotic disease, 1·4 per 1,000 of the population.

COLLIER ROW stands on the London clay. Estimated population 850. Scattered houses and groups of houses. Privies. Water-supply partly from wells and partly from South Essex Company; some portion badly supplied, owing to the distance of the dwellings from the mains. Local nuisances from sewage overflowing from cess-pits, &c., into ditches, requiring frequent interference from the Sanitary Inspector. Birth-rate 27·05. Death-rate 21·1. Death-rate from zymotic disease, 1·1.

N.B.—It is impossible to gauge the sanitary condition of sparsely-populated localities such as this by the death-rate, the occurrence of a few casual deaths apparently and erroneously giving a large rate of mortality for the small population.

HAVERING stands high on pebble sand, bounded by London and boulder clay. Population 490. 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 localities being mainly from ponds, which, in some instances, are decidedly unfit for use. Birth-rate 10·2. Death-rate, *nil*. Death-rate from zymotic disease, *nil*.

NOAK HILL, ROMFORD COMMON, AND SQUIRRELS HEATH.—Estimated population 1,260. Noak Hill stands high on London and boulder clay. A small scattered hamlet. Agricultural. Privies. Water supply from wells. Romford Common and Squirrels Heath stand less high, partly on London clay and partly on gravel. Agricultural, and railway employees at Great Eastern Railway Provender and Tarpaulin Factory. Privies and cesspools. Water supply, mostly good, from South Essex Company. Romford Common is badly supplied, the water-bearing strata (as in the adjoining district of Havering), being said to be difficult to tap. Birth-rate 32·5. Death-rate 12·6. 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 4,200, principally agricultural, foundry works, and a brewery in the village. A large bicycle manufactory, employing about 100 men and boys, near the village. No system of scavenging. 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. That portion of the parish of Hornchurch running into the town of Romford, which was in an extremely unsatisfactory condition as regards its sewage removal, cesspools overflowing, and ditches full of stagnant filth frequently causing interference from the Sanitary Inspector, has been vastly improved by the system of sewerage recently completed. Birth-rate 30·8. Death-rate 13·08. Death-rate from zymotic disease 0·4.

UPMINSTER, CRANHAM, AND CORBETS TEY.—Adjacent villages, standing on high ground, mostly brick earth, some gravel. Population

1,970. Agricultural. Privies and cesspools. Some few of the latter polluting roadside ditches. Water supply mostly from South Essex Company. Some wells. Birth-rate 23·4. Death-rate 10·7. Death-rate from zymotic disease, *nil*. A system of sewerage for the locality in course of adoption.

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 1,850. Agricultural. Privies and cesspools. Nuisances. Water supply partly from South Essex Company and partly from wells. The more sparsely-populated part of the parish is badly supplied, ponds being the sole source of supply in some portions of the district. Birth-rate 35·6. Death-rate 12·9. Death-rate from zymotic disease 1·6. A system of sewerage for this district, on the septic principle, has been recently completed. So far, it answers admirably, the effluent being very good and there being no local nuisance.

RAINHAM AND WENNINGTON lie low on gravel and alluvium at the edge of the Thames. Marshy. Village of 2,140 inhabitants. Agricultural and river traffic. Tidal stream runs through Rainham to the Thames, about one mile distant. No system of sewage removal or scavenging. 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 wells, some of which are polluted. Birth-rate 34·1. Death-rate 14·9. Death-rate from zymotic disease 0·4.

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., necessitating official interference by the Sanitary Inspector, who called in my

assistance when it was deemed necessary. These instances of nuisances are included in the list detailed in a later part of this report. Special reports were, when necessary, submitted to the Council with regard to their conditions.

DAGENHAM, BEACONTREE HEATH, AND CHADWELL HEATH.—
March 6th.—*Dagenham.*—*Station Road.*—Overflowing cesspool. Notice.
Cleansed.

March 6th.—*Ditto.*—Houses dangerous and dilapidated. Notice.
Repaired.

March 10th.—*Ditto.*—*Station Road.*—Foul cesspool. Notice.
Cleansed.

March 25th.—*Oxlow Lane.*—House unfit for habitation. Notice
Repaired.

March 29th.—*High Street, Dagenham.*—Foul cesspool. Notice.
Cleansed.

March 29th.—*Beacontree Heath.*—*Ditto.*

March 29th.—*Dagenham.*—*Kittle Cottage.*—*Ditto.*

March 29th.—*Ditto.*—House damaged and dilapidated. Notice.
Repaired.

March 30th.—*Dagenham.*—*Station Road.*—Houses without sanitary appliances. Notice to construct properly cemented cesspools for 39 houses. Notice not enforced by Sanitary Authority.

April 5th.—*Bull Street, Dagenham.*—Defective cesspool. Sewer gas escaping into house. Typhoid fever here. Notice. Cleansed.

April 6th.—*Beacontree Heath.*—Foul accumulation of manure close to house. Notice. Removed.

April 13th.—*Ditto.*—Foul ditch from sewer overflow. Notice.
Cleansed.

April 13th.—*Kittle's Cottage, Dagenham.*—House with no water supply owing to pump being broken. Notice. Remedied.

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

April 30th.—Ditto.

June 4th.—Ditto.

June 4th.—*Bull Street, Dagenham.*—Ditto.

June 12th.—*Coppen's Cottage.*—Ditto.

June 17th.—*Bell's Cottage.*—Ditto.

July 6th.—*Chadwell Heath.*—Swine kept so as to be a nuisance. Notice. Removed.

July 6th.—Ditto.—Foul accumulation of manure close to house. Notice. Removed.

July 21st.—Ditto.—Swine kept so as to be a nuisance. Notice. Removed.

Sept. 2nd.—*Dagenham.*—Foul cesspool. Notice. Cleansed.

Sept. 2nd.—*Beacontree Heath.*—Ditto.

Sept. 2nd.—*Dagenham.*—Ditto.

Sept. 2nd.—*Beacontree Heath.*—Ditto.

Oct. 2nd.—*Dagenham.*—*Station Road.*—Ditto.

Oct. 2nd.—Ditto.

Oct. 2nd.—Ditto.

Oct. 2nd.—*Dagenham.*—*Chadwell Lane.*—Ditto. Typhoid fever here. Notice. Cleansed.

Oct. 16th.—*Bull Street, Dagenham.*—No water supply to a house owing to pump being out of repair. Notice. Remedied.

Oct. 28th.—*Dagenham.*—Foul ditch. Notice. Cleansed.

Oct. 28th—Beacontree Heath—Foul accumulation of manure. Notice. Removed.

Oct. 26th.—Church Elm, Dagenham.—Ventilating shaft to sewer defective and opening too near bedroom window. Typhoid fever here. Notice to repair and carry shaft up higher. Remedied.

Dec. 22nd.—New Road, Dagenham.—Foul privies. Notice. Cleansed.

Dec. 22nd.—Bull Street, Dagenham.—Foul cesspool. Notice. Cleansed.

COLLIER ROW AND ROMFORD, EXTRA URBAN DISTRICT.—
Jan. 22nd.—Collier Row.—Foul ditch from cesspool overflow. Notice. Cleansed.

Jan. 22nd.—Ditto—Foul cesspool. Notice. Cleansed.

Jan. 22nd.—Ditto—Foul piggeries. Notice. Removed.

Feb. 28th.—Havering Road.—Defective drain. Notice. Remedied.

March 3rd.—Hainault Road.—Foul cesspool. Notice. Cleansed.

March 15th.—Marlborough Road.—Cottage with insufficient closet accommodation. Notice. Remedied.

March 16th.—Collier Row.—Foul cesspool. Notice. Cleansed.

March 16th.—Ditto.

March 29th.—Mark's Gate.—Foul cesspool. Defective traps. Notice. Remedied.

March 29th.—Rose Lane.—Foul cesspool. Notice. Cleansed.

April 12th.—Collier Row.—Ditto.

April 21st.—Hainault Road.—Ditto.

May 6th.—Collier Row.—Sewage overflow on to road. Notice. Remedied.

May 6th.—Marks Gate.—Foul cesspool. Notice. Cleansed.

May 29th.—Prospect Place.—Blocked drains, overflowing. Notice. Cleansed.

May 29th.—Prospect Place.—Foul cesspool. Dilapidated cottage. Notice. Cesspool cleansed. Cottage repaired.

May 29th.—Prospect Place.—Foul cesspool. Notice. Cleansed.

June 2nd.—Marks Gate.—Ditto.

June 2nd.—Marks Gate.—Ditto.

June 4th.—Collier Row.—Ditto.

June 21st.—Marks Gate.—Ditto.

June 26th.—Marks Gate.—Ditto.

July 2nd.—Collier Row.—Ditto.

Sept. 6th.—Collier Row.—Ditto.

Sept. 6th.—Collier Row.—Swine kept so as to be a nuisance. Notice. Removed.

Sept. 6th.—Collier Row.—Foul accumulation near house. Notice. Removed.

Sept. 6th.—Marks Gate.—House damp and dilapidated. Unfit for habitation. Notice. Closed.

Oct. 13th.—Collier Row.—Swine kept so as to be a nuisance. Notice. Removed.

Oct. 23rd.—Collier Row.—Foul cesspool. Notice. Removed.

Oct. 29th.—Collier Row.—Cowshed filthy. Notice. Cleansed.

Nov. 8th.—Hainault Road.—Foul cesspool. Notice. Cleansed.

Nov. 24th.—Hainault Road.—Foul ditch. Ditto.

Dec. 13th.—Marlborough Road.—Blocked drains. Ditto.

Dec. 17th.—Collier Row.—Filthy and dilapidated cottage. Notice. Closed.

Havering.—March 12th.—Havering Brickfield.—Cottage dilapidated, damp, and unfit for habitation. Notice. Closed.

April 20th.—Havering.—Foul cesspool. Notice. Cleansed.

May 11th.—Havering.—Foul ditch. Ditto.

NOAK HILL, ROMFORD COMMON, AND SQUIRRELS HEATH.—Jan. 7th.—Heath Park.—Foul cesspool. Notice. Cleansed.

Jan. 11th.—Heath Park.—Foul defective traps. Notice. Remedied.

Feb. 18th.—Romford Common.—Foul ditch. Notice. Cleansed.

Feb. 18th.—Noak Hill.—Ditto.

Feb 22nd.—Hare Street.—Defective drains. Notice. Remedied.

March 11th.—Squirrels Heath.—Foul cesspool. Notice. Cleansed.

March 19th.—Heath Park.—Ditto.

April 8th.—Heath Park.—Ditto.

April 15th.—Romford Common.—Ditto.

April 15th.—Squirrels Heath.—Ditto.

April 24th.—Heath Park.—House with defective drains. Notice to provide proper cesspool, &c. Complied with.

April 24th.—Heath Park.—Foul cesspool. Notice. Cleansed.

April 28th.—Heath Park.—Ditto.

July 5th.—Squirrels Heath.—Ditto.

July 7th.—Hare Street.—Ditto.

July 16th.—Heath Park.—Ditto.

Aug. 16th.—Hare Street.—Accumulation of foul refuse near House. Notice. Removed.

Aug. 30th.—Hare Street.—Pond in Gidea Hall Park, adjacent to road, offensive owing to cesspool overflowing into it. Report to Council. Nuisance not abated.

Oct. 9th.—Heath Park.—Foul cesspool. Notice. Cleansed.

Oct. 21st.—Romford Common.—Ditto

Oct. 21st.—Squirrels Heath.—Defective drains to five houses. Notice to provide gullies and traps. Complied with.

Dec. 4th.—Heath Park.—Cottage filthy. Notice. Cleansed.

Dec. 6th.—Hare Street.—Foul cesspool. Notice. Cleansed.

Dec. 22nd.—Squirrels Heath.—Foul drain under cottage. Notice to remove drain. Complied with.

Dec. 22nd.—Squirrels Heath.—Foul cesspool. Notice. Cleansed.

Dec. 22nd.—Romford Common.—Ditto.

Dec. 22nd.—Romford Common.—Ditto.

HORNCHURCH.—Jan. 10th.—Hornchurch.—Foul privy pit. Notice. Cleansed.

Jan. 10th.—Oak Terrace, Hornchurch.—Overflowing cesspool. Notice. Cleansed. These houses now connected with the sewer.

Jan. 19th.—Harold Wood.—House with defective drains. Sewer gas escaping into house (Diphtheria). Notice. Remedied.

Feb. 10th.—Globe Road.—Foul cesspool. Notice. Cleansed. Now connected with sewer.

March 6th.—Oak Terrace.—Ditto.

March 10th.—Claremont Road.—Foul cesspool. Notice. Cleansed. Now connected with sewer.

March 10th.—Oak Terrace.—Ditto.

March 13th.—Globe Road.—Ditto.

March 29th.—Brentwood Road.—Ditto.

March 29th.—Brentwood Road.—Ditto.

April 19th.—Brentwood Road.—Ditto.

April 29th.—Brentwood Road.—Ditto.

April 29th.—Brentwood Road.—Ditto.

April 30th.—Harold Wood.—Foul and overflowing cesspool. Notice. Cleansed. Special report to Council on sanitary condition of Harold Wood.

May 28th.—Havering-Well.—Cottage with impure water supply. Delapidated. South Essex Water supplied. Cottage repaired.

June 3rd.—Park Lane.—Foul closet. Notice. Cleansed.

June 4th.—Lower Richmond Street.—Foul accumulation. Notice. Removed.

June 16th.—Hornchurch Village.—Swine kept so as to be a nuisance. Notice. Removed.

June 16th.—Hornchurch Village.—Foul ditch from overflowing cesspool. Notice. Cleansed.

June 26th.—Hornchurch Village.—Cottage without water supply. Notice. Water laid on.

June 27th.—Hornchurch Village..—Foul accumulation of manure. close to Board School. Notice. Removed.

Aug. 6th.—Lower Richmond Street.—Foul cesspool. Notice. Cleansed.

Aug. 6th.—Hornchurch Village.—Complaint made of foul manure brought from London and Tilbury Railway Station. Nuisance caused by this was very great. Notice served on L. T. & S. Ry. Company. Complied with.

Aug. 10th.—Harold Wood.—Foul cesspool. Notice. Cleansed.

Aug. 10th.—Ditto.

Aug. 10th.—Ditto.

Aug. 10th.—Ditto.

Oct. 11th.—Hornchurch.—Ditto.

Dec. 1st.—Harold Wood.—Ditto.

Dec. 17th.—Hornchurch.—Foul privies. Notice. Cleansed.

UPMINSTER, CRANHAM, AND CORBETTS TEY.

Jan. 7th.—Upminster.—Foul ditch and black drain. Notice. Cleansed.

Jan. 7th.—Cranham.—Ditto.

Jan. 30th.—Ditto.

March 17th.—Upminster.—Ditto.

April 2nd.—Upminster.—Foul ditch and black drain. Notice. Cleansed.

April 12th.—Ditto.—Houses with bad sanitary arrangements. Closets close to houses. Unhealthy. Report to Council. Nothing done.

April 13th.—Upminster.—Cesspool contents emptied on to a garden close to dwelling, causing a serious nuisance. Owner promised not to repeat action.

April 22nd.—Hacton.—Foul refuse close to dwelling. Notice. Removed.

April 22nd.—Corbets Tey.—Foul cesspool. Notice disregarded. by owner. Summoned. Cesspool cleansed.

May 11th.—Upminster.—Foul ditch. Notice. Cleansed.

May 11th.—Ditto.—Foul and dilapidated closets. Notice. Repaired and cleansed.

June 3rd.—Cranham.—Foul closets close to dwelling. Notice to remove closet farther away. Complied with.

June 11th.—Hacton.—Foul ditch. Notice. Cleansed.

June 24th.—Cranham.—Ditto.

July 21st.—Hacton.—Ditto.

August 13th.—Cranham.—Ditto.

August 30th.—Upminster Common.—Cottage damp and dilapidated. Condemned. Ultimately repaired and re-occupied.

Sept. 13th.—Upminster.—Foul cesspool. Notice. Cleansed.

Sept. 30th.—Cranham.—Ditto.

Oct. 7th.—Upminster.—Blocked and defective draining under floor of house (typhoid). Notice. New drain, ventilating shaft, and intercepting chamber provided.

Oct. 11th.—Upminster.—House with defective soil-pipe. Notice. Removed.

Oct. 11th.—Upminster.—Blocked drain. Notice. Cleansed.

Oct. 25th.—Upminster.—Bakehouse dirty, &c. Ditto.

Nov. 12th.—Corbets Tey.—Foul ditch. Ditto

Nov. 20th.—Cranham.—Ditto.

GREAT WARLEY.—*Feb. 4th.—Great Warley.*—Accumulation of filth close to cottages. Notice. Removed.

Feb. 4th.—Great Warley.—Foul cesspool. Notice. Cleaned. Drain subsequently connected with sewer recently constructed.

Feb. 4th.—Ditto.

Feb. 4th.—Ditto.

Feb. 4th.—Ditto.

Feb. 4th.—Ditto.

March 2nd.—Ditto.

March 2nd.—Ditto.

March 2nd.—Ditto.

March 17th.—Ditto.

April 10th.—Ditto.—Accumulation of refuse near dwellings. Notice. Removed.

April 10th.—*Great Warley.*—Foul cesspool. Cleansed. Drain connected with sewer.

April 10th.—Ditto.

April 22nd.—Ditto.—Filthy cottage. Notice. Cleansed.

April 22nd.—Ditto.—Foul cesspool. Cleansed and connected.

April 22nd.—Ditto.

May 10th.—Ditto.—Foul accommodation. Notice. Removed.

May 24th.—Ditto.—Foul drain. Connected.

June 9th.—Ditto.

July 24th.—Ditto.—Defective trap and drain. Notice. Removed.

Aug. 15th.—Ditto.—Foul drain. Notice. Connected.

Aug. 15th.—Ditto.

Sept. 2nd.—Ditto.

Sept. 2nd.—Ditto.

Sept. 2nd.—Ditto.

Sept. 28th.—Ditto.

Sept. 28th.—Ditto.

Sept. 28th.—Ditto.

Oct. 28th.—Ditto.

RAINHAM AND WENNINGTON.—*July 6th.*—*Rainham.*—Foul cesspool. Notice. Cleansed.

Oct. 15th.—*Wennington.*—Drain foul. Defective trap. Escape of sewer gas (typhoid). Remedied.

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	129
„ pits	10
Obstructed drains	6
Dilapidated houses	17
Foul accumulations	29
Defective drains, traps, &c.	88
Swine removed	5
Foul ditches	32
Dilapidated closets	6
Houses closed	4
New wells sunk	7
Total	<hr/> 333 <hr/>

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

The following Sanitary Improvements are, in my opinion urgently needed.

1.—A slop and sub-soil drainage for the Village of Dagenham and for Beacontree Heath.

2.—A similar system for the Village of Rainham.

3.—Some system by which the Village of Hornchurch would be prevented from polluting the neighbouring ditches and watercourses.

4.—Arrangements for the scavenging of the more populous localities.

5.—The provision of an Isolation Hospital.

IV.—Tabular Statement of Sickness and Mortality within the District, according to Diseases, Ages, and Locality.

The birth and death rates of the different localities forming the Romford Rural District are shown in the following table, the rates for the past five years being shown side by side, by way of comparison.

It is to be borne in mind that it is only in those localities where there exists a considerable population, that a comparison of death-rate will convey an accurate estimate of the relative healthiness of such localities for the year, as the occurrence of a few deaths of a casual nature would, in a sparsely-populated locality, materially augment the per centage of mortality, and thus give an erroneous idea of the healthiness of that particular locality.

LOCALITY.	1893.		1894.		1895.		1896.		1897.	
	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	39.06	22.9	32.4	16.2	38.4	17.5	35.2	12.7	31.5	18.7
Collier Row - - -	32.5	30.0	32.3	21.1	25.6	14.6	28.04	24.3	27.05	21.1
Havering - - -	38.2	6.5	21.2	6.4	25.5	6.3	21.05	4.2	10.2	nil.
Noak Hill, Romford Common, and Squirrels Heath - - -	23.7	9.0	25.1	12.1	25.6	9.7	11.3	12.1	32.5	12.6
Hornchurch - - -	30.9	11.9	35.1	10.1	29.2	16.3	29.5	12.7	20.3	13.8
Upminster, Cranham, and Corbets Tey - -	26.04	9.3	24.6	10.7	24.1	11.9	24.1	6.6	23.4	10.7
Great Warley - - -	42.9	10.1	39.3	11.01	42.3	15.8	37.7	16.6	35.6	12.9
Rainham & Wennington	28.6	25.6	32.9	14.7	32.3	15.4	32.8	15.2	34.1	14.9

Tables of mortality and of sickness are enclosed, and will be found at the end of this Report. They are compiled according to the forms provided by the Local Government Board. Diseases of a

zymotic character proved fatal in 15 instances; the death-rate from this class of disease for the entire district having been 0·85 per 1,000. The following table shows the nature and distribution of fatal zymotic disease in the different localities of the district:—

	Dagenham.	Collier Row.	Havering.	Noak Hill and Squirrels Heath.	Upminster and Cranham.	Great Warley.	Rainham and Wennington.	Hornchurch.
Small Pox								
Scarlet Fever								
Diphtheria	1	1				3	1	1
Typhoid Fever	3							1
Measles								4

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	36,424
Population	17,610

General death-rate 14·4 per 1,000.

Infant death-rate (under 1 year) 4·03 per 1,000.

I am, Gentlemen,

Your obedient Servant,

ALFRED WRIGHT.

The Lodge, Romford.

March 19th, 1898.

TABLE (A).

TABLE OF DEATHS during the Year 1897, in the Romford Rural Sanitary

NAMES OF LOCALITIES adopted for the purpose of these Statistics; public institutions being shown as separate localities. (Columns for Population and Births are in Table B.) (a)	MORTALITY FROM ALL CAUSES, AT SUBJOINED AGES.							MORTALITY FROM				
	At all Ages (b)	Under 1 year. (c)	1 and under 5. (d)	5 and under 15. (e)	15 and under 25. (f)	25 and under 65. (g)	65 and upwards. (h)	(i)	Small-pox. 1.	Scarlatina. 2.	Diphtheria. 3.	Membranous Croup. 4.
Dagenham, Beacontree Heath, and Chadwell Heath }	88	33	17	9	2	16	11	Under 5 5 upwds.	...	...	...	...
Collier Row - - -	18	3	1	2	1	2	9	Under 5 5 upwds.	...	...	1	...
Havering - - -	...	...	...	...	...	...	...	Under 5 5 upwds.	...	...	...	...
Noak Hill, Romford Common, and Squirrels Heath }	16	2	1	...	1	7	5	Under 5 5 upwds.	...	...	...	...
Hornchurch - - -	55	19	12	2	...	14	8	Under 5 5 upwds.	...	...	1	...
Upminster, Cranham, and Corbets Tey }	21	3	3	1	1	5	8	Under 5 5 upwds.	...	...	...	...
Great Warley - - -	24	9	2	...	2	5	6	Under 5 5 upwds.	...	...	3	...
Rainham and Wennington -	32	12	4	1	4	4	7	Under 5 5 upwds.	...	...	1	...
TOTALS - - -	254	81	40	15	11	53	54	Under 5 5 upwds.	...	...	3 4	...
The subjoined numbers have also to be taken into												
Deaths occurring outside the district among persons belonging thereto - }	...	...	...	...	...	...	...	Under 5 5 upwds.	...	...	...	...
Deaths occurring within the district among persons not belonging thereto - }	...	...	...	...	...	...	...	Under 5 5 upwds.	...	...	...	...

TABLE (B).

TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to
Romford Rural Sanitary District; classified

SOURCES OF INFORMATION	NAMES OF LOCALITIES adopted for the purpose of these Statistics; Public Institutions being shown as separate localities.	POPULATION AT ALL AGES.		Registered Births.	Aged under 5 or over 5.
		Census. Last	Estimated to middle of 1897.		
	(a)	(b)	(c)	(d)	(e)
<p>The figures of the columns following column (e) will have been derived from the returns of Poor Law Medical Officers, from the practice of public institution in or near the Rural District, and from other medical practice.</p> <p>The Officer of Health making this report is desired to state below the number of persons BELONGING to this division or district, who have during the year newly come under treatment for ALL KINDS of disease and injury, and of whose cases he has had information.</p> <div style="border: 1px solid black; padding: 5px;"> <p>.....in Workhouse and Workhouse Infirmary</p> <p>.....among Out-door Paupers</p> <p>.....as In-patients of.....Hospital</p> <p>.....as Out-patients of.....Hospital</p> <p>.....</p> <p>.....as Out-patients of .....Dispensary</p> <p>.....</p> <p>*.....in other practice</p> </div> <p>* This refers to cases of sickness not included in the previous classes, if the Medical Officer of Health has information of such cases from other sources.</p>	Dagenham, Beacon- tree Heath, and Chadwell Heath - }	4,322	4,850	153	Under 5 5 upwds.
	Collier Row - -	790	850	23	Under 5 5 upwds.
	Havering - -	480	490	5	Under 5 5 upwds.
	Noak Hill, Romford Common, and Squirrels Heath }	1,199	1,260	41	Under 5 5 upwds.
	Hornchurch - -	3,841	4,200	130	Under 5 5 upwds.
	Upminster, Cran- ham, and Corbets Tey - - - }	1,874	1,970	45	Under 5 5 upwds.
	Great Warley - -	1,609	1,850	66	Under 5 5 upwds.
	Rainham and Wennington }	1,957	2,140	71	Under 5 5 upwds.
	Romford (Extra- Urban) - - }	...	...	...	5 upwds Under 5
	TOTALS -	16,042	17,610	534	Under 5 5 upwds.

TABLE (B).

the knowledge of the Medical Officer of Health, during the year 1897, in the
according to DISEASES, AGES, and LOCALITIES.

New Cases of Sickness in each Locality, coming to the knowledge of the Medical Officer of Health.												Number of such Cases Removed from their Homes in the several localities for treatment in Isolation Hospital.
Small-pox. 1	Scarlatina. 2	Diphtheria. 3	Membranous Croup. 4	FEVERS.					Cholera. 10	Erysipelas. 11	Other Diseases, such as Chicken Pox, or Pneumonia, which the Medical Officer of Health thinks well to record.	
				Typhus. 5	Enteric or Typhoid. 6	Continued. 7	Relapsing. 8	Puerperal. 9				
...	...	4
...	3	33
...	2
...	6	3	1
...
...
...
...	...	2	3
...	2
...	2	1	3
...
...	...	1	1
...	...	3
...	2	12	1	1
...	10
...	16	2	3	2
...
...	...	5
...	14	7
...	29	25	44	10



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