

[Report of the Medical Officer of Health for West Ham].

Contributors

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County Borough of West Ham.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH,

FOR THE YEAR 1897.

PUBLIC HEALTH COMMITTEE, 1896-1897 :—

Councillor RIPPIN (*Chairman*).

Alderman FREDERICK SMITH.

Councillor ALDEN.

„ ATHEY.

„ GODBOLD.

„ HAYDAY.

„ HUNNS.

Councillor MANSFIELD.

„ NARES.

„ NOAKES.

„ POLLEY.

„ THRELFORD.

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AND
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PUBLIC HEALTH DEPARTMENT, TOWN HALL WEST HAM.

To the Public Health Committee.

MR. CHAIRMAN AND GENTLEMEN,

I beg to submit to you my Eleventh Annual Report as Medical Officer of Health, and, in doing so, am pleased to record that, if no great advance has been made in the Public Health of the Borough, the year, on the whole was a favourable one, and at least showed no marked decline as compared with previous years.

The Report deals with the year 1897, and contains a summary of the action of my department for preventing the spread of disease, and an account of the sanitary state of the Borough generally at the end of the year, and it necessarily contains many facts and figures included in previous reports, without which comparison with other years is impossible.

Area and Population.—The County Borough comprises 4,706 acres. The enumerated population in census year 1891 was 204,902, and the inhabited houses numbered 32,066, giving an average of 6·3 persons to a house, and 43·5 persons to an acre. The estimated population, according to the Registrar-General, at the middle of 1897, should have been 273,682. Assuming the ratio of persons to houses to remain constant, this figure would imply 43,441 inhabited houses. In October of last year, however, the approximate number of inhabited houses in the Borough was 41,939 (see table following), accommodating, presumably, a population of 264,216, or 56 persons to an acre. I propose to use the latter population, in preference to the estimate of the Registrar-General, in calculating the mortality rates.

Ward.	Approximate No. of Inhabited Houses in each of the Four Wards.
Stratford	7,791
Forest Gate	13,100
Plaistow	12,161
Canning Town	8,887
Total	41,939

Births.—8,761 births were registered in the year, being an increase of 242 over the registered births of the previous year, and giving an annual birth-rate of 33·1 per 1,000. The birth-rate of the 33 largest English towns was the same as that of the year 1896, namely 30·7. Of these, the only towns where the recorded birth-rate exceeded that of West Ham, were Gateshead (35·8), Wolverhampton (35·5), Liverpool (35·3), Salford (35·1), Sheffield (34·4), Sunderland (34·6), Hull (33·4), Birmingham (33·3), Manchester (33·2).

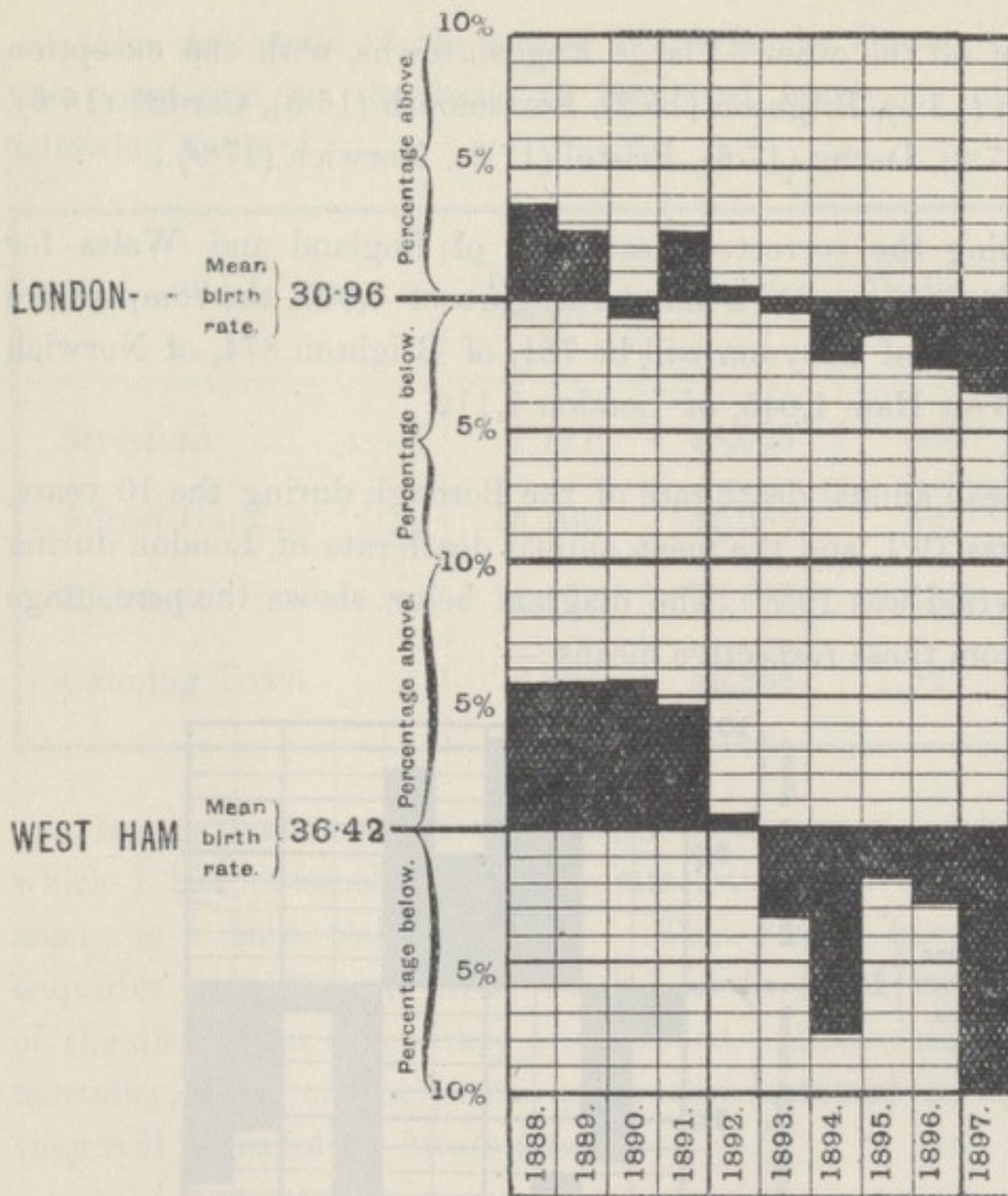
The registration districts of the northern half of the Borough are not co-terminous with the Municipal Wards, and therefore, in distributing the births to their respective Wards, Stratford and Forest Gate must be joined together.

Ward.	Births.	Birth-rate per 1,000 of Population.
Stratford Registration District ...	1,722	25·8
Forest Gate „ „ ...	1,677	
Plaistow	2,906	37·9
Canning Town	2,456	42·0

The mean birth-rate during the past 10 years (1888-97), was 36·42 per 1,000, and the mean birth-rate of London during the same period was 30·96 per 1,000.

The percentage variation above and below the mean in the respective districts can be seen by the Table following.

Percentage variation above and below mean birth-rate during 10 years, 1888-1897, in London and West Ham.

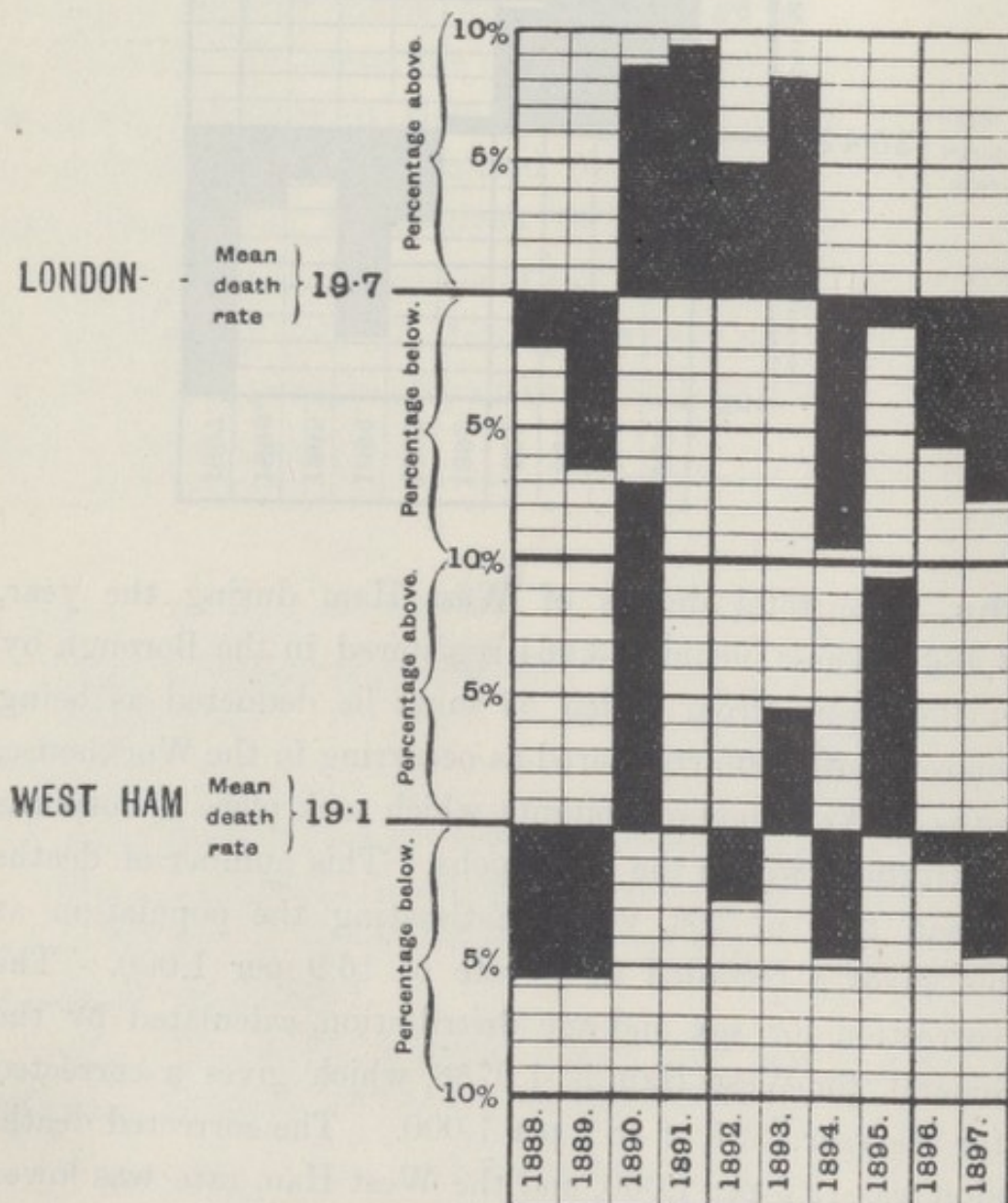


Deaths.—The total deaths of West Ham during the year, numbered 4,486. These included 3,964 registered in the Borough by the District Registrars (from which 57 must be deducted as being deaths of non-residents), 306 registered as occurring in the Workhouse, and 273 deaths of West Ham inhabitants, which took place in hospitals and other institutions within the Metropolis. This number of deaths is 91 less than that of last year. Estimating the population at 264,216, this gives a recorded death-rate of 16.9 per 1,000. The factor for correction for sex and age distribution, calculated by the Registrar-General, for West Ham is 1.0788, which gives a corrected death-rate for the year 1897, of 18.2 per 1,000. The corrected death-rate of London was 19.3 per 1,000, and the West Ham rate was lower

than that of all the other 33 large English towns, with the exception of Croydon (13·6), Brighton (15·2), Portsmouth (16·5), Cardiff (16·6), Swansea (17·2), Derby (17·6), Bristol (17·9), Norwich (17·9).

Assuming the corrected death-rate of England and Wales for 1887 (17·43) to represent a standard figure of 1,000, the comparative mortality figure of Croydon will be 781, of Brighton 874, of Norwich 1,032, of West Ham 1,045, of London 1,112.

The mean annual death-rate of the Borough during the 10 years, 1888-97, was 19·1, and the mean annual death-rate of London during the same period was 19·7. The diagram below shows the percentage variation from these respective means:—



The death-rate of the several Wards in the Borough, estimating the population on the basis of inhabited houses, is given in the following Table :—

Ward.	Inhabited houses.	Population.	Deaths.	Annual Death-rate per 1,000.
Stratford	7,791	49,083	860	17·5
Forest Gate... ..	13,100	82,530	892	10·9
Plaistow	12,161	76,615	1,413	18·4
Canning Town ...	8,887	55,988	1,321	23·5

In my last report I dealt with certain well-defined areas, in which I had obtained a fairly accurate estimate of the population by means of a house-to-house census. This year I have extended my enquiries to additional areas, which may be taken as representative of the districts in which they are included. Before dealing with the mortality, I set out below the particulars obtained in each area, as they will be useful for future reference :—

Streets included.	Number of Houses.	Number of children under 13 years of age	Number of persons 13 years and upwards.	Total Population
WOODGRANGE AREA—				
Windsor Road	86	87	402	489
Claremont Road	97	114	442	556
Osborne Road	147	124	491	615
Hampton Road	117	134	499	633
Total	447	459	1,834	2,293

Streets included.	Number of Houses.	Number of Children under 13 years of age	Number of Persons 13 years and upwards.	Total Population
STRATFORD MARSH AREA—				
Channelsea Road	26	63	60	123
Channelsea Street ...	40	123	110	233
Prospect Place ...	13	44	32	76
East Street ...	18	44	42	86
West Street ...	31	90	76	166
South Street ...	18	59	44	103
Union Street ...	27	58	76	134
Woodwards Gardens ...	3	3	8	11
Deason Street ...	10	21	39	60
Union Streets (2) ...	34	67	118	185
Stanley Road ...	90	402	391	793
Livingstone Road ...	80	336	384	720
Total ...	432	1,413	1,553	2,966
BIDDER STREET AREA—				
Bidder Street ...	164	507	568	1,075
Charlotte Street ...	22	87	75	162
Creek Street ...	2	11	6	17
Junction Street ..	31	106	88	194
Lea Street ...	—	—	—	—
New Road ...	28	100	108	208
Quadrant Street ...	32	91	98	189
Randall Street ...	4	2	12	14
Ship Street ...	18	57	62	119
Shipwright Street ...	32	118	112	230
Shipwright Place ...	3	11	7	18
Stephenson Street ...	81	231	284	515
Tucker Street ...	48	196	181	377
Wellington Street ...	19	65	73	138
Wellington Place ...	40	103	77	180
Wharf Street ...	21	79	71	150
Total ...	545	1,764	1,821	3,585

Streets included.	Number of Houses.	Number of Children under 13 years of age	Number of Persons 13 years and upwards.	Total Population
CROYDON ROAD AREA—				
Braemar Road ...	67	156	268	424
Blanche Street ...	67	188	196	384
Beatrice Street ...	54	144	148	292
Chargeable Street ...	58	231	158	389
Chargeable Lane ...	21	56	79	135
Church Street ...	32	74	130	204
Constance Street ...	30	54	83	137
Columbia Road ...	8	11	26	37
Croydon Road ...	149	408	633	1,041
Florence Street ...	53	117	146	263
Garfield Road ...	43	122	129	251
King Street ...	46	155	195	350
Luton Road ...	35	144	139	283
Mayfield Road ...	50	122	156	278
Ohio Road ...	23	68	84	152
Philip Street ...	26	67	71	138
Star Street ...	33	105	187	292
Star Lane ...	70	198	266	464
Sutton Road ...	45	133	207	340
Shepherd Street ...	57	154	135	289
Trinity Gardens ...	9	8	24	32
Tabernacle Avenue ...	14	16	59	75
Union Road ...	25	91	96	187
Warrington Street ...	11	32	34	66
Total ...	1,026	2,854	3,649	6,503
HALLESVILLE AREA—				
Lawrence Street ...	40	120	205	325
Merton Street ...	6	23	28	51
Maud Street ...	57	116	246	362
Hemsworth Street ...	67	281	385	666
Aviary Street ...	15	28	61	89
Morecambe Street ...	5	27	26	53
Burke Street ...	18	48	81	129
Carried forward...	208	643	1,032	1,675

Streets included.	Number of Houses.	Number of Children under 13 years of age	Number of Persons 13 years and upwards.	Total Population
Brought forward...	208	643	1,032	1,675
Vincent Street	84	309	445	754
Trinity Street	89	248	457	705
York Street	27	75	124	199
Cooper Street	26	97	133	230
Peter Street	59	145	316	461
Mary Street	86	210	366	576
Clarkson Street... ..	43	106	209	315
Fox Street	19	31	99	130
Pitt Street	22	61	116	177
Walter Street	15	64	68	132
Hearn Street	30	90	115	205
Wilberforce Street ...	45	131	224	355
Total ...	753	2,210	3,704	5,914
WEST SILVERTOWN AREA—				
Evelyn Road	30	78	131	209
Cranbrook Road	31	83	133	216
Burnwood Road	35	142	202	344
Eastwood Road	36	130	176	306
Westwood Road	6	23	33	56
Boxley Road	11	11	26	37
Clyde Road	32	82	137	219
Total ...	181	549	838	1,387
MID-SILVERTOWN AREA—				
Oriental Road	45	122	214	436
George Street	24	71	111	182
Charles Street	33	90	147	237
Arthur Street	47	133	219	352
Agnes Street	54	131	186	317
Emma Street	50	136	214	350
Katherine Street	49	120	230	350
Amelia Street	52	140	180	320
Total ...	354	943	1,501	2,444

Streets included.	Number of Houses.	Number of Children under 13 years of age	Number of Persons 13 years and upwards.	Total Population
EAST SILVERTOWN AREA—				
Parker Street	37	102	203	305
Constance Street	63	155	345	500
Andrew Street	66	225	343	568
Gray Street	50	158	287	445
Drew Road	9	13	43	56
Campbell Road	2	3	13	16
Total	227	656	1,234	1,890

The mortality statistics of the above districts for the year 1897 are shown in the Table below. It should be mentioned that the populations of the last four districts were recorded at the beginning of 1898, and the populations of the first four districts in the middle of 1897; as none of the areas, however, lend themselves to increase by building operations, the figures may be taken as fairly accurate.

District.	Number of Houses	Population.	Number of Persons per House	Children under 13. Percentage of total Pop.	No of Deaths.	Death-rate per 1,000.
				Per Cent.		
Woodgrange Area ..	447	2,293	5·1	20·0	11	5·0
Stratford Marsh Area	432	2,966	6·8	47·6	71	23·9
Bidder Street „	545	3,585	6·5	48·9	106	29·5
Croydon Road „	1,026	6,503	6·3	43·8	147	22·6
Hallesville „	753	5,914	7·8	37·3	157	26·5
West Silvertown „	181	1,387	7·6	38·1	38	27·4
Mid-Silvertown „	354	2,444	6·9	38·5	36	14·7
East Silvertown „	227	1,890	8·3	34·7	44	23·2
County Borough ...	41,939	264,216	6·3	—	4,486	18·2

The deaths in children under one year of age per 1,000 births numbered 175, while for the whole of England and Wales they numbered 156, and for the 33 largest towns, 177, the position of West Ham being fourteenth on the list of large towns. The percentage of children under 13 years to total population of the foregoing areas is shown below :—

District.	Children under 13 years. Per cent. of total population of area.
Woodgrange Area	20 per cent.
Stratford Marsh Area	47·6 „
Bidder Street „	48·9 „
Croydon Road „	43·8 „
Hallesville „	37·3 „
West Silvertown „	38·1 „
Mid-Silvertown „	38·5 „
East Silvertown „	34·7 „

Chief Zymotic Diseases.—The seven chief zymotic diseases, which include small-pox, scarlatina, diphtheria, fever, measles, whooping cough, and diarrhoea, caused 953 deaths, giving an annual zymotic death-rate of 3·6 per 1,000. This, although ·3 per 1,000 below that of last year, is ·3 per 1,000 above the mean zymotic death-rate of the last 10 years, which averaged 3·3 per 1,000, and compares unfavourably with the rates recorded during 1897 for England and Wales (2·1), the 33 largest towns (2·8), and London (2·5). Last year I had to report that our zymotic death-rate was the highest, with one exception, of all the large towns, while this year our rate was exceeded by eight, viz., Liverpool, Birmingham, Manchester, Hull, Bolton, Preston, Burnley, Wolverhampton.

During the year, I received notification of the following diseases :— 4 cases of small-pox, 1,143 of scarlatina, 675 of diphtheria, 290 of enteric fever, 11 of continued fever, 13 of puerperal fever, and 6 of cholera. The latter were all, apparently, of the English type. The chief of these were fairly distributed throughout the various districts of the Borough, no marked epidemic being noticeable in any one district. It will be seen that the fresh cases of infectious disease averaged weekly, 22 of scarlatina, 13 of diphtheria, and 5 of enteric fever. With regard to the latter, I hope that, in the near future, we may gain considerable improvement by prompt removal to hospital. We have lately had an instance in which a series of cases, occurring one after the other, have kept the disease alight in one house for over six months, and, apart from the trouble and loss entailed thereby upon the occupying tenants, have prevented the execution of necessary repairs. Theoretically, it should be possible to easily isolate this disease to the sick-room ; practically, in working-class houses it is impossible ; and although the authority supply disinfectants, and the local district nurses do yeoman service in the course of their daily ministrations, the actual results are disappointing, partly because the relatives of the patient have not the time to devote their sole energies to the care of a sick person, but chiefly because the rationale of aseptic nursing of infectious disease, while simple and easily understood when read in pamphlet or paper of directions, requires for its full fruition the constant daily practice which gradually engrains the innumerable minutiae of detail necessary for the efficient nursing of such a disease as enteric fever into the very being of the person in charge, until, at last, the carrying out of these requisites becomes almost automatic.

Such automatonism is unattainable in the dwellings of the poor, where the problem of the recovery of the sick is too frequently complicated by that of the survival of the non-sick.

The four cases of small-pox notified need only a short reference. Three of the cases were in young children of one family notified at the same time, and treated at home without difficulty. The fourth case, occurring at the end of the year, was sent to the Metropolitan

Asylums Board Wharf, and returned as not being small-pox. A fifth case I learnt of in the following way: On 7th January I received a request from the Medical Superintendent of the Branch Seamen's Hospital to disinfect the clothing belonging to a small-pox patient. It appeared that the man went to the hospital on January 9th, was retained there till the 14th, on which date he was transferred to the Greenwich Hospital, and on February 16th was transferred as suffering from small-pox to the hospital ships at Long Reach. It was evident that he contracted small-pox while at Greenwich, and enquiries made at Sydney Street, Tidal Basin, where he lodged before going to the Seamen's Hospital, appeared to exclude the possibility of the infection having come from within the Borough. I arranged, however, with the Medical Superintendent of the Plaistow Hospital to disinfect and return the clothing to the Seamen's Hospital.

Vaccination.—In my last report, I summarized the findings of the Royal Commission on Vaccination. Since then, strange things have happened, and some may think it to be possible to discuss the subject of small-pox without reference to vaccination. The anomalous position which still withholds the carrying out of the Vaccination Acts from the Urban Sanitary Authorities, releases the Council from responsibility, other than that arising from each member's private influence, and renders even the mention of the subject, in this report, merely an academic discussion. At the same time, in the efficient performance of vaccination, or its non-performance, at least in the area of South-west Essex, is a matter of great moment to the Council, having regard to the agreements entered into with other local authorities (referred to in another part of this report). The "tremendous experiment" of the Government may be fraught with serious results to West Ham, and in any case, is a retrograde step. One can understand and sympathize with the "conscientious objector," but words fail to describe the "unconscientious believer." To those of us, therefore, to whom the Report of the Royal Commission is a gospel of sanitation, the duty is imposed, while patiently abiding the results of recent legislation, of consistently striving towards the object of our hopes, and in this respect the Council can, without

undertaking a crusade of proselytism, exert a potent influence for good upon many, in their respective constituencies, who are either ignorant or indifferent.

Under the new Act, the Local Government Board will undertake the supply of calf lymph. It is not yet evident what arrangements will be made for the distribution of this lymph to local authorities.

Doubtless, the several Public Vaccinators will be efficiently supplied, but it is to be hoped that Medical Officers of Health will also be enabled to keep a supply for distribution to casual claimants, the Public Vaccinator not being at all times available, while the office of the Medical Officer of Health is easily reached and constantly attended during business hours.

The zymotic death-rate during 1897, in the areas previously discussed, is shown below :—

District.	No. of deaths from Zymotic Diseases.	Zymotic Death-rate
Woodgrange Area	0	0
Stratford Marsh Area	10	3·3
Bidder Street „	24	6·6
Croydon Road „	49	7·5
Hallesville Road „	28	4·7
West Silvertown „	10	7·2
Mid-Silvertown „	6	2·4
East Silvertown „	14	7·4
County Borough	953	3·6

Meteorology.—The centre of the Borough being about $3\frac{1}{2}$ miles north of Greenwich Observatory, the meteorological observations recorded there may be taken as fairly representing the weather conditions of West Ham. The table below is a compilation from the weekly reports of observations at Greenwich under the superintendence of the Astronomer Royal. From this it may be gathered that the mean temperature of the year was $50\cdot3^{\circ}$, being 1° above the average of the last 50 years. The hottest day was Midsummer Day, when the temperature rose to $90\cdot2^{\circ}$, and the coldest day was Christmas Eve, when it fell to $23\cdot3^{\circ}$.

Rain fell on 167 days, the total rainfall being 22·13 inches. The registered sunshine for the whole year amounted to 1,534 hours, being 517 hours more than that registered in 1896. The most noticeable feature during the year was the disastrous tornado which swept over 100 square miles of Essex on June 24th.

Week ending.	TEMPERATURE.				No. of Rainy Days.	Sum for week, in inches.	Sun-shine, in hours.	Mean Baro-metric reading
	High-est.	Low-est.	Mean for Week.	De-parture from average of 50 years.				
Jan. 9	44·8	32·2	37·2	−0·9	2	0·6	1·2	30·500
„ 16	46·1	30·5	37·8	−0·3	3	0·22	1·3	29·708
„ 23	36·0	23·8	31·1	−7·3	5	0·16	4·6	29·726
„ 30	40·3	24·3	33·1	−6·1	3	0·09	8·8	29·594
Feb. 6	48·2	32·4	37·8	−2·0	6	1·83	0·4	29·347
„ 13	51·3	30·0	41·4	+2·7	4	0·36	2·0	29·928
„ 20	53·1	30·7	43·6	+4·0	3	0·15	15·4	30·158
„ 27	58·6	38·3	48·1	+8·2	1	0·02	15·8	30·225
Mar. 6	50·9	32·0	40·6	+0·1	6	1·13	25·2	29·332
„ 13	51·1	30·8	41·0	+0·2	4	0·47	27·4	29·742
„ 20	57·7	36·6	46·5	+5·1	5	0·97	20·7	29·447
„ 27	62·2	44·1	51·9	+9·7	1	0·06	30·6	29·737
Apr. 3	57·9	29·9	42·2	−2·8	3	0·84	24·4	29·252
„ 10	56·1	30·4	42·4	−3·6	4	0·53	26·0	29·727
„ 17	60·3	29·9	47·4	+0·9	5	0·32	31·5	29·756
„ 24	58·2	36·5	46·4	−2·0	4	0·33	41·0	29·721

Week ending.	TEMPERATURE.				No. of Rainy Days.	Sum for week, in inches.	Sunshine, in hours.	Mean Barometric reading.
	High-est.	Low-est.	Mean for Week.	De-parture from average of 50 years.				
May 1	67.8	37.9	51.2	+ 2.5	2	0.36	50.7	29.735
" 8	65.3	37.0	49.7	- 0.6	2	0.17	45.8	29.853
" 15	64.7	33.6	47.3	- 4.7	1	0.04	48.0	29.995
" 22	77.6	40.5	57.3	+ 3.3	1	0.02	81.6	29.885
" 29	72.3	41.0	53.5	- 2.3	5	0.47	46.2	29.468
June 5	73.6	49.1	59.3	+ 1.8	3	0.75	33.6	29.847
" 12	83.2	44.7	58.6	+ 0.3	3	0.75	33.4	29.932
" 19	83.1	44.4	59.8	+ 0.7	3	0.44	62.8	29.759
" 26	90.2	48.3	64.0	+ 3.2	2	0.27	42.7	29.863
July 3	78.3	53.1	64.4	+ 3.0	3	0.28	40.5	29.828
" 10	78.4	44.0	61.5	- 0.5	2	0.02	52.5	29.797
" 17	82.1	50.8	65.5	+ 2.6	-	0.00	78.0	29.948
" 24	84.7	52.1	66.9	+ 4.0	2	0.25	49.7	29.716
" 31	82.3	53.6	64.6	+ 2.3	3	0.47	58.9	29.895
Aug. 7	89.5	51.7	68.1	+ 5.8	3	0.08	72.2	29.812
" 14	79.5	50.2	63.6	+ 1.1	5	0.74	46.0	29.727
" 21	76.0	52.0	62.0	+ 0.4	5	0.47	45.3	29.583
" 28	71.1	51.0	59.6	- 1.2	5	0.68	38.0	29.584
Sep. 4	68.0	41.9	56.8	- 3.0	5	1.22	44.8	29.606
" 11	67.0	41.0	54.2	- 4.5	4	0.68	24.1	29.882
" 18	67.9	40.9	54.6	- 3.0	3	0.38	23.9	29.978
" 25	69.1	38.2	55.4	- 0.1	3	0.12	31.2	29.715
Oct. 2	71.0	46.4	56.5	+ 2.0	3	1.21	10.8	29.881
" 9	60.1	33.0	48.4	- 4.3	3	0.16	31.2	30.146
" 16	66.2	33.4	51.9	+ 1.5	5	0.07	21.1	29.666
" 23	67.2	41.6	53.7	+ 4.7	2	0.11	22.4	30.134
" 30	65.0	40.2	49.8	+ 2.4	1	0.13	30.6	30.056
Nov. 6	57.7	41.0	45.7	- 0.6	-	0.00	19.1	30.114
" 13	58.8	32.1	48.0	+ 4.2	2	0.18	3.7	29.925
" 20	59.0	35.8	47.5	+ 5.2	3	0.34	11.1	30.054
" 27	52.5	28.9	43.4	+ 1.4	3	0.38	7.9	30.248
Dec. 4	52.1	25.2	39.0	- 1.8	2	0.15	14.3	29.643
" 11	54.1	34.8	41.7	+ 1.1	6	0.86	9.1	29.506
" 18	55.7	32.2	46.2	+ 6.2	6	0.63	13.5	29.671
" 25	44.9	23.3	35.8	- 2.9	1	0.02	12.9	30.284
Jan. 1	52.7	24.3	45.1	+ 6.6	6	0.66	5.0	29.512

Hospital Accommodation.—During the year the four wards of the Plaistow Fever Hospital were utilized for the reception of 316 cases of infectious disease. Of these, 160 were cases of scarlet fever, and 156 cases of diphtheria. 250 cases were sent in as the result of visits of Inspectors of Nuisances, in response to notification certificates, and 66 were admitted by the Medical Superintendent on application at the hospital.

The want of adequate accommodation for scarlet fever cases remarked upon in previous reports, was again shewn during the year 1897, many cases having to wait some days before admission could be obtained. The diphtheria wards, however, were scarcely ever full, and as several cases were sent to the hospital in a moribund condition, it was thought desirable to facilitate removal as promptly as possible. With this end in view, I issued the following circular-letter to all the medical men practising in the Borough :—

TOWN HALL,

WEST HAM, E.,

February 15th, 1898.

DEAR DR.,

At the last meeting of the Public Health Committee I was instructed to invite the co-operation of all the Medical men in the Borough, with a view to enhancing the usefulness of the Council's Hospital for Infectious Diseases at Western Road, Plaistow.

The efficacy of the Antitoxic treatment of Diphtheria depending so largely on early administration, it was felt that every facility should be given for the prompt and speedy removal of cases of that disease into hospital.

The means for satisfactorily isolating cases at their own homes, and the suitability or otherwise of cases for hospital treatment, can best be judged by the medical man in attendance, and the Committee feel assured that you will lend your assistance in securing the removal of cases of Diphtheria in the speediest way possible.

With this end in view, it has been decided that cases of this disease may be sent direct to the hospital by the medical man in attendance.

May I therefore suggest that where called in to see a case of Diphtheria, which you are of opinion either now requires, or will ultimately require from any cause, removal to hospital, you will kindly send by the friends of the patient a note, containing the name, age, and address of the patient over your signature, either direct to the hospital at Western Road, or to this Town Hall, which, in the day-time, is in telephonic communication with the hospital, when an ambulance will be despatched for the patient in due course?

Thanking you in anticipation,

I am,

Yours faithfully,

CHARLES SANDERS,

Medical Officer of Health.

Before the hospital was opened, I predicted that it would prove a great blessing to the Plaistow Ward, and the figures for 1897 appear to show that the districts around the hospital have already begun to appreciate its advantages, while the more distant districts remain either uninformed, or unconvinced. Taking the whole of the cases notified of scarlatina and diphtheria in each Ward, the percentages of cases removed to hospital are as follows:—

					Percentage of Removals.
Stratford Ward	...	...	...	...	15·1
Forest Gate Ward	...	...	...	...	21·6
Plaistow Ward	...	...	...	...	20·3
Canning Town Ward	...	...	...	...	10·9

Recognizing not only the need for additional accommodation for patients, but also the urgent need for an improvement in the administrative surroundings, your Committee took steps during the year to hasten the completion of the hospital scheme which I suggested in

1890. The action taken by the Council for this purpose is best shown by the following recommendations of the various Committees, all of which were ultimately adopted by the Council :—

Public Health Committee, February 3rd.—“That they have had an interview with the Medical Officer of Health and the Medical Superintendent, with regard to the scheme for the extension of the hospital, the Legal and General Committee having now practically completed the purchase of the site, and find that, owing to the complications introduced by the necessity for adapting, or partially adapting, the existing hospital and the buildings belonging to the Guardians, and at the same time meeting the requirements of the Local Government Board, as to the provision of new hospitals, it is impracticable to lay down definite conditions and instructions for a completion as agreed to by the Council on the recommendations contained in Clause 8 of the report of the Public Health Committee, dated 7th October, last, inasmuch as a considerable amount of preliminary work and negotiation with the Local Government Board will probably be necessary before a general scheme can be agreed upon, and keeping in view the necessity for availing themselves of the best advice obtainable in so important a matter, they recommend that the Public Health Committee be empowered to select an architect who has had experience in erecting hospitals for the treatment of infectious diseases, to be entrusted by the Council with the work.”

Public Health Committee, 5th May.—“That they have been in communication with Mr. Edwin T. Hall, F.R.I.B.A., and recommend that he be engaged to prepare a scheme for utilizing to the full extent the site at Plaistow, including such of the existing buildings as may be suitable, and so arranged that the buildings can be carried out in sections from time to time, as may be required.”

Public Health Committee, 20th October.—“That they have now carefully considered the plans prepared by Mr. Edwin T. Hall for the extension of the Hospital for Infectious Diseases at Plaistow, and the completion of the scheme of hospital accommodation, the principle of which was adopted, on the recommendation of the Medical Officer of Health, as far back as 1890.

“Your Committee have had a detailed report from Mr. Hall, with regard to the accommodation provided and the estimate of the cost, a print of which they bring up herewith (*vide* Appendix), and they have also had the advantage of inspecting the large Park Hospital recently erected under the direction of Mr. Hall, at Hither Green, for the Metropolitan Asylums Board, and shortly to be opened for the reception of patients.

“Your Committee are advised by the Medical Officer of Health that the whole of the accommodation provided in the scheme will be ultimately required to adequately deal with the infectious disease of the Borough, and recommend that the whole plan be generally approved and adopted, but that three of the pavilions be not erected for the present, in accordance with the terms agreed when Mr. Hall was engaged. They further recommend that the Architect be asked to report to them what portion of the total estimated cost of £73,260 it will be possible to delay in connection with the postponement of the erection of the three blocks in question.”

Council in Committee, 16th November.—“That they have had under consideration the report of the Public Health Committee, under date the 20th ult., with regard to the plans and estimates for the extension of the Plaistow Hospital, prepared by Mr. Edwin T. Hall, F.R.I.B.A., and having had an interview with Mr. Hall, and also

heard the observations of the Medical Officer of Health thereon, they recommend that the plans and estimates of £73,260 be approved and adopted, and that Mr. Hall be directed to proceed with the preparation of the necessary plans and specifications for carrying out the whole of the work at one time."

The above recommendation was adopted by the Council on November 23rd. It is scarcely necessary to remind the Council that the scheme not only provides for the extension of the hospital, but also includes the erection of a disinfecting station for the general use of the Borough, a very important adjunct to the sanitary administration.

Small-pox Hospital.—Considerable progress was made during 1897 towards the completion of our Small-pox Hospital at Dagenham. In order to carry out the suggestions contained in my memorandum on providing for the reception of small-pox cases from other sanitary districts into our hospital, it was necessary to carry out additional buildings. On 23rd March the Borough Engineer reported that, beyond the sum of £11,240 already sanctioned, there would be required a further sum of £9,235, made up as follows:—

	£	£
Addition to Administrative Block, consequent on receiving outside patients	1,200	
New wards, consequent on receiving outside patients	3,800	
		5,000
Extras on buildings in hand		500
Mortuary fittings		50
Cooking ranges		180
Disinfector		250
Crematory		200
Laundry machinery		225
Heating		260
Hot-water		400
Road from farm entrance to hospital		640
Furniture		1,500
		£9,235

On 29th June, the Town Clerk having reported "that he had arranged agreements with the under-mentioned Authorities with regard to the use of the Council's Small-pox Hospital at Dagenham, subject to the consent of the Local Government Board being obtained to the borrowing of the money required for the necessary extension of the building," the Corporate Seal was affixed to the agreements:—

East Ham Urban District Council.

Leyton	"	"	"
Barking	"	"	"
Romford	"	"	"
Ilford	"	"	"
Woodford	"	"	"
Romford Rural	"	"	"

At a later date a similar agreement was entered into with the Wanstead Urban District Council.

General Sanitary Administration.—The routine work of the office, periodically reported to you throughout the year may be briefly summed up; 5,139 notices were served, chiefly under the Public Health Act, to abate nuisances of various kinds, particulars of which will be found in the Appendix to this report. Failure to comply with these notices resulted in my applying for 109 summonses; of these, 41 were withdrawn on the payment of costs (£7), 4 were withdrawn without costs, and in the remaining 64 the Magistrate made orders to abate, imposing fines and costs amounting to £80 2s. 6d.

Factory and Workshops Acts.—During the year 83 workshops were visited, including 29 laundries. It was found necessary to serve 49 notices, in all of which cases the terms of the

notice were complied with. Particulars of the various trades carried on are given in the table below :—

Business.	No. of Workshops.	No. of Visits.	No. of Notices served.
Brushmakers	2	2	—
Shirt and Blouse Makers...	18	38	9
Dress and Mantle Makers ...	13	25	5
Milliners	3	5	2
Wire Workers	1	1	—
Tailors and Juvenile Suit Makers	4	8	2
Cycle Makers	2	6	3
Underclothing Makers	4	11	2
Confectioners	1	1	—
Printers, &c.	2	2	1
Laundries	29	76	24
Cabinet Maker	1	1	—
Brass Foundry	1	3	1
Ironmonger	1	1	—
Harness Maker	1	1	—
	—	—	—
Totals	83	181	49
	=====	=====	=====

Shop Hours' Act.—During the year over 800 shops were visited and 55 infringements of the Act reported. Two summonses were applied for and granted, the Magistrate inflicting fines and costs amounting to £3 7s. 6d. The other offenders were cautioned.

Bakehouses.—180 bakehouses were visited and inspected, and notices to cleanse served in 17 cases.

Slaughter Houses.—There are 31 slaughter houses in the Borough, many of them being but little used. It is obvious, however,

that unless an Inspector devote his whole time to the duty of constantly visiting them, the carcasses cannot be efficiently inspected. This is out of the question at present, but is strongly dwelt upon in the Report of the Royal Commission on Tuberculosis, which I am bringing before your notice.

Common Lodging Houses.—The 14 common lodging houses in the Borough were repeatedly visited, and were found in a fairly cleanly condition. Several of them, however, consist of two or more houses made to inter-communicate either within or without for the specific purpose for which they are used, and, consequently, are ill-adapted for providing elevating surroundings for their clientèle, but as they are registered, the only course open to your officers is to see that they are kept as clean as possible. The only alteration of the year was the registration of Mrs. Ann Grace Turner as the keeper of No. 2, East Street.

Offensive Trades.—In May, Mr. Henry Lehman applied for and was granted permission to establish the trade of soap-boiler in Marshgate Lane.

Messrs. Day & Co., who were discovered to have established a fellmongery without permission, were ordered to discontinue the business, and have since left the district.

Dairies, Cowsheds, and Milkshops.—No legal proceedings were taken during the year under the above Orders. In the Autumn the register was taken over and a systematic inspection commenced, particulars of which I shall furnish in my next report.

Sale of Food and Drugs Acts, Margarine Act.—Under these Acts, 241 samples were purchased for analysis, and 37 were returned by the Public Analyst as adulterated. In consequence, I applied for 39 summonses, at the hearing of which the Magistrate

imposed fines and penalties amounting to £161 1s. 6d. Particulars of adulteration are given below :—

Number of Samples taken under the Sale of Food and Drugs Acts.

Article.	Genuine.	Adulterated.	Total.
Coffee	19	3	22
Butter	71	16	87
Lard	8	1	9
Milk	63	15	78
Pepper	10	—	10
Mustard	6	—	6
Whiskey	14	—	14
Brandy	3	—	3
Gin	6	1	7
Rum	4	1	5
TOTALS... ..	204	37	241

Percentages of Adulteration in the articles above referred to:—

ADULTERATED COFFEE—

- (1.) 60 per cent. Chicory.
- (2.) 33 " "
- (3.) 50 " "

ADULTERATED BUTTER—

- (1.) 50 per cent. Margarine.
- (2.) Margarine, only traces of Butter Fats.
- (3.) " " " "
- (4.) " " " "

- (5.) 80 per cent. Margarine.
- (6.) Margarine, only traces of Butter Fats.
- (7.) " " " "
- (8.) " " " "
- (9.) " " " "
- (10.) 45 per cent. Margarine.
- (11.) Margarine, only traces of Butter Fats.
- (12.) " " " "
- (13.) " " " "
- (14.) " " " "
- (15.) " " " "
- (16.) 85 per cent. Margarine.

ADULTERATED LARD—

- (1.) 15 per cent. Beef and Mutton Stearine.

ADULTERATED MILK—

- (1.) 8·5 per cent. added Water.
- (2.) 40 " of Cream abstracted.
- (3.) 7 " added Water.
- (4.) 12 " "
- (5.) 14 " "
- (6.) 5 " "
- (7.) 4 " " and 15 per cent. Cream
[abstracted.]
- (8.) 27 " "
- (9.) 21 " "
- (10.) 10 " "
- (11.) 9 " "
- (12.) 6 " " and 20 per cent. Cream
[abstracted.]
- (13.) 24 " "
- (14.) 11 " "
- (15.) 5 " "

ADULTERATED SPIRITS—

- (1.) Rum, 37° below proof.
- (2.) Gin, 39° " "

Unhealthy Dwelling Houses.—The only houses which I reported during the year under the Housing of the Working Classes Act, 1890, were Nos. 79, 81, and 83, Wellington Road, Forest Gate, which have been rendered fit in response to notice.

Dead Bodies.—In October and December, I obtained Magistrates' orders for the removal of dead bodies to the Mortuary.

On the 23rd of March, the Council, in response to a letter from the King's Norton Rural District Council, adopted the following resolution and forwarded a copy thereof to the Local Government Board :—

“In the opinion of this Council, it is desirable in the interest of the public health that the provisions of the Public Health Act, 1875, and the Public Health (Interments) Act, 1879, should be so amended as to enable any local authority to acquire, provide, construct, and maintain a Crematorium, and that the Local Government Board be urged to secure the necessary amendment of the law.”

Infant Life Protection Act, 1897, transferred to the Board of Guardians the duty, hitherto undertaken by the Council, of carrying out the provisions of the Act of 1872.

Cleansing of Persons Act, 1897, which received the Royal assent on August 6th, and allows local authorities to “provide cleansing and disinfection for persons infected with vermin,” was considered by the Council on 12th October, who, following the recommendation of your Committee did not see fit to take any action in the matter.

Female Sanitary Inspector.—On consideration of my last Annual Report, the Council decided to appoint a female assistant inspector of nuisances. Miss Alice Billing was appointed on January 11th, 1898, and has already done admirable work.

Closure of Schools.—In July, the Local Government Board issued a “Memorandum, prepared in the Medical Department, on the circumstances under which the closing of Public Elementary Schools, or the exclusion therefrom of particular children, may be required, in order to prevent the spread of disease.”

The Board also issued Model Bye-laws in respect of “Public Bathing.”

Collection of House Refuse.—During the year 1897, the whole of the House Refuse of the Borough was collected twice a week from each house, by the Corporation's own horses and carts; the staff employed consisting of two dust inspectors and 46 men, who require the exclusive daily use of 31 horses, 16 two-wheeled carts and 14 four-wheeled vans.

The staff were employed on 304 days and collected 24,088 loads, an increase of 641 loads over the previous year, or a daily average of 79·4 loads :—

	No. of Loads.	Average Daily Collection.
Northern Division ...	14,075	46·4
Southern Division ...	10,013	33

The whole of the house refuse was deposited at various dust shoots within the Borough, as under :—

	Loads.
Corporation Yard	11
Carpenter's Road (Mr. Base) ...	5,766
Temple Mills (Abbott & Co.) ...	8,298
Beckton Road (Mr. Handley) ...	10,013

The time taken in the above collection may be gauged by the following Table, which shows the time of finishing on each working day ; the time specified being the hour in each division when the

last load started for the shoot. On the 1st May, the collection was discontinued for that day at noon :—

Time of Finishing.	No. of days when the last cart left District for Shoot.	
	Northern Division.	Southern Division.
Between 4 and 4.30 p.m.	195	45
„ 4.30 „ 5 „	37	108
„ 5 „ 5.30 „	50	110
„ 5.30 „ 6 „	8	18
„ 6 „ 6.30 „	4	15
„ 6.30 „ 7 „	—	1
„ 7 „ 7.30 „	1	2
„ 7.30 „ 8 „	—	1
„ 8 „ 9 „	2	3
„ 9 „ 9.30 „	6	—

The approximate weight of the house refuse collected was 30,110 tons. The Borough Treasurer, in his report for the year ending Lady-day, 1898, gives the total cost of collection of house refuse as £7,150 17s. 11d. Assuming that the ratio of increase during the first three months of 1898 corresponded to that of 1897, the cost of collection and disposal works out at 4s. 9d. per ton.

I am, Gentlemen,

Your obedient servant,

CHARLES SANDERS.

APPENDIX.

Table showing Births and Deaths in West Ham, with their respective rates during the past 15 years.

Year.	Births.	Birth-rate per 1,000 living.	Deaths.	Death-rate per 1,000 living.
1883	6,014	42	2,693	19
1884	6,563	43·7	3,057	20
1885	6,547	41·9	3,503	22
1886	7,075	41·6	3,151	18·5
1887	6,865	39·1	3,286	18·7
1888	6,867	38·5	2,848	18
1889	6,947	38·5	2,883	18
1890	7,063	38·5	3,977	21·7
1891	7,911	38·2	3,952	19·1
1892	8,013	36·9	4,019	18·6
1893	8,026	35·3	4,565	20
1894	8,089	33·9	4,026	18·2
1895	8,591	35·9	4,656	20·9
1896	8,519	35·4	4,395	18·9
1897	8,761	33·8	4,486	18·2

West Ham Zymotic Death-rate during the past 15 years.

Year.	No. of Deaths from Chief Zymotic Diseases	Zymotic Death-rate, per 1,000 living.	Remarks.
1883	420	2·9	
1884	696	4·6	Small-pox epidemic.
1885	1,014	6·3	Small-pox epidemic.
1886	563	3·3	
1887	460	5·2	Half-year report only.
1888	466	2·6	Notification introduced.
1889	352	1·9	
1890	752	4·1	Measles epidemic.
1891	489	2·3	
1892	721	3·3	Scarlatina epidemic.
1893	913	4	Small-pox & whooping-cough.
1894	830	3·4	{ Small-pox, first half-year ; two epidemics of diphtheria.
1895	951	3·9	Enteric fever and small-pox.
1896	982	3·9	Plaistow Fever Hospl. opened.
1897	953	3·6	

Notified Cases and Percentage of Deaths to Attacks during the
past Nine Years in the under-mentioned Specific Fevers.

Disease.	Year.	No. of Cases notified.	No. of Deaths.	Percentage of Deaths to Attacks.
Scarlatina ...	1889	806	78	9 per cent.
	1890	921	49	5 "
	1891	742	29	4 "
	1892	2,023	70	3 "
	1893	2,184	83	3 "
	1894	1,061	33	3 "
	1895	1,404	42	3 "
	1896	1,601	56	3.5 "
	1897	1,143	29	2.6 "
Diphtheria ...	1889	145	32	23 per cent.
	1890	232	50	21 "
	1891	179	55	30 "
	1892	401	100	24 "
	1893	470	104	22 "
	1894	847	192	22 "
	1895	850	186	21.3 "
	1896	894	193	21.5 "
	1897	675	99	14.7 "
Enteric Fever	1889	171	39	22 per cent.
	1890	254	43	17 "
	1891	248	49	19 "
	1892	138	23	17 "
	1893	359	68	18 "
	1894	236	44	18 "
	1895	320	62	19.3 "
	1896	373	66	17.6 "
	1897	290	51	17.5 "

Weekly Notifications of Infectious Disease received during the year 1897.

Week Ending.			Small-pox.	Scarlatina.	Diphtheria.	Enteric Fever.	Continued Fever.	Puerperal. Fever.	Cholera.
January	9th	...	—	22	11	3	—	—	—
"	16th	...	—	16	15	2	—	—	—
"	23rd	...	—	11	12	2	—	—	—
"	30th	...	—	9	8	4	—	—	—
February	6th	...	—	25	8	7	—	—	—
"	13th	...	—	24	8	6	—	1	—
"	20th	...	—	18	11	4	—	—	—
"	27th	...	3	14	16	8	—	—	—
March	6th	...	—	16	7	—	—	—	1
"	13th	...	—	19	15	2	—	1	—
"	20th	...	—	21	7	5	—	1	—
"	27th	...	—	21	5	1	—	—	—
April	3rd	...	—	19	18	2	—	—	—
"	10th	...	—	24	11	2	—	—	—
"	17th	...	—	7	18	1	1	—	—
"	24th	...	—	25	18	4	1	—	—
May	1st	...	1	8	9	2	—	1	—
"	8th	...	—	12	14	3	1	—	—
"	15th	...	—	15	7	1	—	—	—
"	22nd	...	—	8	16	7	1	—	—
"	29th	...	—	22	10	2	—	—	—
June	5th	...	—	17	18	5	1	—	—
"	12th	...	—	14	14	4	—	—	—
"	19th	...	—	18	12	1	—	1	—
"	26th	...	—	19	11	2	—	—	—
July	3rd	...	—	21	12	3	—	—	—

July	10th	...	—	3	11	—	—	—
"	17th	...	—	30	9	8	—	—
"	24th	...	—	25	13	2	2	—
"	31st	...	—	37	16	6	—	2
August	7th	...	—	10	8	3	—	1
"	14th	...	—	18	11	6	—	—
"	21st	...	—	18	8	7	—	1
"	28th	...	—	19	4	12	—	4
September	4th	...	—	11	9	9	—	1
"	11th	...	—	28	9	7	—	—
"	18th	...	—	36	11	10	—	—
"	25th	...	—	35	12	11	—	—
October	2nd	...	—	39	21	12	—	—
"	9th	...	—	31	17	10	1	—
"	16th	...	—	32	14	14	—	—
"	23rd	...	—	42	21	15	—	—
"	30th	...	—	33	23	9	2	—
November	6th	...	—	27	14	9	—	—
"	13th	...	—	34	25	10	1	—
"	20th	...	—	22	17	10	—	—
"	27th	...	—	17	20	3	—	—
December	4th	...	—	24	18	2	—	1
"	11th	...	—	26	10	8	—	—
"	18th	...	—	33	17	3	—	1
"	25th	...	—	35	17	12	—	1
January	1st, 1898	...	—	33	9	9	—	—
TOTALS		...	4	1,143	675	290	11	13
								6

Weekly Admissions to Plaistow Fever Hospital.

Week Ending.		Scarlatina.		Diphtheria.		Week Ending.		Scarlatina.		Diphtheria.	
		Males	Females	Males	Females			Males	Females	Males	Females
January	7 ...	—	1	2	1	Brought forward	...	36	40	30	30
"	14 ...	1	1	2	2	July	1 ...	3	—	1	2
"	21 ...	1	4	—	—	"	8 ...	1	2	1	1
"	28 ...	1	—	2	—	"	15 ...	1	5	—	—
February	4 ...	1	2	2	—	"	22 ...	1	—	—	2
"	11 ...	3	1	—	2	"	29 ...	1	1	3	—
"	18 ...	—	2	—	—	August	5 ...	1	2	—	1
"	25 ...	2	3	1	1	"	12 ...	3	—	—	3
March	4 ...	1	—	1	3	"	19 ...	—	—	3	1
"	11 ...	3	2	3	2	"	26 ...	1	3	2	2
"	18 ...	—	4	—	—	September	2 ...	1	1	2	—
"	25 ...	1	—	—	—	"	9 ...	—	1	2	—
April	1 ...	3	1	1	1	"	16 ...	3	3	2	—
"	8 ...	1	1	1	1	"	23 ...	1	1	1	2
"	15 ...	2	2	4	1	"	30 ...	4	—	3	5
"	22 ...	2	3	—	—	October	7 ...	1	2	1	3
"	29 ...	2	1	2	1	"	14 ...	1	—	7	3
May	6 ...	1	3	1	2	"	21 ...	2	1	3	4
"	13 ...	1	2	1	—	"	28 ...	1	6	2	—
"	20 ...	1	1	—	5	November	4 ...	2	—	1	1
"	27 ...	1	—	2	—	"	11 ...	2	—	1	1
June	3 ...	3	2	3	1	"	18 ...	2	3	1	1
"	10 ...	2	—	—	3	"	25 ...	5	2	—	3
"	17 ...	2	2	—	1	December	2 ...	2	2	1	5
"	24 ...	1	2	2	3	"	9 ...	1	1	1	—
						"	16 ...	—	2	1	2
						"	23 ...	3	—	3	2
						"	30 ...	1	1	—	—
Carried forward	...	36	40	30	30	Totals	...	80	79	72	74

Brought forward	...	...	...	...	...	15,559
To empty cesspools	...	...	...	...	...	23
Offensive urinal	...	...	...	...	...	1
To provide dung pits	...	...	...	...	...	10
Smoke nuisances	...	...	...	...	...	2
Premises unfit for human habitation	...	...	...	...	...	3
To cleanse ditches...	...	...	...	...	...	4
To remove soil pipes	...	...	...	...	...	35
To provide ventilation	...	...	...	...	...	237
Sinks defective	...	...	...	...	...	22
To provide sinks	...	...	...	...	...	2
					TOTAL	<u>15,898</u>

1,235 rooms in **1,194** houses were disinfected.

PROSECUTIONS.

Date.	Name.	Address.	Cause of Prosecution	Result.
1897. Jan. 13th	Wm. Treweek ...	87, Plaistow Road, West Ham.	Selling butter containing only traces of the fatty constituents of real butter.	Fined £5 and £1 5s. costs.
Do.	George Day ...	16, Carlton Street, Canning Town.	Selling milk adulterated with 31 per cent. of added water.	Fined £10 and 17/6 costs.
Do.	Mary James ...	16, Rathbone Street, Canning Town.	Selling milk adulterated with 19 per cent. of added water.	Fined £5 and £1 0s. 6d. costs.
Do.	Mary Evans ...	40, Rathbone Street, Canning Town.	Selling milk adulterated with 18 per cent. of added water.	Fined £4 and 19/6 costs.
Do.	John Williams ...	32, Woodstock Street, Canning Town.	Selling milk adulterated with 11 per cent. of added water.	Fined £2 and 17/6 costs.
Do.	Saml. Hyde ...	36, Rathbone Street, Canning Town.	Selling milk adulterated with 6 per cent. of added water.	Do.
Do.	J. Stewart ...	59, Bishopsgate Street, E.C.	Non-compliance with terms of notice in respect to No. 18, Newman Road, Plaistow.	Summons with- drawn on pay- ment of costs, 10/-. Work completed be- fore date of hearing.

Date.	Name.	Address.	Cause of Prosecution.	Result.
Jan. 13th	H. T. Baker ...	238, Sebert Road, Forest Gate.	Non-compliance with terms of notice in respect to No. 284, Romford Road, Forest Gate, E.	Fined 10/- and and 17/- costs.
Do.	Mrs. Hodges ...	8, Woodstock Road, Gipsy Lane.	Non-compliance with terms of notice in respect to No. 77, Harold Road, Upton.	Summons with- drawn on pay- ment of costs, 2/6. Work completed be- fore date of hearing.
Jan. 20th	Mr. Ward ...	214, Beckton Road, Canning Town.	Non-compliance with terms of notice in respect to No. 50 Chargeables Street, Canning Town.	Fined 10/- and 17/- costs.
Jan. 27th	C. Mansfield ...	Alfred Villa, Forest Lane, Stratford.	Non-compliance with terms of notice in respect to No. 146, Hermit Road, Canning Town.	Fined 10/- and 18/6 costs.
Feb. 10th	J. Preston ...	63, Northern Road, Plaistow.	Non-compliance with terms of notice in respect to No. 57A, Northern Road, Plaistow.	Summons with- drawn on pay- ment of costs 2 6 Work completed be- fore date of hearing.

Do.	Thos. Enderby ...	Manor Park Milk Co., 4, Lee Street, Lime- house.	Selling milk adulterated with 8 per cent. of added water.	Fined £1 and 19/6 costs.
Do.	Susan Bailey ...	1, Blanche Street, Canning Town.	Selling milk with 40 per cent. of cream abstracted.	Fined £1 5s. and £1 15s. costs.
Mar. 3rd	R. W. Tann ...	70, Coolfyn Road, Custom House.	Non-compliance with terms of notice in respect to No. 2, Garvary Road, Custom House.	Fined 5/- and £1 1s. costs.
Do.	T. Cash ...	52, Wrotham Road, Camden Square, London.	Non-compliance with terms of notice in respect to Nos. 67, 71, 73, 75, 77 and 79, Vincent Street, Canning Town.	Fined 10/- and 18/- costs in each case. Total fines and costs £8 8s.
Mar. 17th	J. Hale ...	253, Lavender Hill, Battersea.	Non-compliance with terms of notice in respect to No. 11, Queen's Road, Tidal Basin.	Fined £1 and 15/- costs.
Do.	Do. ...	Do. ...	Non-compliance with terms of notice in respect to No. 15, Queen's Road, Tidal Basin.	Fined 10/- and 15/6 costs.
Do.	Do. ...	Do. ...	Non-compliance with terms of notice in respect to No. 17, Queen's Road, Tidal Basin.	Do.

Date.	Name.	Address.	Cause of Prosecution.	Result.
Mar. 17th	Frederick Flack	90, Vicarage Lane, West Ham.	Selling butter adulterated with 50 per cent. of margarine.	Fined £2 and £1 2s. 6d. costs.
Do.	Sarah Poulter ...	134, Major Road, Stratford.	Selling milk adulterated with 14 per cent. of added water.	Fined £2 and 19/6 costs.
Do.	Hy. Thos. Robin- son	41, Vansittart Road, Forest Gate, E.	Selling milk adulterated with 12 per cent. of added water.	Fined £2 and £1 0s. 6d. costs.
Do.	Edwin Escott ...	5, Reginald Road, Forest Gate, E.	Selling milk adulterated with 7 per cent. of added water.	Fined £1 and 17/6 costs.
Apr. 7th	Gilbert Filshil ..	Whitney Green, Ongar, Essex.	Selling milk to the prejudice of consignee, adulterated with 5 per cent. of added water.	Fined £1 and £1 5s. 0d. costs.
Apr. 14th	A. J. Sheepwash	158, Downsell Road, Stratford.	Selling milk with 15 per cent. of its original cream abstracted.	Fined 5/- and 7/- costs.
Do.	Do. ..	Do.	Selling milk adulterated with 4 per cent. of added water.	Fined £3 and 14/6 costs.
Apr. 21st	D. C. Simpson ...	The Graydons, Wood- ford Road, Forest Gate.	Non-compliance with terms of notice in respect to Nos. 16, 18, 20, 22, 26, 28, 34, 36 and 40, Dames Road, Forest Gate.	Fined 10/- and 15/- costs in each case. Total fines and costs £11 5s.

Do.	S. A. Pigerani ...	41, St. John's Road, Hoxton.	Non-compliance with terms of notice in respect to No. 1, Addison Road, Canning Town.	Fined 10/- and 18/6 costs.
Do.	Wm. Ellis ...	335, Barking Road, Plaistow.	Non-compliance with terms of notice in respect to Nos. 4, 6, 8, 10, 12, 14 and 16, Newton Street.	Fined 10 - and 15/- costs in each case. Total fines and costs £8 18s. 6d.
Do.	A. W. Kaye ...	Railway Arch, High Road, Leytonstone.	Non-compliance with terms of notice in respect to No. 3, Wharf Road, Stratford.	Fined 10/- and 15/- costs.
Do.	A. T. Haines ...	1, Crosby Road, Stratford.	Non-compliance with terms of notice in respect to No. 40, Elphicke Street, Canning Town.	Summons with- drawn on pay- ment of costs, 7/6. Work completed be- fore date of hearing
Apr. 28th	J. Marsh ...	76, Ridley Road, Forest Gate.	Non-compliance with terms of notice in respect to No 7, Dongola Road, Plaistow.	Fined 2/6 and 17/- costs.
Do.	F. Hamlett ...	Cotswold House, Barking Road, Plaistow.	Non-compliance with terms of notice in respect to No. 91, New City Road, Plaistow.	Summons with- drawn on pay- ment of costs. Work done before date of hearing.

Date.	Name.	Address.	Cause of Prosecution.	Result.
April 28th	Thos. G. Holtum	465, Romford Road, E.	Unlawfully employing a certain young person, under the age of 18 years, for more than 74 hours in one week.	Fined £1 and 7/- costs.
Do.	Do.	Do. ...	For failing to exhibit a notice under the Shop Hours Act.	Fined £1 and £1 0s. 6d. costs.
May 5th	P. J. Dixon ...	263, Bethnal Green Road, E.	Non-compliance with terms of notice in respect to No. 171, Plashet Road, Upton.	Order made to abate within seven days, and 18/6 costs.
Do.	Charles Living ...	125, Broadway, Plaistow.	For allowing a polluted well, at No. 121, The Broadway, Plaistow, to be used for drinking and domestic purposes.	Summons withdrawn.
May 12th	David Nash ...	102, Vicarage Lane, West Ham.	Selling butter containing only traces of the fatty constituents of real butter.	Fined £2 and 19/6 costs.
Do.	Henry Bailey ...	14, Terrace Road, Upton Manor.	Do. do.	Fined £2 and £1 1s. 0d. costs.

May 26th	H. Coupland ...	214, Eglinton Road, Plumstead.	Non-compliance with terms of notice in respect to No. 12, Eastwood Road, Silvertown.	Order made to abate within seven days.
Do.	Alfred Stearn ...	6, Barking Road, Canning Town.	Non-compliance with terms of notice in respect to No. 47, Evelyn Road, West Silvertown.	Summons with- drawn on pay- ment of costs. Work com- pleted before date of hear- ing.
June 16th	Wm. J. West ...	140, Goldsmith's Row, Hackney.	Selling butter containing only traces of the fatty constituents of real butter.	Fined £8 and £1 5s. costs.
Do.	Do. ...	Do. ...	Selling margarine not in a package duly branded or durably marked.	Fined £2 and 7/- costs.
Do.	Danl. G. Housden	148, Odessa Road, Forest Gate.	Selling butter containing only traces of the fatty constituents of real butter.	Fined £3 and 19/6 costs.
Do.	William Ward ...	37, Greengate Street, Plaistow.	Selling milk adulterated with 21 per cent. of added water.	Fined £4 and 17/6 costs.
Do.	Henry Phillips ...	9, Buckingham Road, Stratford.	Selling milk adulterated with 27 per cent. of added water.	Fined £5 and 17/6 costs.
Do.	James Softley ...	235, Star Lane, Plais- tow,	Selling milk adulterated with 10 per cent. of added water.	Fined £2 and £1 5s. costs

Date.	Name.	Address.	Cause of Prosecution.	Result.
June 16th	William Woods...	18, Burke Street, Canning Town.	Selling milk adulterated with 9 per cent. of added water.	Fined £10 and 17/6 costs (fourth con- viction).
Do.	Thomas Walsh ...	"The Clarendon Hotel," Tidal Basin Road.	Selling gin diluted with water so as to reduce its alcoholic strength four degrees below the minimum strength allowed by the Act.	Fined £3 and £1 1s. costs.
June 30th	J. Holmes ...	37, Lauriston Road, Hackney.	Non-compliance with terms of notice in respect to No. 147, Forty Acre Lane.	Fined 10/- and 15/- costs.
Do.	Do. ...	Do.	Non-compliance with terms of notice in respect to No. 149, Forty Acre Lane.	Do.
Do.	Do. ...	Do.	Non-compliance with terms of notice in respect to No. 151, Forty Acre Lane.	Do.
Do.	Do. ...	Do.	Non-compliance with terms of notice in respect to No. 153, Forty Acre Lane.	Do.
Do.	R. Rowe...	99, Garvary Road, Custom House.	Failing to abate overcrowding.	Summons with- drawn.

Do.	Michael Higgins..	17, Gratwick Street, Abbey Street, Ber- mondsey.	For removing fish offal through the Borough during prohibited hours.	Fined £2 and 14/6 costs.
Do.	Do. ...	Do.	Do. do.	Do.
July 21st	Wm. R. Bennett.	The Gibraltar Tavern, Tidal Basin Road.	For selling rum diluted with water so as to reduce its alcoholic strength twelve degrees below the minimum strength allowed by the Act.	Fined £3 and £1 8s. 6d. costs.
Do.	Annie W. Hird...	420, Bethnal Green, Road.	Exposing for sale margarine with- out label.	Fined £3 and £1 costs.
July 28th	W J. Cook ..	201, Commercial Rd., London.	Non-compliance with terms of notice in respect to No. 27, Sutton Road, Plaistow.	Summons with- drawn on pay- ment of costs, 11/-. Work completed before date of hearing.
Do.	J. Allison ...	27, Selwyn Road, Upton Manor.	Non-compliance with terms of notice in respect to No. 22, Salmen Road, Plaistow.	Do.

Date.	Name.	Address.	Cause of Prosecution.	Result.
July 28th	Leo Sanders ...	51, Plaistow Road, West Ham.	Non-compliance with terms of notice in respect to Nos. 5 and 7, George Street, Silvertown.	Fined 5/- and 15/- costs in each case. Total fines and costs £2.
Aug. 4th	C. Mansfield ...	Alfred Villa, Forest Lane, Stratford.	Non-compliance with terms of notice in respect to Nos. 142 and 144, Hermit Road, Canning Town.	Summons with- drawn on pay- ment of costs. Work com- pleted before date of hear- ing.
Aug. 25th	C. Harnden ...	32, East India Road, Limehouse.	Non-compliance with terms of notice in respect to Nos. 52 and 60, Vincent Street, Canning Town.	Fined 10/- and 17/- costs in each case. Total fines and costs £2 4s.
Do.	J. Dixon ...	17, Foxley Road, Brixton.	Non-compliance with terms of notice in respect to No. 34, Martindale Road, Custom House.	Fined 10/- and 18/- costs.

Do.	H. Hammond ...	190, Barking Road, Plaistow.	Non-compliance with terms of notice in respect to No. 2, Morgan Street, Canning Town.	Summons with- drawn on pay- ment of costs, 8/6. Work completed be- fore date of hearing.
Do.	P. G. Busbridge	96, Herbert Road, Plumstead.	Non-compliance with terms of notice in respect to No. 51, Andrew Street, Silvertown.	Summons with- drawn on pay- ment of costs. Work com- pleted before date of hear- ing.
Sept. 29th	W. Hy. Gardner	56, Hudson Road, Canning Town.	Non-compliance with terms of notice <i>re</i> land at junction of Forty Acre Lane and Beckton Road.	Orders made for costs 7/- and to abate nuisance.
Do.	A. Mills ...	Cumberland Farm, New Barn Street, Plaistow.	Non-compliance with terms of notice <i>re</i> land adjoining Prince Regent's Terrace, Prince Regent's Lane.	Order made to abate within 7 days and 7/6 costs.
Do.	T. Nosworthy ...	The Stables, Assam Street, Church Lane.	Non-compliance with terms of notice <i>re</i> Nos. 31, 33 and 35, Warmington Street, Plaistow.	Fined 10/- and 17/- costs in each case. Total fines and costs £4 1s.

Date.	Name.	Address.	Cause of Prosecution.	Result.
Sept. 29th	T. Ridd ...	85, Forest Lane, Stratford.	Non-compliance with terms of notice in respect to Nos. 7, 8 9 and 10, Smith Street, Canning Town.	Fined 5/- and 15/- costs in each case. Total fines and costs £4.
Oct. 6th	Harry Raby ...	Blackmore, Ingatestone, Essex.	Milk in course of delivery, containing 6 per cent. of added water.	Fined £2 and £1 9s. 0d. costs.
Do.	Do. ...	Do. ...	Milk in course of delivery, with one-fifth of its original cream abstracted.	Summons withdrawn in consequence of conviction in previous case.
Do.	Do. ...	Do. ...	Giving false warranty.	Do.
Do.	John Wilcoxon...	8, Rook St., Poplar.	Removing fish offal through the Borough during prohibited hours.	Fined 10/- and 7/- costs.
Oct. 20th	H. G. Fryer ...	48, Upton Park Rd., Upton Park.	Non-compliance with terms of notice, in respect to Nos. 105, 156, and 158, Leyes Road, Custom House.	Fined 10/- and 15 - costs. Total fines and costs £3 15s. 0d.

Oct. 25th	A. Gray	...	334, Commercial Rd., London.	Non-compliance with terms of notice, in respect to No. 1, Boyd Road, Canning Town.	Fined 10/- and 8/6 costs, and order made to abate within seven days.
Do.	John Hipwell	...	69, Portway, West Ham.	Selling milk adulterated with 11 per cent. of added water.	Fined £3 and 17/6 costs.
Do.	Thomas Williams		73, Albert Road, Silvertown.	Selling milk adulterated with 24 per cent. of added water.	Fined £10 and 17/6 costs.
Do.	Owen A. Attewell		Tennyson Stores, Whalebone Lane, Stratford.	Selling margarine not in a package duly branded or durably marked.	Fined £2 and 17/6 costs.
Do.	Mary Jones	...	420, Bethnal Green Road.	Do. do.	Fined £1 and 17/6 costs.
Do.	Phillip Powell	...	235, Prince Regent's Lane.	Do. do.	Fined £2 and 17/6 costs.
Do.	Chas. Jno. Perry- man.		88, Roscoe Street, Canning Town.	Do. do.	Do.

Date.	Name.	Address.	Cause of Prosecution.	Result.
Oct. 25th	Robt. Loftus ...	109, St. Paul's Road, Burdett Road.	Selling margarine not in a package duly branded or durably marked.	Fined £2 and £1 0s. 6d. costs.
Do.	Do. ...	Do.	For exposing margarine for sale without proper label.	Fined £3 and 19/- costs.
Nov. 24th	T. Ridd ...	85, Forest Lane, Stratford.	For failing to obey Magistrate's order <i>re</i> No. 8, Smith Street, Canning Town.	Summons with- drawn on pay- ment of costs, 2/6.
Do.	Do ...	Do.	For failing to obey Magistrate's order <i>re</i> No. 7, Smith Street, Canning Town.	Do.
Do.	A. Daniel ...	196, High Street, Poplar.	Non-compliance with terms of notice <i>re</i> 49, Bidder Street, Canning Town.	Fined £2 and 18 - costs.
Do.	John Hine ...	Cube House, Silver- town.	Non-compliance with terms of notice in respect to No. 5, Muir Street, Silvertown.	Fined 5/- and 15/- costs, or- der to abate in 14 days.

Do.	Do.	...	Do.	Non-compliance with terms of notice <i>re</i> No. 5, Parker Street, Silvertown.	Fined 5/- and 15/- costs, order to abate in 14 days.
Do.	Do.	...	Do.	Non-compliance with terms of notice <i>re</i> No. 7, Parker Street, Silvertown.	Fined 5/- and 15/- costs, order to abate in 14 days.
Do.	Do.	...	Do.	Non-compliance with terms of notice <i>re</i> No. 9, Parker Street, Silvertown.	Fined 5/- and 15/- costs, and order made to abate in 14 days.
Do.	J. Eastwood	...	50, Newland Street, Silvertown.	Non-compliance with terms of notice <i>re</i> No. 22, Tate Road, Silvertown.	Summons withdrawn on payment of costs. Work completed before date of hearing.

Date.	Name.	Address.	Cause of Prosecution.	Result.
Dec. 8th	J. Lawrence ...	101, Prince Regent's Lane, E.	For infringement of Swine Byelaws.	Summons withdrawn on payment of costs, 2/6. Swine removed before date of hearing.
Do.	W. H. Egg ...	51, King's Road, Fillebrook, Wanstead.	Non-compliance with terms of notice in respect to Nos. 139, 141, and 143, Prince Regent's Lane, Plaistow.	Summons withdrawn on payment of costs, 7/6. Work done before date of hearing.
Do.	Edwin Cullum ...	21, Broadway, Gipsy Lane.	Selling margarine not in a package duly branded or durably marked.	Fined £2, and £1 10s. 6d. costs.
Do.	Eliza Procter ...	86, Stephen's Road, West Ham.	Selling coffee adulterated with 60 per cent. of chicory.	Fined £2, and 19/6 costs.
Do.	Daniel Davies ...	3, St. George's Market, Gipsy Lane.	Selling margarine not in a package duly branded or durably marked	Fined £2, and £1 10s. costs.

Dec. 15th	Rev. J. Chadburn	Cheam Road, Sutton, Surrey.	Non-compliance with terms of notice in respect of Nos. 50 and 54, King Street; 271, Barking Road; 332, Victoria Dock Road; 89, 91, 93, and 101, Randolph Road; 20 and 21, Chargeables Lane; 8, 15, 23, 25, and 27, Luton Road; 23 and 29, Liddon Road; and 44, 46, 48, 54, 56, 62, and 64, Newman Road.	Summons with- drawn on pay- ment of costs, £3. Work completed be- fore date of hearing.
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(A)—Table of Deaths during the year 1897, in the County Borough of West Ham

NAMES OF LOCALITIES adopted for the purpose of these Statistics ; public institutions being shown as separate localities.	Mortality from all causes, at subjoined Ages.							MORTALITY FROM				
	At all Ages.	Under 1 year.	1 and under 5	5 and under 15	15 and under 25	25 and under 60	60 and upwards		Small-pox.	Scarlatina.	Diphtheria.	Membranous Group.
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	1	2	3	4
Stratford Ward	689	276	110	31	24	138	110	Under 5 5 upwds.	...	2 2	7 2	...
Forest Gate Ward	721	218	107	29	28	157	182	Under 5 5 upwds.	...	3 3	7 4	...
Plaistow Ward	1242	535	240	50	35	214	168	Under 5 5 upwds.	...	5 3	14 10	2 ...
Canning Town Ward	1150	430	252	60	45	241	122	Under 5 5 upwds.	...	2 1	20 9	7 1
Borough Hospital	25	...	17	7	1	...	...	Under 5 5 upwds.	...	6 1	11 7	...
West Ham Hospital	53	5	14	13	...	14	7	Under 5 5 upwds.	...	...	...	...
Seamen's Hospital	42	1	1	...	5	30	5	Under 5 5 upwds.	...	...	...	...
St. Mary's Hospital	42	21	17	4	...	...	...	Under 5 5 upwds.	...	...	2 3	...
West Ham Workhouse	306	16	16	4	12	125	133	Under 5 5 upwds.	...	...	...	...
Totals	4270	1502	774	198	150	919	727	Under 5 5 upwds.	...	18 10	61 36	9 1

The subjoined numbers have also been taken into

Deaths occurring outside the district among persons belonging thereto.	273	37	38	21	25	128	24	Under 5 5 upwds.	...	1	5	...
Deaths occurring within the district among persons not belonging thereto.	57	4	2	4	8	36	3	Under 5 5 upwds.	...	...	1 2	...

* The heading of Column 16 is left blank for the insertion of

Urban Sanitary District, classified according to Diseases, Ages and Localities.

SUBJOINED CAUSES, DISTINGUISHING DEATHS OF CHILDREN UNDER FIVE YEARS OF AGE.

FEVERS.					Cholera.	Erysipelas.	Measles.	Whooping Cough.	Diarrhea and Dysentery.	Rheumatic Fever.	*	Phthisis.	Bronchitis, Pneumonia and Pleurisy.	Heart Disease.	Injuries.	All other Diseases.	TOTAL.
Typhus.	Enteric or Typhoid.	Continued	Relapsing.	Puerperal.													
5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
...	...	...	...	...	...	1	21	10	68	...	...	20	66	3	11	177	386
...	6	...	...	3	...	3	...	2	5	2	...	48	68	39	12	111	303
...	1	...	...	...	...	...	9	22	53	...	...	30	53	3	5	139	325
...	8	...	...	...	...	1	2	1	3	8	...	54	85	69	6	152	396
...	1	...	...	...	...	2	57	26	210	...	...	33	165	6	11	243	775
...	17	...	...	3	...	...	2	...	6	1	...	90	95	68	15	157	467
...	1	...	...	...	...	1	42	28	156	...	...	34	164	1	16	210	682
...	9	...	...	1	...	2	2	...	9	3	...	85	106	51	29	160	468
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
...	...	...	...	...	...	...	...	...	3	...	...	1	5	1	6	3	19
...	1	...	...	...	...	...	...	...	...	...	...	1	4	1	14	12	34
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2
...	1	...	...	...	...	...	...	...	...	...	...	2	2	5	17	13	40
...	...	...	...	...	...	2	1	...	7	...	...	4	10	...	1	11	38
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	4
...	...	...	...	...	...	...	...	...	2	...	...	4	3	1	1	21	32
...	2	...	...	...	...	...	...	...	2	...	...	57	56	27	4	126	274
...	3	...	...	...	...	6	130	86	499	...	...	126	466	15	53	804	2276
...	44	...	...	7	...	6	6	3	25	14	...	337	416	261	97	731	1994

account in judging of the above records of mortality.

...	...	...	...	...	...	...	1	...	8	...	...	12	13	1	5	29	75
...	4	...	...	...	...	1	...	...	...	...	...	27	13	28	28	97	198
...	...	...	...	...	...	...	...	...	1	...	...	...	2	...	...	2	6
...	...	...	...	...	...	...	...	...	...	...	...	2	2	8	27	12	51

Influenza, or any other disease it may be thought desirable to record.

(B.)—Table of Population, Births, and of New Cases of Infectious Sickness
1897, in the West Ham Urban Sanitary District; classified according

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.	NEW CASES OF SICKNESS IN EACH KNOWLEDGE OF THE MEDICAL						
	Last Census.	Es- timated to middle of 1897.			Small-pox.	Scarlatina.	Diphtheria.	Membranous Group.	FEVERS.		
									Typhus.	Enteric or Typhoid	Continued
(a)	(b)	(c)	(d)	(e)	1	2	3	4	5	6	7
Stratford Ward ...	42,982	49,083	3,399	Under 5	1	114	29	...	...	4	...
				5 upwds.	...	179	54	...	...	56	2
Forest Gate Ward ...	49,322	82,530	2,906	Under 5	1	72	45	...	...	1	2
				5 upwds.	2	170	129	...	...	58	3
Plaistow Ward—H ...	57,848	76,615	2,456	Under 5	...	134	86	...	...	7	...
				5 upwds.	...	238	207	...	...	68	2
Canning Town Ward ...	54,750	55,988	2,456	Under 5	...	84	61	...	...	7	...
				5 upwds.	1	152	64	...	...	89	2
				Under 5	...	...	...	...	...	...	...
				5 upwds	...	...	...	...	...	...	...
				Under 5	...	...	...	...	...	...	...
				5 upwds	...	...	...	...	...	...	...
				Under 5	...	...	...	...	...	...	...
				5 upwds	...	...	...	...	...	...	...
				Under 5	...	...	...	...	...	...	...
				5 upwds	...	...	...	...	...	...	...
				Under 5	...	...	...	...	...	...	...
				5 upwds.	...	...	...	...	...	...	...
				Under 5	...	...	...	...	...	...	...
				5 upwds.	...	...	...	...	...	...	...
TOTALS ...	204902	264216	8,761	Under 5	2	404	221	...	...	19	2
				5 upwds.	3	739	454	...	...	271	9

State here whether "Notification of Infectious Disease" is compulsory in the
the columns with Blank headings the names of any that are notifiable in the District,
by the sick of the District. Mark (H) the Locality in which such Hospital is situated;

coming to the knowledge of the Medical Officer of Health during the year to Diseases, Ages and Localities.

[illegible]

District—Yes. Since when?—1888. Besides the above-mentioned Diseases, insert in and fill the columns accordingly. State here the name of the Isolation Hospital used and if not within the District, state where it is situated.

West Ham Deaths Registered during 1897, at several Age Periods,
from different causes.

	All Ages.	0-1	1-5	5-20	20-40	40-60	60-80	80
Small-pox { Vaccinated Unvaccinated No Statement								
Measles	137	28	102	6	—	1		
Scarlet Fever	29	2	18	6	3			
Typhus								
Relapsing Fever								
Influenza	34	7	3	—	3	7	14	
Whooping Cough... ..	89	41	45	3				
Diphtheria... ..	99	3	60	36				
Simple Continued Fever								
Enteric Fever	51	—	3	17	22	8	1	
Cholera and Choleraic Diarrhoea	11	7	3	—	—	1		
Diarrhoea, Dysentery ..	507	379	99	4	1	8	13	3
Remittent Fever								
Hydrophobia								
Glanders								
Cowpox and effects of Vaccination								
Venereal Affections	12	9	—	1	1	—	1	
Erysipelas	13	3	4	1	2	3		
Pyæmia and Septicæmia ..	6	—	2	2	2			
Puerperal Fever	7	—	—	1	6			
Other Zymotic Diseases ...	7	—	1	—	4	2		
Thrush								
Worms and other Parasitic Diseases								
Starvation, want of Breast Milk	28	28						
Alcoholism	11	—	—	—	4	6	1	
Rheumatic Fever	12	—	—	3	4	5		
Rheumatism	7	—	—	—	2	2	2	1
Gout	6	—	—	—	—	3	3	

	All ages.	0-1	1-5	5-20	20-40	40-60	60-80	80
Rickets	8	2	5	—	—	—	1	
Cancer	160	—	1	3	9	74	69	4
Tabes Mesenterica ...	47	21	19	6	1			
Tubercular Meningitis ...	57	14	30	9	4			
Phthisis	329	2	4	38	149	122	14	
Scrofula, Tuberculosis ...	76	24	26	14	7	5		
Other Constitutional Diseases	37	2	3	5	10	11	6	
Premature Birth	177	176	1					
Atelectasis	7	7						
Congenital Malformations	21	19	2					
Old Age	126	—	—	—	—	2	74	50
Apoplexy	121	1	1	2	10	43	57	7
Epilepsy	19	—	—	2	10	4	3	
Convulsions	227	191	31	5				
Other Diseases of Brain and Nervous System ...	141	23	35	11	3	24	42	3
Diseases of Organs of Special Sense	10	1	2	5	—	1	1	
Diseases of Circulatory System	305	8	4	34	45	110	97	7
Croup	16	2	13	1				
Bronchitis	542	190	142	9	23	61	102	15
Pneumonia	226	56	58	17	22	41	30	2
Pleurisy	11	—	1	3	1	5	1	
Other Diseases of Respiratory Organs	39	6	13	3	4	7	6	
Dentition	27	18	9					
Quinsy, Sore Throat ...	1	—	—	1				
Enteritis	23	17	1	1	1	2	—	1
Peritonitis	24	3	2	6	5	5	3	

	All ages.	0-1	1-5	5-20	20-40	40-60	60-80	80
Diseases of Liver	66	10	2	—	10	27	16	1
Other Diseases of Digestive System	39	9	2	4	6	11	6	1
Diseases of Lymphatic System and Ductless Glands	3	2	—	—	—	1		
Diseases of Urinary System	82	—	2	9	13	27	27	4
Diseases of Generative System	6	—	—	—	1	3	2	
Accidents of Child-birth ...	15	4	—	—	11			
Diseases of Locomotive System	15	1	3	7	—	2	2	
Diseases of Integumentary System	5	3	—	—	—	2		
Violent Deaths—								
By Railways	12	—	—	—	2	9	1	
By Vehicles or Horses..	16	—	5	4	3	3	1	
By Ships, Docks (not drowning)	13	—	—	1	6	5	1	
In Building Operations	2	—	—	2				
In Conflagrations								
By Burns, Scalds, Explosions	20	1	11	4	1	—	3	
By Drowning	30	2	—	9	7	8	4	
By Suffocation in Bed ...	26	26						
By Poisons or Poisonous Vapours	5	—	—	—	2	3		
Other or not-stated causes	50	7	5	6	14	9	6	4
Homicide	1	—	—	1				
Suicide	10	—	—	—	2	5	3	
Other Causes	227	201	16	—	2	4	3	1
TOTALS ...	4486	1556	789	302	438	682	616	104

Number of deaths during 1897 occurring in Metropolitan, and
other Institutions, of Persons residing in West Ham.

105	in London Hospital.
36	„ Shadwell Children's Hospital.
18	„ Poplar Hospital.
14	„ City of London Chest Hospital.
10	„ S. Bartholomew's Hospital.
7	„ King's College Hospital.
6	„ Guy's Hospital.
5	„ Homerton Fever Hospital (M.A.B.).
4	„ Brompton Chest Hospital.
4	„ Royal Chest Hospital.
4	„ German Hospital.
4	„ Whitechapel Infirmary.
3	„ Homœopathic Hospital.
3	„ River Thames.
2	„ University College Hospital.
2	„ Poplar Workhouse.
2	„ Cancer Hospital.
2	„ Royal Free Hospital.
2	„ North Eastern Hospital (M.A.B.).
2	„ City of London Infirmary.
2	„ London Dock.
2	at Stepney Causeway.
1	in Millwall Dock.
1	„ Islington Infirmary.
1	„ Banstead Asylum.
1	„ Whitechapel Baths.
1	„ Hospital for Women, Euston.
1	„ S. Thomas' Hospital.
1	„ Limehouse Cut.
1	„ Earl's Court Exhibition Incubator.
1	at Islington.

Brought forward 248

- 1 at Greenwich.
- 1 in Seamen's Hospital.
- 1 „ National Hospital.
- 1 „ Hackney Infirmary.
- 1 „ S. Anne's House, Stoke Newington.
- 1 „ City of London Asylum.
- 1 „ Charing Cross Hospital.
- 1 „ River Lee.
- 1 at Lord's Cricket Ground.
- 1 „ Kennington Oval.
- 1 „ Portland Road.
- 1 in Woolwich Infirmary.
- 1 „ Bethnal Green Workhouse.
- 1 „ Girdler's Almshouses, Peckham.
- 1 „ S. Elizabeth's Home.
- 1 „ Home for Incurables.
- 1 „ City of London Lying-in Hospital.
- 1 „ Brook Hospital (M.A.B.).
- 1 „ Middlesex Hospital.
- 1 „ Hospital for Women, Soho.
- 1 „ Mile End Mother's Home.
- 1 „ Hoxton House Asylum.
- 1 „ Marylebone Consumptives' Home.
- 1 „ Bethnal House Asylum.
- 1 „ Friedenheim.
- 1 at Lambeth.
- 1 „ Drury Lane.

275 Total.

Deaths in the various Streets of the Borough, distinguishing deaths from seven chief zymotic diseases.

STREETS.	Deaths from Infectious Disease.	Deaths from all other causes.
Abbey Lane	10	13
Abbey Road	2	3
Abbey Street	3	4
Adamson Road	5	10
Addington Road	3	2
Addison Road	1	4
Adine Road	1	1
Agate Street	1	7
Agnes Street	—	1
Ailwyn Road	2	1
Albany Road	1	2
Albert Road, Forest Gate	2	10
Albert Road, Plaistow	1	—
Albert Road, Silvertown	4	2
Albert Square	3	11
Albion Street	—	—
Aldworth Road	1	3
Alexander Street	1	5
Alfred Road	—	3
Alfred Street	—	3
Alice Street	1	11
Alma Street	—	2
Alma Terrace	—	—
Almshouses, West Ham	—	1
Alnwick Road	4	6
Amber Street	—	—
Amelia Street	1	3
Amity Road	1	9
Andrew Street	2	12
Angel Lane	1	4
Angel Place	1	4
Ann Street	1	—
Anne Street	2	6
Argyle Road, Forest Gate	—	—

STREETS.						Deaths from Infectious Disease.	Deaths from all other causes.
Argyle Road, Custom House	...	...	...	...	...	5	14
Arkwright Street	...	...	...	...	...	—	1
Arrow Street	...	...	...	...	...	—	—
Arthingworth Street	...	...	...	...	...	1	7
Arthur Street	...	...	...	...	...	2	—
Ascot Street	...	...	...	...	...	3	7
Ashburton Road...	...	...	...	...	...	1	3
Ashburton Terrace	...	...	...	...	...	1	1
Ashlin Road	...	...	...	...	...	—	3
Ashton Street	...	...	...	...	...	—	2
Atherton Road	...	...	...	...	...	1	1
Aubrey Street	...	...	...	...	...	—	—
Avenons Road	...	...	...	...	...	3	6
Avenue Road	...	...	...	...	...	—	5
Aviary Street	...	...	...	...	...	1	2
1st Avenue	...	...	...	...	...	2	7
2nd Avenue	...	...	...	...	...	1	3
3rd Avenue	...	...	...	...	...	5	2
Bailey Street	...	...	...	...	...	2	1
Baker's Row	...	...	...	...	...	—	5
Balaam Street	...	...	...	...	...	5	10
Barking Road	...	...	...	...	...	9	53
Barnby Street	...	...	...	...	...	—	5
Barnby Place	...	...	...	...	...	—	1
Barnwood Road...	...	...	...	...	...	3	5
Baron Road	...	...	...	...	...	4	13
Barrow Road	...	...	...	...	...	—	—
Barwick Road	...	...	...	...	...	—	—
Bath Road	...	...	...	...	...	—	1
Baxter Road	...	...	...	...	...	—	—
Beaconsfield Road	...	...	...	...	...	2	3
Beale Street	...	...	...	...	...	1	3
Beatrice Street	...	...	...	...	...	2	3
Beauchamp Road	...	...	...	...	...	—	1
Beaufoy Road	...	...	...	...	...	—	6

STREETS.					Deaths from Infectious Disease.	Deaths from all other causes.
Beaumont Road ...	...	...	...	...	3	7
Beck Road ...	...	...	...	...	1	7
Beckton Road ...	...	...	...	...	3	10
Bective Road ...	...	...	...	...	1	3
Beddingfield Street ...	...	...	...	...	1	1
Beechwood Road ...	...	...	...	...	—	—
Beechy Place ...	...	...	...	...	1	2
Belton Road ...	...	...	...	...	—	3
Bengeo Street ...	...	...	...	...	4	6
Berwick Road ...	...	...	...	...	—	1
Betts Road ...	...	...	...	...	—	2
Bidder Street ...	...	...	...	...	5	22
Biggerstaff Road ...	...	...	...	...	4	10
Bignold Road ...	...	...	...	...	1	2
Bishop Road ...	...	...	...	...	—	—
Blanche Street ...	...	...	...	...	—	3
Blythe Road ...	...	...	...	...	2	16
Boleyn Road ...	...	...	...	...	1	15
Bolton Road ...	...	...	...	...	—	4
Bond Street ...	...	...	...	...	—	1
Boulton Road ...	...	...	...	...	2	4
Boundary Road ...	...	...	...	...	—	—
Bow Street ...	...	...	...	...	—	3
Boxley Road ...	...	...	...	...	—	—
Boyd Road ...	...	...	...	...	—	5
Bradfield Road ...	...	...	...	...	—	1
Bradley Street ...	...	...	...	...	1	4
Braemar Road ...	...	...	...	...	3	8
Bridge Road ...	...	...	...	...	—	4
Bridge Terrace ...	...	...	...	...	—	—
Brighton Road ...	...	...	...	...	1	3
Bristol Road ...	...	...	...	...	—	—
Broad Street ...	...	...	...	...	—	11
Broadway, Stratford ...	...	...	...	...	1	4
Broadway Court... ..	...	...	...	...	—	—
Broadway, Plaistow ...	...	...	...	...	1	3
Brook's Road ...	..	...	...	...	1	4
Brownlow Road ...	...	...	...	...	—	4

STREETS.	Deaths from Infectious Disease.	Deaths from all other causes.
Brown's Road	1	5
Brunel Street	3	11
Bryant Street	—	2
Brydges Road	—	—
Buckingham Road	1	3
Burford Road	—	4
Burgess Road	—	2
Burke Street	—	8
Burleigh Road	1	—
Burnham Street	2	8
Burrard Road	4	5
Burton's Court	—	1
Bushey Road	—	1
Buxton Road	1	6
Caistor Park Road	4	7
Campbell Road, Forest Gate	—	—
Campbell Road, Silvertown	—	—
Canning Road	—	—
Capel Road	—	11
Carlton Street	—	4
Carnarvon Road	2	6
Carpenters' Road	2	18
Carter Street	—	—
Castle Street	—	2
Catherine Street	3	12
Cave Road	2	1
Cecil Road	—	8
Cedars Road	2	5
Cemetery Road	—	5
Chadd Street	1	—
Chandos Road	2	13
Channelsea Road, High Street }	—	5
Channelsea Road, Burford Road }		
Channelsea Street	—	—
Channelsea Court	—	—

STREETS.	Deaths from Infectious Disease.	Deaths from all other causes.
Chant Square	—	1
Chant Street	—	5
Chantler Road	4	3
Chapel Street, Stratford	2	7
Chapel Street, Forest Gate	—	—
Chapel Street, Tidal Basin	1	—
Chaplin Road	—	1
Chapman Road	1	1
Chargeable Lane	1	2
Chargeable Street	2	7
Charles Street, Plaistow... ..	2	1
Charles Street, Silvertown	—	2
Charlotte Street, Canning Town	2	7
Charlotte Street, Old Canning Town	1	3
Charlton Road	—	3
Chatsworth Road	3	10
Chaucer Road	2	5
Chesnut Avenue... ..	—	6
Chesnut Grove	—	3
Chestnut Road	—	—
Chesterton Road	2	5
Chesterton Terrace	—	6
Chobham Road	2	11
Church Street, West Ham	1	6
Church Street, Plaistow	—	4
Church Street, Barking Road	2	3
Church Street Buildings	—	3
City Mills	—	2
Clare Road	1	1
Claremont Road	—	2
Clarence Road	5	12
Clarkson Street	4	11
Claughton Road... ..	1	1
Clever Road	1	13
Clifford Road	6	3
Clifton Road	5	17
Clova Road	—	6
Clyde Road	3	4

STREETS.	Deaths from Infectious Disease.	Deaths from all other causes.
Cobbold Road	1	2
Colegrave Road	2	18
Columbia Road	1	1
Compton Road	—	—
Connaught Road	—	2
Constance Street, Plaistow	—	3
Constance Street, Silvertown	5	8
Coolfyn Road	1	4
Cook's Road	1	—
Cooper Street	—	7
Corner Street	—	—
Cranbrook Road... ..	2	3
Cranmer Road	1	1
Crawford Street... ..	—	—
Credon Road	2	2
Creek Street	—	—
Crescent Road	—	1
Crosby Road	—	2
Cross Street, Stratford	—	—
Cross Street, Plaistow	—	1
Crown Street	2	3
Crownfield Road	—	1
Croydon Road	7	14
Cruikshank Road	—	5
Cullum Street	—	16
Cundy Road	3	19
Curtis Road	—	—
Custom Street	1	3
Dacre Road	—	3
Dale Road	5	14
Dames Road	—	12
Dartmouth Road	1	3
David Street	1	5
Davis Street	—	2
Dean Street	—	3

STREETS.	Deaths from Infectious Disease.	Deaths from all other causes.
Dean's Court	—	—
Deanery Road	1	2
Deason Street	—	—
Denmark Street	2	11
Devon Terrace	—	—
Devonshire Road, Forest Gate	—	2
Devonshire Road, Custom House	4	6
Dirleton Road	2	5
Dirleton Place	—	—
Disraeli Road	1	3
Dock Road	1	—
Dongola Road	5	9
Doris Road	—	—
Drew Road	1	2
Dunbar Road	—	2
Dunmow Road	2	6
Durham Road	2	3
Earl Street	—	1
Earlham Grove	3	10
East Road	—	1
East Street	1	10
Eastbourne Road	—	2
Eastern Road, West Ham Lane	—	—
Eastern Road, Plaistow	—	4
Eastwood Road	2	13
Edith Road	1	3
Edward Street, Canning Town	} 2	19
Edward Street, Barking Road		
Edwin Street	2	2
Eldon Road	—	1
Eleanor Road	—	1
Ellesmere Road	—	—
Elm Road	—	—
Elmhurst Road	—	6
Elphick Street	—	5

STREETS.	Deaths from Infectious Disease.	Deaths from all other causes.
Emily Street	2	8
Emma Road	1	2
Emma Street	2	4
Ernest Road, Forest Gate	—	4
Ernest Road, Plaistow	1	5
Essex Street	1	4
Ethel Road, Barking Road	—	—
Ethel Road, Custom House	—	2
Eve Road	1	4
Evelyn Road	—	3
Evesham Road	1	10
Exwing Road	—	1
F airland Road	2	3
Falkland Road	—	—
Falmouth Street... ..	—	2
Farringford Road	—	4
Feltham Gardens	—	—
Fenton's Avenue	2	5
Ferndale Road	1	1
Ferns Road	—	1
Field Road	4	16
Firwood Road	—	—
Fisher Street	2	9
Florence Road, Plaistow	1	2
Florence Road, Custom House	2	1
Florence Road, Upton Park	—	—
Florence Street, Plaistow	2	3
Folkestone Road... ..	1	6
Ford Street	—	2
Ford's Market	1	2
Ford's Park Road	2	10
Forest Lane	1	8
Forest Road	2	1
Forest Side	—	1
Forest Street	—	3

STREETS.	Deaths from Infectious Disease.	Deaths from all other causes.
Forty Acre Lane	2	16
Foster Road	—	—
Fowler Road	—	—
Fox Street	4	4
Francis Street, Stratford	—	6
Francis Street, Canning Town	2	13
Frank Street	1	5
Frederick Road	—	5
Frederick Street... ..	—	—
Freemason Road	—	6
Freemantle Road	—	—
Fulton Street	—	9
G arfield Road	3	2
Garvery Road	4	6
Geere Road	—	11
George Street, Plaistow... ..	—	1
George Street, Canning Town	—	7
George Street, Silvertown	—	5
Gibbins Road	2	10
Gift Lane	—	3
Gilbert Street	—	1
Gipsy Lane	1	5
Gladstone Road	—	2
Glenparke Road... ..	—	10
Glenavon Road	2	3
Globe Road	—	1
Globe Crescent	—	—
Godfrey Street	—	2
Godsell Road	—	—
Godwin Road	1	6
Gordon Street	—	4
Gough Road	—	3
Gower Road	2	3
Grace Road	1	3
Grafton Road North	3	2

STREETS.						Deaths from Infectious Disease.	Deaths from all other causes.
Grafton Road South	...	...	...	...	...	1	1
Graham Road	...	...	...	...	...	—	—
Grange Road	...	...	...	...	...	11	37
Granville Road	...	...	...	...	...	2	2
Gray Street	...	...	...	...	...	3	3
Great Eastern Road	...	...	...	...	...	2	6
Green Street	...	...	...	...	...	1	6
Greengate Street	...	...	...	...	...	1	1
Greenville Street	...	...	...	...	...	—	2
Gregory Road	...	...	...	...	...	1	4
Grove Crescent Road	...	...	...	...	...	—	1
Gurney Road	...	...	...	...	...	1	5
H ack Road	...	...	...	...	...	2	3
Haig Road	...	...	...	...	...	—	1
Hallesville Road	...	...	...	...	...	—	4
Ham Road	...	...	...	...	...	—	—
Ham Park Road...	...	...	...	...	...	3	5
Hamfrith Road	...	...	...	...	...	—	1
Hampton Road	...	...	...	...	...	—	4
Harmer Place	...	...	...	...	...	—	—
Harold Road	...	...	...	...	...	—	8
Harold Road, Silvertown	...	...	...	...	...	—	—
Hartington Road	...	...	...	...	...	1	8
Hartland Road	...	...	...	...	...	—	8
Hastings Road	...	...	...	...	...	2	2
Hazelmere Road...	...	...	...	...	...	—	4
Hearn Street	...	...	...	...	...	—	3
Heaton Place	...	...	...	...	...	—	—
Helena Road	...	...	...	...	...	3	4
Hemsworth Street	...	...	...	...	...	3	18
Henniker Road	...	...	...	...	...	1	7
Herbert Street	...	...	...	...	...	2	3
Hermit Road	...	...	...	...	...	4	12
Heyworth Road	...	...	...	...	...	2	3
High Street, Stratford	...	...	...	...	...	7	23

STREETS.	Deaths from Infectious Disease.	Deaths from all other causes.
High Street, Plaistow	2	6
Hill Street	1	4
Holbrook Road	—	1
Hollybush Street	2	5
Holness Road	2	5
Holtturn Place	—	—
Hooper Road	3	19
Horace Road	—	1
Hospital, West Ham	5	48
Hospital, Plaistow	25	—
Hospital Ships, M.A.B.	—	—
Hospital, St. Mary's	13	34
Hospital, Seamen's	1	41
Hotham Street	2	9
Howard's Road, Stratford	—	3
Howard's Road, Plaistow	20	29
Hoy Street	3	9
Hubbard Street	1	1
Hudson Road	1	2
Hugham Road	1	—
Huntingdon Street	—	—
 Idmiston Road	 —	 4
Ingal Road	1	8
Ingestre Road	—	3
Invicta Road	—	1
Ismailia Road	—	—
Industrial School	—	—
 James Place	 —	 —
James Street	—	2
Janson Road	2	2
Jedburgh Road	2	1
John Street, Plaistow	—	2

STREETS.	Deaths from Infectious Disease.	Deaths from all other causes.
John Street, Canning Town — 1 Junction Road, Forest Gate — — Junction Road, Plaistow — 1 Junction Street, Canning Town — 3 Jupp Road 2 1		
K atherine Street — 7 Kelland Road 1 4 Kennard Road — — Kent Street 4 7 Keogh Road 1 7 Khartoum Road 1 3 Khedive Road 1 10 King Street, Stratford — 3 King Street, Plaistow 2 5 King Street, Custom House 2 2 Kingsland Road — — Kingsley Road — 1 Knight's Road 3 1 Knox Road 4 —		
L adywell Street — — Ladywell Place — — Laindon Avenue — 1 Lambert Road — 2 Lancaster Road — 1 Langthorne Street 1 10 Lansdown Road 4 7 Latimer Road 2 3 Lavender Street — 2 Lawrence Street 3 8 Lea Street, Stratford — 5 Leabon Street — 2 Lee Street — —		

STREETS.	Deaths from Infectious Disease.	Deaths from all other causes.
Leonard Road, Forest Gate	—	5
Leonard Road, Silvertown	1	—
Leslie Road	1	1
Lett Road	3	5
Leyes Road	5	9
Leyton Road	5	23
Leytonstone Road	—	5
Libra Road	1	4
Liddington Road	1	5
Liddon Road	—	4
Lincoln Road	—	—
Liston Street	—	1
Liverpool Road	3	21
Liverpool Terrace	—	—
Livingstone Road	3	15
London Road	2	7
Lorne Road	—	2
Louise Road	—	5
Lovatt Road	—	—
Lower Road	5	3
Lucas Road	2	5
Lucas Avenue, Upton Park	—	—
Luton Road	3	3
M aiden Road	—	2
Major Road	3	13
Malmesbury Road	2	14
Malmesbury Terrace	3	6
Manbey Grove	—	5
Manbey Park	—	—
Manbey Road	—	1
Manbey Street	—	4
Manor Road	2	4
Marcus Street	4	11
Margery Park Road	3	5
Mark Street	—	7

STREETS.	Deaths from Infectious Disease.	Deaths from all other causes.
Marshgate Lane...	2	2
Marten Road ...	5	19
Martha Road ...	—	—
Martin Street ...	4	5
Martindale Road ...	8	16
Maryland Road ...	1	11
Maryland Street...	3	4
Maryland Park ...	1	2
Maryland Square ...	—	3
Mary Street ...	2	10
Mason Street ...	—	1
Mathew's Park Avenue...	—	1
Maud Road ...	1	4
Maud Street ...	2	6
Mayfield Road ...	—	2
May's Buildings...	—	—
McDonald Road...	1	2
Meeson Road ...	2	9
Melford Road ...	—	3
Meredith Street ...	—	3
Merton Road ...	—	—
Merton Street ...	—	—
Middle Road ...	—	—
Milton Road ...	1	2
Milton Street ...	1	—
Montague Street ...	—	1
Montesquieu Street ...	—	4
Morecambe Street ...	—	1
Morgan Street ...	1	3
Mortham Street ...	4	6
Morton Road ...	—	2
Mount Street ...	—	1
Muir Street ...	1	1
Myra Street ...	1	1
Napier Road, Stratford...	—	1
Napier Road, Plaistow ...	3	2

STREETS.	Deaths from Infectious Disease.	Deaths from all other causes.
Nelson Street	1	13
Neville Road	—	10
New Street, Stratford	1	13
New Road, Plaistow	1	2
New Road, Old Canning Town...	3	3
New Barn Street	2	7
New City Road	1	12
New Oriental Road	—	1
New Providence Street	—	6
Newland Road	1	1
Newman Road	1	9
Newman Street, Tidal Basin	—	—
Newton Road, Stratford New Town	—	1
Newton Street, Canning Town...	1	3
Norfolk Street	—	2
North Place	—	—
North Street, Stratford New Town	—	—
North Street, Plaistow	—	—
Northern Road	1	7
North Woolwich Road	1	6
Norwich Road	—	2
Nursery Lane	—	1
O ak Road	1	3
Oakdale Road	—	4
Oakhurst Road	1	5
Odessa Road	2	15
Ohio Road	1	1
Old Street	—	1
Orchard Court	—	2
Ordnance Road	3	11
Oriental Road	1	8
Osborne Road	—	2
Outram Street	—	—

STREETS.	Deaths from Infectious Disease.	Deaths from all other causes.
Pacific Road	—	1
Palmerston Road	—	2
Park Avenue	—	—
Park Grove	—	—
Park Road	1	3
Park Lane	—	—
Park Place	—	—
Parker Street	3	5
Parliament Place	—	—
Paul Street	1	11
Pelly Road	3	3
Percy Road, Forest Gate	—	—
Percy Road, Upton	—	4
Percy Road, Plaistow	3	17
Peterborough Road	—	—
Peter Street	1	5
Peto Street	—	1
Phillip Street, Plaistow	1	2
Phillip Street, Canning Town	1	1
Pigwell Lane	—	4
Pitchford Street	1	6
Pitt Street	—	1
Plaistow Grove	1	7
Plaistow Road, Plaistow	2	9
Plaistow Road, Custom House	—	—
Plaistow Park Road	2	4
Plashet Road	2	9
Pleasant Place	—	—
Plymouth Road	—	—
Pond Road	—	—
Poplar Street	1	10
Portland Road	3	8
Portway	1	8
Pragell Street	1	5
Preston Road	4	6
Primrose Court	—	—
Prince Regent's Lane	3	5
Prince's Road, Tidal Basin	—	—

STREETS.	Deaths from Infectious Disease.	Deaths from all other causes.
Prince of Wales Road	2	5
Prospect Row	—	—
Q uadrant Street... ..	2	7
Queen's Road, Plaistow	8	28
Queen's Road, Canning Town	2	10
Queen Street, Stratford	1	6
Queen Street, Stratford New Town		
R adnor Street	—	2
Randolph Road	4	9
Randall Street	—	—
Ranelagh Road	2	3
Railway Cottages	1	2
Railway Place	1	3
Railway Terrace... ..	2	2
Rathbone Street... ..	3	8
Ravenstone Road	—	—
Raymond Road	2	2
Redriff Road	—	3
Reginald Road	—	—
Rendel Road	6	8
Reynold's Road	1	3
Richard Street	—	—
Richford Road	2	8
Richmond Road... ..	—	—
Richmond Street	—	3
Ridley Road	—	6
Riles' Road	5	1
River Lea	—	5
River Thames	—	5
River Street	1	2
Rivett Street	3	3
Robert's Road	—	3

STREETS.	Deaths from Infectious Disease.	Deaths from all other causes.
Robertson Road	—	—
Rochester Avenue	—	4
Roding Street	—	—
Rokeby Street	3	8
Romford Road	2	16
Roscoe Street	1	7
Rosetta Road	—	—
Rosher Road	3	15
Ross Road	1	1
Royal Road	3	6
Rudolph Road	1	—
Russell Road, Custom House	1	5
Russell Street, Plaistow	—	—
Ruth Street	1	—
S abberton Street	—	1
Salisbury Road, Forest Gate	—	1
Salisbury Road, Custom House	—	—
Salmen Road	1	—
Salway Road	—	7
Salway Place	—	—
Samson Street	—	1
Sandal Street	—	7
Sandford Street	—	3
Sarah Street	2	9
Scott Street	3	15
Seaton Street	1	5
Sebert Road	1	9
Selsdon Road	5	12
Selwyn Road	2	7
Sewell Street	—	1
Shaftesbury Avenue	2	4
Shepherd Street	2	6
Ship Street	—	6
Shipwright Street	2	6
Shirley Road	—	—

STREETS.	Deaths from Infectious Disease.	Deaths from all other causes.
Shirley Street	—	9
Short Road	—	—
Short Street	—	—
Sidney Road, Forest Gate	—	—
Sidney Street, Tidal Basin	—	7
Skelton Road	—	5
Skiers Street	2	5
Smith Street	1	6
Solomon Road	—	—
Sophia Road	2	2
South Street, Stratford	—	—
South Street, Stratford New Town	—	3
Southern Road	1	2
Spray's Buildings	—	—
Sprowston Road	—	—
Stanley Road	5	18
Stanley Street	1	11
Star Lane	10	20
Star Street	2	5
Station Road, Forest Gate	1	3
Station Road, Plaistow	5	3
Station Street, Stratford	—	10
Steele Road	1	6
Stephen's Road	1	10
Stephenson Street	3	11
Stock Street	—	3
Stopford Road	—	3
Store Street	—	—
Stork Road	1	6
Stracey Road	2	4
Stratford Road	3	8
Stratford Street	—	—
Strode Road	—	5
Studley Road	3	5
Stukeley Road	1	—
St. Andrew's Road	—	2
St. George's Avenue	—	—
St. George's Road	—	7

STREETS.					Deaths from Infectious Disease.	Deaths from all other causes.
St. George's Square	...	...	...	...	2	—
St. James' Road	...	...	...	...	1	10
St. John's Road	...	...	...	...	1	6
St. John's Terrace	...	...	...	...	—	—
St. Leonard's Road	...	...	...	...	—	—
St. Luke's Square	...	...	...	...	—	11
St. Mary's Road	...	...	...	...	6	12
St. Thomas' Road	...	...	...	...	3	3
Suffolk Road, Plaistow	...	...	...	...	1	6
Suffolk Street, Forest Gate	...	...	...	...	—	—
Sugar House Lane	...	...	...	...	—	1
Surrey Street	...	...	...	...	1	2
Sussex Street	...	...	...	...	—	2
Sutton Road	...	...	...	...	1	3
Sutton Court Road	...	...	...	...	—	—
Swanscomb Street	...	...	...	...	1	10
Swete Street	...	...	...	...	2	3
Sylvan Road	...	...	...	...	—	—
Tabernacle Avenue	...	...	...	...	—	—
Talbot Road	...	...	...	...	2	4
Tate Road	...	...	...	...	2	8
Tavistock Road	...	...	...	...	—	4
Temple Mill Lane	...	...	...	...	—	8
Tenby Road	...	...	...	...	1	14
Tennyson Road	...	...	...	...	3	16
Terrace Road	...	...	...	...	1	5
The Grove, Stratford	...	...	...	...	1	1
The Grove, West Ham	...	...	...	...	—	1
The Green	...	...	...	...	—	2
Thomas Street	...	...	...	...	—	3
Thorngrove Road	...	...	...	...	—	1
Thornham Grove	...	...	...	...	—	—
Thorpe Road	...	...	...	...	—	—
Tidal Basin Road	...	...	...	...	—	4
Tower Hamlets Road	...	...	...	...	4	11

STREETS.					Deaths from Infectious Disease.	Deaths from all other causes.
Tree-in-Pound Road	...	...	...	...	—	—
Trevelyan Road	...	...	...	...	—	7
Trinity Gardens	...	...	...	...	—	—
Trinity Street	...	...	...	...	3	8
Tucker Street	...	...	...	...	2	12
Tunmarsh Lane	...	...	...	...	1	4
Twyford Road	...	...	...	...	1	1
Tyas Road	...	...	...	...	1	3
Tylney Road	...	...	...	...	1	2
Union Cottages	...	...	...	...	—	—
Union Place	...	...	...	...	—	—
Union Road, Stratford	...	...	...	...	1	5
Union Road, Plaistow	...	...	...	...	4	1
Union Street, Tidal Basin	...	...	...	...	—	4
Union Street, Stratford	...	...	...	...	—	7
Union Street, Stratford Marsh	...	...	...	...	—	—
Upper Road	...	...	...	...	3	4
Upperton Road	...	...	...	...	—	—
Upton Avenue	...	...	...	...	—	1
Upton Lane	...	...	...	...	—	5
Upton Park Road	...	...	...	...	1	8
Valentine Road	...	...	...	...	—	—
Valetta Grove	...	...	...	...	—	4
Vansittart Road	...	...	...	...	—	6
Vaughan Place	...	...	...	...	—	1
Vaughan Road	...	...	...	...	—	2
Vernon Road	...	...	...	...	2	4
Verona Road	...	...	...	...	—	1
Vicarage Cottages	...	...	...	...	—	2
Vicarage Gardens	...	...	...	...	—	1
Vicarage Lane	...	...	...	...	3	7
Vicarage Road	...	...	...	...	1	5

STREETS.					Deaths from Infectious Disease.	Deaths from all other causes.
Victoria Road, Forest Gate	...	...	...	...	—	1
Victoria Road, Plaistow	...	...	...	...	1	4
Victoria Cottages	...	...	...	...	1	—
Victoria Place	...	...	...	...	—	5
Victoria Street	...	...	...	...	1	3
Victoria Dock Road	...	...	...	...	10	27
Village Street	...	...	...	...	—	3
Vincent Street	...	...	...	...	4	15
Vine Road	...	...	...	...	—	—
Waddington Road	...	...	...	...	4	1
Waddington Street	...	...	...	...	1	6
Waghorn Road	...	...	...	...	—	—
Wakelin Road	...	...	...	...	—	—
Walter Street	...	...	...	...	—	3
Walton Road	...	...	...	...	2	5
Ward Road	...	...	...	...	3	2
Warmington Street	...	...	...	...	1	5
Warrington Street	...	...	...	...	—	1
Warton Road	...	...	...	...	—	7
Warwick Road	...	...	...	...	—	4
Water Lane	...	...	...	...	—	3
Waterloo Road	...	...	...	...	—	—
Watson Street	...	...	...	...	1	9
Webb Street	...	...	...	...	1	4
Well Street	...	...	...	...	2	2
Wellington Place	...	...	...	...	2	6
Wellington Road	...	...	...	...	3	3
Wellington Street	...	...	...	...	—	2
West Ham Lane...	...	...	...	...	—	15
West Road, Canning Town	...	...	...	...	2	3
West Road, Plaistow	...	...	...	...	3	5
West Street, Stratford	...	...	...	}	1	8
West Street, Stratford New Town	...	...	...		—	—
Western Road, Plaistow	...	...	...	...	3	9
Western Road, Tidal Basin	...	...	...	...	—	2

STREETS.	Deaths from Infectious Disease.	Deaths from all other causes.
Western Street, Stratford	—	5
Westbury Road	—	4
Westwood Road... ..	—	—
Whalebone Lane	—	1
Wharf Road	—	—
Wharf Street	4	1
White Road	—	—
Whitwell Road	1	13
Whyteville Road	1	4
Widdin Street	—	1
Wightman Street	—	5
Wilberforce Street	—	13
William Street	2	7
Willow Grove	2	3
Wilson Street	1	1
Wilton Street	—	2
Winchester Street	—	5
Windmill Lane	2	4
Windsor Road	—	3
Wingfield Road... ..	3	2
Winkfield Road... ..	—	—
Winton Road	1	2
Wolseley Road	1	3
Wood Street	—	—
Woodford Road... ..	—	3
Woodgrange Road	—	2
Woodstock Street	3	16
Woodward's Gardens	—	—
Worland Road	1	—
Wouldham Street	2	16
Wyatt Road	—	1
Wycliffe Road	—	—
Wythes Road	—	2
Y ork Road	—	—
York Street	1	6
Young Street	2	7

Water Supply.—Extract from monthly reports of Dr. Ed. Frankland: Taking the average amount of organic impurity in a given volume of the Kent Company's water during the nine years ending December, 1876, as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies was as under:—

	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Kent	0·4	0·4	1·1	0·8	0·8	1·2	0·8	1·3	0·9	0·9	0·7
East London (deep well)	1·1	2·3	1·7	2·4	1·8	2·2	2·0	1·5	1·8	2·2	1·6
East London (river supply)	4·4	3·5	3·3	2·9	2·2	1·6	1·8	1·8	2·0	1·9	1·7
Colne Valley	3·3	2·0	2·1	2·7	2·4	2·6	2·7	2·2	1·6	2·3	1·8
New River	3·1	3·4	2·9	2·1	1·4	0·8	1·0	1·1	1·4	1·4	0·7
Grand Junction	5·0	5·6	4·9	3·2	2·3	2·0	2·4	2·2	2·1	2·3	2·4
Southwark	4·7	6·6	5·2	2·6	2·3	2·3	1·9	2·2	2·3	3·3	2·0
Lambeth	5·0	6·8	5·3	3·4	2·6	2·0	2·5	1·9	2·6	2·3	1·5
Chelsea	4·8	3·1	3·7	3·0	2·6	2·1	2·3	2·0	2·1	2·0	1·5
West Middlesex	5·3	4·9	4·5	2·7	2·7	1·8	1·9	2·2	2·0	2·3	2·1
UNFILTERED WATERS.											
Thames, at Hampton	6·8	11·4	7·6	4·2	4·3	3·8	5·4	4·6	4·5	3·9	3·4
New River Cut	4·1	5·7	3·8	3·6	3·1	2·5	2·8	2·7	2·2	1·6	1·5
Lea, at Angel Road	5·3	5·1	5·1	4·2	4·3	4·9	3·7	3·3	4·4	3·5	3·1

The bacterioscopic examination of the raw river waters, before and after storage, and of the supplies delivered by the various companies, yielded, after incubation, the under-mentioned results :—

	NUMBER OF MICROBES PER CUBIC CENTIMETRE.										
	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct	Nov.
RAW AND STORED WATERS.											
River Thames, at Hampton ..	12,200	39,960	50,560	11,560	8,840	10,300	3,020	2,460	3,620	16,700	5,940
„ „ after storage ...	2,540	3,480	580	100	540	840	500	620	660	2,240	296
River Lea, at Angel Road ...	16,320	44,600	64,000	11,000	11,240	14,000	3,720	3,400	4,760	1,820	11,320
„ after storage ...	lost	1,050	16,520	2,860	1,280	2,740	—	1,560	1,460	1,500	3,280
FILTERED RIVER WATERS, AS SUPPLIED.											
New River General Filter—Well	158	181	314	10	24	12	14	4	44	8	40
East London Co.—Well No. 1....	128	96	136	180	96	34	38	52	44	8	238
„ „ „ 2....	274	132	38	92	28	54	22	16	14	10	18

Analysis of the Vital and Mortal Statistics of Thirty-three according to

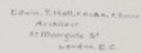
TOWNS.	Estimated Population middle of 1897.	Births.	Deaths.	Annual Rate per 1,000 Living		
				Births.	Deaths.	Principal Zymotic Diseases.
33 Towns ...	10,992,524	336,740	209,412	30.7	19.1	2.87
32 Provincial Towns ...	6,529,355	203,122	128,469	31.2	19.7	3.06
London ...	4,463,169	133,618	80,943	30.0	18.2	2.58
WEST HAM...	273,682	8,779	4,273	32.2	15.7	2.62
Croydon ...	121,171	3,015	1,579	25.0	13.1	1.43
Brighton ...	121,401	2,986	1,823	24.7	15.1	1.64
Portsmouth ...	182,585	4,897	2,951	26.9	16.2	2.53
Plymouth ...	97,658	2,773	1,855	28.5	19.0	2.17
Bristol ...	232,242	6,430	3,984	27.8	17.2	1.83
Cardiff ...	170,063	5,279	2,534	31.1	14.9	2.19
Swansea ...	100,309	2,939	1,583	29.4	15.8	1.36
Wolverhampton ...	87,287	3,054	1,919	35.1	22.5	4.22
Birmingham ...	505,772	16,803	10,889	33.3	21.6	3.88
Norwich ...	110,154	3,354	2,062	30.5	18.8	2.21
Leicester ...	203,599	6,206	3,586	30.6	17.7	3.13
Nottingham ...	232,934	6,717	4,363	28.9	18.8	2.81
Derby ...	103,291	2,792	1,651	27.1	16.0	1.91
Birkenhead ...	111,249	3,507	2,026	31.6	18.3	2.45
Liverpool ...	633,078	22,289	15,384	35.3	24.4	3.83
Bolton ...	121,433	3,942	2,660	32.5	22.0	4.02
Manchester ...	534,299	17,708	12,306	33.2	23.1	3.81
Salford ...	213,190	7,454	5,083	35.1	23.9	5.50
Oldham ...	145,845	3,793	2,789	26.1	19.2	2.61
Burnley ...	106,122	3,151	2,065	29.8	19.5	3.98
Blackburn ...	131,330	3,625	2,554	27.7	19.5	3.45
Preston ...	115,103	3,659	2,796	31.9	24.4	5.64
Huddersfield ...	101,454	2,366	1,659	23.4	16.4	1.50
Halifax ...	95,747	2,150	1,574	22.5	16.5	1.39
Bradford ...	231,260	5,679	4,024	24.6	17.5	2.22
Leeds ...	409,472	12,911	8,118	31.6	19.9	2.80
Sheffield ...	351,848	12,071	7,438	34.4	21.2	3.49
Hull ...	225,045	7,485	4,166	33.3	18.6	3.25
Sunderland ...	142,107	4,905	2,792	34.6	19.7	2.56
Gateshead ...	101,070	3,612	1,842	35.8	18.3	2.33
Newcastle-on-Tyne ...	217,555	6,791	4,141	31.3	19.1	2.09

of the Largest English Towns during the Year 1897, Registrar-General.

Deaths from principal Zymotic Diseases.	Small-pox.	Measles.	Scarlatina.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Deaths of Children under 1 year to 1,000 Births.	Rate per cent. of Uncertified Deaths.
31,479	18	6,049	1,967	3,417	4,453	1,958	13,617	177	1.3
19,954	2	4,120	1,187	1,156	2,611	1,365	9,513	189	1.7
11,525	16	1,929	780	2,261	1,842	593	4,104	159	0.6
714	—	140	30	101	99	48	296	172	2.7
173	—	17	12	8	31	9	96	135	—
198	—	17	12	12	25	22	110	144	0.8
462	—	35	11	28	64	43	181	168	0.4
213	—	49	5	13	53	8	85	185	0.3
425	1	57	18	35	113	47	151	149	0.9
372	—	75	17	90	34	21	135	151	0.9
136	—	45	10	11	42	7	21	140	1.2
367	—	46	21	54	38	24	184	217	0.6
1,958	—	398	93	147	221	92	1,007	214	3.2
243	—	3	11	10	47	32	140	194	1.5
637	—	14	71	73	82	39	358	205	2.4
652	—	48	36	21	113	49	385	206	1.1
197	—	17	10	9	22	26	113	168	—
272	—	55	23	26	32	27	109	164	1.1
2,412	—	340	206	126	351	168	1,221	200	3.4
486	—	215	23	6	41	25	176	186	0.2
2,032	—	629	124	47	300	100	832	195	1.2
1,168	—	473	61	32	112	66	426	219	1.8
378	—	97	20	11	77	20	153	183	0.2
420	—	141	5	60	63	19	132	220	1.5
453	—	146	7	8	82	38	172	206	2.2
648	—	318	5	4	30	35	256	262	3.2
150	—	27	32	20	21	15	35	131	2.8
134	—	48	21	9	9	16	31	140	2.5
510	—	81	9	15	43	31	331	179	1.2
1,140	—	163	94	67	96	80	640	190	0.6
1,222	—	195	90	44	142	110	641	198	2.8
731	1	24	61	32	56	56	501	181	1.6
363	—	63	11	4	77	38	170	165	1.0
234	—	50	17	8	31	20	108	172	0.7
452	—	74	21	25	61	34	217	178	0.9



№ 1



PLAISTOW HOSPITAL

FOR

SCARLET FEVER, ENTERIC FEVER, AND DIPHTHERIA.

ARCHITECT'S REPORT TO THE COUNCIL.

11th August, 1897.

In accordance with the Resolution of the Council, dated 11th May, 1897, appointing me as Architect for the above Hospital, with instructions to prepare a scheme for utilizing the site bounded by Samson Street, Southern Road, Credon Road, and New Road, for a complete Hospital, I have visited the site, examined the existing buildings, conferred with Dr. Sanders, the Council's Medical Officer of Health; Dr. Biernacki, the Medical Superintendent of the existing Hospital; and the Matron, and now have the honour to report:—

1. **The Site.**—The area of the site is slightly over 3 acres 1 rood 21 perches, or, in round figures, $3\frac{1}{2}$ acres. It is fairly flat, thus not presenting any extraordinary physical difficulties to be overcome, and the fact that it is surrounded by roads, renders it suitable, from the point of view of isolation, for a Fever Hospital.
2. **General Scheme.**—I understand my instructions to be to retain the two existing Scarlet-Fever Pavilions, to retain, convert, or demolish the administrative buildings attached to these pavilions, and to demolish the old disused hospital, situated to the East of these buildings.

With reference to **the existing Scarlet-Fever Pavilions**, I would remark :—

- (a) They are within $6\frac{1}{2}$ feet of one boundary, and 11 feet of another.
- (b) They are over 30 feet high above ground, and under 50 feet apart, whereas they should be, according to recent experience, not less apart than twice their height.
- (c) Axially, they are East and West, so that one of the internal side-walls, against which the beds are placed, never gets any sun, whereas, wards running North and South get sun on every internal face of a wall, and, as sunlight is the great purifier, the importance of this is great.

I recommend, without hesitation, the demolition of the existing administrative buildings, on the following grounds :—

- (I) They are insanitary in themselves, the laundry consisting of rooms in the same block as living and sleeping-rooms, etc., steam, and other emanations from foul linen in the laundry, are a source of danger to the staff as well as to the patients in the adjoining wards.
- (II) They are too near to the pavilions, and exclude from the lower wards a great deal of sunlight and fresh air.

In consequence of my observation of these things, I enquired of the Medical Superintendent, and learned, as might have been expected, that patients in this lower ward did not recover as rapidly as in the other wards, and I understand cases of ophthalmia developed. How far these latter arose from the evils noted would be interesting as a subject of medical investigation.

It will be seen, by the block plan, that to the South of each of these two pavilions I propose airing-courts for patients freed from all obstruction.

Before proceeding to a description of the new buildings, a few important observations are necessary. I understand it is suggested by the Medical Officers that accommodation for over 200 patients should be provided for the Borough. I may say, at once, this site is totally inadequate for any such **normal** number. It is considered by many authorities that no hospital should contain more than a maximum of 50 patients per acre, while others hold that 20 per acre should be taken as the standard. Four of the large hospitals of the Metropolitan Asylums Board range from 40 to 47 beds per acre, while the four most recent ones give a much smaller number per acre, but on these, there is a zone of from 80 to 100 between the buildings and the boundaries of the site.

Your present ratio is about 70 per acre, but it must be borne in mind that the surrounding district is not yet fully built on, and, therefore, the surrounding atmosphere is, in a quiescent state, purer than it will ultimately be.

In my judgment, no hard-and-fast rule should be followed. The factor for any particular site should be determined by (a) the isolation of the site, (b) its elevation; in short, by the facilities afforded for the free access of air-currents, to rapidly change the atmosphere of the site. I think that a wide distance between the pavilions is of great moment. This not only insures that no vitiated air from one building should be drawn direct to another, but it lets in sunlight, even when, as in the Winter, the sun is at a low angle.

I have made enquiries, as to the results, in a London hospital having 47 patients per acre, and cannot find that less favourable results obtain there than with hospitals having a lower ratio.

I should also report that the administrative buildings for a larger or smaller hospital are practically the same in number, though not in size. The result would be in your case that the cost **per bed** for a hospital, say for 120 patients, would be about 10 per cent. in excess of that for 179 patients.

Having regard to all the circumstances, I have decided to submit for your consideration a Hospital for **179** patients, which, in my judgment, is the maximum that the site will properly accommodate in a normal way. I do so with all reservation as to the view that may be taken by the Local Government Board.

I may say, however, that **on emergencies**, *i.e.*, in the case of a serious epidemic, I believe the Medical Superintendent could see his way to receive a greater number, certainly **more than 200**.

The scheme now submitted is shown on the **Block Plan**, No. 1.

A careful study of the site decided me to make the **Main Entrance to the Hospital in Samson Street**, on the West of the site, to place all the patients' buildings to the North and East of the entrance, keeping the Staff and Administrative buildings to the South-east.

The inner line on Block Plan marks the limits of a **40-feet zone** next the boundaries, that being the minimum distance required by the Local Government Board between infected buildings and the boundaries of a site

All buildings containing sources of infection are in my plan kept at least 40 feet from one another, from the boundaries, and from every administrative building.

This applies also to that part of the Laundry containing foul linen.

No buildings for patients are more than two storeys, and the **Residences** alone are three storeys. All parallel pavilions are laterally separated by at least twice their height, all having separate airing courts, and in no case does the airing court of one disease touch a building or airing court of another disease. As an exception, should be noted the airing court of the Isolation Pavilion, where more than one disease may be temporarily treated, but that court would only be used under strict supervision.

All new pavilions are approximately placed axially North and South, for reasons already stated.

Sick Members of the Staff.—A reference is desirable to the provision for nursing sick members of the staff. On the one side it is urged that a nurse loses authority, or “caste,” if she occupies the same ward as ordinary patients, and those taking this view press for a separate infirmary for the treatment of the staff.

On the other side it is urged that it brings the wards into disrepute, if sick nurses are treated elsewhere, as a feeling is created among patients and their friends that in the infirmary some superior treatment is given to the staff. In my judgment, the reasonable objections on both sides are met, and a fair compromise is effected, by arranging to treat any sick among the staff in the one or two bed wards in each pavilion, and this is the course I have contemplated in my scheme.

I now come to **detail particulars of the proposed Hospital.**

The following is the accommodation proposed to be provided:—

PATIENTS.

Scarlet Fever.

One New Pavilion to accommodate	...	31 Patients.
“ “ “ “ “	...	27 “
Two existing “ “ “	...	56 “
Total	...	114

Diphtheria.

One New Pavilion to accommodate	...	27 “
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Enteric Fever.

One New Pavilion to accommodate	...	23 “
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Isolation of Doubtful Cases.

One New Pavilion to accommodate	...	15 “
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Total number of Patients provided for		179
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For the adequate care of the sick the following is the required

STAFF.

	Medical Superintendent	...	...	1	
	Assistant Medical Officer	...	...	1	
	Steward	...	...	1	
	Matron...	...	...	1	
	Assistant Matron	...	...	1	
FEMALE SERVANTS	Cook	...	...	1	
	Seamstress	...	...	1	
	Laundress	...	...	1	
	Servants	...	...	34	
					37
MALE SERVANTS	Engineer	...	...	1	
	Gatekeeper at Main Entrance	...	...	1	
	Groom	...	...	1	
	Stable Boy	...	...	1	
	Porters...	...	...	3	
					7
NURSES	Night Superintendent	...	...	1	
	Sisters	...	...	6	
	Nurses	...	...	30	
	Night Nurses	...	...	15	
					52
	Total (Resident)	...	...		101
	Chaplain (Non-resident)	...	...		1
	Gatekeeper for Disinfectory Yard (Non-resident)	...	...		1
	Total Staff	...	...		103

Description of the Hospital.—The disposition of the accommodation is as follows: Entering by a pair of wide iron gates we find on the left

The Gatekeeper's Lodge.

To the North of this is a building forming

The General Offices.

To the right of the gate is

The Waiting and Discharge Block.

Facing the gates, and separated by a wide gravel carriage road, is

The Isolation Pavilion, containing fifteen beds for doubtful cases.

At the North-east end of the gravelled road to the left of the entrance is

The Admission Room for Scarlet Fever. The patient admitted is then passed through a covered way to one of

The four Scarlet-Fever Pavilions. The old pavilions are to the North-west of the Admission Room, the two new ones to the East of them.

These are two-storied, one containing 31 beds, one 27 beds. I do not propose to have any internal communication between the ground and first floor of any pavilion, but to make a staircase between the two pavilions opening out of the covered way, and furnished for a lift for coals, food, trollies, etc.

The Covered Way will be two-storied between the external ends of the two pavilions, and these will afford airing balconies at the south end of the pavilions on to which patients' beds can be wheeled for sun baths.

We now return to the gravelled carriage road.

At the South-east end is placed

The Admission Room for Diphtheria and Enteric Fever.

From this Admission Room, proceeding East through the covered way, we come to

The Diphtheria Ward, for twenty-seven patients.

The Enteric Ward is further East, and has similar accommodation for twenty-three patients.

An External Staircase, situated, as described, on the Scarlet Fever side, leads to the first-floor balcony, giving access to the upper floors of both the Diphtheria and Enteric Pavilions.

To the South-east and South of the infected pavilions are

The General Administrative Buildings.

At the South corner of the site, at the corner of Samson Street and New Road, is

The Home for Nurses and Female Servants.

On the ground floor are separate flats for the Medical Superintendent and the Assistant Medical Officer, the Matron and Under Matron. To the North-east is

The Kitchen Block, having convenient access to the dining room of the Home, and, by means of the covered way, access to all the pavilions.

The Steward's Stores are near to and on the North-east side of the kitchen, and access to this by carts is provided from the main entrance. The Steward's **residence** is over the stores.

Workshops with Residences over for Four Male Servants are to the East of the kitchen conveniently near for food service.

The Laundry is at the Eastern part of the site. Foul linen is brought by trollies over the covered ways or paths from all parts of the Hospital to the receiving yard, in which is a steeping tank.

The Boiler Room it is proposed to place under the laundry ;

The Engine Room being attached above ground.

The Disinfector and Refuse Incinerator are at the South-east of the laundry.

I am instructed that it is intended to use these not only for the Hospital but for the general public. It will be noted that provision is made for this, gates in the yard wall giving entrance from the road.

On the North-east of the yard are placed

The Stable Buildings, with accommodation for four horses and three vans, with two grooms' rooms over. Lastly, we come to the

Mortuary and Dead Viewing Room, on the extreme South-east of the yard next the road. The mortuary provides for six biers. In placing it in this position, I have desired to make it as inconspicuous as possible, and so that hearses may come and go without being visible to patients. I think, too, that the viewing room adjoining keeps mourning visitors away from the general hospital. They can be admitted immediately to view their dead and at once can leave the hospital premises.

It is right to point out the necessity for a man as trustworthy as the gate-keeper to take charge of the yard gates. These are shown to be necessary for the public use of the disinfector, for the ambulance vans, for hearses, coals and materials carts, but there must be rigid control to prevent abuse of "the back way."

The Dispensary is placed in a central position, as open as possible to the air, with a waiting and examination-rooms for staff attached, the latter available as a night-superintendent's room.

It is right to point out that I should much have preferred a larger site to give more space about the general administrative buildings, but the area being fixed, I have endeavoured so to utilize it as to give a maximum of light and air, while, having regard to the fact that so many one-storied buildings exist, there is no crowding of people on a small area.

Covered-ways and Subways.—I have already referred to covered-ways between all parts of the Hospital. These are intended to be open arcades of brickwork, with flat roofs of steel and concrete.

Close balustrades at the sides, about 4 feet high, will form sufficient protection to those using the ways. Beneath the covered-ways, it is proposed to have subways through which water and steam pipes, gas and electric mains, fire-alarms, etc., etc., would be carried, all being accessible at every point.

Having described the scheme generally, I will proceed to **give particulars of the accommodation** in the various buildings.

The Porter's Lodge contains an office, living room, scullery, two bedrooms, a bath room, and w.c., intended for a married man of good class, as one holding a responsible position.

The General Offices.—The building contains a committee-room, waiting and clerk's rooms, office for the Medical Superintendent, and room for Chaplain, w.c., etc.

The Waiting and Discharge Block.—In this, immediately opposite the lodge, is the visitors' waiting-room, with cloak-rooms, containing hospital suits and w.c.'s for men and women. Two ranges of undressing and bath-rooms for diphtheria and scarlet-fever patients are provided, with a dressing-room common to both. At the other end, is a room for ambulance nurses, with lavatory and w.c. attached.

The Isolation Pavilion.—Containing 15 beds.—This consists of two storeys. On **each** is a ward for 4 beds, with sanitary annexe, and one for 2 beds. On the ground floor is a single-bed ward, and on the upper floor two single-bed wards. A nurses' kitchen is so placed on each floor, that it commands views through all the wards. Each ward opens directly into the open air on to a balcony. Out of the balcony on each floor are separate w.c.'s for the several small wards, as well as linen stores, larders and docks for movable baths.

The staircase is similarly open to the air on all sides, and the general entrance is only an open covered-way.

It will thus be seen that separate diseases can be dealt with in the different wards.

Admission Room for Scarlet Fever.—This consists an examination-room, a bath-room, and w.c.

A.—Scarlet-Fever Ward.—Drawing No. 2.—It is proposed to keep the ground floor about 5 feet above the land level, and to form beneath an open basement in which the smoke flues can be swept.

All pipes will be carried in this basement, so as to be readily accessible for repair. They will be protected against frost.

Entering from the covered way by a 6-foot corridor, 22 feet long, lighted at both ends, and on one side, we find to the left a larder, then a room for the ward linen, next a lavatory and w.c. for the nurses' use.

To the right is a **One-bed Ward**, of 160 feet in area, and 2,080 cubic feet capacity, for acute cases, or for the nursing of one of the staff as previously explained. Proceeding onward, the **Ward Kitchen** is next on the left, and the **Sisters' Duty-Room** on the right. From these apartments observation windows control the large and small wards. **The Main Ward** is for 14 beds. It is 70 feet by 26 feet, has a floor space of 156 feet, and a cubic capacity of 2,028 feet per patient. All angles of walls, floors, and ceilings, will be rounded. There are windows at each corner of the room, and between each bed, these are carried close up to the ceiling. Each has a pair of sliding sashes, and above, a fanlight falling inwards.

Cold fresh air will be admitted beneath the windows, under control to suit varying wind pressures, passed over hot-water coils, and distributed into the room so as to change the air three times an hour.

In the centre it is proposed to place a stack with two fire-places, and four ventilating flues. The stacks will be about 3 ft. 6 in. square, with large rounded angles, externally constructed of faience. The flues will be swept from the external basement.

In my judgment, such a central stack is much better for an infectious ward than a stove with horizontal flues, which are harbours for germs, difficult to clean, require manholes in the ward floors, and are inefficient exhaust ventilators. In upper floors, the horizontal flues, if swept externally, need ladders, and they necessitate a floor 2 ft. to 2 ft. 6 in. thick. These stoves are also difficult to light except with the aid of gas jets. Exhaust ventilating flues in external walls are cold and not of great value. In a warmed central stack an upward current is naturally induced.

On one side of the large ward, in a central position, is placed a sanitary tower containing two w.c.'s, a bath-room, with one fixed and one movable bath, and lavatory basins; a nurses' room, with scalding sink, slop sink, and other necessary fittings. This is cut off by a disconnecting enclosed bridge.

At the extreme end a safety exit stairs is provided, which gives access also to the Airing Court.

The First Floor is similar, but I have made a two-bed ward and no sisters' room.

There will be no internal communication between the ground and first-floor of a pavilion.

The Diphtheria and Enteric Wards are similar in general character, but the large wards have each twelve and ten beds respectively, with a floor space of 195 feet per bed, and a cubic capacity of 2,525 feet.

The Home.—Drawing Nos. 3, 4 and 5.

This is H-shaped on plan, and of three storeys. **The Medical Superintendent's** residence, consisting of sitting-room, bed-room, bath-room, w.c., and cupboards, is in the south-west wing in a self-contained flat, with an external door as well as an internal entrance. Adjoining is similar accommodation for the **Assistant Medical Officer**.

N.B.—Should it be desired to have a married Medical Superintendent, the rooms now proposed for the Assistant Medical Officer could be absorbed, forming a suite of five rooms for the Doctor, besides bath-room and w.c.

The Matron's and Assistant Matron's residences are in the North-west wing, and are similar to those for the Doctor and his Assistant, except that a w.c., common to both Matrons, is placed under the stairs.

Next the corridor and at foot of the staircase is an **Office for the Matron**. This is convenient for business visitors, is close to the needle room and linen stores, and **Servants' Sitting and Dining-rooms** in the north-east wing, in fact, central for supervision

Near the two Matrons, but in the central block, are grouped the rooms of the chief servants—cook, seamstress, and laundry maid.

The Needle Room, with Linen Room at each end—one for the patients and one for the home—is on the North-east side of the centre. On the South-west is the **Living-room for the Sisters**, with whom, it is contemplated, the Matron would dine.

In the South-east wing are the **Nurses' Sitting and Dining-rooms**.

On the first and second floors, at the North end, are **Cubicles for Servants**. In the South-west wing on first floor, are the **Bed-rooms for Six Sisters**; the remainder of the South wing and centre are appropriated to the **Nurses' Bed-rooms**, those for night nurses, being on the second floor, shut off for quietude.

As the space in the grounds about the Home available to the staff for fresh air and recreation is limited, it is proposed to put **flat roofs** over the north and south blocks, one for use by the nurses, the other by the servants; fresh air and extensive views will be obtained from these roofs.

On each upper floor is placed a linen and a box room, while the roof of the centre block, entered from the flat roof, is available for additional storage.

The **W.C., Bath-rooms** and Lavatories are all **in separate towers**, connected with the main block by means of bridges with windows on both sides.

The Kitchen Block comprises a receiving room for goods, with bread and vegetable store right and left, a large kitchen and scullery, and, close by, larders for fish, raw meat, cooked meat, and milk, the last with room for scalding cans attached.

The Steward's Stores consist of a lower floor (semi-basement), and a floor on the level of the covered way. In these stores accommodation for all the necessary goods will be found.

Above the stores is a **Residence for a Married Steward**, containing six rooms, scullery, bath-room, and w.c.

The Workshops comprise three rooms: one for the engineer and his stores, one for painter, the other for carpenter, for the mending of furniture, &c.

Above is the **Male Servants' Residence**, comprising living and serving rooms, scullery, and, in a third storey, four bed-rooms, bath-room, lavatory, and w.c.

The Laundry is one-storied, containing receiving room, steam washhouse, drying room, finishing room and delivery room. The steam plant will consist of two washing machines, a hydro-extractor, two ironing machines, and a shirt-dresser. The closets will be fitted with hot-air apparatus, by which quick drying and great freshness are secured.

The site does not admit of a separate laundry for the staff, except by placing it above the patients' laundry, in which case less accommodation on each floor would do.

The Boiler House would contain three boilers for heating the Hospital, driving laundry machinery, &c.—two for general use, one as a stand-by.

The Engine House will contain the laundry engine, and is large enough for an electric plant, should the Council think it desirable to set one up.

Of the other buildings I need not here give detailed particulars. These are sufficiently indicated in the general description.

General Observations.—In planning the various buildings, I have been careful to avoid any dark corners, and to provide cross ventilation in all, whether for patients or staff. To this cross ventilation, the greatest importance is attached. It means ready change of air, which is the secret of a sanitary building.

Lighting.—I recommend that the lighting throughout be by electricity. It is hardly necessary for me to recount the sanitary advantages of this, in addition to the saving of paint, etc., owing to the great cleanliness of the light.

Heating.—It is proposed to heat the various wards by low pressure hot water. To heat this water, live steam will be taken from the boilers to steam-heaters at each separate pavilion.

For ventilation, cheerfulness, and radiant heat, central stoves (before described) are proposed in addition in the large wards.

The “Home” would, so far as corridors, servants’ cubicles, and lavatories are concerned, be similarly heated.

The steam and exhaust pipes, as well as the hot-water pipes, will all be carried in accessible places, and will be coated with non-conducting material. No pipe will be placed in a chase or otherwise covered from view.

The Hot-Water Supplies.—The hot-water supplies to bath, sinks, lavatories, &c., throughout will be on a similar system to the heating.

Telephones.—Between all the different buildings, it will be found a great convenience, and conducive to economy of time and labour, to establish a system of telephones.

Coal Bunkers.—I propose that galvanized-iron coal bunkers should be provided for every block, as movable furniture. They are far more sanitary than any brick-built enclosures.

MATERIALS FOR BUILDING.

The foundations will be of cement concrete. The walls generally will be of stock bricks with “shipper” facings, the quoins and dressings of red brick, with copings of terra-cotta. I recommend that all floors be constructed of steel and concrete, to render them fire-resisting. I think all hospitals, of more than one storey, should be so constructed, and that fire alarms should be fitted throughout.

The inner faces of laundry, mortuary, front of boiler-house, portions of sanitary annexes, kitchen and scullery, to have white glazed facings.

The dados, where there is heavy traffic, should be of salt-glazed bricks.

The walls of pavilions should be finished in Keene’s or Robinson’s cement, painted and varnished.

The floors of wards should be of polished teak. Floors of sanitary towers, corridors, covered ways, and similar surfaces, should be of red Granolithic concrete.

Airing Courts.—These would be laid with tar paving, with surface drains.

Drainage.—This would be so arranged that the drains of infectious buildings should be separated from those of the non-infectious buildings. A system of flushing would be provided, and bath-waste water would be utilized for that purpose.

Enclosing Site.—I suggest that the site be enclosed generally with oak park-fencing. In the front of the low buildings by the entrance, a dwarf wall with railings would be suitable, and the large yard at the East corner should be enclosed by an eight-foot wall.

Estimate of Cost.—I have endeavoured to give every care to the preparation of the estimate, and I believe my figures will be found to be approximately correct.

I am of opinion that the cost of all the buildings, fencing, drainage, roads, paths, laying out grounds, lighting, heating, hot-water supplies, boilers, engine, laundry machinery, &c., &c., complete, will be **£73,260**, as detailed, page 111, and I think it will be found that this compares favourably with the cost of recent London hospitals.

Building by Instalments.—On the question of building the Hospital by instalments, there is no difficulty in doing this, so far as the pavilions are concerned, but it will be realized that it would be unwise and wasteful to build "The Home" in this way.

It is recommended to build the administrative buildings to suit the ultimate requirements. The steward's stores and the men servants' blocks could be postponed, and temporary provision made for their housing in "The Home," until all the pavilions are built.

The stables could also be built at any time. The laundry ought to be built at the outset.

Of course, it would be better if the Council saw their way to complete the Hospital at once. They would then be equipped for any emergency, they would be able to get a lower price for the whole, than if it were done piecemeal, and the result would be in every way more satisfactory.

Building is not likely to decrease in cost, but rather to increase, so that delay is not financially desirable.

Of the advantages to the community of erecting such a Hospital for the isolation of infected sick, it may be of interest to quote from statistics, prepared only last month by the Metropolitan Asylums Board, showing the death-rates in London per 1,000 in 1870 (before the advent of the isolation hospitals) and those in 1896.

From these it appears that the death-rate per 1,000 from scarlet fever in 1871 was 0·58, and in 1896, 0·21, or a reduction of **over one-third**; enteric fever in 1871, 0·27, and 1896, 0·13, or a reduction of **one-half**.

Previous to 1887, it is estimated that only 10 per cent. of the total scarlet-fever sick were admitted to the Board's Hospitals, whereas in 1896 the percentage had risen to 62·65, and in May and June of 1897 this had increased to 73·01.

When it is borne in mind that every case admitted into Hospital, is the removal of a centre of infection from the homes of the people, it will be more fully realized what a boon is conferred, what money is saved, and what an economy of life is effected by the erection of a properly-designed infectious Hospital. That the Council are fully convinced of these truths, is evident by the course they are taking, and I trust that in this report I have laid before them sufficient information to enable them to bring their convictions to practical fruition.

EDWIN T. HALL,

F.R.I.B.A., F.San I.

57, MOORGATE STREET,

LONDON, E.C.

PLAISTOW HOSPITAL.—Approximate Estimate.

	£
Administrative Offices, Gate Lodge, Waiting and Discharge Blocks	2,156
Insolation Pavilion	3,409
Two Admission Blocks	390
Two Scarlet-Fever Pavilions	9,327
One Diphtheria do.	5,226
One Enteric do.	4,635
"The Home" Residence of Medical Officers, Matrons, Sisters, Nurses and Servants; Kitchen Block, Hospital Larders, Kitchen Fittings, &c., complete... ..	14,096
Stewards' Stores and Residence	1,511
Laundry and Machinery, Boiler House and Boilers; Furnace Shaft; Engine House and Engines; Disinfector House and Disinfector; Incinerator; Workshops and Men's Residences ...	10,186
Stabling, Van Sheds, &c.... ..	464
Mortuary	185
Dispensary... ..	256
Covered-ways, Subways, Main Staircase and Lifts	6,615
Electric Installation for Lighting ...	2,294
Heating, Hot and Cold-water Supplies ...	6,968
Fire Appliances, Alarms and Telephones	653
Drainage, Fences and Fence Walls, Gates, Roads, Paths, Paved Yards, Airing Courts, &c.	4,791
Weighing Machine	98
	£73,260

Memorandum of Agreement, made this Fifteenth day of June, One Thousand Eight Hundred and Ninety-Seven, **Between** The Mayor, Aldermen, and Burgesses of the County Borough of West Ham, acting as the Urban Sanitary Authority of the said Borough (hereinafter referred to as "The Corporation") of the one part, and The Urban District Council for the District of acting as the Sanitary Authority of the said District (hereinafter referred to as "The Council") of the other part.

Whereas the Corporation are erecting at Dagenham, in the Rural District of Romford, in the County of Essex, a Hospital for the reception and treatment of Small-pox patients :

And whereas the Council, and six other Sanitary Authorities of Districts adjoining or in the neighbourhood of the said Borough, have requested the Corporation to extend and enlarge the said Hospital now in course of construction, so as to accommodate and receive the Small-pox cases arising in the District of the Council, and in the said adjoining Districts, and thereby to avoid the necessity and expense of providing and maintaining separate Hospitals :

And whereas the Corporation have consented, subject to the sanction of the Local Government Board being obtained to their borrowing the sums necessary to carry out the required enlargement of their Hospital, and are willing to receive therein cases of Small-pox arising in the District of the Council, for the consideration and upon the terms and conditions hereinafter appearing :

Now, therefore, it is agreed by and between the parties hereto as follows, that is to say :—

- (1) **When**, and so soon as this Agreement and others of the same tenour made with the above-mentioned six

Sanitary Authorities shall have been duly executed, the Corporation will take all necessary steps to obtain the consent and approval of the Local Government Board to the increased expenditure occasioned by the enlargement of the said Dagenham Hospital, and upon such approval having been obtained, will proceed to extend and enlarge the said Hospital so that it will be capable of accommodating permanently forty-four patients, and be provided with a moveable iron and wood ward for twelve patients in addition, to meet any temporary pressure or demand. The Corporation will also, if and when it becomes necessary, provide further accommodation at the said Hospital to meet any temporary pressure or demand that may arise at any time during the pendency of this Agreement.

- (2) **The** Corporation will, during the pendency of this Agreement, admit into Dagenham Hospital all cases of Small-pox arising in the District of the Council, and notified to the Medical Officer of Health of the Corporation (on forms to be supplied by the Corporation), and sent to the Hospital by order of the Council, or of the Medical Officer of the Council, or of a Justice under the provisions of Section 124 of the Public Health Act, 1875, with the consent required by that Section, and the Corporation will provide for the treatment and maintenance of the patients coming from the District of the Council in all respects on an equality with those admitted into the Hospital from the Borough or the other Districts above referred to.
- (3) **The** Council will, in consideration of the agreed enlargement of Dagenham Hospital, and the reception, treatment, and maintenance of patients coming from their District, as above mentioned, make to the Corporation the following payments (*a*) of the annual sum of one pound for every thousand of the estimated

population of the District of the Council, which said annual sum shall be fixed according to the current estimate of the Registrar-General, on the first day of January in each year; and, (b) of the sum of two guineas for every patient admitted from the District of the Council for every week, or part of a week, during which said patient shall remain in Dagenham Hospital, and the Corporation shall accept the said payments in full satisfaction and discharge of their claim against the Council in respect of the provision and maintenance of the enlarged Hospital, and in respect of the cost of the maintenance, treatment, and care of patients admitted from the Council's District, but the said sums shall not be deemed to include the reasonable charges of the Corporation in respect of the conveyance of patients to or from the Hospital (should the Corporation, at any time, undertake such conveyance), the provision of suitable clothing for them, or their funerals, or burials, or the obtaining of any Magistrate's order which may be necessary in connection with such burial, all of which expenses shall be repaid to the Corporation by the Council, in addition to the above payments.

- (4) **The** Corporation will, within twenty-one days after the thirtieth day of June and the thirty-first day of December in each year, transmit to the Clerk of the Council an account shewing, in respect of the patients received into the Hospital for the District of the Council:—

- (a) The name of the patient;
- (b) The number of weeks (parts of weeks being taken as full weeks) during such half-year each patient has remained in the Hospital;
- (c) The expenses (if any) incurred by the Corporation under the concluding paragraph of Clause 3 hereof; and

- (d) The amount accordingly due from the Council, and the Council will, within one month of the receipt of this account, duly satisfy and discharge the same by payment to the Corporation.
- (5) **This** Agreement shall not be construed as conferring upon the Council or their Medical Officer of Health, or any nominee or agent of the Council, any authority or voice in the management or administration of the Hospital, or in the appropriation or expenditure of any moneys paid by the Council, or in the method of treatment or maintenance of any patient admitted from the Council's District, but in all respects the Hospital and the distribution of the funds provided therefor shall be under the sole control and government of the Corporation and their Medical Officer of Health, agents, and servants, without any interference on the part of the Council.
- (6) **This** Agreement is made subject to the execution by the said six other Sanitary Authorities of Agreements embodying the like provisions, and shall remain in force for a period of seven years from the date of the receipt by the Corporation of the consent of the Local Government Board to the proposed expenditure.

In Witness whereof "The Corporation" and "The Council" have caused their respective Seals to be hereto affixed.

The Seal of the Urban District Council }
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hereunto affixed in the presence of }

Chairman.

Clerk.

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