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Egham Urban Sanitary District.

REPORT

TO THE URBAN DISTRICT COUNCIL OF
EGHAM, SURREY,

FOR

THE YEAR ENDING DECEMBER 31ST, 1909.

BY

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Epigrammatical Dictionary

REPORT

TO THE HONORABLE MEMBERS OF THE HOUSE OF COMMONS

IN PARLIAMENT ASSEMBLED

AND

IN ANSWER TO A RESOLUTION PASSED IN THE HOUSE OF COMMONS

ON THE 12TH MARCH 1841

BY

EGHAM URBAN SANITARY DISTRICT.

STATISTICAL DETAILS OF CENSUS, 1901.

Area of District 7,621 acres
Land, 7,456 acres. Inland Water, 165.

Population 11,895
Males, 5,722. Females, 6,173.

This includes 335 patients at the Sanatorium at Virginia Water.

Occupied Houses 2,383
Giving a density of occupation of 4·8 per house and about five per acre.

Geological Character.—The western portion of the district is situated chiefly on the Bagshot formation, while the eastern part is on the river drift gravels. The portion between Englefield Green and Virginia Water is on the London Clay.

Meteorological Observations.—The rainfall recorded for the year was 26·41 inches, shewing an excess of 1·41 inches over the average yearly rainfall of the district. The wettest month was October, when 4·26 inches were registered, and the driest February, when only 0·32 of an inch fell. Rain fell on 205 days during the year. The greatest fall in twenty-four hours was on December 2nd, when 0·93 of an inch was registered. At no time during the year did the river rise more than 2 feet above head water mark summer level, and no state of flood was recorded.

Housing and Population.—The population estimated to the middle of the year 1909 is 13,040. This result is arrived at by calculating that the yearly increase which occurred in the ten years 1891–1901 has continued. These figures, however, may be slightly in excess of the actual number, as many empty houses exist in the district; employment is not very easy to obtain, and the birth rate shows a decrease. The houses of the working classes are, as a rule, of good quality and very little overcrowding exists. Thirty-four plans were passed for new houses under the Building Bye-Laws, and twenty-four certificates of water supply granted.

Sewerage and Scavenging.—The scavenging of dry refuse has been satisfactorily carried out. No part of the district is sewered.

Water Supply.—Parts of the district depend on surface wells for their supply. The district is also supplied by the South Western Suburban Water Company. I regret to have to report that the water from this Company has of late shewn marked signs of inefficient filtration. It is to be hoped that this will be speedily rectified as, if it continues, it will undoubtedly become a menace to the health of the community as well as being very detrimental to the prosperity of this residential neighbourhood. Eight samples of water were taken for analysis, of which six were condemned; thirty-four new supplies were furnished, ten from wells and twenty-four from mains.

Isolation Hospital.—Owing to the regrettable want of unanimity among the representatives of the constituent authorities of the Joint Hospital Board nothing has been done during the year to provide this most urgently required institution. The district has, however, to congratulate itself that a public-spirited resident, Baron Schroeder, has come forward and given a valuable piece of ground for a hospital which is now in course of erection, and will, I believe, be ready for the reception of patients within the next few months.

Notifiable Diseases.—The total number of infectious diseases notified during the year was ninety-five. The subjoined table gives the number of each disease as compared with 1908:—

	1908.	1909.
Scarlet Fever ...	9	60
Diphtheria ...	30	23
Erysipelas ...	4	10
Enteric Fever ...	2	1
Puerperal Fever ...	1	—
Tuberculosis ...	—	1
	<u>46</u>	<u>95</u>

SCARLET FEVER.—This disease shows considerable increase over 1908; the cases were distributed over the year as follows:—

1st Quarter ...	5 cases
2nd „ ...	14 „
3rd „ ...	14 „
4th „ ...	27 „
	<u>60 cases</u>

The disease was, as a rule, mild in character, and no death was registered. In many instances two or more cases occurred among members of the same family and it is to be hoped that, with the provision of an Isolation Hospital and the prompt removal of first cases, the spread of the disease will to a great extent cease. It was found necessary to close Englefield Green School in October, for three weeks, on account of this disease.

DIPHTHERIA.—A slight decrease is noticeable in the cases of diphtheria notified in 1909. One death was registered.

ENTERIC FEVER.—One case was notified in the month of January. It is gratifying to be able to report that, owing to the precautions adopted, no extension of the disease occurred.

TUBERCULOSIS.—Only one case was notified during the year.

Non-Notifiable Infectious Diseases.—

WHOOPING COUGH.—There were a few cases of whooping cough in the early part of the year, but no fatal case was registered.

MEASLES.—A number of cases of this disease occurred in the first quarter of the year, of which four had a fatal termination.

INFLUENZA.—This disease was again prevalent during the early months of the year and four deaths were registered. It is a matter of regret that the general public do not recognise the very infectious character of this complaint, and practically no efforts are made to isolate first cases.

Sanitary Work.—Mr. Simpson, the Sanitary Inspector, reports having visited 250 premises during the year, of which seventy-six were detailed inspections; forty-two complaints were received and ninety-six nuisances discovered, the principal of these being—

House drains	...	...	...	53
Polluted water supplies	...	...	...	10
Overcrowded houses	...	...	...	2
Foul ditches	...	...	...	5

All of which were subsequently abated. Fifty-three premises were disinfected after infectious disease.

All the premises connected with the preparation of food for human consumption were regularly inspected and found to be kept in a satisfactory manner. In the few cases where it was necessary to suggest improvements these were carried out at once by the owner or occupier concerned.

One common lodginghouse was inspected and found to be kept in a clean and proper manner.

Workshop and Factory Act, 1901.—There are no factories in the district. Ten workshops, including workshop laundries, were inspected during the year, also eight workplaces. These were all found to be kept in a satisfactory sanitary condition and in accordance with the Act.

Vital Statistics.—The number of births registered during the year was 246—M. 122, F. 124, and the number of deaths 147—M. 65, F. 82. Twenty-four of these deaths occurred at the Holloway Sanatorium and one at the Cottage Hospital, all of

whom, with one exception, had previously resided without the district. Deducting these, and adding the deaths of fifteen previous residents dying in public institutions beyond the district, the corrected number of deaths for the year is 138—M. 63, F. 75.

The estimated population for the district is 13,040 and the birth and corrected death statistics and rates per 1,000 are—

		Males.	Females.	Total.	Rate per 1,000.
Births	...	122	124	246	18·8
Deaths	...	63	75	138	10·5

It will thus be seen from the accompanying table that the birth rate is the lowest in the district for the last ten years.

Nine deaths were attributed to phthisis, eleven to cancer and seventeen to bronchitis and pneumonia, whilst four persons died from influenza and four children from measles and one from diphtheria.

Infantile Mortality.—Nineteen deaths were recorded of infants under one year of age, and it is gratifying to note that, with the exception of the year 1905, this total is the lowest for the past ten years. Six infants were born prematurely, three died from diarrhœal diseases and four from convulsions.

The rates for the principal causes of deaths per 1,000 of the estimated population are :—

Measles	...	...	0·30	Phthisis	...	...	0·69
Infantile diarrhœa			0·30	Cancer	...	...	0·84
Diphtheria	...	...	0·07	Bronchitis	...	...	0·76
Influenza	...	...	0·30	Pneumonia	...	...	0·53

EGHAM URBAN SANITARY DISTRICT.

TABLE I.

Vital Statistics of Whole District during 1909 and Previous Years.

Institutions within District receiving sick and infirm "Non-residents":—
Holloway Sanatorium, Virginia Water; and Cottage Hospital, Englefield Green.

Institutions outside District receiving sick and infirm "Residents" from it:—
Union House, Old Windsor; County Asylum, Brookwood; and Royal Berks Hospital, Reading.

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 Year 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	11,348	311	27.4	36	116	167	14.3	27	27	16	156	13.7
1900	11,516	287	24.9	28	98	157	13.2	34	29	11	139	12.1
1901	11,685	258	22.2	23	89	154	12.8	24	20	12	146	12.5
1902	11,854	307	25.9	20	65	156	12.8	29	24	10	142	12.0
1903	12,023	279	23.2	28	100	136	11.3	20	16	9	129	10.7
1904	12,192	301	24.7	23	76	119	9.8	22	19	14	114	9.3
1905	12,361	259	20.9	16	62	136	11.0	25	21	11	124	10.0
1906	12,531	271	21.6	23	85	137	10.9	18	18	19	138	10.9
1907	12,702	252	19.8	23	91	137	10.8	25	20	21	138	10.9
1908	12,871	281	21.8	22	78	156	12.1	30	24	18	150	11.6
Averages for years 1899-1908	12,108	277	23.2	24	86	144	11.8	25	21	13	137	11.3
1909	13,040	256	19.6	19	77	147	11.1	25	24	15	138	10.5

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

At Census of 1901: Area of District in acres (exclusive of Area covered by water) 7,621; Total population at all ages, 11,895; Number of inhabited houses, 2,388; Average number of persons per house, 4.8, excluding 335 special inmates of Sanatorium, Virginia Water.

TABLE III.

Cases of Infectious Diseases notified during the Year 1909.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.								NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.
	At all Ages.	At Ages—Years.							
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.		
Small-pox
Cholera
Diphtheria and Membranous croup } ...	23	1	4	9	7	2	...	...
Erysipelas ...	10	...	...	...	...	9	1	...
Scarlet fever ...	60	...	6	44	7	3	...	...
Typhus fever ...	...	...	...	...	...	...	...	...
Enteric fever ...	1	...	...	...	1	...	...	...
Relapsing fever ...	...	...	...	...	...	...	...	...
Continued fever ...	...	...	...	...	...	...	...	...
Puerperal fever ...	...	...	...	...	...	...	...	...
Plague ...	...	...	...	...	...	...	...	...
Tuberculosis ...	1	...	...	...	...	1	...	...
Totals ...	95	1	10	53	15	15	1	...	

Isolation Hospital: None in the District.

EGHAM URBAN SANITARY DISTRICT.

TABLE IV.

Causes of, and Ages at, Death during Year 1909.

CAUSES OF DEATH.	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.								DEATHS IN PUBLIC INSTITUTIONS.	
	No. of Persons living in District at Census 1901									
	All ages.	Under 1.	1 & under 5.	5 & under 15.	15 & und. 25.	25 & und. 45.	45 & und. 65.	65 & upwards.		
I	2	3	4	5	6	7A	7B	8		
Small-pox ... ..	...	...	...	...	...	...	...	...	...
Measles	4	1	3	...	...	...	...	...	...
Scarlet fever ... ..	...	...	...	...	...	...	...	...	...
Whooping-cough ... ..	...	...	...	...	...	...	...	...	...
Diphtheria and membranous croup	1	...	1	...	...	...	...	...	...
Croup ... ..	...	...	...	...	...	...	...	...	...
Fever { Typhus ... ..	...	...	...	...	...	...	...	...	...
Enteric ... ..	...	...	...	...	...	...	...	...	...
Other continued... ..	...	...	...	...	...	...	...	...	...
Epidemic influenza	4	...	...	...	1	...	1	2	...
Cholera ... ..	...	...	...	...	...	...	...	...	...
Plague ... ..	...	...	...	...	...	...	...	...	...
Diarrhœa	4	3	...	...	...	...	...	1	...
Enteritis	1	...	...	...	...	...	...	1	...
Puerperal fever ... ..	...	...	...	...	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...	...
Other septic diseases ... ..	...	...	...	...	...	...	...	...	...
Acute rheumatism ... ..	...	...	...	...	...	...	...	...	...
Phthisis	12	...	...	...	3	6	3	...	1
Other tubercular diseases	1	...	1	...	...	...	...	...	...
Cancer, malignant disease	12	...	...	...	...	1	6	5	1
Bronchitis	10	1	1	...	...	...	1	7	...
Pneumonia	8	...	1	...	...	...	6	1	1
Pleurisy ... ..	...	...	...	...	...	...	...	...	...
Other diseases of Respiratory organs ... ..	...	...	...	...	...	...	...	...	...
Alcoholism, Cirrhosis of liver	2	...	...	...	...	...	1	1	1
Venereal diseases ... ..	...	...	...	...	...	...	...	...	...
Premature birth	6	6	...	...	...	...	...	...	...
Diseases and accidents parturition ... ..	...	...	...	...	...	...	...	...	...
Heart diseases	19	...	...	...	1	3	8	7	7
Other diseases of circulating system ... ..	...	...	...	...	...	...	...	...	...
Accidents	2	...	...	...	...	1	...	1	1
Suicides ... ..	...	...	...	...	...	...	...	...	1
Apoplexy and cerebral hemorrhage	6	...	...	...	...	...	3	3	...
Other diseases of brain and nervous system	7	...	3	2	1	...	...	1	8
Diseases of digestive system ... ..	...	...	...	...	...	...	...	...	...
Hepatic diseases ... ..	...	...	...	...	...	...	...	...	...
Renal diseases	6	...	...	...	...	2	2	2	...
Rheumatism, gout, and rheumatoid arthritis... ..	1	...	...	...	...	...	...	1	1
Developmental diseases under 5 years of age	2	1	1	...	...	...	...	...	...
Old age and decay	19	...	...	...	...	...	...	19	2
All other causes	11	8	...	...	...	...	...	3	1
All causes	M. 63 F. 75 138	20	11	2	6	13	31	55	25	

EGHAM URBAN SANITARY DISTRICT.

TABLE V.

Infantile Mortality in 1909 from Stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.		Under 1 Year.				Total under 1 Month.	Under 12 Months.											Total Deaths under One Year.
		Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.		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.	10-11 Months.	11-12 Months.	
ALL CAUSES	Certified	5	2	2	1	10	2	2	1	...	...	3	...	...	1	...	19
	Uncertified ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Common Infectious Diseases	Small-pox ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chicken-pox ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Measles ... ..	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
	Scarlet Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Diphtheria : Croup ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoeal Diseases	Whooping Cough ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Diarrhoea, all forms ... ..	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
	Enteritis (not Tubercular) ... ..	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Wasting Diseases	Gastritis, Gastro-intestinal Catarrh ... ..	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
	Premature Birth	4	2	...	...	6	...	...	...	...	...	...	...	...	...	...	6
	Congenital Defects	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
Tubercular Diseases	Injury at Birth ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Want of Breast-milk ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Atrophy, Debility, Marasmus	1	1	...	...	2	...	1	...	...	...	...	...	...	...	...	3
	Tubercular Meningitis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Tubercular Peritonitis : Tabes Mesenterica ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Other Tubercular Diseases ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Erysipelas ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Syphilis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rickets ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Meningitis (not Tubercular) ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Causes	Convulsions ... ..	...	1	...	...	1	1	1	...	...	1	...	...	...	...	...	4
	Bronchitis ... ..	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1
	Laryngitis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Pneumonia ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Suffocation, overlaying ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Causes ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		5	2	2	1	10	2	2	1	...	...	3	...	...	1	...	19

Births in the year { legitimate . 245 Registered Deaths from } 147 Population to middle of 1909 } 13,040
 { illegitimate 11 all Causes at all Ages }
 (Nett Deaths 138)

Registered Deaths in the year of { legitimate infants ... 17
 { illegitimate infants ... 2



