

The annual report on vital and sanitary statistics, 1893.

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Verdon, H. Walter.

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TO THE VESTRY OF THE
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PARISH OF LAMBETH
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THE
THIRTY-SIXTH ANNUAL REPORT
ANNUAL REPORT

ON
Vital and Sanitary Statistics, 1893,

BY
H. WALTER VERDON, M.D., F.R.C.S.,

*Medical Officer of Health, Barrister-at-Law, Member of the
Honourable Society of the Middle Temple.*



TO THE VESTRY OF THE
PARISH OF LAMBETH,
1893.

THIRTY-SIXTH ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH,

*Being a Report for the Year 1893 on the Vital and Sanitary
Statistics of the Parish of Lambeth.*

IN pursuance of the provisions of the Metropolis Local Management Act, 25 and 26 Vict., Cap. 102, Sec. 43, I herewith lay before your Vestry a Report for the year 1893, upon the Vital and Sanitary Statistics of the Parish of Lambeth.

The population of the Parish of Lambeth, estimated in the month of June, 1893, is represented by 279,924 persons. The calculation is based on the ratio of increase observed in the period of ten years intervening between the last census and the preceding one. The annual increment thus determined is 0·85 per cent. Comparing this estimate with the result of a calculation based on the number of inhabited houses, there is no material difference in the figures.

The growth, it will be observed, took place in the southern quarter of the Parish, and is limited to the four Outer sub-districts. On the other hand, the Inner sub-districts remained stationary in numbers, or recorded a decline. As no increase between 1881 and 1891 appears on the census returns in the populations of the Waterloo Road sub-districts, or even in those of Lambeth Church, no increase can be admitted in the estimates of the present year. The figures of 1893 must remain as they were in 1891.

The following table represents the approximate populations of the registration sub-districts :—

INNER SUB-DISTRICTS—	1881	1891	1893
Waterloo Road, 1st	15191	14031	14031
Waterloo Road, 2nd	16351	14644	14644
Lambeth Church, 1st	19876	18023	18024
Lambeth Church, 2nd	39859	39147	39147
OUTER SUB-DISTRICTS—			
Kennington, 1st	45232	50586	51871
Kennington, 2nd	35332	39708	40729
Brixton	62837	73405	75099
Norwood	19017	25657	26379

Inhabitated houses, populaton, and rated householders distributed in Wards census year 1891 :—

	Inhabited Houses.	Population.	Rated Householders.
North Marsh Ward	2238	20004	3083
South Marsh Ward	2059	17353	2598
Bishop's Ward	2783	25229	3099
Prince's Ward	4579	37279	5209
Vauxhall Ward	6507	46999	7229
Stockwell Ward	6926	44157	7123
Brixton Ward	8291	52531	8557
Norward Ward	5173	31651	5258

Public Institutions of Lambeth.

	Number of Inmates.		
	Male.	Female.	Total.
Royal Infirmary, Waterloo Road	13	23	36
General Lying-in Hospital	8	25	33
St. Thomas's Hospital	211	175	386
Workhouse, Renfrew Road	400	538	938
Workhouse, Princes Road	180	50	230
Workhouse Infirmary, Brook St.	303	309	612
Workhouse Casual Wards	17	5	22
Clapham Maternity Hospital	6	11	17
South Western Asylums Board	81	98	179
Brixton Military Prison	77	—	77
Old Lambeth Schools	137	88	225
New Lambeth Schools	238	160	398

Houses and Tenements.

The houses of Lambeth number 37,680, standing on 3,941 statute acres, averaging for the whole district 9·5 houses per acre. In the most crowded part—that is, in the sub-district of Waterloo 1st—there are thirty houses per acre; whilst in the open neighbourhood of Norwood there are more than two houses per acre, but less than three.

	Statute Acres.	Inhabited Houses.	Uninhabited Houses.	Houses Building.
Waterloo 1st	67	1899	89	0
Waterloo 2nd	100	1890	87	4
Lambeth Church 1st	162	2253	198	9
Lambeth Church 2nd	186	4689	79	12
Kennington 1st	490	6390	239	71
Kennington 2nd	498	5595	170	19
Brixton	1429	9847	740	173
Norwood	1009	2841	274	199
	3941	35404	1876	482

The persons whose families are in the enjoyment of the sole occupation of houses number considerably less than one-half of the population of Lambeth, while 143,724 persons, or more than one-half of the entire population, live in joint occupation in holdings comprising fewer than five rooms. A number amounting to about one-twelfth of the population, or in exact figures 22,674, are the occupants of single-room tenements. 38,395 persons live in tenements of two rooms, 41,959 in tenements of three rooms, while 40,696 persons inhabit four-room tenements in houses jointly occupied by two families or more.

The tenements in Lambeth being holdings of less than five rooms number 40,472. Of these 10,837 are single-room tenements, and 4,305 give residence to a single occupant; 3,412 to two persons, 1,690 to three persons, 887 to four persons, and 543 to five persons and over. There are 11,485 two-roomed tenements; 1,318 of these are occupied by a single person, 3,129 by two persons, 2,463 by three persons, 1,911 by four persons, 1,253 by five persons, and 1,411 by six persons and over.

10,043 are tenements of three rooms; 375 are occupied by a single person, 1,987 by two people, 1,960 by three persons, 1,740 by four persons, 1,501 by five persons, 1,068 by six persons. The four-roomed tenements number 8,127; 134 are occupied by a single person, 873 by two persons, 1,305 by three persons, 1,396 by four persons, 1,309 by five persons, 1,070 by six persons, 854 by seven persons, 615 by eight persons, 301 by nine persons, and 270 by ten persons or more.

Nuisances from Sewers.

In the month of April the Sewers and Sanitary Committee, having taken into its consideration at some length the question of the prevention of nuisances arising from sewers, formulated a scheme dealing with the construction, interception, ventilation, and flushing of sewers. The subject, in the form of a recommendation from the Committee, was further considered by the Vestry at a meeting held on the 20th of the same month, and formally adopted.

REPORT OF THE COMMITTEE APPOINTED TO CONSIDER THE
QUESTION OF SEWER VENTILATION.

The Committee is of opinion that the question of sewer ventilation cannot be considered apart from the much wider subject of the prevention of nuisance arising from sewers.

The Committee recognises the fact that the Metropolitan Board of Works conducted an enquiry extending over many years, with the object of discovering some agent or appliance that should be effective in so altering the constituent elements of sewer gas as to remove the danger to health resulting from its presence in streets and houses. Chemicals for the decomposition, neutralization or absorption of gases had been placed on trays at the inlet, the outlet, and in the channel of sewers. Chlorine generators had been hung in the mains. Draft producers and foul air consumers by an ingenious contrivance had been connected with street lamps. Although the methods tried were numerous, and the experiments exhaustive, the Metropolitan Board of Works had been unable to recommend the adoption of of any of them as of practical value.

The Committee considers it useless to pursue an enquiry into methods which already have been the subjects of experiment conducted by able experts employed by the Board of Works, and with results so unsatisfactory; and it considers that attention should be directed rather to the removal of the cause than to the treatment of the nuisance when it has already arisen.

In examining into the nature of the cause, the following facts were under notice :

- (1) Fermentative changes, leading to decomposition, and the disengagement of gases are the causes of nuisances in connexion with sewers.
- (2) Decomposition is not usually observable in sewage as it enters the sewer, consequently this change may be regarded as taking place in the sewer.
- (3) Fermentative changes in fresh sewage are hastened by its admixture with stale sewage—by stagnation, and by the presence of foul and heated air. They, on

the other hand, are retarded by the admission of fresh air, by the existence of a low temperature, by the addition of water, and by the movements resulting from rapid transit.

The Committee is of opinion that the removal of sewage beyond the confines of the Parish before decomposition is to any large extent established, and therefore before it is in a condition to cause nuisance, is within the scope of a properly directed effort, provided that

- (a) Means be provided for the better cleansing of sewers, so as to secure the removal of all residual matter, including debris and incrustation.
- (b) Means be provided for securing a plentiful supply of fresh air to all parts of the sewer.

In regard to the cleansing of the sewers the Committee is of opinion that a system of flushing should be adopted either by the construction of tanks at the terminals that should be subject to automatic discharge, or by hose. That in new sewers the question of their maintenance in a cleanly condition, free from deposit and incrustation, should especially be taken into consideration at the time of their construction. And it recommends the provision of inspection chambers at suitable places, and the provision of flushing tanks ; it also recommends, having in view the necessity for a plentiful supply of fresh air in the sewers, the provision of ventilation gratings in the roadway placed at short intervals apart, and shafts placed in such positions as may be found expedient, and when permission be obtained from the owners of property.

The Committee further recommend that before its proposals be put into general practice, an experiment be made upon a section of the system confined to one tributary of the main sewer. That this section should be intercepted from the main sewer during the course of the experiments, in order that the results of the experiments be not affected by gases evolved in other parts of the sewer system, and that upon this section the Surveyor be empowered to carry out the recommendations of this report.

THE BIRTH RATE.

The number of births registered in Lambeth during the year 1893 reaches a total of 9222 cases, 4 less than the number registered in 1892.

The number of male children exceeds by 18 that of female. During the year in the entire Metropolitan area 132,975 births are recorded : 67,685 males and 65,290 females.

The table shows the number of births registered in each year for the last ten years :

Year.	No. of Births.	Year.	No. of Births.
1893	... 9222	1888	... 9017
1892	... 9226	1887	.... 9110
1891	... 9097	1886	.... 9074
1890	... 9017	1885	.... 9143
1889	... 8906	1884	.... 9517

The birth rate for Lambeth, calculated for the year 1893 is 32.9 per 1000 inhabitants.

The Metropolitan rate for the same period is 31.0 per 1000.

The number of Births in each District, and a comparison of the number of Births registered in each Quarter.

	District Population.	March.		June.		September.		December.		Total.	Rate per 1000.
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		
Waterloo Road, 1st	14,031	70	67	69	65	65	59	61	57	513	36.6
Waterloo Road, 2nd	14,644	149	116	114	113	127	135	127	127	1008	Lying-in Hospital
Lambeth Church, 1st	18,024	70	86	78	76	74	72	80	74	610	33.9
Lambeth Church, 2nd	39,147	231	200	202	202	213	186	189	209	1632	41.9
Kennington, 1st ...	51,871	222	246	201	231	218	224	194	223	1759	34.4
Kennington, 2nd ...	40,729	130	134	135	129	150	133	129	119	1059	26.2
Brixton ...	75,099	246	277	244	260	270	245	245	215	2002	26.2
Norwood ...	26,379	100	86	66	96	82	63	69	77	639	24.6
		1218	1212	1109	1172	1199	1117	1094	1101		
	179,924	2430		2281		2316		2195		9222	32.9

MARRIAGE RATE.

The number of marriages celebrated in Lambeth shows an increase upon last year of 126. Like the birth rate, the marriage rate had previously fallen year by year. The number of marriages is diminishing, notwithstanding the increase of the population.

Number of marriages in the Metropolis, 36,971.

Year.	No. of Marriages.	Year.	No. of Marriages.
1893	... 2233	1888	... 1985
1892	... 2107	1887	... 2066
1891	... 2140	1886	... 2184
1890	... 2060	1885	... 2275
1889	... 1997	1884	... 2349

Calculated for the year the Marriage rate for Lambeth is 15.9 per 1000.

The Metropolitan rate for the same period being 17.2 per 1000.

DEATH RATE.

Deaths from all causes registered in Lambeth during 1893, and properly belonging thereto, number 5692. In this computation parishioners dying in public Institutions of all characters, and denominations situated outside the boundaries of Lambeth are included. But non-parishioners dying in public Institutions situated within the boundaries are excluded. Calculated for the year the death rate of Lambeth is 20·3 per 1,000. The Metropolitan Rate for the same period being 21·3 per 1,000.

In the Metropolis the registered deaths numbered 91,536; of these 46,853 were males, and 44,683 were females. The death rate in the five great groups of districts is as follows :—

South Districts	...	19·9
West Districts	...	18·7
Central Districts	...	26·6
North Districts	...	20·0
East Districts	...	25·1

TABLE

showing the mortality rate per 1000 in each
Registration Sub-district.

Inner group of Sub-Districts.		Estimated population.	Total mortality.	Mortality rate per 1000.
Waterloo Road, 1st	...	14,031	369	26.2
Waterloo Road, 2nd	..	14,644	383	26.1
Lambeth Church, 1st	...	18,024	441	24.5
Lambeth Church, 2nd	...	39,147	964	24.6
Outer group of Sub-districts.				
Kennington, 1st	...	51,871	1071	20.6
Kennington, 2nd	...	40,729	759	18.5
Brixton	...	75,099	1326	17.6
Norwood	...	26,379	379	14.3
Lambeth	...	279,924	5692	20.3

The death rate for the Inner group of Sub-districts is 25.3 per 1000.

The death rate for the Outer group of Sub-districts is 17.6 per 1000.

TABLE OF **DEATHS** during the Year 1893, classified

REGISTRATION SUB-DISTRICTS ; public institutions being shown as separate localities.	MORTALITY FROM ALL CAUSES, AT SUBJOINED AGES.							MORTALITY			
	At all ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Smallpox.	Scarlatina.	Diphtheria.	
		(b)	(c)	(d)	(e)	(f)	(g)				(h)	(i)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)			
Royal Infirmary (Women and Children)	53	24	22	4	...	3	...	Under 5 5 upwds.	...	...	1
Waterloo Road First	369	105	64	22	15	120	43	Under 5 5 upwds.	1	4	4
General Lying-in Hospital, York Road	19	17	...	...	1	1	...	Under 5 5 upwds.	...	...	...
Waterloo Road Second	383	104	57	15	16	134	57	Under 5 5 upwds.	...	4	8
St. Thomas' Hospital	616	58	118	67	54	272	47	Under 5 5 upwds.	...	1	72
Lambeth Church First... ..	441	119	78	15	14	138	77	Under 5 5 upwds.	1	5	12
Lambeth Workhouse, Princes' Road	1	...	...	...	...	1	...	Under 5 5 upwds.	...	...	...
Lambeth Workhouse, Renfrew Road	62	15	...	...	1	11	35	Under 5 5 upwds.	...	...	...
Lambeth Infirmary	621	38	36	4	15	293	235	Under 5 5 upwds.	...	1	...
Lambeth Church Second	964	235	182	35	32	325	155	Under 5 5 upwds.	...	8	28
Clapham Maternity	6	5	1	...	...	...	...	Under 5 5 upwds.	...	...	...
St. Peter's House	43	...	...	...	...	10	33	Under 5 5 upwds.	...	...	...
Kennington First	1071	296	154	61	39	315	206	Under 5 5 upwds.	1	6	28
Kennington Second	759	138	80	32	28	275	206	Under 5 5 upwds.	1	2	11

according to DISEASES, AGES, and LOCALITIES.

FROM SUBJOINED CAUSES, DISTINGUISHING DEATHS OF CHILDREN UNDER FIVE YEARS OF AGE.																					
4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22			
Membranous Croup.	Typhus.	FEVERS.				Cholera.	Erysipelas.	Measles.	Whooping Cough.	Diarrhoea and Dysentery.	Rheumatic Fever.	Ague.	Phthisis.	Bronchitis, Pneu- monia, & Pleurisy.	Heart Disease.	Injuries.	All Other Diseases.	TOTAL.			
		Enteric or Typhoid.	Continued.	Relapsing.	Puerperal.																
...	11	...	...	1	10	1	1	21	46			
...	1	...	...	...	...	...	5	7			
1	7	13	11	...	...	...	30	2	14	82	169			
1	...	2	...	...	...	...	1	...	1	1	...	...	31	55	24	9	72	200		
...	1	1	15	17			
...	1	...	...	...	1	2			
...	2	4	14	7	...	...	1	36	2	6	77	161			
...	2	1	...	...	1	1	2	...	32	65	20	15	80	222			
...	4	...	...	4	...	...	5	12	6	27	46	176			
...	...	3	...	...	...	...	4	...	...	1	2	1	26	23	51	67	243	440		
...	...	1	...	...	...	...	2	4	24	14	...	...	3	37	1	6	88	197		
...	...	4	...	...	...	2	2	...	1	4	3	...	39	52	25	17	87	244		
...			
...	1	...	...	
...	18	8	...	21	15			
...	47			
...	...	2	...	...	1	...	3	11	2	...	2	...	...	12	...	1	43	74		
...	6	3	85	180	27	5	236	547			
1	...	1	1	1	2	27	27	24	6	104	1	12	174	417			
...	...	2	1	...	4	1	5	1	...	3	7	...	71	144	58	20	223	547			
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South Western Hospital	...	305	6	149	99	21	29	1	Under 5 5 upwds.	...	62	91
Brixton	...	1326	294	127	81	63	423	338	Under 5 5 upwds.	...	4	20
Lambeth Old Workhouse School	...	15	...	11	4	...	...	...	Under 5 5 upwds.	...	...	...
Lambeth New Workhouse School	...	...	...	...	...	...	...	...	Under 5 5 upwds.	...	...	...
Norwood	...	379	79	36	14	18	121	111	Under 5 5 upwds.	...	2	1
									Under 5 5 upwds.	...	2	3
									Under 5 5 upwds.	...	...	...
TOTALS	..	5692	1370	778	275	225	1851	1193	Under 5 5 upwds.	1	35	112
									Under 5 5 upwds.	4	34	60

The subjoined numbers have been taken into

Deaths occurring outside the district among persons belonging thereto ...	338	25	27	32	33	174	47	Under 5 5 upwds.	1 4	3 6	10 5
Deaths occurring within the district among persons not belonging thereto ...	811	70	205	133	59	8	76	Under 5 5 upwds.	... ..	46 24	117 76

...	...	...	...	...	...	...	1	...	...	...	...	...	2	6	1	...	1	6	155
...	...	1	27	150	
4	2	12	25	33	1	...	7	52	6	9	246	421	
...	16	1	...	4	...	6	4	3	8	5	...	104	176	80	20	444	905
...	8	2	1	11	
...	2	1	...	1	4	
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account in judging of the above records of mortality.

...	2	5	3	2	4	...	2	20	52
...	...	4	1	2	...	1	...	1	...	39	17	43	28	135	286
...	...	...	...	...	...	...	1	3	...	8	...	...	6	13	5	16	60	275
...	1	26	...	...	...	...	3	1	...	1	2	1	25	36	58	56	226	536

* Including one death from Membranous Laryngites.

PRINCIPAL ZYMOTIC DISEASES.

Deaths from the principal Zymotic diseases registered in Lambeth and properly belonging thereto number 760. In this computation parishioners dying in public institutions situated outside the boundaries of Lambeth, being chiefly the hospitals of the Asylums Board, are included, while non-parishioners dying in public institutions situated within the boundaries are excluded. Calculated for the year, the Zymotic death rate of Lambeth is 2·7 per 1,000, the Metropolitan rate for the same period being 3·05 per 1,000.

During the year 1893, under the Notification Clauses of the Public Health Act, 4,107 cases of infectious disease have been reported. Of this number 945 were removed to the Hospitals of the Asylums Board, and 3,162 remained under medical treatment at their own homes. In accordance with the resolution of the Vestry, a Sanitary Inspection was made and the drain test applied in every infected house. The infected houses numbered 3,179, two or more cases occasionally occurring under the same roof. The sanitary defects discovered are grouped under two headings; under the first is found a list of such defects as are referable to the condition of traps, fittings, and appliances. The second has special reference to the drains lying underground and to the soil pipes. 1,641 houses are reported as subject to nuisances arising from defects classed under one or both headings. In 658 houses faults in connection with the drains permitted the escape of sewage or sewer gas. But in all, defects were observed in the traps, fittings, and appliances. The existence of Scarlet Fever was notified in 1752 houses, and sanitary defects were discovered in 901. Diphtheria made its appearance in 603 houses, and sanitary defects were discovered in 344. Typhoid Fever caused an examination to be made in 137 houses, and sanitary defects were discovered in 72. Erysipelas invaded 437 houses, and sanitary defects were discovered in 211. Continued Fever was reported as present in 58 houses, and sanitary defects were discovered in 26. Croup appeared in 49 houses, and sanitary defects were discovered in 20. Small Pox infected 79 houses, and sanitary defects were discovered in 12. Diarrhoea having been notified under the designation of Cholera, attracted the attention of the Inspectors to 22 houses, 8 of which were the subjects of sanitary defects.

Three houses were reported as being infected with Typhus, and one house with Asiatic Cholera.

SMALL POX.

During the year 99 cases of Small Pox were certified as occurring in the Parish of Lambeth. 86 cases were removed for treatment to the Hospital and 13 cases remained under treatment at home. Five deaths were reported from this disease.

In the Metropolis 206 deaths occurred.

Sub-Districts.	Estimated Population.	Total No. of Cases Notified	Cases Treated at Home.	Cases removed to Hos- pital.	No. of Deaths.	
					At Home.	In Hospital.
Inner Group of Sub-Districts—						
Waterloo, 1st ...	14,031	13	1	12	...	1
Waterloo, 2nd ...	14,644	7	1	6	...	...
Lambeth Church, 1st	18,024	15	1	14	...	1
Lambeth Church, 2d	39,147	18	1	17	...	1
Outer Groups of Sub-Districts—						
Kennington, 1st ...	51,871	15	4	11	...	1
Kennington, 2nd...	40,729	11	2	9	...	...
Brixton ...	75,099	14	3	11	...	1
Norwood ..	26,379	6	...	6	...	...
Lambeth	279,924	99	13	86	...	5

Calculated for the year the death rate for Small Pox is 0.02 per 1000. The Metropolitan rate for the same period being 0.04 per 1000.

SCARLET FEVER

During the year 69 deaths are reported as having occurred from Scarlet Fever. To this cause during the preceding year 76 deaths were attributed. 2275 cases of attack, however, were reported to the Sanitary Department. 1618 cases remained under treatment at home, and 657 cases were removed to the Hospitals of the Asylums Board.

In the Metropolis 1596 deaths were registered.

Registrars' Districts.	Estimated Population.	Total No. of Cases Notified	Cases treated at Home	Cases removed to Hos- pital.	No. of Deaths.		Rate of Persons notified per 1000 inhabi- tants.
					At Home.	In Hos- pital.	
Inner Group of Sub- Districts							
Waterloo, 1st ...	14,031	149	100	49	5	1	10·6
Waterloo, 2nd ...	14,644	119	73	46	2	3	8·0
Lambeth Church, 1st	18,024	158	86	72	1	7	8·7
Lambeth Church, 2d	39,147	291	204	87	3	8	7·4
Outer Group of Sub- Districts—							
Kennington, 1st ...	51,871	325	223	102	7	7	6·2
Kennington, 2nd ...	40,729	389	305	84	2	2	9·5
Brixton ...	75,099	546	425	121	12	5	7·2
Norwood ...	26,379	298	202	96	1	3	11·3
Lambeth	279,924	2275	1618	657	33	36	8·1

Calculated for the year the Death rate from Scarlet Fever is 0.24 per 1000. The Metropolitan rate for the same period being 0.37 per 1000.

WHOOPING COUGH.

Table showing the number of deaths and distribution in the sub-districts.

In the Metropolis, from this disease, 2,330 deaths were registered.

	Estimated population.	Number of deaths.
Inner group of Sub-Districts.		
Waterloo Road, 1st	14,031	14
Waterloo Road, 2nd	14,644	15
Lambeth Church, 1st	18,024	25
Lambeth Church, 2nd	39,147	27
Outer group of Sub-Districts.		
Kennington, 1st	51,871	25
Kennington, 2nd	40,729	13
Brixton	75,099	28
Norwood	26,379	4
Lambeth	279,924	151

Calculated for the year the death rate from Whooping Cough is 0·53 per 1,000 population. The Metropolitan rate for the same period being 0·54 per 1,000.

MEASLES.

Table showing the number of deaths and distribution in the sub-districts.

In the Metropolis, from this disease, 1661 deaths were registered.

	Estimated population.	Number of deaths.
Inner group of Sub-Districts.		
Waterloo Road, 1st	14,031	7
Waterloo Road, 2nd	14,644	4
Lambeth Church, 1st	18,024	4
Lambeth Church, 2nd	39,147	28
Outer group of Sub-Districts.		
Kennington, 1st	51,871	40
Kennington, 2nd	40,729	12
Brixton	75,099	16
Norwood	26,379	2
Lambeth	279,924	113

Calculated for the year the death rate for Measles is 0·33 per 1,000. The Metropolitan rate for the same period being 0·39 per 1,000.

DIPHTHERIA

Table showing the number of cases, deaths and distribution in the sub-districts.

In the Metropolis, from this disease, 3,265 deaths were registered.

	Estimated Population.	Number of Cases Notified.	Number of Deaths.	Rate of Persons Notified per 1,000 inhabitnts.
Inner Group of Sub-Districts.				
Waterloo Road, 1st	14,031	31	5	2.2
Waterloo Road, 2nd	14,644	39	10	2.5
Lambeth Church, 1st	18,024	68	16	3.7
Lambeth Church, 2nd	39,147	172	32	4.4
Outer Group of Sub-Districts.				
Kennington, 1st	51,871	153	40	2.9
Kennington, 2nd	40,729	116	25	2.8
Brixton	75,099	170	40	2.2
Norwood	26,379	40	4	1.5
Lambeth....		789	172	

Calculated for the year the death rate from Diphtheria is 0.61 per 1,000. The Metropolitan rate for the same period being 0.74 per 1,000.

TYPHOID FEVER.

Table showing the distribution of the disease in the sub-districts.

In the Metropolis, from this disease, 693 deaths were registered.

	Estimated Population.	Number of Cases Notified.	Number of Deaths.	Rate of Persons Notified per 1,000 inhabitnts.
Inner Group of Sub-Districts.				
Waterloo Road, 1st	14,031	18	2	1.3
Waterloo Road, 2nd	14,644	11	—	0.7
Lambeth Church, 1st	18,024	14	5	0.7
Lambeth Church, 2nd	39,147	17	3	0.4
Outer Group of Sub-Districts.				
Kennington, 1st	51,871	26	6	0.5
Kennington, 2nd	40,729	30	3	0.7
Brixton	75,099	39	16	0.5
Norwood....	26,379	5	1	0.1
Lambeth....	279,924	160	36	0.5

Calculated for the year, the death rate from Typhoid Fever is 0.13 per 1,000, the Metropolitan rate for the same period being 0.16 per 1,000.

PUERPERAL FEVER.

Table showing the number of cases, deaths and distribution in the sub-districts.

In the Metropolis, from this disease, 352 deaths were registered.

Sub-Districts.	Estimated Population.	Number of Cases Notified.	Number of Deaths.
Inner Group of Sub-Districts.			
Waterloo Road, 1st...	14,031	...	...
Waterloo Road, 2nd	14,644	2	2
Lambeth Church, 1st	18,024	...	...
Lambeth Church, 2nd	39,147	4	4
Outer Group of Sub-Districts.			
Kennington, 1st	51,871	8	7
Kennington, 2nd	40,729	4	4
Brixton	75,099	6	4
Norwood	26,379	3	1
Lambeth	279,924	27	22

Calculated for the year the death rate from puerperal fever is 0·09 per 1,000. The Metropolitan rate for the same period being 0·08 per 1,000.

ERYSIPELAS.

Table showing the number of cases, deaths, and distribution of the disease in the sub-districts.

In the Metropolis, from this disease, 424 deaths were registered.

Sub-Districts.	Estimated Population.	Number of Cases Notified.	Number of Deaths.	Rate of Persons Notified per 1000 inhabitants.
Inner Group of Sub-Districts.				
Waterloo Road, 1st	14,021	43	1	3.0
Waterloo Road, 2nd	14,644	47	2	3.0
Lambeth Church, 1st	18,024	47	4	2.5
Lambeth Church, 2nd	39,147	105	7	2.6
Outer Group of Sub-Districts.				
Kennington, 1st ...	51,877	90	3	1.7
Kennington, 2nd ...	40,729	78	2	1.9
Brixton	75,099	127	8	1.6
Norwood	26,379	50	2	1.9
Lambeth	279,924	587	29	2.0

Calculating for the year the death rate from Erysipelas is 0.10 per 1000. The Metropolitan rate for the same period being 0.10 per 1000.

DIARRHŒA.

During the year 1893 there was an increase in the number of deaths from Diarrhœa, the number registered being 205, including eight deaths from so-called Cholera, and exclusive of strangers, against 167 in the preceding year.

In the Metropolis 3,446 deaths were caused by Diarrhœa.

The disease in Lambeth for the most part proved fatal in children; 168 of the cases registered are those of children under 5 years of age, and 37 only above that age. July, August, and September were the most fatal months. 139 deaths were registered in those which proved the hottest months of the year.

The following table shows the distribution of deaths in the sub-districts.

Sub-Districts.	Estimated Population.	Number of Deaths.	Diarrhœa Death Rate per 1000 inhabitants.
Inner Group of Sub-Districts.			
Waterloo Road, 1st	14,031	12	0·8
Waterloo Road, 2nd ...	14,644	9	0·6
Lambeth Church, 1st	18,024	20	1·1
Lambeth Church, 2nd ...	39,147	29	0·7
Outer Group of Sub-Districts.			
Kennington, 1st ...	51,871	58	1·1
Kennington, 2nd ...	40,729	14	0·3
Brixton ...	75,099	41	0·5
Norwood ...	26,379	22	0·8
Lambeth ...	279,924	205	0·7

Calculated for the year the death rate from Diarrhœa is 0·73 per 1,000. The Metropolitan rate for the same period being 0·81 per 1,000.

Lambeth rates compared with Metropolitan rates.

	Lambeth per 1000.	Metropolitan per 1000.
Birth Rate	32·9	31·0
Marriage Rate	15·9	17·2
Death Rate	20·3	21·3
Zymotic Death Rate ...	2·7	3·05
Small Pox	0·02	0·04
Measles	0·33	0·39
Scarlet Fever	0·24	0·37
Diphtheria	0·61	0·74
Whooping Cough ...	0·53	0·54
Typhoid Fever	0·13	0·16
Diarrhœa	0·73	0·81
Puerperal Fever... ..	0·09	0·08
Erysipelas	0·10	0·10

Area of Lambeth corresponds to
that of Metropolis as 52 to 1000
Population „ 65 to 1000
Inhabited Houses „ 65 to 1000
Single-room Tenements „ 63 to 1000

Return showing the number of Nuisances removed or abated in the Parish of Lambeth, from the 1st January to the 31st December, 1893.

Number of Cases 8769

Public Health (London) Act.

Notices served	...	...	3488
Small Pox ..	...	...	79
Scarlet Fever	...	...	1752
Typhoid ...	...	...	137
Measles ...	...	...	113
Diphtheria ...	...	...	603
Chicken Pox	...	..	1
Diarrhœa ...	...	...	205
Puerperal Fever	...	...	28
Erysipelas ...	...	...	437
Membraneous Croup ...	...	...	49
Continued Fever	...	...	58
English Cholera	...	...	22
Asiatic Cholera	...	...	1
Typhus ...	...	...	3
			<hr/>
Total	...	...	3488
			<hr/>

Public Health (London) Act, and Metro- polis Local Management Act.

Notices served 5281

WORKS STRUCTURAL :—

Drainage Defective	1503
Intercepting Traps with Fresh Air Inlets required	1013
Ventilating Pipes required	1038
Indoor Sinks connected with the Drain	711
Rain Water Stack Pipes connected with the Drain	812
Traps Defective, or of Obsolete Pattern	1887
Closet Pan and Connections Defective	811
Water Supply to Closet Defective	612
Closet Dilapidated	78
Draw Off from Main for Drinking Purposes required	174
Dust Bins Defective	584
Premises Dilapidated	104
Ventilation under the Floors required	350
Roofs Dilapidated	105
Soil Pipes Defective	16
Paving Defective	352
Damp and Unwholesome Houses	41
Dung Receptacles required	10

WORKS NOT STRUCTURAL :—

Cisterns Dirty	68
Manure Accumulations	72
Underground Rooms occupied	36
Animals improperly kept	36
Stopped Drains	197
Overcrowding	80
Ballast Burning	4
Bodies Removed	3
Foul Urinals... ..	21
Swine improperly kept	2
Refuse Accumulations	63
Burst Water Pipes	43
Dirty Premises	404
Cesspools Abolished	4
Through Ventilation Provided	13

11263

Number of Summonses and Orders issued 107

Housing of the Working Classes Act.

14 Notices were served under the Housing of the Working Classes Act, 1890. Proceedings were taken in 5 cases.

Smoke Inspection.

During the year 1893 constant supervision has been kept with regard to infringements of the provisions of the Public Health Act as to smoke consumption.

65 Notices have been served chiefly upon manufacturers for reported infringements, and it was found necessary to summon offenders in 5 instances, when orders for abatement of the nuisance were obtained from the magistrate; in one case the summons was adjourned *sine die*.

DISINFECTION OF BEDDING, AND BEDDING DESTROYED.

Cases in which Bedding has	{	At Home	...	...	..	343
been disinfected	{	At Chamber	...	...	...	3042
Cases in which Bedding has been destroyed			..	...	...	224
Replaced by the Vestry		...	...	...	...	2
Premises disinfected and disinfectants supplied			..	...	...	5896
Articles of Bedding disinfected :—						
Feather Beds	..	...	...	...	...	697
„ Bolsters	..	...	...	...	...	72
„ Pillows	...	...	...	...	...	1214
Flock Beds	...	...	...	...	..	1683
„ Bolsters	...	..	..	...	...	249
„ Pillows	...	...	...	...	..	983
Mattresses	...	...	...	...	..	1433
Palliasses	...	...	..	..	...	34
Chair Cushions	...	...	...	...	...	982
Clothing	...	...	...	...	...	1644
Blankets	...	...	...	...	...	1328
Rugs	...	..	...	...	...	62
Counterpanes and Eiderdown Quilts	...	...	..	..	...	1118
Carpets	...	...	...	...	...	14
						11,513

Articles of infected Bedding destroyed :—

Feather Beds	...	...	...	...	..	3
„ Bolsters	...	...	...	...	...	7
„ Pillows	...	...	...	...	...	23
Flock Beds	...	...	...	...	...	78
„ Bolsters	...	...	..	...	...	12
„ Pillows	...	...	...	...	...	37
Mattresses	...	...	...	..	..	17
Palliasses	...	...	...	...	..	146
Chair Cushions	...	...	..	...	..	23
Clothing	...	...	..	...	...	27
Sundries	...	...	...	...	...	30 ¹
						674

Sale of Food and Drugs Act.

Samples procured by Inspector Wiggs, together with the result of Analyses, during the year 1893.

Samples.	Number procured.	Number adulterated.
Milk	227	69
Butter	117	41
Mustard	22	1
Pepper	23	1
Coffee	36	4
Tapioca	5	...
Jam	5	...
Rum	3	...
Gin	6	...
Whisky	9	1
Brandy	5	1
Arrowroot	7	...
Syrup	1	...
Cocoa	11	2
Cheese	4	...
Epsom Salts	1	...
Salad Oil	1	...
Lard	2	...
Tartaric Acid	1	...
Cream Tartar	1	...
Bread	3	...
Flour	3	...
Sugar	2	...
Sago	1	...
Rice	1	...
Olive Oil	1	...
	498	120

Summonses issued, 79; Convictions, 79; Cautioned 41.

SUMMONSES UNDER SALE OF FOOD & DRUGS, MARGARINE, PUBLIC HEALTH, AND METROPOLIS LOCAL MANAGEMENT ACTS.

Date.	Name.	Address.	Offence.	Remarks.	Penalty.	Costs.
Jan. 6	J. Stiff & Sons	London Potteries, High Street, Lambeth	Non-compliance with Vestry's Notice to abate nuisance arising from black smoke	Order made for the abatement of nuisance		0 10 0
"	A. M. Grove	291 Camberwell Road	Selling Milk containing 13 per cent. of added water		1 0 0	0 12 6
"	H. Humphries	173 Lambeth Walk	Selling Butter containing 75 per cent. of margarine		0 10 0	0 12 6
"	J. Moon	34 Morval Road	Selling Milk with 40 per cent. of cream abstracted		1 0 0	0 12 6
"	T. Guntrip	26 Somers Road	Selling Milk containing 13 per cent. of added water		1 0 0	0 12 6
" 11	F. Mead	77 Lower Marsh	Selling Butter containing 60 per cent. of margarine		2 0 0	0 12 6
" 12	D. Jenkins	11 Lambeth Walk	Exposing Margarine for sale without being properly la- belled		1 0 0	0 12 6
" 17	- Throssel	200 Brixton Road	Non-compliance with Vestry's Notice to make good defec- tive drains	Order made to do the work in 7 days		0 6 0
" 27	- Stubbs	225 Clapham Road	Selling Cocoa containing added starch and sugar to the extent of 60 per cent.		2 0 0	0 12 6
"	"	"	Selling Coffee containing 60 per cent. of added chicory		2 0 0	0 12 6
"	J. Jones	25 Upper Marsh	Selling Milk containing 37 per cent. of added water		1 0 0	0 12 6
"	- Treves	27 Penton Place	Selling Milk containing 14 per cent. of added water		1 0 0	0 12 6
"	J. Fyfe	Electric Avenue	Non-compliance with Vestry's Notice to abate nuisance arising from black smoke	Order made to abate nuisance		1 4 0
Feb. 16	E. Phillips	26 Dorset Road	Selling Milk containing 13 per cent. of added water		0 10 0	0 12 6
"	J. Williams	188 Thomas Street	Selling Milk containing 20 per cent. of added water		0 10 0	0 12 6
"	"	"	Selling Butter containing 70 per cent. of margarine		0 10 0	0 12 6
Car. forward					14 0 0	10 2 6

Date.	Name.	Address.	Offence.	Remarks.	Penalty.	Costs.
Feb. 17	Owner	41 Chapel Road, West Norwood	Non-compliance with Vestry's Notice to provide proper water supply	Brot. forward Order made to close premises	14 0 0	10 2 6
Mar. 1	S. Ambrose	32 & 34 Robsart Street	Selling Milk containing 16 per cent. of added water		0 10 0	0 12 6
„ 21	Owner	118 Camberwell New Road	Non-compliance with Vestry's Notice to make good defec- tive drains and provide sani- tary dust bin	Order made to do the work in 7 days		
„ 30	A. Edwards	23 Windmill Street, New Cut	Selling Milk with 50 per cent. of cream abstracted		5 0 0	0 12 6
„	W. Tullett	75 Broadwall	Selling Milk containing 10 per cent. of added water		2 0 0	0 12 6
April 7	A. Lander	87 Dorset Road	Selling Milk with 40 per cent. of cream abstracted		2 0 0	0 12 6
„	D. Davies	447 Cold Harbour Lane	Selling Milk containing 14 per cent. of added water		2 0 0	0 12 6

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„ 21	T. Jones	75 Oakley Street	Selling Milk containing 20 per cent. of added water		1 0 0	0 12 6
„	G. Taylor	204 Tulse Hill	Selling Pepper containing 50 per cent. of rice flour		1 0 0	0 12 6
„ 26	McGaw & Co.	York Road	Non-compliance with Vestry's Notice to abate nuisance arising from black smoke	Order made to abate nuisance		1 5 0
„	W. Clowes & Sons	Duke Street, Stam- ford Street	„ „	„		1 5 0
May 11	T. Griffith	11 Cornwall Road	Selling Milk containing 12 per cent. of added water		1 0 0	0 12 6
„ 12	W.H.Chalcraft	Hewshott, Liphook, Hants	Selling Milk containing 18 per cent. of added water		10 0 0	0 13 10
„	„	„	Selling Milk containing 25 per cent. of added water		10 0 0	0 13 10
„	„	„	Selling Milk containing 45 per cent. of added water		20 0 0	0 13 10
„ 26	P. Beale	95 Thomas Street	Selling Milk containing 20 per cent. of added water		1 0 0	0 12 6
„	E. Kidman	223 Camberwell New Road	Selling Butter containing 70 per cent. of margarine		0 5 0	0 12 6
				Car. forward	69 15 0	20 19 0

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Date.	Name.	Address.	Offence.	Remarks.	Penalty.	Costs.
June 30	F. White	234 Clapham Road	Selling Milk containing 13 per cent. of added water	Brot. forward	69 15 0	20 19 0
"	W. Brown	2 South Grove, Bow	Selling Milk having 46 per cent. of cream abstracted		2 0 0	0 12 6
"	W. Holding	49 Willington Road	Selling Milk containing 10 per cent. of added water		5 0 0	0 12 6
"	H. Laws	84 Brandon Road	Selling Milk containing 36 per cent. of cream abstracted		2 0 0	0 12 6
"	Owner	2 & 4 Wickham St.	Non-compliance with Vestry's Notice to cleanse interior and provide proper W.C., &c.	Order made to comply with notice forthwith	2 2 0	0 8 0
"	"	8 Loughboro' Street	Non-compliance with Vestry's Notice	Order made to close premises		0 4 0
July 5	W. Brown	2 South Grove, Bow	Selling Milk with 39 per cent. of cream abstracted		20 0 0	0 12 6
" 7	E. Moore	28 Denmark Hill	Selling Butter containing 80 per cent. of margarine		2 0 0	0 12 6
" 14	W. Goulding	204 Upper Kennington Lane	Selling Butter containing 64 per cent. of margarine		5 0 0	0 12 6
"	H. Doulton & Co.	Lambeth Potteries, High Street, Lambeth	Non-compliance with Vestry's Notice to abate nuisance arising from black smoke	Summons adjourned <i>sine die</i>		
"	E. Taylor	15 Ferndale Road	" "		1 0 0	0 4 0
"	C. Savage	220 Kennington Park Road	Exposing for sale unsound Mackerel		1 0 0	0 4 0
"	"	"	For having on the premises for the purpose of sale unsound Mackerel		2 0 0	0 4 0
Aug. 11	J. Moon	34 Morval Road	Selling Milk having 28 per cent. of cream abstracted		1 0 0	0 12 6
Sep. 21	Munn Bros.	78 Loughboro' Road	Selling Coffee containing 30 per cent. of chicory		1 0 0	0 12 6
"	J. Millor	108a Warner Road	Selling Milk containing 10 per cent. of added water		1 0 0	0 12 6
" 28	W. Jones	57 Auckland Street	Selling Butter containing 90 per cent. of margarine		0 1 0	0 12 6
"	W. Ewbank	10 Clapham Road	Selling Butter containing 80 per cent. of margarine		2 0 0	0 12 6
					Car. forward	118 18 0
						29 13 0

Date.	Name.	Address.	Offence.	Remarks.	Penalty.	Costs.
Sep. 28	T. Lake	37 Tyers Street	Selling Milk containing 33 per cent. of added water	Brot. forward	11 8 18 0	29 13 0
„	Groggan & Sons	50 Brixton Road	Selling Butter containing 50 per cent. of margarine		0 1 0 0	0 12 6
„	E. Beavis	306 Brixton Road	Selling Butter containing 75 per cent. of margarine		1 0 0 0	0 12 6
„	H. Bridger	119 Ferndale Road	Selling Milk containing 19 per cent. of added water		2 0 0 0	0 12 6
Oct. 10	Occupier	53 Somerleyton Road	Want of proper Water Supply	Order made for closing premises	1 0 0 0	0 12 6
„ 11	J. Warren	69 Lower Marsh	Selling Butter containing 85 per cent. of margarine		3 0 0 0	0 12 6
„	W. H. Last	66 „	Selling Butter containing 70 per cent. of margarine		3 0 0 0	0 12 6
„	G. S. Wynter-gen	140 „	Selling Butter containing 75 per cent. of margarine		3 0 0 0	0 12 6
„ 19	D. Vaughn	24 Distin Street	Selling Milk containing 16 per cent. of added water		1 0 0 0	0 12 6

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„	W. Hitchman	266 South Lambeth Road	Selling Milk containing 16 per cent. of added water		5 0 0 0	0 12 6
„ 20	J. King	43 Gurney Street	Non-compliance with Vestry's Notice <i>re</i> Bye-laws L.C.C.		5 0 0 0	0 2 0
Oct. 20	W. H. Weedon	1 Lambeth Walk	Exposing for sale Pork chops unfit for food		2 0 0 0	0 2 0
„	D. Williams	236 Wandsworth Road	Exposing for sale Apples unfit for food		1 0 0 0	0 2 0
„ 25	A. Edwards	23 Windmill Street, New Cut	Selling Milk containing 22 per cent. of added water		7 0 0 0	0 12 6
„ 26	F. C. Dodson	14 South Street	Selling Whiskey diluted to the extent of 29 degrees below legal limit		1 0 0 0	0 12 6
„ 27	H. Quodling	69 Raymouth Road	Removing Fish Offal contrary to Bye-laws of L.C.C.		0 5 0 0	0 2 0
„	H. Quodling	69 Raymouth Road	Removing Fish Offal contrary to Bye-laws of L.C.C.		0 3 0 0	0 2 0
„	W. Muncy	Ceylon Street, Battersea	Removing offensive Bones contrary to Bye-laws of L.C.C.		0 0 0 0	0 2 0
„	M Higgins	17 Abbey Street, Bermondsey	Removing Fish Offal contrary to Bye-laws of L.C.C.		0 5 0 0	0 2 0
Car. forward					154 12 0	37 4 6

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Date.	Name.	Address.	Offence.	Remarks.	Penalty.	Costs.
Nov. 2	P. W. Agate	24 Milkwood Road	Selling Butter containing 80 per cent. of margarine	Brot. forward	154 12 0	37 4 6
"	R. Knight	161 Loughboro' Road	Selling Milk containing 15 per cent. of added water		1 0 0	0 12 6
" 3	G. Knowles	106a Albany Road	Selling Milk containing 28 per cent. of added water		2 0 0	0 12 6
" 3	M. Davis	7 Brondesbury Road, Kilburn	Non-compliance with Vestry's notice		0 5 0	0 10 0
" 8	G. Gotz	128 Landor Road	Exposing for sale unsound Beef		2 0 0	—
" 16	H. Evans	131 Lambeth Walk	Selling Butter containing 88 per cent. of margarine		2 0 0	0 12 6
"	F. W. Brushett	123 "	Selling Butter containing 66 per cent. of margarine		2 0 0	0 12 6
"	W. Clark	66 "	Selling Butter containing 70 per cent. of margarine		2 0 0	0 12 6
"	A. W. Vasteri	55 "	Selling Butter containing 65 per cent. of margarine		2 0 0	0 12 6

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"	A. Clark	179 Lower Kennington Lane	Selling Butter containing 82 per cent. of margarine	Summons dismissed on defendant paying costs	5 0 0	0 12 6
"	W. Dent	297 Kennington Road	Selling Butter containing 77 per cent. of margarine		2 0 0	0 12 6
"	T. Ward	46 Atlantic Road	Selling Butter containing 28 per cent. of margarine	Summons adjourned <i>sine die</i> defendant paying costs		0 12 6
"	D. Greig	58 Atlantic Road	Selling Butter containing 60 per cent. of margarine		2 0 0	0 12 6
" 17	J. Pargeter	142 Clapham Road	Selling Butter containing 88 per cent. of margarine		5 0 0	0 12 6
"	J. Cox	40 Clapham Road	Selling Butter containing 42 per cent. of margarine		0 10 0	0 12 6
"	C. Savage	218 Kennington Park Road	Selling Butter containing 64 per cent. of margarine		3 0 0	0 12 6
"	A. J. Brooke	303 Railton Road	Selling Butter containing 84 per cent. of margarine		5 0 0	0 12 6
Car. forward					187 7 0	47 2 0

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Date.	Name.	Address.	Offence.	Remarks.	Penalty.	Costs.
Nov. 17	H. Perry	Clapham Road	Selling Butter containing 80 per cent. of margarine	Brot. forward	187 7 0	47 2 0
„ 22	E. Coles	122 Lower Marsh	Selling Butter containing 70 per cent. of margarine		5 0 0	0 12 6
„	J. Bush	45 New Cut	Selling Butter containing 80 per cent. of margarine		5 0 0	0 12 6
„ 22	G. J. Guyer	403 & 405 Brixton Road	Selling Butter containing 68 per cent. of margarine		5 0 0	0 12 6
„ 24	W. Summers	75 Atlantic Road	Selling Butter containing 60 per cent. of margarine			0 12 6
„ 28	G. F. Hailey	Re 58 Geneva Road	Non-compliance with Vestry's notice to make good defective drains	Owner ordered to do work		0 2 0
Dec. 1	Muspratt Bros.	86 Landor Road	Selling Butter containing 77 per cent. of margarine		3 0 0	0 12 6
„	C. Parnell	139 „	Selling Butter containing 76 per cent. of margarine		2 0 0	0 12 6
„	T. Coleman	74 „	Selling Butter containing 75 per cent. of margarine		2 0 0	0 12 6
„	J. Jenkins	11 Victoria House	Selling Milk containing 13 per cent. of added water		2 0 0	0 12 6
„	E. Edwards	50a Chryssell Road	Exposing for sale Apples unfit for food		0 10 0	0 2 0
Dec. 15	S. Soole	205 Cold Harbour Lane	Selling Butter containing 65 per cent. of margarine		2 0 0	0 12 6
„	J. Skinner	229 Gipsy Road	Selling Butter containing 65 per cent. of margarine		2 0 0	0 12 6
„	Freeman Horsley & Sons	2 & 4 Denmark Hill	Selling Butter containing 60 per cent. of margarine		0 10 0	0 12 6
„	J. Dimmock	194 Coldharbour Lane	Selling Butter containing 65 per cent. of margarine		2 0 0	0 12 6
„ 21	Newman Bros.	2 Milkwood Road	Selling Butter containing 60 per cent. of margarine		2 0 0	0 12 6
„	C. Wootton	195 Gipsy Road	Refusing to sell an article exposed for sale to the Inspector		5 0 0	0 2 0
TOTAL					£ 230 7 0	56 3 0

LAMBETH MORTUARY RETURNS FOR THE YEAR 1893.

BODIES DEPOSITED—

By Private Undertakers	...	150
By Parish	... ..	40
By Police	... ..	49
		—
		239

196 Postmortems were made, and 223 Inquests held.

COW HOUSES AND SLAUGHTER HOUSES.

The following Licences were granted—

SLAUGHTER HOUSES.

Old Licenses renewed ...	...	56
Total number of Licensed Slaughter Houses...	...	56

COW HOUSES.

Old Licenses renewed ..	...	37
Total number of Cow Houses in Lambeth .....	...	37

H. WALTER VERDON, M.D., F.R.C.S.

COW HOUSES AND SLAUGHTER HOUSES.

1881 EAST AND WEST LONDON DISTRICTS

The following Licences were granted—

SLAUGHTER HOUSES.

By Private Order ... 20

LONDON :

W. WAYRE AND SON, Metropolitan Steam Printing Works,
22 and 24 Lower Kennington Lane, S.E.



H. WALTER VERDON, M.D., F.R.C.S.



