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Egham Urban Sanitary District.

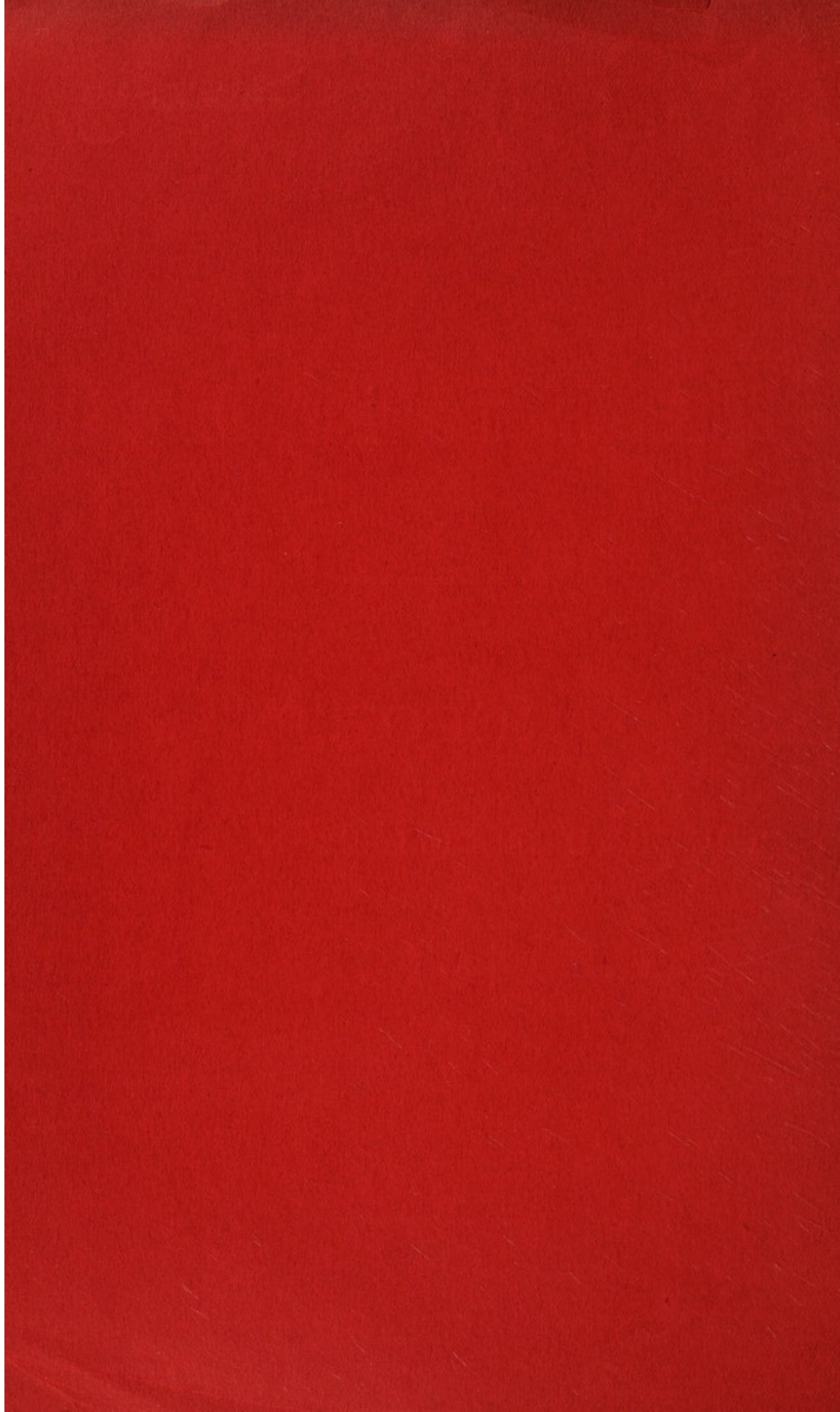
REPORT

OF

THE MEDICAL OFFICER OF HEALTH

FOR

1912.



Egham Urban Sanitary District.

REPORT

TO THE URBAN DISTRICT COUNCIL OF
EGHAM, SURREY,

FOR


THE YEAR ENDING DECEMBER 31ST, 1912,

BY

G. TREW CATTELL, M.D., D.P.H.,
MEDICAL OFFICER OF HEALTH.

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Egham Urban Sanitary District.

STATISTICAL DETAILS OF CENSUS, 1911.

Area of District **7,786 acres**

Land, 7,621 acres.

Inland Water, 165 acres.

Population **12,551**

Nett Population after deducting inmates of Institutions, 11,686.

Occupied Houses **2,782**

Giving a density of occupation of 4·5 per house and about five per acre.

Geological Character.—East of the South - Western Railway the district is on the river drift gravels, to the west of this line it is mainly on the Bagshot formation except between Englefield Green and Virginia Water, where the London clay prevails.

Population.—During the decennial census period 1901-1911 an increase of population of 656 persons occurred. In the year 1912, 269 births and 145 deaths were registered, making an excess of births over deaths of 114. Allowing for removals and having regard to the annual increase during the last census period, the population for the district for the year is estimated to be 12'660.

Housing.—A large amount of work continues to be done by the officers of the Council in connection with the supervision

of the dwellings of the working classes. The work is becoming annually more arduous by reason of successive Acts of Parliament, dealing directly and indirectly with this matter. The tuberculosis clauses of the Insurance Act add considerably to the work in connection with Housing.

The houses occupied by the working classes are with few exceptions of a good type, and compare favourably with those of adjoining districts, very little building has been done during the year. Five new houses have been built against twenty-three in 1911, and twenty-six in 1910. Five houses were closed as unfit for occupation, four cases of overcrowding were dealt with and abated, and five dilapidated houses were repaired.

Sewerage and Scavenging.—No part of the district is sewered. The scavenging of dry refuse is carried out by the Authority in a satisfactory manner. Cesspits and Pail Closets are gradually being replaced by Water Closets. The approximate number of each being :—

Privies	...	...	...	30
E.C.'s	...	...	...	36
Cistern Flushed W.C.'s	...	...	...	1,220
Hand Flushed W.C.'s	...	...	...	1,460

Water Supply.—The South Western Suburban Water Company's mains extend over most of the district. The water from this corporation was formerly at times of indifferent quality, but since the inauguration of the new system of treatment of the Thames water by chlorine, the water supplied is much purer. Occasionally, owing either to an excess of chlorine being used or to a defect in the subsequent treatment, persons have complained of a disagreeable odour in the water.

The outlying parts of the district still depend largely on wells for their supply, seven samples were submitted to analysis, three of which were found to be unfit for domestic use.

Isolation Hospital.—The Hospital which was opened early in 1911 has done good work and thoroughly justified its erection; 34 cases—23 scarlet fever, 11 diphtheria—were admitted. Certain improvements and additions have been found to be necessary, and Dr. Farrar, the Local Government Board Inspector, held an inquiry into the matter in the Autumn and made some valuable suggestions which are now in the process of being carried out. These include new quarters for the nursing staff, erection of a cottage for the caretaker, and the enlargement and improvement of the laundry and various offices. Plans for the erection of a new block have also been prepared and submitted.

Notifiable Infectious Disease.—The number of cases of Infectious Disease notified during the year are given in the subjoined table. The two previous years are also given for comparison :—

	1910		1911		1912	
Scarlet Fever ...	28	...	23	...	25	
Diphtheria ...	7	...	15	...	11	
Erysipelas ...	4	...	10	...	7	
Enteric Fever ...	—	...	—	...	2	
Ophthalmia neonatorum	—	...	—	...	1	
	<hr/> 39		<hr/> 48		<hr/> 46	

Scarlet Fever.—The number of cases notified during the last three years is practically the same, and compares very favourably with the number recorded before the Isolation Hospital was opened. No fatal case was registered.

Diphtheria.—Of the eleven cases notified two were fatal.

Enteric Fever.—Two cases were notified both of which died. One was clearly imported. Some doubt existed as to the nature of the other case.

Tuberculosis.—Twenty-five cases were notified during the year. The apparent large increase is due to the fact that prior to 1912 only cases occurring in certain sections of the community could be notified. At present every form of this disease has to be reported.

Many cases of long standing were thus shown for the first time, and it is probable that a comparative diminution may be seen in the future. Under the Insurance Act treatment will be provided for persons suffering from this disease in its various stages. The administration of this section of the Act is in the hands of the County Council which is making provision for Dispensary and Sanatorium treatment. Eleven deaths were registered during the year, being 0·86 per 1,000 of estimated population.

Non-Notifiable Infectious Diseases :—

Whooping Cough.—This disease was prevalent during the 1st and 2nd quarters of the year among the children in the Elementary Schools at Englefield Green, Virginia Water, and Egham. Two deaths, both of infants, were registered as having occurred from this complaint.

Measles.—Two fatal cases were registered in 1912, both under two years of age. The disease was not present in an epidemic form at any time or period of the year.

Chicken Pox.—A few cases of this complaint came under notice, but do not call for any special remark.

Schools.—The elementary schools in the district were inspected at intervals, and were found to be always clean, well kept, and with an efficient water supply.

Sanitary Work.—Mr. W. Simpson, the Sanitary Inspector, reports having visited 250 premises during the year 1912, and having made thirty-five detailed inspections. Eighteen com-

plaints were received and seventy nuisances discovered. These being :—

Privies	...	...	...	...	5
W.C.'s	...	...	...	...	10
E.C.'s	...	...	...	...	3
House Drains	...	...	...	...	42
Bakehouses...	...	...	..	...	2
Overcrowded Houses	...	...	...	...	4
Dilapidated Houses	...	...	...	...	5

Nuisances were abated at forty-two premises, thirty-six informal notices were served, but in no case was it necessary to institute legal proceedings.

Thirty-two premises were disinfected after infectious disease.

All the premises used in connection with the preparation of food were regularly and frequently inspected both by the Medical Officer of Health and the Sanitary Inspector. These were invariably found to be well kept, clean and satisfactory, only a few minor defects were detected, and were subsequently remedied by the owner or occupier concerned. The slaughter-houses were visited while work was in progress. No case of tuberculosis in animals or meat was discovered. The milk supply of the district, both as regards quality and quantity, is good.

The cowsheds and dairies were frequently inspected and found to be well kept and clean.

Workshop and Factory Act.—The district is non-industrial. The major part is occupied by residential estates. There are no factories. Twenty-three workshops, including laundries and bakehouses were inspected frequently, and in every case were found to be clean, well kept, and in accordance with the Act.

Vital Statistics.—The number of births registered during the year was 269 : males 144, females 125. 266 of these were

born in the district, and three occurred outside the district, but to persons domiciled in Egham. This shows an increase of forty births over 1911.

One hundred-and-forty deaths were registered in the district, of these nineteen were non-residents, twenty-four persons belonging to Egham died away from home, making the nett deaths for the district for the year one hundred and forty-five males 68, females 77.

The annual rate per 1,000 living :—

	Births.	Deaths.		Deaths under 1 year. to 1,000 births.
		Crude.	"Corrected."	
England and Wales ...	23·8	13·3	13·3	95
London ...	24·7	13·6	14·3	90
Egham ...	21·0	11·5	11·4	71

It will be seen from the above table that both the birth and death rates are below those for England and London respectively.

Infantile Mortality.—Twenty-one deaths of infants under one year of age were registered, being twelve less than in 1911, in which year eight deaths were registered from Diarrhœa. It will be remembered that 1911 was remarkable for the great heat during the summer months. The summer of 1911 was wet and cold, and not a single death from Diarrhœa was registered. Eight deaths were attributed to Premature Birth, Atrophy, etc., two to Whooping Cough, and a like number to Convulsions.

EGHAM URBAN SANITARY DISTRICT.

TABLE I.
Vital Statistics of Whole District during 1912 and Previous Years.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.			TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFER-ABLE DEATHS		NETT DEATHS BELONGING TO THE DISTRICT.			
		Uncorrected Number.	Nett.		Number.	Rate.	of Non-residents registered in the District.	of Residents not registered in the District.	Under 1 Year of Age.		At all Ages.	
			Number.	Rate.					Number.	Rate per 1,000 Nett Births.	Number.	Rate.
1	2	3	4	5	6	7	8	9	10	11	12	13
1907	12,720	252	252	19·8	137	10·8	20	21	23	91	138	10·9
1908	12,871	281	281	21·8	156	12·1	24	18	22	78	150	11·6
1909	13,040	256	256	19·6	147	11·1	24	15	19	77	138	10·5
1910	13,209	276	276	20·8	121	9·1	19	10	16	57	112	8·4
1911	12,551	226	229	19·0	145	11·5	15	27	33	100	157	12·5
1912	12,660	266	269	21	140	11·5	19	24	21	71	145	11·4

TABLE II.
Cases of Infectious Disease notified during the Year 1912.

NOTIFIABLE DISEASE.	NUMBER OF CASES NOTIFIED.								TOTAL CASES REMOVED TO HOSPITAL
	At all Ages.	At Ages—Years.							
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 & up- wards.	
Small-pox ... ..	...	...	...	...	...	...	...	...
Cholera, Plague ... ..	...	...	...	...	...	...	...	...
Diphtheria (including } Membranous croup)	11	2	5	3	...	1	...	11	
Erysipelas	7	2	...	...	1	3	1	...
Scarlet fever	25	3	19	3	...	...	...	23
Typhus fever ... ..	...	...	...	...	...	...	...	...
Enteric fever	2	...	...	1	1	...	...	...
Relapsing fever ... ..	...	...	...	...	...	...	...	...
Continued fever ... ..	...	...	...	...	...	...	...	...
Puerperal fever ... ..	...	...	...	...	...	...	...	...
Cerebro-spinal Meningitis ... ..	...	...	...	...	...	...	...	...
Poliomyelitis ... ..	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis	25	2	3	3	7	9	1	...	
Ophthalmia Neonatorum	1	1	...	...	...	...	...	...
Totals	71	1	9	27	10	9	13	2	34

Isolation Hospital: Englefield Green.

EGHAM URBAN SANITARY DISTRICT.

TABLE III.

Causes of, and Ages at Death during the Year 1912.

CAUSES OF DEATH.						NETT DEATHS AT THE SUBJOINED AGES OF "RESIDENTS" WHETHER OCCURRING WITHIN OR WITHOUT THE DISTRICT.									TOTAL DEATHS WHETHER OF "RESIDENTS" OR "NON- RESIDENTS" IN INSITU- TIONS IN THE DISTRICT.
						All ages.	Under 1.	1 & under 2.	2 & under 5.	5 & under 15.	15 & und. 25.	25 & und. 45.	45 & und. 65.	65 & upwards.	
I						2	3	4	5	6	7	8	9	10		11
All causes	{	Certified	...	...	...	144	14	7	3	6	12	16	34	48	..
		Uncertified	...	...	...	1	...	...	...	...	...	1	...	...	...
Enteric Fever						1	...	...	...	...	...	1	...	...	...
Small-pox						...	...	...	...	...	...	...	...	...	...
Measles						2	...	1	...	...	1	...	...	...	...
Scarlet fever						...	...	...	...	...	...	...	...	...	...
Whooping-cough						1	1	...	...	...	...	...	...	...	...
Diphtheria and Croup						2	...	...	...	1	...	...	1	...	...
Influenza						2	1	...	...	...	...	...	...	1	...
Erysipelas						...	...	...	...	...	...	...	...	...	...
Phthisis (Pulmonary Tuberculosis)						10	1	...	...	...	1	2	3	3	...
Tuberculous Meningitis						1	...	...	1	...	...	...	...	...	...
Other tuberculous diseases						5	...	...	...	...	2	3	...	...	1
Cancer, malignant disease						14	...	1	...	...	...	...	6	7	...
Rheumatic fever						...	...	...	...	...	...	...	...	...	...
Meningitis						2	...	...	1	1	...	...	...	...	...
Organic Heart Disease						17	2	...	...	...	...	1	7	7	2
Bronchitis						17	2	...	...	...	...	...	4	11	2
Pneumonia (all forms)						7	1	1	1	...	...	...	3	1	2
Other diseases of Respiratory organs						...	...	...	...	...	...	...	...	...	...
Diarrhoea and Enteritis						...	...	...	...	...	...	...	...	...	...
Appendicitis and Typhlitis						3	...	...	...	...	3	...	...	...	...
Cirrhosis of liver						2	...	...	...	...	...	1	1	...	...
Alcoholism						...	...	...	...	...	...	...	...	...	...
Nephritis and Bright's Disease						3	...	...	...	...	...	...	2	1	1
Puerperal fever						...	...	...	...	...	...	...	...	...	...
Other accidents and diseases of Pregnancy and Parturition						3	...	...	...	...	...	3	...	...	1
Congenital Debility and Malformation, including Premature Birth						8	8	1	...	...	...	...	...	...	1
Violent Deaths, excluding Suicide						11	1	1	...	2	2	2	1	2	2
Suicides						...	...	...	...	...	...	...	...	...	...
Other defined diseases						34	4	1	...	2	3	4	6	15	13
Diseases ill-defined or unknown						...	...	...	...	...	...	...	...	...	...
						145	21	7	3	6	12	17	34	48	25

Infantile Mortality in 1912. Nett Deaths from Stated Causes
at various Ages under One Year of Age.

Nett Births in the year	{	legitimate ...	...	263
		illegitimate ...	...	6
Nett Deaths in the year of	{	legitimate infants ...	20	
		illegitimate infants ...	1	

EDMAN URBAN SANITARY DISTRICT

TABLE IV.

Sanitary Statistics for 1912, with Deaths from 1905 to 1912, and Causes of Deaths from 1905 to 1912.

Year	Population	Deaths	Causes of Death	Deaths from 1905 to 1912	Causes of Deaths from 1905 to 1912
1905	1,234	15	10	10	10
1906	1,345	18	12	12	12
1907	1,456	20	14	14	14
1908	1,567	22	16	16	16
1909	1,678	24	18	18	18
1910	1,789	26	20	20	20
1911	1,890	28	22	22	22
1912	1,901	30	24	24	24
Total	12,345	156	100	100	100

