

Annual report 1893-94.

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BOARD OF WORKS
FOR THE
PLUMSTEAD DISTRICT.

CONSTITUTED UNDER ACT OF PARLIAMENT,

18th & 19th Vic., Cap. 180.

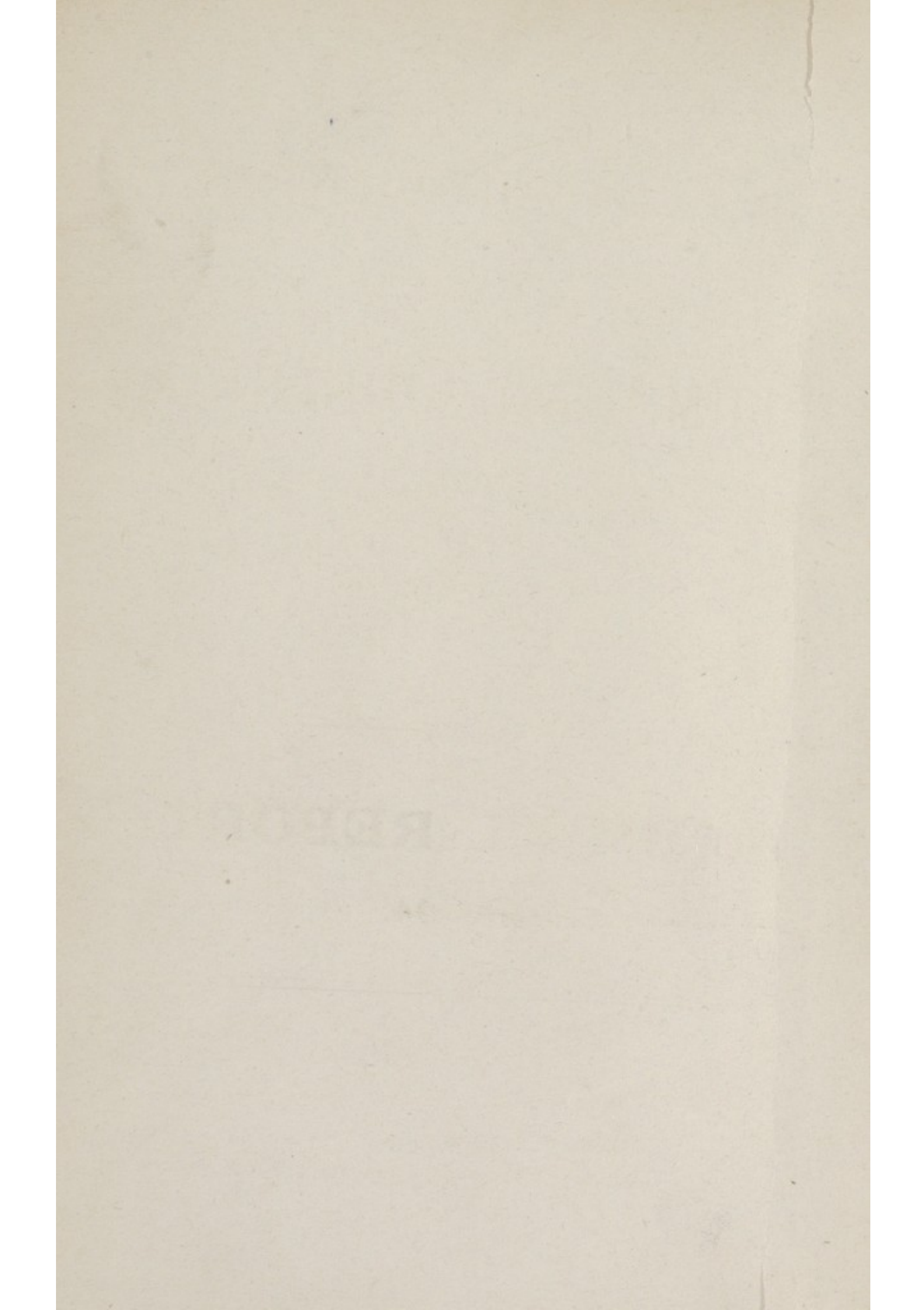
ANNUAL REPORT

1893-94.

WOOLWICH:
F. J. CATTERMOLLE, STEAM PRINTER, ARTILLERY PLACE.









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PLUMSTEAD DISTRICT

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Board of Works for the Plumstead District.

CENTRAL OFFICES:—THE VILLAGE, OLD CHARLTON.

LIST OF MEMBERS.

NOTE.—The Names of Members printed in italics have retired or resigned.

CHARLTON.

<i>Barwell, General, W. B.</i> ..	33, Victoria Road, Charlton	<i>Retired June, 1893</i>
Harper, J.	14, Warwick Terrace, Plumstead	Retires June, 1894
Mann, Major F. G. ..	Hope Villa, Maryon Road, Charlton.	do.
Simms, W.	Old Charlton	do.
North-Wates, J. ..	Wellington Road, Old Charlton	Retires June, 1895
Newsom, J.	43, Maryon Road, Charlton	do.
Nichols, F. G.	444, Woolwich Road, Charlton	do.
Burnett, A.	Old Charlton	Retires June, 1896
Greenep, F. M.	11, Victoria Road, Charlton	do.
Ratcliff, R. C.	Old Charlton	do.

ELTHAM.

Bayley, M... ..	Middle Park Farm, Eltham	Retires June, 1894
Couchman, J. G. ..	Southwood House, Eltham Road, Lee	Retires June, 1895
Neats, W.	"The Hollies," Eltham Road, Lee	do.
Smith, J. J., J.P... ..	Southwood House Southwood Road, Eltham	Retires June, 1896
Alexander, H. A... ..	North Park, Eltham ..	do.

LIST OF MEMBERS—(continued).

KIDBROOK.

Miles, Capt. H.	..	..	Woodville Road, Kidbrook	Resigned Dec. 1893
Despard, Col. W. E.	..	..	18 Kidbrook Park Road, Blackheath	Retires June, 1894
Buttanshaw, M. N.	..	..	Blackheath Park, S.E.	Retires June, 1895
Ommanney, Col. E.L., C.S.I.	..	..	42, Kidbrook Park Road, Blackheath	Retires June, 1896

LEE.

Herring, C.	..	..	Lestock House, Leyland Road, Lee	Retired June, 1893
Judge, G. J.	..	..	6, Micheldever Road, Lee	do.
Gates, W. T.	..	..	Cyprus Villa, Eltham Road, Lee	Retires June, 1894
Lippard, W. H.	..	..	238, High Road, Lee	do.
Warmington, G. S.	..	..	Burnt Ash Hill	do.
Havell, G. F.	..	..	167, High Road, Lee	do.
Howe, J. F.	..	..	5, St. Mildred's Road, Lee	do.
Cole, A. C.	..	..	"Comarques," High Road, Lee	Retires June, 1895
White, J. G.	..	..	"St. Monica," Micheld- ever Road, Lee	do.
Dodd, J. H.	..	..	227 High Road, Lee	do.
Kemp, J. D.	..	..	"Parkfield," Grove Park, Lee	do.
Streek, C. J.	..	..	11, Burnt Ash Hill, Lee	do.
Blackwell, P. T.	..	..	21, Northbrook Road, Lee	Retires June, 1896
Kennard, R.	..	..	21, Burnt Ash Road, Lee	do.
Bloxham, J. F.	..	..	"Drontheim," High Road, Lee	do.
Winning, W.	..	..	8, High Road, Lee	do.
Keech, R.	..	..	1, Dacre Park, Lee	do.

LIST OF MEMBERS—Continued.

PLUMSTEAD.

Blandford, M.	..	..	Shaftesbury Villa, Wrottesley Road, Plumstead	Deceased, Nov. 1893
Turton, I.	..	..	262, Burrage Road, Plumstead	Retires, June 1894
Driver, H. F.	..	..	Blendon Terrace, Plumstead Common	do.
White, R. E.	..	..	Sherwood House, Upper Whitworth Rd, Plumstead	do.
Griffiths, J.	..	..	1a, Bloomfield Road, Plumstead	do.
Charman, W. J.	..	..	84, Plumstead Road, Plumstead	do.
Taylor, J. T.	..	..	88, Pattison Road, Plumstead	do.
Thunder, W.	..	..	257, Eglinton Road, Plumstead	do.
Jelly, G. T.	..	..	250, Burrage Road, Plumstead	Retires, June 1895
Hughes, Col. E., M.P.	..	..	"Oaklands," Plumstead Common	do.
Farrier, J. . .	..	..	30, Burrage Road, Plumstead	do.
Lawson, J.	..	..	"Eltonbury," Wrottesley Road, Plumstead	do.
Oliver, T. C.	..	..	53, Plumstead Road, Plumstead	do.
Hutton, A.	..	..	Horsley House, Chestnut Road, Plumstead	do.
Jolly, J. R., J.P.	..	..	"The Oaks," Burrage Road, Plumstead	do.
Kelham, G.	..	..	225, Burrage Road, Plumstead	do.
Hughes, T.	..	..	198, Burrage Road, Plumstead	Retires, June 1896
Bull, J. H.	..	..	Tamar Villa, Wrottesley Road, Plumstead	do.
Pringle, P.	..	..	Tay Mount, Wrottesley Road, Plumstead	do.
Richardson, Col. A.	..	..	199, Burrage Road, Plumstead	do.
Kimber, E.	..	..	1, Alpine Villas, Brent Road, Plumstead	do.
Kemp, W. . .	..	..	77, Frederick Place, Plumstead	do.
Smith, R. T.	..	..	246, Burrage Road, Plumstead	do.
Webb, Geo.	..	..	The Bower, Park Road, Plumstead	do.

LIST OF MEMBERS—Continued.

GENERAL PURPOSES COMMITTEE.

Bloxham, J. F.	Harper, J.	Newsom, J.
Cole, A. C.	Jelley, G. T.	Ratcliff, R. C.
Couchman, J. G.	Jolly, J. R., J.P.	Smith, R. T.
Despard, Col. W. E.	Keech, R.	Turton, I.
Driver, H. F.	Kemp, W.	Webb, G.
Gates, W. T.	Kennard, R.	
Griffiths, J.	Neats, W.	

FINANCE COMMITTEE.

* <i>North, Wates J.</i>	Jelly, G. T.	White, J. G.
† <i>Miles, Capt. H.</i>	Kelham, G.	White, R. E.
||<i>Blandford, M.</i>	Kemp, J. D.	‡Blackwell, P. T.
Bayley, M.	Mann, Major F. G.	‡Richardson, Col. A.
Bull, J. H.	**Ommaney, Col. E. L., C.S.I.	
Gates, W. T.	‡Burnett, A.	

*Retired, June 1893.

†Resigned, December 1893.

‡Elected, June 1893.

||Deceased, November 1893.

**Elected, January 1894.

LIST OF OFFICERS.

MEDICAL OFFICERS.

- CHARLTON .. Herbert Leopold Bernays, M.R.C.S., "Rivoli," Church Lane, Charlton.
- ELTHAM .. Thomas Moore, L.R.C.S., &c., 6, Lee Terrace, Lee.
- LEE & KIDBROOK Herbert Campbell Burton, M.R.C.S., Lee Park Lodge Blackheath.
- * PLUMSTEAD .. Sidney Davies, M.D., Gothic Lodge, Burrage Road, Plumstead.

SURVEYORS.

- CHARLTON .. John Rowland, 155 Church Lane, Charlton.
- ELTHAM .. Robert Findlay, Eltham Green, Eltham.
- LEE & KIDBROOK Henry Woods, Parochial Offices, Woodstock Road, Lee.
- * PLUMSTEAD .. Walter George Forder, Parochial Offices, Maxey Road, Plumstead.

SANITARY INSPECTORS.

- CHARLTON .. Thomas Clark, 47, Sundorne Road, Charlton.
- ELTHAM .. Daniel Harvey, Eltham Green, Eltham.
- LEE & KIDBROOK Robert White, Parochial Offices, Woodstock Road, Lee.
- * PLUMSTEAD .. Albert G. Duck, Parochial Offices, Maxey Rd., Plumstead.
- A. W. Martin, do. do.
- J. W. Rance, do. do.
- G. Hale, do. do.

* See note next page.

LIST OF OFFICERS—(continued).

Clerk & Solicitor .. George Whale.

Assistant Clerk .. Edward Phillips.

Office Clerks * Alexander Thomas.

* M. Freeman.

A. B. Durham.

W. C. Chaffey.

* M. J. Mackay.

H. W. Tansley.

Treasurer Nevil L. Hodgson, London & County Bank,
Woolwich.

Analyst Wm. Robert Smith, M.D., King's College,
London, W.C.

Analyst Inspectors { William Welch, 62, Wrotesley Road,
Plumstead.
William Ware, 279, High Road, Lee.

Committee
Clerks. { CHARLTON .. Edward Phillips, Old Charlton.
ELTHAM .. William J. Mortis, High St., Eltham.
LEE & KIDBROOK Basil Wickings Smith, 11, Church
Terrace, Lee.
* PLUMSTEAD .. W. T. Vincent, 189, Burrage Road,
Plumstead.

Messenger W. Wotton, Board's Offices, Old Charlton.

GEORGE WHALE,
Clerk.

* Transferred to Plumstead Vestry, 1894; see par. ¹² of the Clerk's report page.

THE BOARD OF WORKS FOR THE PLUMSTEAD DISTRICT.

Return, shewing the number of Attendances of Members at the Board and Committee Meetings for the year ended 25th March, 1894.

No. of Board Meetings held	22	No. of Charlton Local Committee Meetings held	26
" Special Board Meetings held	5	" Eltham ditto	24
" General Purposes Committee Meetings held	14	" Lee and Kidbrook ditto	27
" Finance Committee Meetings held	7	" Plumstead ditto	30
" Finance Committee Rotas held	22	" Joint ditto	2

NAMES OF MEMBERS.	PARISHES.	Board Meetings.		Special Board Meetings.		General Purposes Committee Meetings.		Finance Committee Meetings.		Finance Committee Rotas.		Local Committee Meetings.		Joint Committee Meetings.		REMARKS.
		Attendances.	Possible Attendances.	Attendances.	Possible Attendances.	Attendances.	Possible Attendances.	Attendances.	Possible Attendances.	Attendances.	Possible Attendances.	Attendances.	Possible Attendances.	Attendances.	Possible Attendances.	
BARWELL, GENL. W. ..	Charlton	..	4	..	1	..	..	..	..	..	..	..	3	..	..	Retired, June, 1893.
BURNETT, A. ..		19	22	4	5	..	..	2	6	4	4	23	26	1	1	Elected to Finance Committee, June, 1893.
RATCLIFF, R. C. ..		21	22	4	5	13	14	..	..	..	..	26	26	1	1	
GREENEF, F. M. ..		13	18	3	4	..	..	..	..	..	..	10	23	..	1	Elected to Board, June, 1893, vice Gen. Barwell resigned
HARPER, J. ..		22	22	5	5	14	14	..	..	..	..	19	26	1	1	
MANN, Major ..		17	22	3	5	..	..	4	7	4	4	19	26	1	1	
SIMMS, W. ..		19	22	5	5	..	..	..	..	..	..	22	26	1	1	
NORTH-WATES, J. ..		17	22	3	5	..	..	1	..	..	..	21	26	1	1	Retired from Finance Committee, June, 1893
NEWSOM, J. ..		17	22	3	5	10	14	..	..	..	..	24	26	1	1	
NICHOLS, F. G. ..		2	22	..	5	..	..	..	..	..	..	5	26	..	1	
SMITH, J. J. J.P. ..	Eltham	6	22	..	5	..	..	..	..	..	..	21	24	1	2	
ALEXANDER, H. A. ..		3	22	..	5	..	..	..	..	..	..	18	24	1	2	
BAYLEY, M. ..		19	22	3	5	..	..	7	3	3	3	22	24	2	2	
HUGHES, W. B. ..		19	22	3	5	..	..	..	..	..	..	23	24	2	2	
COUCHMAN, J. G. ..		4	22	..	5	3	14	..	..	..	..	9	24	2	2	
NEATS, W. ..		19	22	2	5	11	14	..	..	..	..	20	24	2	2	
MILES, CAPT. H. ..	Kidbrook	7	16	1	3	..	..	1	4	3	3	9	20	..	2	Resigned, December, 1893.
OMMANNEY, Col. ..		6	6	2	2	..	..	2	2	1	1	7	7	..	..	Elected to Board, Jan., 1894, vice Capt. Miles resigned.
BUTTANSHAW, M. N. ..		19	22	5	5	..	..	..	..	..	..	25	27	2	2	Elected to Fin. Com. Jan. 1894, vice Capt. Miles resigned
DESPARD, Col. ..		16	22	3	5	11	14	..	..	..	..	20	27	1	2	
HERRING, C. H. ..	Lee	4	4	1	1	..	..	..	..	..	..	6	6	1	1	Retired, June, 1893.
BLACKWELL, P. T. ..		17	18	4	4	..	..	5	6	1	1	17	21	1	1	Elected, June, 1893, vice Mr. Herring resigned, also to Finance Committee, June, 1893.
KENNARD, R. ..		18	22	5	5	12	14	..	..	..	..	24	25	2	2	
BLOXHAM, J. F. ..		17	22	4	5	11	14	..	..	..	..	18	27	2	2	
JUDGE, G. J. ..		3	4	1	1	..	..	..	..	..	..	6	6	1	1	Retired, June, 1893.
WINNING, W. ..		14	18	2	4	..	..	..	..	..	..	12	21	1	1	Elected, June, 1893, vice Mr. Judge resigned.
KEECH, R. ..		21	22	4	5	13	14	..	..	..	..	26	27	2	2	
GATES, W. T. ..		21	22	5	5	13	14	7	7	4	4	25	27	2	2	
LIPPARD, W. H. ..		20	22	2	5	..	..	..	..	..	..	25	27	1	2	
WARMINGTON, G. S. ..		20	22	3	5	..	..	..	..	..	..	23	27	1	2	
HAVELL, G. F. ..		13	22	4	5	..	..	..	..	..	..	22	27	..	2	
HOWE, J. F. ..		6	22	1	5	..	..	..	..	..	..	14	27	1	2	
COLE, A. C. ..		13	22	1	5	10	14	..	..	..	..	15	27	2	2	
WHITE, J. G. ..		16	22	5	5	..	..	4	7	2	2	24	27	2	2	
DODD, J. H. ..		21	22	4	5	..	..	..	..	..	..	24	27	2	2	
KEMP, J. D. ..		16	22	4	5	..	..	5	7	3	3	16	27	2	2	
STREEK, C. J. ..		21	22	4	5	..	..	..	..	..	..	27	27	2	2	
HUGHES, T. ..	Plumstead	13	22	3	5	..	..	..	..	..	..	8	28	..	..
BULL, J. H. ..		16	22	4	5	..	..	2	7	3	3	13	28	..	..
PRINGLE, P. ..		22	22	4	5	..	..	..	..	..	..	25	28	..	..
RICHARDSON, Col. ..		18	22	5	5	..	..	4	7	3	3	22	28	..	..
KIMBER, E. ..		12	22	3	5	..	..	..	..	..	..	19	28	..	..
KEMP, W. ..		20	22	3	5	12	14	..	..	..	..	28	29	..	..
SMITH, R. T. ..		17	22	3	5	10	14	..	..	..	..	21	29	..	..
WEBB, G. ..		18	22	5	5	10	14	..	..	..	..	24	28	..	..
TURTON, I. ..		9	22	2	5	4	14	..	..	..	..	8	29	..	..
DRIVER, H. F. ..		12	22	3	5	9	14	..	..	..	..	27	29	..	..
WHITE, R. E. ..		13	22	3	5	..	..	6	7	5	5	14	28	..	..
BLANDFORD, M. ..		7	12	1	1	..	..	1	3	..	..	9	20	..	..	Deceased, November, 1893.
GRIFFITHS, J. ..		17	22	4	5	9	14	..	..	..	..	13	28	..	..
CHARMAN, W. J. ..		11	22	..	5	..	..	..	..	..	..	15	28	..	..
TAYLOR, J. T. ..		21	22	3	5	..	..	..	..	..	..	21	28	..	..
THUNDER, W. ..		15	22	3	5	..	..	..	..	..	..	17	28	..	..
JELLEY, G. T. ..		14	22	2	5	3	14	1	7	4	4	20	28	..	..
HUGHES, Col. E. ..		17	22	3	5	..	..	..	..	..	..	5	28	..	..
FARRIER, J. ..		16	22	2	5	..	..	..	..	..	..	17	28	..	..
LAWSON, J. ..		18	22	3	5	..	..	..	..	..	..	25	28	..	..
OLIVER, T. C. ..		15	22	2	5	..	..	..	..	..	..	17	28	..	..
HUTTON, A. ..		19	22	4	5	..	..	..	..	..	..	24	28	..	..
JOLLY, J. R., J.P. ..		16	22	3	5	4	14	..	..	..	..	17	29	..	..
KELHAM, G. ..		15	22	4	5	..	..	4	7	4	4	16	28	..	..

THE BOARD OF WORKS
FOR THE
LEE DISTRICT,

(Formerly the Plumstead District.)

REPORT, 1893-4.

1. Pursuant to the 198th Section of the Metropolis Management Act, 1855, the following is the Report of the proceedings of the Board in the execution of that Act and the statutes amending the same, and of the works commenced and completed respectively in the year ended 25th March, 1894, and the works remaining in progress at the termination of such year, and also of any proceedings taken by the Board in such year for the removal of nuisances or the improvement of the Sanitary condition of the District. Some of such works and proceedings are shown in detail in the

reports of the Surveyors and Sanitary Inspectors and other Officers following, There are also annexed hereto copies of the Annual Reports of the Medical Officers of Health, and other tabular statements, including a report (Table A, page 18), showing Population, Number of Houses and Rateable Value in respect of each Parish in the District as compared with last year and with the whole Metropolis. The result of the election of the County Council (March, 1892) is also shown (page 17).

2. The annual report of the Public Analyst for this District is also published herewith.

3. Particulars of prosecutions by the Board for offences are also given in a separate report.

4. The Acts of Parliament under which this Board exercises its various powers in this District of the Metropolis, are chiefly as follows:—

THE METROPOLIS MANAGEMENT ACTS.

5. *The Metropolis Management Act, 1855, 18 and 19 Vic., Cap. 120*, is the Act under which the Board was originally constituted and the District defined. The District, then called Plumstead District, included the following parishes, viz.:—Charlton, Eltham, Kibbrook, Lee and Plumstead. The Vestries of these Parishes (Plumstead now excepted—see below) elect members to the Board, the vestries being themselves chosen by the rate-payers. The annual election of members to the Board by the Vestries takes place in each Parish on the first Wednesday in the month of June. One third of

the members go out of office annually ; all the members go out of office on the first Wednesday in June in the third year from their election. The number of members for each Parish is set out in the tabular form at the foot of this report. The members of the Board were hitherto persons rated or assessed to the relief of the poor in the Parish in which they are elected, upon a rateable value of £40, excepting in the Parishes in which the number of poor rate assessments at £40 or upwards does not exceed one-sixth of the whole number of such assessments, in which case the rateable value constituting a qualification was reduced to £25. This lower qualification applied of late years in the Parishes of Plumstead and Charlton. The Local Government Act, 1894, (see special report p. 21) alters the qualification.

6. The principal duties of this District Board under this Act, and the Metropolis Management Amendment Acts, 1862-90, consist in the construction, repair, and cleansing of sewers (except main sewers, which are now vested in the London County Council), the supervision of house drainage, and the execution of the office of Surveyor of Highways, which empowers the Board to repair, pave, light, improve water, and maintain public ways, and to prevent obstruction there. Paving works and sewers in new streets can also be constructed by the Board at the cost of the owners and occupiers. Much work of this kind has recently been executed. Under these Acts temporary repairs can now be executed by the Board in new streets, and this has been done in several cases. These Acts also empower the Board to proceed against persons building beyond the general line.

7. The expenditure of the Board, under these and other Acts hereinafter mentioned, and the contributions of the District to the expenditure of the London School Board, are met by precepts issued by the Board to the Overseers of the various Parishes above mentioned in the District in proportion to the rateable value of property in such Parishes. The rateable value appears from the table set out at the end of this report. The accounts of the Board have to be audited annually by three unpaid auditors chosen by the Board in April, from amongst the Vestry Auditors of the District.

PUBLIC HEALTH (LONDON) ACT, 1891.

8. This Act came into operation on the 1st of January, 1892. It is a most important Act and repeals many of the existing provisions of the Metropolis Management and other Acts, and also repeals the Nuisance Removal Act, 1855, and some sections of the later Sanitary Acts and makes new and in some respects different provisions in substitution of the Acts repealed, and also makes additional provisions with regard to Public Health in the County of London. The Act constitutes this Board the "Sanitary Authority" for the District. New provisions are introduced as to the appointment or re-appointment of Medical Officers of Health and Sanitary Inspectors, and as to Polluted Wells, Mortuaries and other matters. Duties are imposed upon the Board as a Sanitary Authority to properly cleanse and sweep Streets, including the footways, and to collect street refuse. All Owners and Occupiers are now exempt from obligation to sweep and cleanse footways. This Act is now

in operation, and prosecutions under it have been numerous. The Board has passed and the Local Government Board has approved the necessary bye-laws under this Act.

FOOD AND DRUGS ACTS.

9. Under the Sale of Food and Drugs Acts, 1875-9, (38 and 39 Vic., c. 63, and 42 and 43 Vic., c. 30), the Board appoints Inspectors, who obtain samples of food and drugs, which are analysed by the Public Analyst appointed by the Board. The vendors of adulterated articles are prosecuted.

10. There is still a continuing increase in population, houses and streets, and consequently also in the paving and other works, in nuisance cases, and generally in the work and duties of the Board's officers. The report of Police Court proceedings annexed gives particulars of summonses issued. The rateable value of the Plumstead district according to the Valuation List which will come into force on the 6th April next, is £462,519. The annexed Table "A" gives some other figures showing the growth of the district.

11. The Housing of the Working Class Act, 1890, has been very much used in other and more crowded districts, but the houses here are comparatively new, and are not so closely built. The health of the district stands high, and the Board after enquiry has not found it necessary to take any proceedings under this Act.

PLUMSTEAD SEPARATION.

12. By the "Metropolis Management Plumstead and Hackney Act, 1893," the Parish of Plumstead was separated from the other parishes, as from 25th March, 1894; and the parishes of Charlton, Eltham, Lee and Kidbrook, constitute the Lee District. The Act provides for the apportionment of assets and liabilities, and other incidental matters. Three of the clerks in the office, (Charlton) and the parochial officers, have been transferred to Plumstead Vestry under this Act. The Board continues to meet at Charlton, but at 7 p.m. instead of 6-30 p.m.

GEORGE WHALE,

Clerk.

OLD CHARLTON,

25th March, 1894.

NOTE.

THE LOCAL GOVERNMENT ACT, 1894.

This Act affects the District Boards, and I have annexed a special report upon it (See page 21).

G. W.

LONDON COUNTY COUNCIL.

ELECTION—MARCH, 1892.

The Boroughs, including Parishes Comprised in the Plumstead District.	Candidates. Those elected are marked*	Votes.
GREENWICH— (Includes Parishes of Charlton and Kidbrook.)	JACKSON, R. S.* .. 3667 LIDGETT, G.* .. 3623 BATLEY, W. FOX .. 3168 WILSON, G. MARYON .. 3080	
LEWISHAM— (Includes Parish of Lee.)	HARVEY, G. A.* .. 2694 LEMON, W. G.* .. 2405 LINDSEY, M. J. .. 2049 CROCKFORD, F. .. 2038	
WOOLWICH— (Includes Parishes of Eltham and Plumstead.)	HUGHES, COL. E., M.P.* 6099 JOLLY, J. R.* .. 4507 CHAMBERS, T. .. 3137 HICKS, W. 1444	

PARISH.	Population.		Rateable Value.		Inhabited Houses.		Area Acres.	No. of Members of District Board.
	1881.	1891.	1893.	1894.	1881.	1891.		
Charlton ..	8,739	14,040 ^{11,742}	63,269	68,270	1,365	2,092	1,235	9
Eltham ...	5,048	5,682	51,724	51,913	883	1,025	3,782	6
Kidbrook ...	2,166	} ^{2,298} 23,541 ^{16,381}	22,636	22,322	256	} 3,994	750	3
Lee ...	14,432		134,847	134,628	2,265		1,237	15
Plumstead ...	33,257	52,435	182,143	185,386	5,253	8,629	3,388	24
The whole } District }	63,642	^{88,539} 95,699	457,619	462,519	10,022	15,740	10,392	57
The whole } Metropolis }	3,834,194	4,231,431	33,359,846	29,561,969	488,885	557,134	77,410	

TABLE A.

BOARD OF WORKS FOR THE PLUMSTEAD DISTRICT

CLERK'S REPORT on Police Court Proceedings, 1893-4.

I have to report the following as the number of Police Court Summonses issued by me on the instructions of the Board, and of convictions or orders obtained during the year 1893-4.

Further particulars were in each case duly reported to the Board when the cases were respectively heard by the Police Magistrates.

	Summonses.	Convictions or Orders.	Paid before Hearing.	Withdrawn, Dismissed, Not Served, or otherwise disposed of.	Work done before Hearing.	Hearing Adjourned.
1. Adulteration of Food..	9	7	..	2	..	8
2. Building beyond gener- al line	1	..	..	1	..	9
3. Building and draining without notice	1	1	..	..	..	..
4. Contravention of drain- age plan	2	2	..	..	..	..
5. Drainage Contributions	5	2	3	..	..	..
6. Exposing unsound food for sale	5	5	..	..	..	3
7. Failing to notify infec- tious disease	2	1	..	1	..	..
8. Illegal Drain repair ..	2	2	..	..	..	..
9. Obstruction	22	21	..	1	..	9
10. Opening ground with- out notice	1	1	..	..	..	..
11. Paving Contributions	116	100	12	4	..	78
12. Permitting occupation of dwelling houses without proper water supply certificates	9	5	..	2	..	4
13. Polluted Well	1	..	..	..	..	1
14. Road Repair Contribu- tions	2	..	1	1	..	..
15. Sewer Contributions ..	22	2	1	19	..	26
Totals	234	174	17	39	5	146

Two Nuisance Summonses carried over to next year.

Two cases of permitting occupation of dwelling houses without proper water supply certificates carried over to next year.

One summons Polluted Well carried over to next year.

GEORGE WHALE,

25th March, 1894.

CLERK

The Local Government Act, 1894.

Report of Mr. George Whale, Clerk and Solicitor
to the Board of Works for the Lee District on
the effect of the Act upon the constitution and powers of
District Boards in the administrative County of London.

30th May, 1894.

1. The Local Government Act, 1894, affects the constitution and powers of District Boards. It repeals some sections of the Metropolis Management Acts, 1855, 1856, and 1862, substitutes other provisions in lieu thereof, and enables some additional powers to be conferred on District Boards. It also deals with matters affecting the Vestries within the London Districts. But the provisions as to London are scattered amongst the eighty nine sections of this Act. Their full effect cannot be ascertained until further orders or rules are made by the Local Government Board; and even then, there must remain some difficult questions of law under this very complicated Statute. My report is limited to the particular provisions of this new Act which directly apply to or affect London District Boards. The chief of these alterations are as follows:—

MEMBERS.

2. The qualification of Members of District Boards has hitherto been by rating (£40 or £25, as the case might be) and occupation (M.M.A. 1855, s. 6, M.M.A., 1856, s. s. 6-8, M.M.A., 1862, s. 40). Most of these Sections are now repealed and the others much altered. One third of the Members of District Boards will still retire annually. The election of Members of District Boards in the place of Members so retiring will still be held by the Vestries specified in the Metropolis Management Act, 1855 (Schedule B) as amended by later Acts, on the first Wednesday in the month of June. Such Vestries will also continue to fill up casual vacancies. But the qualification of Members of District Boards will now be that mentioned in Sec. 31 of the Local Government Act, 1894. (See paragraph 3).

3. The only persons, therefore, whom the Vestries can now elect as Members of District Boards are "parochial electors" of some parish within the district, or residents who have, during the whole twelve months preceding the election, resided in the District. No person shall be disqualified by sex or marriage from being elected. "Parochial Elector" practically means a person whose name appears either in the "Local Government Register" or "Parliamentary Register" of Electors relating to the parishes within the districts (L.G.A., 1894, s. s. 31 (1) 75 (2), 23 (2), 2 (1), 44). Upon the first only of the elections (6th June, 1894) under this new Act, the Vestries may (if the "appointed day" s.s. 84-89, means 6th June, 1894) be perplexed by the want of the proper register of electors. No doubt their legal advisers will be consulted. The alternative qualification (by residence for twelve months) would then prove useful; but it, in turn, leads to legal questions as to what is a sufficient "residence." This however is also primarily at least a question only for the Vestries.

4. It is, however, material to notice that the 54th section of the Metropolis Management Act, 1855, imposing certain disqualifications on Members of District Boards (*e.g.*, on those interested in contracts with such Boards) and certain penalties on persons who act as members when disqualified is repealed (L.G.A., 1894, s. 89 and Schedule II.). The new Act contains elaborate provisions (Sec. 46) as to disqualification. These apply to Members and Auditors of London Vestries, but it is not at all clear that such provisions apply to Members of District Boards.

CHAIRMAN.

5. District Boards will cease to elect a Chairman at every meeting. They must, at their first meeting after the annual election of members, elect a "Chairman for the year." Only in his absence will it be necessary to elect a Chairman for a meeting. The "Chairman for the year" will not have a second or casting vote; but the Chairman elected for a particular meeting (in the absence of the Chairman for the year) will still have such casting vote (L.G.A., 1894, s. 31 (2), M.M.A., 1855, s. 41). The Chairman for the year will (unless a woman or personally disqualified by any Act) be, by virtue of his office, a Justice of the Peace for the County of London; but before acting as such justice he must, if he has not already done so, take the oath required by law to be taken by a justice, other than the oath respecting the qualification by estate (L.G.A., 1894, s. s. 31 (2), 22).

AUDITORS.

6. The new Act alters the qualifications and disqualifications of Auditors, as in the case of Members, but otherwise leaves the mode and time of election of Auditors by District Boards unaltered. Three such Auditors, will therefore in the month of

April, in every year, be elected by ballot by each District Board, from amongst the persons acting as Auditors for the parishes in the district (L.G.A., 1894, s. 31 (1), 46 (9), M. M. Act, 1855, s. 194).

POWERS.

7. The powers of District Boards are not immediately affected by the Statute, but the Local Government Board may, on the application either of a District Board or of any (undefined) "representative body" within a London District, make an order conferring on any District Board, or some other representative body within the district (and either as to the whole or any parts of the district) the appointment and powers of Overseers and Assistant Overseers, and any powers, duties and liabilities of a "parish council." Such order may not alter the incidence of any rate, and shall make provision for the existing interests of paid officers (L.G.A., 1894, s. 33).

8. Some local powers of considerable importance would be exercised by District Boards if the powers of Overseers alone were transferred to such District Boards by order of the Local Government Board, under this Act. Such an order might empower District Boards (in the place of Overseers) to make rates (to be still allowed by justices and published as heretofore) and to act in the preparation of valuation lists and on appeals either as to such lists, or as to rates (L.G.A., 1894, s. 6 (1 c. 1.), 33 (1), Valuation (Metropolis) Act, 1869, &c.)

9. The powers, duties and liabilities of a Parish Council are very numerous (L.G.A., Parts I. and IV., and especially s. s. 5-14). Many of such powers are already possessed by District Boards. Other powers of Parish Councils are chiefly exercisable in rural parishes (*e.g.*, as to inclosure of commons and

formation of School-boards). Others (*e.g.*, as to fire engines) are already exercised by the London County Council. But there are also many powers given to Parish Councils by this Statute which, if conferred on District Boards, would largely extend their functions. Amongst these powers, it is important to mention the following which District Boards might, under this Act, acquire by an order of the Local Government Board :—

A Control of parish property by :—

- (1). Acquiring the legal interest in all property (except ecclesiastical property) vested in overseers and churchwardens and their powers and liabilities as to other parish property (except as aforesaid) s. s. 5 (2), 6 (1 c. III).
- (2). Accepting and holding 'gifts of property real or personal, for the benefit of the inhabitants (s. 8 (1 h)).
- (3). Maintaining and improving such parish property (s. 8 (1 i.)).
- (4). Accepting, with the approval of the Charity Commissioners, transfers (to the District Board or its appointees) from trustees of property (not being ecclesiastical) held for the benefit of the inhabitants (s. 14 (1)).
- (5). Appointing trustees of parochial charities in the place of overseers, and when the charity is not ecclesiastical) also in the place of churchwardens (s. 14 (2)).

(6). Where the governing body of a parochial charity (other than an ecclesiastical charity) does not include any persons appointed by the parochial electors or inhabitants, then by appointing additional members of the governing body not exceeding the number allowed by the Charity Commissioners (s. 14 (3).

(7). Appointing trustees and selecting beneficiaries where the vestry may be entitled under the trusts of a charity (other than an ecclesiastical charity) to appoint trustees or beneficiaries (s. 14 (4). [This power might also of course be transferred generally with other vestry powers, see "B" below.]

(8). Considering, and supporting, or opposing draft schemes relating to charities (not being ecclesiastical) under the Charitable Trusts Act 1860 (s. 14 (5).

(9). Controlling the custody of public books, writings, or papers of parishes within the district excepting ecclesiastical registers and ecclesiastical documents (s. 17 (8). [The Act also contains provisions as to term of office of trustees, and excepts certain charities founded within forty years, and defines the excepted ecclesiastical property and charities (s. s. 14 (7, 8) 75 (21). [Property vested in Churchwardens alone cannot be transferred under the Act.]

B Powers of the vestries in the district could also be transferred to the District Board excepting as to ecclesiastical affairs (s. 6 (1 a). [This might involve the practical abolition of certain vestries in London

Districts, or leave them with nothing to do excepting in ecclesiastical matters. Where Vestries already appoint "Commissioners" under any of the "Adoptive Acts" herein-after mentioned (D) this power, and such control as the Vestries already exercise over such Commissioners, seem to be thus transferable to District Boards. But the Act cannot, of course, be also intended to authorize the Local Government Board to empower District Boards to elect their own members, although such a power seems now a strange legal possibility.]

C Powers may also be given to District Boards to maintain and repair closed churchyards (where the cost is paid out of rates) and exercise other non-ecclesiastical powers (if any) of churchwardens (s. 6 (1 b)).

D Power may also be given to District Boards to carry out when hereafter adopted in any parish in the District, certain "Adoptive Acts," including the Baths and Wash-houses Acts 1846—82, the Burials Act 1852—85, and the Public Libraries Act 1892 (s. (7)).

E To provide and acquire buildings for public offices, and for meetings, and land for such buildings, and to provide public walks and recreation grounds, or to contribute to the support of public walks, or pleasure grounds, and to acquire land for any other purposes for which a parish Council is authorized to acquire it. This may be done either by agreement with owners of land or (by authority of the London County Council confirmed by the Local Government Board)

compulsorily (s.s. 8 & 9). [This would be new so far as it gives the right to acquire land under compulsory powers; but otherwise it would not much extend existing powers of District Boards. The consent of the London County Council would, under the Metropolis Management Acts, be in some cases necessary even for purchase by agreement].

F To utilize any well, spring, or stream within the district, and provide facilities for obtaining water therefrom (s. 8. (1 e). [But private rights, unless acquired by agreement, or perhaps by compulsion (see above "E") are not to be interfered with. District Boards could not under this power bring water from without their district, and they are already prohibited from supplying it for domestic or commercial purposes (M.M.A. 1855. s. 155).]

G To acquire (by agreement only and not compulsorily) any beneficial right of way, whether within a parish of the district or any adjoining parish (s. 8. 1. g). [This power is new so far, at least, as it would enable District Boards to acquire rights of way outside their districts. The consent of the London County Council might be required. M.M.A. 1862 s. s. 72 & 100].

H To give necessary consent to stopping up or diversion of a public way (s. 13). [But this would also be secured in London if the powers in this matter of elected vestries (whose consent is now necessary under the Highway Act 1835) were transferred to District Boards, See above "B."]

10. Such of the District Boards as comprise parishes where there is arable or pasture land or any rural parts might obtain powers of Parish Councils as to allotments (s. s. 6 (1 C. 111) 10) and as to repairs of footpath, not being footpaths at the side of public roads (s. 13 (2). There is also a useful power to combine with other District Boards or representative bodies having similar powers, for several of the above purposes, including acquisition of land, (E) utilizing water supply (F) acquiring rights of way (G) and to accept and hold gifts of property and improve parish property (A) (s. 8 (1 k). But if and so far as District Boards (on which powers of parish councils are conferred) rely on this Act the limit of expenditure, and the restrictions on borrowing powers, which exist in the case of parish councils, would have to be observed (s. s. 11 & 12).

GEORGE WHALE.

METROPOLIS LOCAL MANAGEMENT ACTS.

SALE OF FOOD AND DRUGS ACTS, 1875-9.

To the Board of Works for the Plumstead District.

King's College,

London,

21st June, 1894

GENTLEMEN,

1. I have the honor to forward for your information the tables showing the work done by me as Public Analyst to your Board, under the Sale of Food and Drugs Acts, during the year ending March 31st, 1894.

2. During the year 201 articles have been examined, of which number 165 were genuine and 36 adulterated or of inferior quality.

3. All the samples were purchased and submitted for Analysis by the Inspectors of the Board.

4. The subjoined tables give the various articles which have been examined, their number and description as well as the general analytical results, and where the article was found to be adulterated, the nature and extent of the adulteration are shown.

5. The milk supply of the District has been carefully watched by the Inspectors, who have collected samples on Sundays, when an increased quantity is used, as well as on week-days.

I am, Gentlemen,

Your obedient Servant,

WILLIAM R. SMITH,

M.D., D.Sc., F.R.S., Ed.,

Professor of Forensic Medicine in

King's College, London.

TABLE I.

Articles submitted with General Results of Analysis.

No. of Samples	Articles submitted for Analysis.	Result of Analysis.
60	Milk	(30 Genuine 15 Adulterated 9 Poor quality 6 Very poor quality
14	Butter	Genuine
11	Coffee	"
2	Ginger Beer ..	"
2	Glycerine ..	" (but contained traces of lead).
3	Ammonio-citrate of Iron	"
4	Sodium bicarbonate	"
4	Dilute Phosphoric Acid	"
4	Scotch Whiskey ..	3 Genuine ; 1 Adulterated
4	Irish "	2 " 2 "
4	Rum	3 " 1 "
4	Gin	Genuine
4	Brandy	3 Genuine ; 1 Adulterated
18	Mustard	Genuine
4	Sugar	"
6	Flour	"
6	Tapioca	"
6	Sago	"
6	Arrowroot	"
6	Rice	"
6	Oatmeal	"

TABLE I.—Continued.

No. of Samples	Articles submitted for Analysis.	Result of Analysis.
3	Rectified Spirit ..	Genuine
3	Proof Spirit ..	"
1	Absolute Alcohol ..	"
8	Pepper	"
4	Tea	"
4	Cocoa	3 Genuine ; 1 Adulterated
201		
165	Genuine	
36	Adulterated or Inferior Quality	

TABLE II.

Shewing the Samples Adulterated or of Inferior Quality.

No.	Substance.	Result.
668	Milk	Poor quality
669	"	3 per cent. of added water
670	"	8 " "
671	"	Poor quality
211	"	Very poor quality
678	"	Poor quality
214	"	4 per cent. of added water
685	"	2 " "
686	"	4 " "

TABLE II.—Continued.

No.	Substance.	Result.
687	Milk	4 per cent. of added water
688	„	7 „ „ and very poor in fat
229	Scotch Whiskey	17·2 parts of added water
230	Irish „	9·4 „ „
231	Rum	9·7 „ „
234	Brandy ..	7·3 „ „
694	Irish Whiskey..	9·4 „ „
721	Milk	5 per cent. of added water
722	„	12 „ „ also poor in fat
723	„	6 „ „
249	„	8 „ „
717	„	Very poor quality
735	„	„ in fat
736	„	14 per cent. of fat removed
268	„	Poor quality
284	„	Very poor quality
286	„	6 per cent. of added water
287	„	Poor quality
288	„	Very poor quality and poor in fat
289	„	Very poor quality
755	„	7 per cent. of fat removed
756	„	Poor quality
758	„	5 per cent. of fat removed

TABLE II.—Continued.

No.	Substance.	Result.
762	Milk	Poor quality
763	„	Poor in fat
764	„	„ „
296	Cocoa.. ..	50 per cent. of added starch and sugar

METROPOLIS LOCAL MANAGEMENT ACTS.

CHARLTON.

REPORT OF THE MEDICAL OFFICER OF HEALTH FOR THE YEAR 1893.

To the Board of Works for the Plumstead District.

GENTLEMEN,

1. I beg to present to you my Annual Report of the Sanitary condition of the Parish of Charlton, for the year ending December 31st, 1893.

2. The Births have numbered 368,—

Males	...	...	201
Females	...	...	167

Giving a ratio of 29·16 per thousand of the population, estimated at the middle of 1893 as 12273.

3. Hitherto it has been my practice to estimate the deaths without adding those parishioners who have died in Public Institutions, &c., outside the parish, but as I consider it is only right to account for all, this year I have added these, and have made my calculations accordingly.

4. The total amounting to 222, divided as follows:—

Males	...	...	113
Females	...	...	109
			<hr/> 222

Giving a ratio of 18·09 per thousand of the population.

5. Of these, 32 have occurred outside the parish in the following places—

South Eastern Fever Hospital	...	...	6
Ormond Street	„	...	1
Woolwich Infirmary	...	...	14
Seamen's Hospital	...	...	2
London Hospital	...	...	1
St. Bart.'s	„	...	1
Greenwich Infirmary	...	...	1
Guy's Hospital	...	„	1
Camberwell Home	...	...	1
Banstead Asylum	...	...	1
The Moat, Eltham	...	...	1
River Thames	...	...	2
			<hr/> 32

6. This is one less than last year, and those who died at home numbered 190, against 182 for 1892.

7. At first sight this looks like a small increase, but when I add that during the twelve months ending December 31st, 1893, 93 new houses have been certified as having an efficient water supply and have become inhabited, I consider that the result is most satisfactory. This is a very large increase of houses in a parish which only numbers 1235 acres, and the mortality may be considered to have been kept well within reasonable bounds.

8. The Table of Deaths now in use does not show all the causes of Death so I give the numbers of some of the more important ones as follows :—

Cancer	...	...	...	9
Apoplexy	...	...	...	5
Paralysis	...	...	...	6
Cirrhosis	...	...	...	6
Senile Decay	...	...	...	14
Premature Birth, &c.	...	...	...	15

9. There were 12 deaths from Violence of various kinds, on all of which Inquests were held, out of which 7 were caused by drowning.

10. If these were eliminated from the Diseases causing death, together with the 14 due to Senile Decay and the 15 from Premature Birth, &c., the numbers would be of course very largely reduced.

11. The general condition of the parish during the past year has been very good, there has been nothing but what is favorable to record with the exception of *Scarlatina*, which has been considerable, but that has been common to the whole of the Metropolis.

12. The number of cases reported to me has been 153, out of which 71 were removed to the Asylums' Board Hospital, and it is satisfactory to note that only 6 of these removed to Hospital died. You are well aware that at certain times during the year, the pressure upon the Asylums Board for the accommodation of cases was very great, and that at times it was something like 10 days before a case could be removed.

13. I believe firmly that the Asylums Board did all that it possibly could in the matter, and your Sanitary Officers also

took all the precautions possible to prevent the spread of infection.

14. Considering the amount of *Diphtheria* that has existed in London during the past year, I am able to record only 5 cases in this parish. This was very favorable and better than last year, when 7 were recorded, and the general prevalence was not so great.

15. The question of *Typhoid Fever* is always an important one, but there have only been *six* cases during the year, and that would go well to prove that the general drainage and water supply are very good.

16. In spite of the considerable amount of *Small Pox* that has existed in the Metropolis during the past year, not one single case has occurred in Charlton. This is very fortunate, but in a great measure we may attribute it to the fact, that there is not one single common lodging house or shelter in the parish. From what we can gather from other parishes in the Metropolis, these refuges together with casual wards have been the chief places where these cases have been found.

17. There were 23 cases of *Erysipelas* recorded but no deaths, and one case of *Puerperal Fever* which was fatal.

18. *Measles*, *Whooping Cough*, and *Diarrhæa*, were all below the average, at any rate as regards mortality only 3, 6, and 8 deaths respectively being returned.—This is satisfactory.

19. With regard to *Influenza*, although at times during the year there has been a considerable amount, yet I cannot say that it has really become epidemic, and certainly no death can be directly attributed to it.

20. The fears of *Cholera* reaching here naturally gave rise to a good deal of work and correspondence with the central authorities, but at no time was there the slightest suspicion of any case.

21. The *Mursh District* is always a source of anxiety owing to the want of a relief sewer, of which I have had to complain for many years. Fortunately during the past year, only once has the place been flooded (Oct. 9th). I asked the Foreman of the Roads for a short report on this matter, and the following is an extract.—

“East Street, West Street, Woolwich Road, Troughton Road, and Delafield Road, and in all these places the sewage forced its way through the drains and flooded several of the houses.”

22. Putting aside the question of *Sewage* finding its way into houses and yards, for many years it has been a recognized fact that Chest diseases and particularly Phthisis are greatly increased, if not actually produced by general dampness of the soil—and here I should like to quote a short extract from Professor Smith's (Woolwich) Report of 1892, with which I quite agree.—

“I do not think it is generally recognised that Phthisis in a great measure belongs to the class of preventible diseases, and that it is incumbent upon Sanitary Authorities to use every means to prevent it (*i.e.*, dampness) unquestionably the Consumption death rate of a district is a much better guide as to its healthiness than the ordinary zymotic death rate.

23. The every day work of the Sanitary Department has been most efficiently carried out by the Sanitary Inspector, and chiefly owing to the tact with which he has performed his duties there have been much fewer cases brought before the magistrates than there have been for many years past.

24. Twice during the year I have inspected the *Bakehouses*, and they are frequently visited by the Inspector. They are all well kept, and the owners show every desire to conform to the existing regulations.

25. I am pleased to acknowledge with my best thanks the assistance I have received from the various officials, whom I have had to consult during the past year, and from the Charlton Committee, whose support has always been so kindly afforded me.

I am, Gentlemen,

Your obedient Servant,

HERBERT L. BERNAYS, MR.C.S., &c.,

*Medical Officer of Health
for Charlton.*

Rivoli,

January 23rd, 1894.



K² 11. **(B.)** Table of POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, during the Year 1893, in the Charlton Sanitary District of Plumstead District, classified according to DISEASES, AGES, and LOCALITIES.

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 LOCALITY, COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.											NUMBER OF SUCH CASES REMOVED FROM THEIR HOMES IN THE SEVERAL LOCALITIES FOR TREATMENT IN ISOLATION HOSPITAL.														
	Census 1891.	Estimated to middle of 1893.			1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11				
					Smallpox.	Scarlatina.	Diphtheria.	Membranous Croup.	FEVERS.						Typhus.	Typhoid.	Typhoid.	Typhoid.	Typhoid.	Typhoid.	Typhoid.	Typhoid.	Typhoid.	Typhoid.						
									Typhus.	Typhoid.	Typhoid.	Typhoid.	Typhoid.	Typhoid.											Typhoid.	Typhoid.	Typhoid.	Typhoid.	Typhoid.	Typhoid.
(a)	(b)	(c)	(d)	(e)	Smallpox.	Scarlatina.	Diphtheria.	Membranous Croup.	Typhus.	Enteric Typhoid.	Continued.	Relapsing.	Persistent.	Cholera.	Erysipelas.	Smallpox.	Scarlatina.	Diphtheria.	Membranous Croup.	Typhus.	Enteric Typhoid.	Continued.	Relapsing.	Persistent.	Cholera.	Erysipelas.				
CHARLTON	12122	12273	368	Under 5 5 upwds.	0 0	57 96	5 0	0 0	0 0	0 6	0 0	0 0	0 1	0 0	0 23	0 0	28 43	0 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0					
TOTALS	12122	12273	368	Under 5 5 upwds.	0 0	57 96	5 0	0 0	0 0	0 6	0 0	0 0	0 1	0 0	0 23	0 0	28 43	0 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0					

State here whether "Notification of Infectious Disease" is compulsory in the District—Yes. Since when?—*Notification Act*. Besides the above-mentioned Diseases, insert in the columns with blank headings the names of any that are notifiable in the District, and fill the columns accordingly. State here the name of the Isolation Hospital used by the sick of the District. Mark (H) the Locality in which such Hospital is situated; and if not within the District, state where it is situated.—*South Eastern Hospital, New Cross*.



METROPOLIS LOCAL MANAGEMENT ACTS.

CHARLTON.

SURVEYOR'S REPORT.

To the Board of Works for the Plumstead District.

GENTLEMEN,

1. I have the honour to submit to you my Annual Report, on the various works executed in the Parish of Charlton, during the year ending Lady Day, 1894.

2. During the year notices have been received of intention to erect in various parts of the Parish 50 additional dwelling houses, 1 bakehouse, and 1 workshop, besides application and plan for re-drainage of house known as "Hauraki." A memorial church and vicarage, iron schools, and temporary offices for fever hospital. The plans and applications for the drainage of the above buildings have been submitted to and approved by the Board, and all the drainage works have been properly laid and connected with the various main sewers in the localities in which they have been built.

3. A new church has been erected on the Woolwich Road next Charlton Lane, by Sir Spencer Maryon M. Wilson, Bart., in memory of his son—Frederick P. Maryon-Wilson, together with a vicarage in Charlton Lane.

4. The Gullies throughout the Parish have been periodically flushed and disinfected and are in good working order and condition.

5. The Marsh Ditches or Tidal Sewers under the control of the Board have been properly cleansed, flushed, and the banks regulated and put in proper order, and the Penstocks have had attention throughout the year.

6. A number of stoppages has occurred in private combined drains in various parts of the Parish, and in many cases it was found necessary to take up and relay the drains, all of which have been promptly attended to by the different owners and put in proper working order.

7. Under the New Act which came into force in January, 1892, all cesspools have to be emptied by the Board at the cost of the Ratepayers in general. 15 Cesspools have been emptied during the year at the cost of £23 14s.

8. Survey, plan, estimate, and schedule of owners and occupiers were prepared in duplicate and approved by the Board for the paving of Sundorne Road. The total length being 831 feet. The whole of this work has been done by the Parish workmen at the cost of £590 3s. 7d. estimated cost being £704 2s. 6d.

9. Surveys, plans, estimates, and schedules of the owners and occupiers with apportionments, have been prepared in duplicate and approved by the Board, for making up and paving Invarine Road and Fossdene Road. These works are about to be commenced.

10. The Dust Collecting Works have been carried out during the year by horses, carts, and men, employed by the Board by the day and at contract price, and very few complaints have

been made of these sanitary arrangements being in-efficiently carried out. The expenditure being £687 12s. 10d. But as the number of houses is increasing, and in order to fully carry out the requirements of the new Sanitary Acts it will eventually form a serious item of expense on the rates.

11. A number of trees has been purchased and planted in various roads in the Parish with proper stakes and guards.

12. A portion of the footpath on the North side of Woolwich Road has been properly formed, kerbed, channelled, and tar paved by the Board's workmen.

13. The East side of Charlton Lane has been greatly improved by Sir Spencer Maryon M. Wilson, Bart., giving up to the Parish a large portion of land.

14. The watering of the public roads and streets has been carried out during the past year for a length of about 10 miles by horses and men employed by the day at contract prices (£25 per mile for the season) from the mains of the Kent Water Company, and by two carts and four vans belonging to the Parish. The repairs and painting to water carts and vans have been done by the Board's own workmen this year at the cost of £63 9s. 5d. The total amount expended on Watering Account being £750 18s. 5d.

15. In pursuance of an order made by the London County Council, the houses in Old Dover Road have been renumbered under notices served by the Board to the occupiers.

16. Notices have been served by this Board upon all shopkeepers in the Parish warning them against sweeping their refuse litter, loose paper, &c., from their shops and premises across the footpaths into the roads.

17. Survey, plan, estimate, and schedule of owners and occupiers were prepared and approved by the Board for paving a certain portion of road known as Mount Pleasant, between Mount Street and Sand Street, the estimate being £47 1s. 4d.

18. Survey, Plan, Estimate and Schedule of Owners and occupiers were prepared and approved by the Board (but afterwards rescinded) for the making up and paving of Cresswell Park, Blackheath. The estimate being £182 7s. 4d.

19. The portion of Lee Road within the Parish of Charlton has had the old Random Ragstone chaunnelling taken up and relaid with granite pitchers, and the road re-metalled with granite.

20. A length of about 300 feet of the footpath on the north side of Woolwich Road has been formed and tar paved.

21. Improvements have been made during the year in compelling builders to construct Inspection Chambers at intervals on combined drains, also of the ventilation of drains.

22. The tar paving and the repairing, tarring and gritting of the footpaths throughout the Parish have been carried out by the Parish Workmen.

23. The applications that have been made to the London County Council during the year for laying out new roads and erecting buildings beyond the regular lines of frontage in existing roads have had much careful attention and such recommendations as the circumstances of each case required have been submitted to the London County Council from time to time.

24. The whole of the Urinals in the Parish accessible to the public have throughout the past year been kept clean and in proper order.

25. The Gas Lighting to the Public Lamps has been carried out by the South Metropolitan Gas Co. New Lamps have been erected during the year. Two lamps in Priolo Road, Two in Invarine Road, One in Fossdene Road, One in North Street, and Two in Anchor and Hope Lane, and a few existing lamps removed to better positions. The whole the Public Lamps numbering 275 are lighted, cleansed and maintained by the Company at Contract prices. The amount expended during the past year was £891 11s. 9d. including removals, &c.

26. The Highways, Streets, and Roads within the Parish, about 12 miles, have been thoroughly swept and cleansed throughout, and have been repaired and re-instated where found necessary with metalling of suitable kind, according to the respective localities.

The following is the quantity of Materials put upon the roads during the past year :

Granite	...	...	548 yards
Broken Flints	...	...	719 „
Broken Ragstone	...	...	204 „

27. Notices for opening roads and footpaths have been received during the past year from the Gas and Water Companies and private individuals, and the openings have been repaired by the Board's Workmen.

28. I have had to write many special reports and furnish information in reply to inquiries from Metropolitan Districts and Provincial Towns. The attendance at the Police Court and preparation of evidence in support of the Board cases, have also occupied much of my time.

29. On the 31st August the 3 inch Water Main belonging to the Kent Water Company burst near the concrete wall in Church

Lane, belonging to the Board, the water escaping passed underneath the retaining wall undermining it to a great extent, and washing a considerable amount of detritus into the garden grounds below. The concrete wall had to be underpinned, and the ground well filled in. The tar paving on the opposite side of the road had to be relaid. The whole of the works were done by the Parish Workmen at a cost of £86 0s. 0d. The Kent Water Company paying a portion of the amount.

30. As regards the extra labour for cleaning footways, roads, &c., of snow. The following are details: The number of additional men employed was 41, and the number of ordinary gangs was 10, making a total of 51. The cost of the extra men amounted to £20 14s. 6d. Carts were employed at Contract price in removing the snow, ballasting the roads and sanding footpaths. 587 loads were carted to the different shoots, the cost being £28 9s. 6d.

31. In conclusion many other matters concerning the Sewerage, Paving, Lighting, have occupied much of my time and attention during the past year, which need not be especially mentioned in this Report.

I am Gentlemen,

Your Obedient Servant,

JOHN ROWLAND, M.S.A.

Mem. of the Association of County and Municipal Engineers.

Surveyor to the Plumstead District Board of Works for Charlton.

Surveyor's Office,

Boards Offices,

Charlton Village.

METROPOLIS LOCAL MANAGEMENT ACTS.

CHARLTON.

SANITARY INSPECTOR'S REPORT.

To the Board of Works for the Plumstead District.

GENTLEMEN,

I beg to submit my Annual Report for the year ended 25th March, 1894.

No. of houses inspected	...	...	...	1533
„ Notices served to remedy sanitary defects	...	...	...	929
„ Notices served to abate nuisance				102
„ Defective traps remedied			...	51
„ Defective water supply to W.C.'s remedied	...	...	...	179
„ Sinks provided in wash-houses			...	14
„ Houses disinfected	...	...	...	88
„ Sinks direct with drains remedied				24
„ Water under floors remedied			...	13
„ Defective roofs remedied			...	104
„ W.C.'s whitewashed and cleansed				65
„ Premises cleansed (interior)			...	166
„ Yards paved and repaired	...		...	121
„ Foul and defective W.C.'s pans remedied	...	...	...	65

No. of Dilapidated wash-houses remedied	35
„ Defective water pipes repaired ...	73
„ Damp walls remedied	10
„ Dust bins provided	134
„ Defective spouting remedied ...	54
„ Foul dust bins remedied	61
„ Foul tanks cleansed	10
„ Combined cisterns abolished ...	27
„ Bad smells under floors remedied...	13
„ Defective drains under floors remedied	4
„ Stoppage of combined drains ...	39
„ Manure heaps removed	8
„ Foul pig-styes cleansed and repaired	2
„ Dirty urinals cleansed	11
„ Foul ditches filled up	1
„ Cow-sheds cleansed and repaired ...	6
„ Overcrowding	2
„ Animals removed causing a nuisance	7
„ No water for domestic purposes ...	14
„ An accumulation of refuse removed	12
„ Dungpits erected	3
„ Cesspools emptied	18
„ Smoke nuisance	1
„ Certificates issued for water supply to new houses	83

1. The Sanitary condition of the houses in this Parish has much improved during the past year, which no doubt is chiefly due to the frequent inspection of the premises, especially in the lower portion of the district.

2. I have frequently visited the premises of Butchers, Fishmongers, and Greengrocers, (especially during hot weather) and found them clean and in a satisfactory condition.

3. With regard to smoke nuisance, I have kept observation on factories and other places used for trade purposes, but with the exception of one or two cases I have seen nothing for my interference.

4. The dust has been collected in accordance with the Board's regulations, and very few complaints have been received.

5. The Bakehouses and Cowhouses have been visited, the whole of which are in a satisfactory condition. [see list over]

I am, Gentlemen,

Your obedient Servant,

T. CLARK,

Sanitary Inspector.

March 25th, 1894.

BAKE-HOUSES.

Name.				Address.
1.	Bigwood, C.	..	..	412, Woolwich Road
2.	Easley, F.	..	..	Cross Street
3.	Riddington, Mrs.	..	..	Blackheath Village
4.	Harper, J.	..	..	716, Woolwich Road
5.	Brown, E.	..	..	Coburg Place
6.	Lawrence, F.	..	..	West Street
7.	Dick D.	..	..	The Village
8.	Wright, G.	..	..	18, Church Lane

COW-HOUSES.

Name.				Address.	
1.	Chard, H.	..	..	..	Little Heath
2.	Creed, H.	..	..	..	Park Lane
3.	Pamment, S.	..	..	..	Woolwich Road
4.	Fox, G.	..	..	..	Bull Pits
5.	Bookham, T.	..	..	..	Lansdowne Road
6.	Prewett, T.	..	..	..	1, Church Lane

PURVEYORS OF MILK.

Name.				Address.
1.	Baker, S. J.	..	..	63, East Street
2.	Clark, J.	..	..	91, ..
3.	Wallington, C.	..	..	119, ..
4.	Bullin, W.	..	..	69, Harden's Manorway
5.	Rhodes, H.	..	..	Blackheath Village
6.	Quint, S.	..	..	The Village
7.	Evans, J.	..	..	Church Lane
8.	Palmer, H.	..	..	3 ..
9.	Hender, W. H.	..	..	478, Woolwich Road

METROPOLIS LOCAL MANAGEMENT ACTS.

ELTHAM.

MEDICAL OFFICER'S REPORT FOR THE THREE MONTHS ENDING DECEMBER 31st, 1893.

To the Board of Works for the Plumstead Disease.

GENTLEMEN,

1. I beg to submit my report for the 3 months ending Dec. 31st, 1893, during which time I have been Medical Officer of Health for the Eltham Division.

2. In that period there were 34 births, 16 male and 18 female, giving, on an estimated population of 5840, a birth-rate of 23 per 1000, calculated as for the year.

3. There were 32 deaths, 16 male and 16 female. 26 in Eltham itself, and 6 in "Outlying Institutions" of persons belonging to the parish. No deaths occurred in the district of those residing elsewhere.

D

4. These would give a death-rate of 21·9 per 1000, which is almost double that reported for 1892, viz., 11·2.

5. If, however, the whole year be taken the state of affairs does not appear to be so bad. The figures for that period are—

BIRTHS, 1893.

		<i>Male.</i>	<i>Female.</i>	<i>Total.</i>
Quarter ending 31st March	..	16	10	26
„ „ 30th June	..	13	14	27
„ „ 30th Sept.	..	19	29	48
„ „ 31st Dec.	..	16	18	34
		<hr/>	<hr/>	<hr/>
		64	71	135

DEATHS, 1893.

Quarter ending 31st March	..	6	11	17
„ „ 30th June	..	6	5	11
„ „ 30th Sept.	..	12	9	21
„ „ 31st Dec.	..	16	16	32
		<hr/>	<hr/>	<hr/>
		40	41	81

These figures give a birth-rate of 23·1; and bring down the death-rate to 13·7 for the year.

6. On the other hand, I find that the death-rate for 1892 was calculated on 66 deaths, in an estimated population of 5736. But there were 15 deaths in “Outlying Institutions,” which should as usual, I think, be added.

7. This method of calculation would show exactly the same number of deaths for each of the years 1892 and 1893, viz., 81; and would bring the rate for the former up to 14.1.

8. The mortality for the last quarter of 1893 was, however, excessive, and it may be accounted for in two ways.

9. *1st.* There were 8 deaths from Zymotic disease during that period; whilst in the other three quarters, put together, there were but 10.

DEATHS from Zymotic disease during 1893.

First Three Quarters.

No.	Date.	Residence.	Age.	Sex.	Disease.
1	Jan. 1	St. Margaret's, High St.	22 m.	M	Diphtheria
2	" 6	Well Hall Cottages ..	8 m.	M	Diarrhœa
3	Feb. 28	High Street	2	F	Measles
4	Mar. 11	Elm Terrace	22 m.	M	Whooping Cough
5	July 1	High Street	11 m.	M	Diarrhœa
6	" 8	Shooters' Hill	8 m.	F	do
7	" 8	Reventlow Road	19 m.	M	Measles
8	" 14	Bexley Road	22	M	Typhoid Fever
9	Aug. 16	Reventlow Road	5	M	Diphtheria
10	Sep. 12	Gaitshill Road	1	F	Diarrhœa

Fourth Quarter.

11	Oct. 3	Elm Terrace	2	M	Scarlet Fever
12	„ 15	S.E. Fever Hospital ..	3	M	do
13	„ 20	Novar Road	3 m.	F	Diarrhœa
14	Nov. 3	Winn Road	5	F	Diphtheria
15	„ 18	S.E. Fever Hospital ..	2	M	Scarlet Fever
16	„ 20	Back Lane	9	M	do
17	Dec. 6	Pelham Terrace	28	F	Puerperal Fever
18	„ 17	Park Farm Cottage ..	3	M	Diphtheria

10. *2nd.* Half the deaths of “persons belonging to the parish, which occurred elsewhere,” happened in the last quarter. So that, on the whole, it may be accounted an exceptionally unlucky period.

“DEATHS occurring outside the district among persons belonging thereto,” (in “Outlying Institutions.”)

First Three Quarters.

No.	Date,	Place.	Age.	Sex.	Disease.
1	April 7	Lewisham Infirmary ..	44	F	Burns—Inquest held
2	„ 29	do	38	M	Fall do
3	June 3	University College Hospital	22	F	Sarcoma
4	„ 17	Lewisham Infirmary ..	25	F	Pneumonia
5	Sep. 4	do	86	M	Senile Decay
6	„ 11	do	41	F	Myxœdema

Fourth Quarter.

7	Oct. 12	Lewisham Infirmary ..	6 m.	F	Tubercular Meningitis
8	„ 15	S.E. Fever Hospital ..	3	M	Scarlet Fever
9	Nov. 2	Lewisham Infirmary ..	2	M	Congestion of Lungs
10	„ 20	do ..	79	M	Chronic Bronchitis
11	Dec. 4	do ..	55	M	Pneumonia
12	„ 30	S.E. Fever Hospital ..	2	M	Scarlet Fever

SCARLET FEVER.

11. On the day after I received notice of my appointment by you, I visited the Public Offices at Eltham, and found about 20 notifications of recent cases of this disease.

12. As those affected were all young children, I visited the National and Infant Schools at Eltham, and found that the patients were nearly all scholars at one or the other of them—from the latter 36 children, out of 94, were absent.

13. On October 9th the Infant Schools were closed by the Rev. E. Sowerby.

14. As many of the sick as could be accommodated there were removed to the Hospitals of the Asylums Board; but it was a time of great pressure on them, and only 15 cases could be thus disposed of.

15. Disinfectants were liberally supplied, by the Sanitary Inspector, to the infected houses; and they were fumigated with sulphur as soon as the patients in them were pronounced convalescent.

16. The clothes also, which had been worn by the patients, or their attendants, were taken to be disinfected to the Board's apparatus at Plumstead.

17. The school authorities were asked not to allow any children to return to school, from an infected house, without a medical certificate—printed forms of which were provided by the Clerk for the purpose.

18. These measures were quickly followed by a subsidence of the epidemic, so that I thought it safe to advise that the School might be re-opened on November 6th. After that time there were only 3 fresh cases in Eltham proper, and they were removed at once to the Hospital.

19. There were 41 cases in all during the outbreak, and 4 deaths. The first case was in the child of the proprietor of a travelling van.

20. An expenditure of about £10 was incurred in carrying out these measures; but I hope you will be of opinion that it was money well laid out.

21. Perhaps I may be allowed to take this opportunity to thank the Medical Gentlemen who attended the cases for their

co-operation—especially Drs. Smith, White, and Ford—as without their aid it would have been impossible to stop the epidemic so promptly.

DIPHTHERIA.

22. There were two cases of Diphtheria notified during the 3 months, both of which resulted in death.

23. One was in the child of a caretaker at a house in Winn Road, Burnt Ash, where there was nothing particularly wrong about the drains.

24. The other was in a child at Park Farm Cottage. Here the arrangements were very insanitary, but have since been put right.

PUERPERAL FEVER.

25. A death occurred from this disease in December, at Pelham Terrace, of a woman removed from a cottage at Hayworth's Brickfield, New Eltham; fitly described, by Dr. Sturge who reported the case, as a "shanty."

26. The surroundings were very bad. There was a midden-privy close to the back door. The slops ran into a foul open ditch 30 feet away. Two pig-styes were at about the same distance. A large shed, in which upwards of 60 head of poultry (geese, ducks, and fowl) were kept, adjoined the cottage. So the yard must have been thoroughly fouled with excrement.

27. The cottage roof was in bad repair, and the walls were damp. The nearest water supply was from a stand-pipe of the Kent Water Works 160 yards distant.

28. The owner has been called upon to put these matters right.

INSUFFICIENT WATER SUPPLY.

29. In October it was reported to me, by one of the inhabitants, that 21 houses in Elm Terrace had closets without any water laid on to them. Also that there was a large and offensive dust-bin behind some of the houses. Notice was served on the landlord to abate these nuisances, and the work has been done.

BAKE-HOUSES.

30. In October I inspected the following bake-houses, and found them in a fairly satisfactory condition :—

Name.					Address.
1.	R. Humphrey	..	..	..	77, High Street
2.	Fredk. Claydon	..	..	..	94, do
3.	E. F. Scriven	..	..	..	114, do
4.	Chas. Hunt	..	..	..	47, do
5.	F. Cook	..	..	..	142, do
6.	F. G. Collinson	..	..	..	Foots Cray Road
7.	P. Hughes	..	..	..	do
8.	W. Worboys	..	..	..	do

31. In conclusion, I beg to apologise for sending in this report somewhat late. The delay has been occasioned by difficulty in procuring the returns of "deaths occurring outside "the district among persons belonging thereto" for the first^t three quarters of the year.

I have the honor to be,

Gentlemen,

Your obedient Servant,

THOMAS MOORE,

F.R.C.S. & D.P.H. Cambridge.

March, 1894.



K² 11. Table of POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, during the last quarter of the Year 1893, in the Metropolitan Sanitary District of Eltham, classified according to DISEASES, AGES, and LOCALITIES.

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 LOCALITY, COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.											NUMBER OF SUCH CASES REMOVED FROM THEIR HOMES IN THE SEVERAL LOCALITIES FOR TREATMENT IN ISOLATION HOSPITAL.																					
	Census 1891.	Estimated to middle of 1893.			1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11											
																											FEBRUARY.										
																											FEBRUARY.										
																											FEBRUARY.										
(a)	(b)	(c)	(d)	(e)	Smallpox.	Scarlatina.	Diphtheria.	Measles or Mumps.	Typhus.	Erysipelas.	Cholera.	Erysipelas.	Smallpox.	Scarlatina.	Diphtheria.	Measles or Mumps.	Typhus.	Erysipelas.	Cholera.	Erysipelas.	Smallpox.	Scarlatina.	Diphtheria.	Measles or Mumps.	Typhus.	Erysipelas.	Cholera.	Erysipelas.									
ELTHAM PARISH	5682	5840	34	Under 5	0	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
				5 upwds.	0	20	1	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0								
TOTALS	5682	5840	34	Under 5	0	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
				5 upwds.	0	20	1	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0								

State here whether "Notification of Infectious Disease" is compulsory in the District.—*Yes*. Since when?—*September, 1889*. Besides the above-mentioned Diseases, insert in the columns with blank headings the names of any that are notifiable in the District, and fill the columns accordingly. State here the name of the Isolation Hospital used by the sick of the District. Mark (H) the Locality in which such Hospital is situated; and if not within the District, state where it is situated.—*New Cross Fever Hospital*.



METROPOLIS LOCAL MANAGEMENT ACTS, AND
PUBLIC HEALTH (LONDON) ACT, 1891.

ELTHAM.

SURVEYOR'S ANNUAL REPORT FOR THE YEAR
ENDING 25TH MARCH, 1894.

*To the Chairman and Members of the Plumstead District
Board of Works.*

GENTLEMEN,

I beg to submit the following Annual Report of the various duties and works performed so far as relates to my department for the above parish.

SEWERS, DRAINAGE, AND CESSPOOLS.

1. The brick sewer 3' 6" \times 2' 9" from a point in the Eltham Road opposite Eltham Green, going under the Bexley Heath Railway to a point in the Woolwich Road about 100 feet North of Railway Bridge, has been constructed by the Bexley Heath Railway Company under the superintendence of an Inspector of the London County Council and is now complete.

2. The Court Road, Court Yard, Nos. 1 and 2 sewers are now under course of construction and are so far advanced that several houses once drained into cesspools have now been connected to them. The Contractors have experienced great difficulty in the digging in tunnels rendered necessary by the depth of the sewers, due to the nature of the soil which is of a hard shelly clay, necessitating the use of sledge hammer and iron wedges to excavate it. The strata through which the Court Road Sewer is laid varies considerably the greater portion being through the above hard shelly clay, other portions being through green sand and pit sand respectively.

3. The sewers generally throughout the Parish have been cleansed and flushed regularly by means of Automatic syphon flushing tanks and by the flushing van.

4. The various sewer ventilators have been kept in working order, and the gas furnace for an up draught in the ventilator at the head of the sewer in High Street kept constantly alight. No smells arising from manhole or ventilator covers have been perceptible from the Board's Sewers, nor have any complaints been made.

5. Plans and sections have been submitted for new sewers in Lannoy Road, New Eltham, and Meadowcourt Road, Eltham Road, which have both been approved by the Board and the London County Council.

6. The Sewer in Meadowcourt Road consisting of 620 feet of 12 inch stoneware pipes embedded in 6 inches thick cement concrete, has been constructed by the workmen of the Cator

Estate under my personal supervision, with the exception of the flushing tank and 6 inch ventilating column which are not yet finished.

7. The surface water drain in Southwood Road. East, being choked up with leaves, sticks, etc., I had it opened in two places and cleaned out and a manhole built, besides constructing two tumbling bays where the waters from the ditch at side of the road runs into the pipes.

8. There are 57 Cesspools as far as known in this parish, and 19 of these have been emptied by the Board at a cost of £30 16s. 3d. This work has been done principally by Plumstead Parish with their Cess-pool Apparatus, 4 have been emptied by Bexley Parish, and 5 done by your own workmen. There have also been several cesspools and privies emptied by the owners.

9. 17 Notices of intention to build and drain houses have been received during my term of office, and reported upon by me and approved by the Board.

10. Sixteen House drains have been laid and connected to the sewer during my term of office under my personal supervision.

GULLIES.

11. The gullies throughout the parish have been cleansed out regularly and flushed and disinfected.

12. Three new gullies have been constructed, 1 in High Street, and 2 in Court Road to replace the old obsolete and

defective gullies then existing. One gully has been repaired in Wellington Road. One gully in Court Road I found broken as also the discharge pipes. This necessitated opening completely up, down to the sewer 30 feet deep, and building in new pipes and surrounding them with concrete.

DISINFECTING.

13. £19 13s. 0d. has been spent in disinfecting premises and bedding, £11 11s. 0d. of that amount having been paid to Plumstead Parish for disinfecting bedding, etc., in their disinfecting apparatus.

DUSTING.

14. This is done by Contract for a sum of £150 per annum by Mr. Humphrey and only two complaints have been received during the past year.

HIGHWAYS.

15. 927 Cube yards of broken granite at a cost of £768 11s. have been laid down during my term of office in High Street, Eltham Road, Footscray Road, Victoria Road, and Shooter's Hill, and rolled in with your Horse Roller. Scoring the old surface, and carting blindings and water, being done with your own men and horses.

16. 363 Cube yards broken flints at a cost of £161 13s. 9d. have been laid down in Woolwich Road and Mottingham Lane during my term of office, and rolled in with your horse roller.

17. The blinding used for covering the above "metal" has been collected off the flint roads from time to time and stored at different places.

18. 200 Yards cube of hard core have been laid in the Woolwich Road to raise the middle where it had sunk owing principally to the traffic of the horses of the horse artillery, horses hoofs being more destructive to a road than wheel traffic

19. Kerbing and channelling have been laid down with proper returns to carriage entrances for a length of about 80 feet in front of "Harrowfield," Eltham Road, and completes a much needed improvement.

SNOW REMOVAL.

20. During last winter I had to engage 27 extra men and 10 extra horses and carts and drivers to clear the snow, the total cost of snow removal being £43 3s. 2d. After every fall of snow the horse snow ploughs were sent round the district and ploughed all the roads and streets. Hand snow ploughs were also employed to clear the pavements. The snow between Harrowfield and Eltham Bridge, Eltham Road, about $\frac{1}{3}$ of a mile in length drifted to a depth of 3 feet and entailed considerable labour in clearing the road.

21. Two of your horses having got beyond work. Two new horses were purchased at a cost of 65 guineas and the old ones sold for £10.

22. Under the Barbed Wire Act a list was made out of all owners having barbed wire fences abutting on Highways and a copy forwarded to the Clerk and dealt with by the Board.

23. A Fire occurred in the Parish Yard during the year due to tar taking fire while being heated for the purpose of preparing tar paving. The London County Council's Fire Engine from Shooter's Hill attended, but the fire was extinguished before it arrived. The damage was made good by the Fire Insurance Company.

24. After conferring with the Lee Surveyor and my reporting to the Board, it was decided to make up the Cabstand at Lee Green, at an estimated cost of £173, Eltham to pay one third, and Lee two-thirds of the cost, and that the Lee Surveyor should do the work.

25. The stone carts, slop carts, water vans and cart, as far as necessary have been repaired and repainted, and the hose for the water vans has also been repaired and made good.

26. A hand truck and three barrows have been made and supplied, and found to expedite the working arrangement of the men.

27. Numerous applications for road breaking have been received during the year, these have all been repaired by your own men, with the exception of the Gas Company's trenches who repair their own work. Accounts amounting to £21 5s. 7d. during my term of office have been rendered for this work and the money collected.

28. The South Eastern Railway Company have been approached and asked to put in crossings over their entrances to Eltham Station, but they have not seen their way to do anything up to the present.

29. Plan and application have been referred to the Board and passed for a new road called Meadowcourt Road leading out of Eltham Road and over the River Quaggy to Lee Road. This road has been constructed, but the bridge over the Quaggy instead of being 40 feet is only 38 feet wide. The London Council's attention was called to this, but they decided to let it remain as it was and no further action was taken.

30. The "Crown" having given up possession of a strip of land in Court Road for the purpose of widening it, they were asked instead of putting up the old unsightly wooden fence, to erect an unclimbable iron fence, which they agreed to do, and asked the Board to erect it, and charge them with the cost. This work has been done and makes a great improvement at that spot.

31. Several applications having been made to the London County Council to sanction erections beyond the general line of frontages, and having been submitted to the Board, were approved by the Board with the exception of shop fronts in Novar Road, New Eltham, but this application was granted by the Council.

LIGHTING.

32. The Gas Lighting throughout the parish is contracted for by the South Metropolitan Gas Company, there being 98 ordinary lamps, 86 long distance lamps, and 1 Sugg's 3-light burner lamp

33. Two new lamps have been erected during the year and three shifted to more advantageous positions.

34. The lighting has been carefully attended to, only two or three cases of lamps having failed to be lit coming under notice and that principally in the winter months due to the water in the pipes getting frozen.

WATERING.

35. The streets and roads have been thoroughly and periodically watered in the season by the Board's own horses and vans for a length of over 8 miles, by water from the Kent Water Company's mains, at the contract rate per mile, and disinfectants have been added and mixed with the water in the vans before sprinkling.

GENERAL..

36. There has been a considerable amount of illness among the Board's workmen during the year which has increased the expenses on Highways to some extent.

37. Cottages in Haworth's field, Merchland Road, were in the opinion of the Medical Officer unfit for human habitation, and under the instructions of the Board I prepared a report and specification of dilapidations required to make them habitable. After informing the owner by notice that unless this work was done a closing order would be applied for.—The owner had the necessary work put in hand.

39. Applications having been made to the London County Council for Cow-house at Lyme Farm, and Slaughter House at High Street.—On request of the London County Council for the Board's observations thereon, it was recommended that these licenses be granted.

40. The owner of the "Bungalow," Mottingham Lane, having requested the Board to obtain permission to drain his and other adjoining premises into the West Kent Sewer, it has been resolved that permission from the West Kent Main Drainage Board be obtained for these premises to be drained into their sewer.

41. The Board having resolved to construct a New Sewer in Park View Road, I have surveyed, levelled, and prepared plans, estimate, and apportionment, on the owners for this work.

42. The highways, streets, and footpaths, about 15 miles of roads, have been regularly swept both by hand and horse broom. 9 miles of the roads in this parish are principal roads, having a constant through traffic from London to the Country, and entails a heavy amount of care and supervision with a small staff, to successfully cope with the accumulations of mud, manure, and other rubbish that is constantly and daily deposited thereon.

44. The trees also entail a constant source of labour in the season due to the litter of leaves.

45. All the tar paving has been tarred over and dressed with shell, a length of about 14 miles.

46. There are numerous other matters of routine both in office work and outside, which have occupied the major portion of my time, and which are too numerous and trivial in themselves to mention particularly.

I am, Gentlemen,

Your obedient Servant,

ROBERT FINDLAY, A.M.I.C.E.,

Surveyor for Eltham Parish.

METROPOLIS LOCAL MANAGEMENT ACTS AND
THE PUBLIC HEALTH LONDON ACT, 1891.

ELTHAM.

SANITARY INSPECTOR'S REPORT.

To the Board of Works for the Plumstead District.

GENTLEMEN,

1. I beg to report upon the following matters for the year ending 25th March. 1894:—

Houses disinfected after infectious diseases	...	42
Water supply to W.C.'s	... ..	65
Defective supply to W.C.'s made good	...	6
Dust bins provided	... ..	59
Sinks disconnected and traps provided	...	11
Stopped drains remedied	... ..	6
Notices served	... ..	45
Overcrowding removed	... ..	1
Old houses drained	... ..	2

Houses disconnected from cesspools	...	...	8
Houses connected to sewer,	...	...	8
Cesspools filled up	...	...	8
Manure heaps removed	...	...	4

2. In accordance with the Committee's instructions where infections occurred disinfectants have been supplied.

3. In company with the Medical Officer of Health I have inspected the Bakehouses and found them in a clean condition, except one which had no proper water supply. Notice was served to provide water supply and the work has been carried out.

4. The following is a list of the same, also of Cow and Slaughter-houses :—

BAKEHOUSES.

Situation.				Occupier.
47, High Street	..	..	..	Charles Hunt
94, do	..	..	..	Frederick Claydon
114, do	..	..	..	Edwin Raff Scriven
77, do	..	..	..	Richard Humphrey
142, do	..	..	..	Frederick Cook
6, Brentwood Cottages, Foots Cray Road				F. G. Collison
13, The Parade, Foots Cray Road	..			W. Hughes & Sons
5, do do			..	B. Worboys

COW-HOUSES.

Situation.	Occupier.
Lyme Farm	Harry P. Russell
The Cottage, Mottingham Lane ..	Henry Jarvis
Eltham Lodge Farm	Thomas Keeler
Clay Farm	Richard Higgs
Cold Harbour Farm	Richard Higgs
Keightly House, Southwood Road, E.	Richard Pace
Southend Hall	John Green
Park Farm	John and Alfred Low
Middle Park	Maurice Bayley
Pipping Hall Farm	John Grace
Belmont Park Farm	E. Fisher & Son

SLAUGHTER-HOUSES.

Situation.	Occupier.
78, High Street	William Loney
168, do	Edwin F. Biggs

I am, Gentlemen,

Your obedient Servant,

DANIEL HARVEY,

Sanitary Inspector.

METROPOLIS LOCAL MANAGEMENT ACTS.

LEE & KIDBROOK.

MEDICAL OFFICER'S REPORT.

*To the Chairman and Members of the Board of Works for the
Plumstead District.*

GENTLEMEN,

1. I herewith submit my Annual Report on the Births, Mortality, and Sanitary state of the Parishes of Lee and Kidbrook for the year ending 31st December, 1893.

LEE PARISH.

2. In the Parish of Lee the Births amount to 332, being more by 31 than the previous year. The Birth rate per 1000 is 18.

3. The Deaths amount to 183, being more by 10 than the previous year. The Death rate per 1000 is 7.5.

4. The Deaths from Zymotic disease amount to 14 :—

Diphtheria	...	11
Typhoid Fever	...	1
Puerperal	...	1
Erysipelas	...	1

5. The number of cases of Infectious disease notified to me during the year were :—

Scarlet Fever	...	82
Small-pox	...	4
Diphtheria	...	30
Typhoid Fever	...	6
Puerperal Fever	...	1
Erysipelas	...	11
		—
		134

Forty-seven of these cases were removed to the Metropolitan Asylums Board's Hospitals in their ambulances.

6. The Bakehouses, 17 in number, have been visited by me twice during the year, and I have found them in a satisfactory condition.

7. It was found necessary to apply to the Magistrate at Greenwich for a closing order in the case of a cottage at Manor Lane, which was granted.

KIDBROOK.

8. In the Liberty of Kidbrook the Births amount to 13, being one less than the previous year. The Birth rate per 1000 is 6.5.

9. The Deaths amount to 56, being 8 less than the previous year. Of these 37 occurred in the Herbert (Military) Hospital, 7 in the Cottage Hospital, and 12 among the civil population. The Death rate per 1000 is 9.

10. The Deaths from Zymotic disease amount to 5 :—

Scarlet Fever	...	4
Erysipelas	...	1

All these occurred in the Herbert (Military) Hospital.

11. The number of cases of Infectious disease notified to me during the year were :—

Scarlet Fever	...	4
Continued Fever	...	1
Erysipelas	...	1
		<hr/>
		6

Three of these cases were removed to the Metropolitan Asylums Board's Hospitals in their ambulances.

12. The Sanitary Inspector is continuing his house to house visitation, and where defects are found they are at once remedied. There has been no occasion this year to apply to the Magistrate for an order.

13. The Deaths of 26 Parishioners of Lee and Kidbrook took place in outlying districts during the year.

I am, Gentlemen,

Your obedient Servant,

HERBERT C. BURTON,

M.R.C.S. Eng., L.R.C.P. Lond.

Lee Park Lodge,

Blackheath,

January 31st, 1894.



K² 11. Table of POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, during the Year 1893, in the Lee and Kidbrook Sanitary District of Plumstead Board of Works, classified according to DISEASES, AGES, and LOCALITIES.

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 LOCALITY, COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.											NUMBER OF SUCH CASES REMOVED FROM THEIR HOMES IN THE SEVERAL LOCALITIES FOR TREATMENT IN ISOLATION HOSPITAL.										
	Census 1891.	Estimated to middle of 1893.			1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11
Smallpox.	Scarlatina.	Diphtheria.	Membranous Croup.	Typhus.	Etiotic or Typhoid.	Continued.	Relapsing.	Intermittent.	Cholera.	Erysipelas.	Smallpox.	Scarlatina.	Diphtheria.	Membranous Croup.	Typhus.	Etiotic or Typhoid.	Continued.	Relapsing.	Intermittent.	Cholera.	Erysipelas.					
(a)	(b)	(c)	(d)	(e)																						
LEE	23541	23700	332	Under 5 5 upwds.	0 4	19 63	9 21	0 0	0 0	0 6	0 0	0 0	0 1	0 0	1 10	0 4	7 31	1 4	0 0	0 0	0 0	0 0	0 0	0 0		
KIDBROOK	2100	2150	13	Under 5 5 upwds.	0 0	0 4	0 0	0 0	0 0	0 0	0 1	0 0	0 1	0 0	0 0	0 0	0 3	0 0	0 0	0 0	0 0	0 0	0 0	0 0		
TOTALS	25641	25850	345	Under 5 5 upwds.	0 4	19 67	9 21	0 0	0 0	0 6	0 1	0 0	0 2	0 0	1 10	0 4	7 34	1 4	0 0	0 0	0 0	0 0	0 0	0 0		

State here whether "Notification of Infectious Disease" is compulsory in the District—*Yes*. Since when?—*November 1st, 1889* Besides the above-mentioned Diseases, insert in the columns with blank headings the names of any that are notifiable in the District, and fill the columns accordingly. State here the name of the Isolation Hospital used by the sick of the District. Mark (H) the Locality in which such Hospital is situated; and if not within the District, state where it is situated.—*New Cross Fever Hospital*.



METROPOLIS LOCAL MANAGEMENT ACTS.

LIBERTY OF KIDBROOK

SURVEYOR'S ANNUAL REPORT.

To the Board of Works for the Lee District

GENTLEMEN,

The following Report comprises the principal works that have been executed in the Liberty of Kidbrook during the past year ending 25th March, 1894.

1. Five applications for new buildings have been received during the past year, four of which, cottages in Kidbrook Lane, have had their W.C's. fitted with Moule's system of Earth closets, under the supervision of the Board's officers there being no sewer available for this purpose within the statutory distance of 100 feet.

2. No applications for license to erect hoardings and scaffoldings have been received during the past year within the Liberty of Kidbrook.

3. The roads, highways, and footpaths under the charge of the Board, about two and a half miles in length, have been regularly swept, cleansed, and repaired where necessary, and kept in proper order, as heretofore.

4. All the sewers and public water courses have had attention and have been regularly flushed and cleansed to keep same in good working order and condition.

5. The watering to the Public Highways and Roads has been carried out in the usual manner during the summer months by men and horses employed by the day at contract prices, and by one of the Board's watering vans, and the water obtained as heretofore from the mains of the Kent Water Works Company, at a contract price for the season, disinfectants being added during the summer months.

6. In compliance with the orders recently made by the Commissioners of Police for the removal of the cabstand from its existing position in Lee Road, Kidbrook, and the new site for the same having been arranged next the Quaggy River in Lee Road, the retaining wall necessary for the strengthening of the river bank at this point has been erected by contract, and the Board's workmen are now completing the paving of this new cabstand with granite pitchers and Norwegian edge kerb, upon a bed of Portland cement concrete, and the staging for the cabmen's shelter over the river will be provided by means of iron supports, the shelter being properly secured to the same.

7. The new road known as Meadowcourt Road, 1200 feet in length, and 40 feet in width, leading out of the East side of Lee

Road, near Lee Green, to the Eltham Road in the respective parishes of Kidbrook and Eltham, (one third being within Kidbrook Liberty), has been laid out and formed by and at the expense of the Cator Estate, the communication over the Quaggy being provided by a brick and iron girder bridge, also at the expense of the said estate.

8. Applications and plans for laying out a new road in extension of Kidbrook Park Road, Kidbrook, and being connected with Weigall Road, Eltham Road, have been received from Messrs. D. Smith, Son, and Oakley, upon behalf of Earl St. Germans, and approved by the Board and the London County Council respectively, such new road being about $1\frac{1}{4}$ miles in length, and 50 feet wide; also for laying down in this new road 1620 feet of 15-inch stoneware pipe sewer, 4114 feet run of 12-inch pipe sewer, 130 feet of iron pipe under the new Bexley Heath Railway now in course of construction, all such sewers being embedded in concrete, and to be carried out to the satisfaction of the Lee District Board's Surveyor; these sewers also having received the sanction of the London County Council and the Board, and this road opening up direct communication between the Parishes of Eltham and Kidbrook, and intersecting the said new line of railway at the site of the proposed new railway station, may be deemed an improvement of a most important nature.

9. The existing trees in the various roads have been properly pruned and re-tied, and the dead ones replaced where necessary; the guards also being repaired where needed from time to time.

10. The dust collecting has been carried out by the Board's horses, carts, and men, assisted as needed by horses and men

employed from contractors at a contract price, and the few complaints of non-removal of dust received, have had immediate attention in order to comply with the provisions of the Public Health (London) Act.

11. There are now 77 gas lamps in Kidbrook Liberty, 11 of which are long distance lamps, all being lighted and maintained by the South Metropolitan Gas Company at an annual contract price of £3 3s. 9d. per lamp for ordinary distance lamps, and £3 13s. 9d. for long distance lamps.

12. Many other matters not specially mentioned in this report have taken up much time and attention during the past year.

I am, Gentlemen,

Your Obedient Servant,

HENRY WOODS,

Surveyor for Kidbrook Liberty.

Parochial Offices,

Woodstock Road, Lee,

25th March, 1894.

METROPOLIS LOCAL MANAGEMENT ACTS.

LEE PARISH.

SURVEYOR'S ANNUAL REPORT.

To the Board of Works for the Lee District.

GENTLEMEN,

I have to submit to you my report upon the various work executed in the Parish of Lee during the year ending Lady Day, 1894.

NEW BUILDINGS AND DRAINAGE.

1. Notices of intention to erect and drain forty-one new buildings have been received during the past year.

2. Four applications have also been made for alterations and improvements to existing drainage, and the same have been carried out under proper supervision.

SEWERS.

3. All the existing brick and pipe sewers, about 16 miles in length, have been, where practicable, regularly flushed and cleansed; the surface water gullies have also been periodically emptied, cleansed and disinfected, and the Automatic Flushing Tank in connection with the Grove Park sewers has been kept in working condition, being discharged twice weekly during the whole of the year, and supplied regularly with disinfectants during the summer months in conformity with the Board's orders.

4. Five new manholes have been built in connection with the sewers in the following streets, thus enabling these sewers to be more frequently and efficiently flushed from time to time than heretofore:—

Butterfield Street	...	1
Summerfield Street	...	2
Ronver Road	... ..	2

Ventilating pipes have also been erected in connection with these sewers, where permission has been obtained, for carrying them up the adjacent buildings. It is also proposed to build additional manholes in connection with several other sewers throughout the District, where found to be necessary.

5. New pipe sewers have been laid down in the following new streets, upon the Firs Estate, together with a proper system of manhole ventilators and surface water gullies, to the satisfaction and under the supervision of the Board's officials:—

Names.	Total length.	Size.	Material.
	Feet.		
Lochaber Street	1734	12-inch.	Pipe & concrete.
Abernethy Street			
Rembrandt Road			

All the above being connected with the main brick sewer in High Road by the London County Council's workmen.

HIGHWAYS.

6. All the highways, streets, and roads throughout the Parish have been regularly swept and cleansed during the year.

7. Notices have been served upon the shopkeepers of the District during the past year, cautioning them against the prevalent practice of sweeping rubbish on to the public way, and obstructing the pavements by placing their goods thereon. Several of the tradesmen so offending have been fined by the Magistrate for this latter offence.

8. 596 notices of opening roads and footpaths have been received during the year from the Gas and Water Companies and private individuals, such openings being subsequently repaired by the Board's workmen from time to time.

9. About 18500 square yards of asphalte paving have been reinstated by the Brunwick Rock Asphalte Paving Co. in various parts of the Parish, in a satisfactory manner, as follows

Serial No.	Locality.	Yards.
1	Lee Road	2940
2	Burnt Ash Road	2284
3	Eltham Road	249
5	High Road	1876
5	Brightfield Road	819
6	Stoneyard Place	184
7	Effingham Road	399
8	Handen Road	485
9	Southbrook Road	703
10	Bromley Road	1165
11	Summerfield Street	337
12	Church Street	822
13	Dacre Street	1027
14	Lawn Terrace	268
15	Brandram Road	296
16	Burnt Ash Hill	762
17	Boone Street	657
18	Church Passage	133
19	Dacre Park	347
20	Quentin Road	90
21	Turner Road	254
22	Belmont Hill and Ivy Cottages	379
23	Belmont Road	201
24	Granville Road	250
25	Swiss Cottage Roadway	12
26	Sundries in various roads	1311
Total quantity taken up and relaid or thereabouts		18250

NEW STREET PAVING.

10. Surveys, plans, estimates, and approximate schedules of owners and occupiers were prepared and approved by the Board for the paving, kerbing, channelling, and roadmaking of Manor Lane, between Taunton Road and Handen Road. the whole of the work having been satisfactorily carried out by the Board's workmen, at the expense of the owners of land and property abutting upon this new street.

11. Plans, estimate, and apportioned schedules of owners and occupiers of a further extension of Newstead Road were also prepared, and being approved by the Board, the work was carried out by contract in a satisfactory manner.

PUBLIC IMPROVEMENTS.

12. The three new roads known as Lochaber Street, Abernathy Street, and Rembrandt Road, upon the Firs Estate, High Road, approved by the London County Council, have been laid out and formed by the House Property and Investment Company, in conformity with plans submitted and passed by the London County Council, and new pipe sewers (as elsewhere detailed in this report) have been laid and connected with the High Road main sewer, and these roads are being rapidly built upon.

13. Negotiations having been satisfactorily arranged with the owners of the above estate, a great and long needed improvement is now in course of completion by widening the High Road next this estate, and as the roadway, previously an average of 37 feet only in width; has now been increased to an average of 50 feet, the convenience arising therefrom cannot fail to be greatly appreciated by the public generally. The land necessary for this improvement, about 5300 square feet or thereabouts, in order to widen the road in question to an average width of 50 feet, between Belgrave Villas and the Old Road was purchased by the Board and the London County Council conjointly from the House Property and Investment Company Limited.

14. The extension of St. Mildred's Road from Birchgrove to Hither Green Lane, a length of about 1700 feet, has been

completed and opened for public traffic by and at the expense of Lord Northbrook, and has been taken over by the Board, who have erected public gas lamps throughout this roadway, this being a most important addition to the thoroughfares of the district, giving direct access to the Lee Cemetery and Lewisham District respectively.

15. New Fire Alarms have been erected by the London County Council at Grove Park, Bromley Road (junction with Burnt Ash Hill), also near Blackheath Railway Station, and the East side of Lee Road, for greater convenience of residents in case of sudden outbreaks of fire.

16. An improvement has been effected upon the East side of Burnt Ash Hill, between Lee Railway Station and Woodstock Road, by properly tarpaving the strip of foot-path between the Asphalte and the shops, by arrangement with the owners, who, on consideration of the Board taking over the future maintainance of this land, agreed to give up their interests in the same.

17. One new granite crossing has been laid down across the High Road, next the Bible Christian Chapel, in response to a memorial from the Pastor and congregation of this chapel.

RENUMBERING ORDERS.

18. An order having been made by the London County Council for the renumbering of the shops and houses upon the Eastern side Lee Road from No. 119 onward, which

order, after the service of the proper notices, has been complied with.

19. An order has also been made for renumbering and renaming the houses and premises in Granville Mews, Lee, for which notices were served in the usual manner, but in response to a general protest to the Council by the owners of property to be so renumbered, against retaining the name "Granville Mews," that portion of such order has been amended, and the whole thoroughfare will now be known as "Myron Place."

WATERING.

20. The efficient watering of the public highways, streets, and roads, about $16\frac{1}{2}$ miles in length, has been carried out as usual by the Board's horses, carts, and men, assisted by extra horses and men engaged at contract prices, as before, the water being supplied by the Kent Water Works Co. at a contract rate, and during the summer months disinfecting fluid has been regularly added for use upon the main roads. With reference to this department I have also to report that the painting work to the water carts and vans has been satisfactorily carried out by workmen employed by the Board.

APPLICATIONS, LINES OF FRONTAGE, &c.

21. The various applications made to the London County Council during the past year for erecting building and shop fronts beyond the general lines of frontages in existing

streets and roads have had careful attention, and such recommendations as the several cases required have been forwarded to the Council.

DUST COLLECTING.

22. In order to comply as far as possible with the requirements of the Public Health (London) Act, it has been found necessary to increase the number of collectors, and when complaints of non-removal of dust and refuse have been received, they have been promptly dealt with from time to time.

23. In consequence of the increasing difficulty experienced in disposing of the dust and refuse collected daily, the question of the erection of a destructor, as opposed to the schemes of sending away the refuse by rail and barge has occupied considerable time and serious attention, and at the present time, the facts and figures obtained at the cost of much enquiry point to the adoption of a destructor as likely to prove the most satisfactory and economical method of solving this difficulty, the preliminary measure of securing a suitable site with the minimum of opposition from neighbouring residents having yet to be satisfactorily arranged.

GAS LIGHTING.

24. There are now 443 public gas lamps in the Parish, the same being lighted, cleansed, and generally maintained by the South Metropolitan Gas Co. in a satisfactory manner at contract prices.

25. The obelisk has been fitted with Patent Balham Burners, similar to those in use in the High Road, and the top of the four lanterns glazed with opal, thus making a great improvement in the light given around this obelisk.

GENERALLY.

26. The Board have secured the wharf in Ravensbourne Creek known as "Norman's Wharf," at a yearly rental of £110 on a 7 years lease, this being found of the greatest convenience for the landing and storing of road metalling and other materials, and reduces the heavy charges previously paid for wharfage.

27. In consequence of the chaff cutting by hand being found to be a most costly and slow process, the steam roller has been brought into requisition, the old hand machine being removed, and a new patent chaff cutter fitted with proper levers, belt striking tackle, driving pulleys, shafting, and belting complete, now enabling the work previously taking twelve hours per week, to be done in two hours weekly, the cutting also being more efficiently carried out than hitherto, and the saving effected, and, amounting to 50 per cent. on the old system, or in other words a saving of £10 per annum upon the chaff cutting for the 12 hours.

28. With regard to the horses I have to report that the Board have had to dispose of five during the past year, and fresh horses have been bought to take their places at a total cost of about £230, but as these 5 horses were amongst

those originally purchased by the Parish some eleven years since, the Board cannot be regarded as unfortunate in this respect, the average age of these horses being 16 years.

29. The London County Council having, in response to the request of the Board, removed the horse, cart, and fire appliances from the Woodstock Road Yard, the shed in which the same were deposited has been properly lighted and fitted up with shelves, &c., for the purpose of a lock-up for disinfectants, and general store for the Sanitary Inspector's use.

RELIEF LABOUR.

30. In consequence of the snowfalls of the early part of January last, it was found necessary to employ extra labour for several days for the removal of snow as far as possible, both by manual labour and the use of snow ploughs, thirteen in number, the average number of extra men for six days, being 49, or a total of 294 men, the total cost of such labour being £60 4s. 3d. Additional horsehire for carting snow, &c., during a period of five days, 17 horses at 9s. 6d. per day being £40 7s. 6d. Sand and ballast for spreading upon roads and footpaths cost £17 10s., making a total extra outlay of £118, on account of these snowfalls.

GENERAL LABOUR.

31. The greatest number of men employed per week during the year, not including the staff or the relief labour above referred to, has been 70, the least has been 40,

average for the year being 50. This increased average is accounted for by the general increase of work in the Parish, and the fact of several of the various improvements and additional works (usually put out to contract) being executed by the Board's own workmen.

32. In conclusion, I have to draw the Board's attention to the great increase of work necessitated by the various new Acts now in operation, which, together with the general work of the Parish, which is steadily increasing from year to year, has added greatly to the work of my department, for which my principal assistant, Mr. Allen, is mainly responsible.

I am, Gentlemen,

Your Obedient Servant,

HENRY WOODS,

Surveyor for Lee Parish.

Parochial Offices,

Woodstock Road, Lee,

25th March, 1894.

METROPOLIS LOCAL MANAGEMENT ACTS,
AND THE PUBLIC HEALTH (LONDON)
ACT, 1891.

LEE AND KIDBROOK.

SANITARY INSPECTOR'S REPORT.

To the Board of Works for the Plumstead District.

GENTLEMEN,

I have to submit to you the following report upon the various matters relating to the Sanitary condition of these Parishes during the past year.

1. The several Slaughter-houses and Cow-houses within the district have been periodically visited, and the same generally found in a very satisfactory state. Alterations to the drainage have been carried out in one or two instances.

2. The Bakehouses within the district have also been visited, and improvements where required effected.

3. All houses in which infectious diseases have occurred, together with all bedding and general contents, have been thoroughly disinfected and purified throughout.

4. Three hundred and seventy notices have been served for the abatement of nuisances, which for the most part have been complied with.

5. The following is a list of the various works carried out :

	NUMBER
Sink, bath, and lavatory waster (disconnected)	201
Flushing power provided to W.C.'s	161
Water cisterns (dietetic) cleansed	41
Keeping of Swine within prescribed distance ...	3
Dustbins provided	91
Defective paving of back yards	16
Filthy premises	4
Reconstruction of defective drainage	51
Filthy houses	5
Reconstruction of W.C.'s	69
Accumulations of refuse, manure, &c.	9
W.C. soil pipes ventilated	111
Defective eaves spouting	7
Obstructions removed from drains	21
Yard drains efficiently trapped	43

Want of proper water supply	...	...	10
W.C.'s whitewashed and cleansed	...	...	31
Animals removed, causing a nuisance	...	...	3
Obstruction of urinal drains	...	...	5
Defective roofs remedied	...	...	3

6. As will be seen by above, the matter of drainage and Sanitary arrangements generally have received my attention.

7. I have paid frequent visits to the various premises of Butchers, Fishmongers, Greengrocers, &c., within the district (especially during hot weather) and with one or two exceptions have had no cause for complaint.

8. Several prosecutions have been instituted, in each case penalties inflicted.

LIST OF SLAUGHTER-HOUSES.

Owner.	Occupier.	Situation of Premises.
L. Dyer	L. Dyer	182, High road, Lee
Chandler & Sons ..	Chandler & Sons ..	187, do.
A. Munyard	A. Munyard	1, Weardale road, Lee
H. Cannon	H. Cannon	7, High road, Lee
Mrs. Watson	J. T. Dennis	272, do.

COW-HOUSES.

Owner.	Occupier.	Situation of Premises.
Earl of St. German's	S. Rogers	Kidbrook Manor Farm
T. Clarke	T. Clarke	Butterfield street, Lee
Bayton	— Abbott	Church street, Lee
Brown	C. Bowditch	College Farm, Burnt Ash Hill, Lee
Lord Northbrook ..	W. H. Carter	Burnt Ash Farm, Bromley road, Lee
Do.	Cordwell & Sons ..	Do.
Miss Waller	S. Upton	Durham Farm, Marvels lane, Lee
A. Roe	C. Winkworth	Marvels lane, Lee

I have the honour to be,

Gentlemen,

Your obedient Servant,

ROBERT WHITE,

(C.S.I. Great Britain),

*Sanitary Inspector for
Lee and Kidbrook.*

Parochial Offices,

Woodstock Road, Lee, S.E.

25th March, 1894.

ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH, PLUMSTEAD,
YEAR, 1893.

To the Plumstead Board of Works.

GENTLEMEN,

The following is my report for the past year :

A.—Vital Statistics.

BIRTHS.

1. There was an increase of 18 births as compared with last year. Presuming that the population continues to increase at the same rate as from 1881 to 1891, the birth-rate is diminishing. This is no doubt partly due to the general depression of trade, causing fewer marriages. Of the births 941 were females, 962 males.

DEATHS.

2. The death-rate 17·0 was high for Plumstead. The deaths from Scarlet Fever, Diphtheria, Measles, and Diarrhœa, were all in excess of those registered in recent years, Whooping Cough

alone of Zymotic diseases shewing a diminution. Influenza too was more prevalent than in any year except 1891, as is shewn by the annexed table:—

	Year end'ng March 1889	Year 1890	Year 1891	Year 1892	Year 1893
Deaths from Influenza	0	9	44	27	35
„ Bronchitis & Pneumonia	93	136	207	176	204
„ Phthisis	69	95	114	100	111
Total ..	162	240	365	303	350
Total deaths—all causes (uncorrected)	766	905	1046	919	1050

3. Whenever Influenza is epidemic the excess of deaths attributed to Bronchitis, Pneumonia, and Phthisis may be safely put down as really due to the Influenza. There were 47 more deaths from these causes last year than in 1892, and 88 more than in 1889. Thus comparing 1893 with 1892 and 1889, about one third of the excess of deaths may be attributed to Influenza.

4. The death-rate was 16·9 in West Plumstead and 17·0 in East Plumstead.

5. Comparing the *four quarters of the year* we see from Table II. that the last or Autumn quarter had the highest mortality, and December was the most fatal month, this being the time when Influenza was most prevalent.

INFANT MORTALITY.

6. The *Infantile death rate*, i.e., deaths under 1 year to 1000 births, was much higher than last year, being 141. In 1892 it was 109, and 1891, 129. The deaths under one year in each of the four quarters were 45, 53, 84, and 86 respectively. These figures indicate the probable causes of the high infantile death rate of the year, viz. : the prolonged hot weather of the summer and the Influenza in December. The Influenza appears to have been specially fatal to young children last year. The infantile death rate in the 4th quarter was the highest I have recorded, and slightly above the average for London.

7. The Infantile death rate was only 132 in West Plumstead, but in East Plumstead it was 143. This is doubtless due to there being a larger proportion of the educated and well-to-do classes in West Plumstead.

ZYMOTIC DEATH RATE.

8. The *Zymotic death rate* was 3·2. In the two preceding years it was 1·34 and 2·3 respectively. All the principal Zymotic diseases, from which this rate is calculated, with the exception of Whooping Cough, shewed an excess of deaths over last year. This rate exceeded the average of the London Sanitary areas.

UNCERTIFIED DEATHS.

9. The number of deaths which were not certified either by a medical practitioner or by a coroner was 30, being larger than in either 1891 or 1892. The percentage of total deaths was 3·0, as compared with 2·4 and 1·6 in the two preceding years.

Of the 30, 16 were under 5, and 14 over 5 years of age. These deaths were attributed to such causes as convulsions, heart disease, consumption (a baby), whooping cough (parents "peculiar people"), premature birth, hæmoptysis. But the attributed cause of death being given by a non-medical officer is not reliable; it is mere guess work. It seems very desirable that in all cases of death not attended by a medical practitioner an enquiry should be made by some specially appointed well qualified medical man. Only in this way is the real cause of death at all likely to be discovered, and crime prevented.

INQUESTS.

10. 45 Inquests were held, compared with 43 last year. They included 17 deaths from violence, the remainder being from "natural causes."

11. The deaths from violence included the following: Four suicides, one under a train, one by various poisons, and two by cut throats. Three by burns, two children, and one adult, the adult by upsetting a glass lamp. Six accidental cases of drowning, one being in a bath at the Infirmary, the rest in the Thames. Three from falls. Four infants from suffocation in bed.

12. Of the deaths from so-called "natural cases" five were caused or accelerated by alcoholic excess, one being a case of apoplexy, two hæmorrhage, and two diseased heart and liver. Two infants of single women died from neglect at birth, and one woman presumably attended by a midwife died from post-partum hæmorrhage. The death of a boy of 9 was attributed to convulsions from undigested food.

PHTHISIS.

13. The corrected number of deaths from Phthisis was 86. This gives a death rate of 1·4 per 1000, as compared with 1·2 last year. The increase is doubtless due to the greater prevalence of Influenza. The rate in England generally was 1·5 in 1891, In Woolwich it was 3·4 in 1889. So we see there is comparatively little Phthisis in Plumstead. There is more in West Plumstead than in East proportionally to population (the ratio being 8 to 5). I can only account for this on the supposition that the older houses are less healthy than the new ones, chiefly because more means have been taken to exclude damp in recently built houses.

MEASLES.

14. After Diphtheria, Measles was more fatal than any of the infectious diseases, causing 45 deaths, most of which occurred in East Plumstead in the spring quarter of the year.

DIARRHŒA.

15. Diarrhœa caused 26 deaths, all but 2 being in children under 5. This is the highest number recorded since 1888, and was no doubt mainly due to the remarkably warm summer which characterized the past year.

AGE DISTRIBUTION OF POPULATION.

16. Table IV. obtained by the kind permission of the Registrar General, gives the number living in Plumstead at the various groups of ages. From these I have calculated the following table to shew how the age distribution in Plumstead differs from that of England and Wales.

Numbers living at different ages per 1000 of total populations.

	Under 5	5-10	10-15	15-20	20-25	25-35	35-45	45-55	55-65	65-75	Over 75
England & Wales..	136	120	107	97	89	147	113	86	59	33	13
Plumstead	147	125	106	88	81	166	115	82	49	27	10

17. This Table is to be read thus : out of each thousand of the population there are under 5 years 136 in England and Wales, 147 in Plumstead ; between 25 and 35, 147 in England and Wales, 166 in Plumstead, and so on. From this Table it appears that Plumstead contains a specially large proportion of young children, and of persons between 25 and 35 ; the excess of young children is probably chiefly due to the low mortality of infants under 1 year, and the excess of persons between 25 and 35 to immigration of married men for employment in the Arsenal.

18. The death rates of different places depend in large measure on the distribution of the population, because people are much more liable to disease and death at the extremes of life, and least liable between 10 and 25. Thus the fact that the population of children under 5 is specially large in Plumstead would tend to cause an increased death rate, but the immigration of healthy workers between 25 and 35 would perhaps tend to diminish it. Judging from the great drop in the female population between 15 and 20 it appears probable that a large number of young women leave the district to enter service at that age. This again would tend to increase the death rate. On the whole, as regards any effect the age distribution may have on the death rate I think we may say Plumstead is fairly comparable with England and Wales.

INCREASE OF POPULATION.

19. The continual decrease in the birth rate in recent years suggests that the population does not increase so rapidly as it did. And assuming that there are now, as in 1891, only 6 people to a house, the population in the middle of last year would only be 55,608, instead of 58,093, as estimated on the assumption that the increase continued uniform. But it is more than probable that the number of persons to a house is now a little more than it was, say 6.25. I believe most of the houses built during the last few years are intended for two families at least, which means an average of 10 people. Further, the wish to live near the Arsenal is likely to cause an increase of persons in houses within a moderate distance.

20. On the whole I suspect that the estimate of 58,093 is a little over the mark but not enough to seriously affect the rates calculated from it.

21. Tables VIII and IX however are based on a population of only 57073, as estimated by the Registrar General.

COMPARISON WITH OTHER SANITARY AREAS OF LONDON.

22. From Table IX we see that only five other areas had a lower death rate than Plumstead, viz. : Lee, Lewisham, Wandsworth. Hampstead and St. George, Hanover Square. Six other areas had a lower infantile death rate, viz. : Lee, Lewisham, London City, St. Giles, Hampstead and St. George, Hanover Square. Diphtheria was more prevalent in Plumstead than in any other areas with three or four exceptions. Scarlet Fever and Measles were also higher than the average for London.

Probably the principal reason why the Zymotic death rate in Plumstead is usually proportionately higher than the other rates is that having a high birth rate and a very low infantile death rate there are a specially large number of children at the ages most susceptible to the infectious diseases.

B.—Infectious Diseases.

NOTIFICATION AND PREVENTION.

1. A total of 886 notifications was received by me during the year, compared with 160 and 790 in the two preceding years. This entailed 886 special visits by the Inspectors, besides a large number visited in addition by myself; it also involved a large amount of clerical work.

2. There was an increase under all heads except those of Scarlet Fever and Puerperal Fever.

SMALL POX.

3. There were 51 cases of Small Pox compared with 3 in 1892. 34 went to Hospital and 2 died. Of the 17 that did not go to Hospital 6 were cases of mistaken diagnosis. All but 5 of these cases occurred in the parishes of St. John and St. Nicholas. The disease was prevalent all over London and was supposed to have been carried here by tramps. It was very prevalent in the parts of Woolwich frequented by tramps. As Plumstead Road and High Street is the highway along which tramps would naturally pass in going through Plumstead either to the Workhouse or to the Woolwich lodging houses, and also the highway

between Woolwich and the parishes of St. John and St. Nicholas, it seems not unlikely that the inhabitants of these parishes suffered chiefly on account of meeting tramps in Plumstead Road and High Street, this disease being easily caught in that way. Some of the cases were distinctly traced to visits to Woolwich and other places where Small Pox was prevalent.

4. It is noteworthy that only two of the cases notified were under five years of age, and both these unvaccinated. As children are found to suffer more than adults in countries where vaccination does not prevail, this fact is a proof of the complete temporary efficacy of vaccination, and of the effectual manner in which the Plumstead population is vaccinated. This latter fact is also shewn by Table XII, for which I am indebted to Mr. C. Jolly, the vaccination officer.

5. The Plumstead Committee decided on my advice to publish bills recommending re-vaccination, but the Board at Charlton vetoed the recommendation. If all the population had been re-vaccinated there would have been no Small Pox. There is a widespread belief that disease is spread by vaccination; but it has been shewn by those who have experimented on themselves that it is very difficult indeed to cause disease in this way. Unfortunately many children inherit disease from their parents, and in such cases the compulsory vaccination is a convenient scape goat.

SCARLET FEVER.

6. There were 527 cases compared with 584 and 61 in the two preceding years. The epidemic of 1892 continued but with abated force. The disease was general over all the district, affecting St. James' and All Saints' parishes more than last year

and St. Nicholas less. There were more deaths than in 1892, probably owing to the fact that many who were taken ill in 1892 died in 1893, not to any increased fatality.

7. Burrage Grove and Bloomfield Road Schools had the largest number of cases.

8. 349 were treated at home and 178 at the Fever Hospital. Of the former 14 died giving a death rate of 4 per cent; of the latter 15 died giving a death rate of 8 per cent. No doubt the higher death rate at the Hospital is due to the fact that the most serious cases go there.

9. In only 35 cases (or 6 per cent) did the disease attack a second member of the household, and probably in most of these infection had taken place before preventive measures were taken. This is a proof of the great value of the work of the department.

DIPHTHERIA AND MEMBRANOUS CROUP.

10. The Diphtheria epidemic which commenced in the autumn of 1892 continued throughout 1893, but diminished towards the close of that year. There were 179 cases compared with 118 in 1892. St. James' parish was most affected in proportion to population, as in the three years preceding 1892, .6 per cent of the population being affected; in each of the other parishes (excepting Christ Church which had no cases) the percentage was only .3. In only 11 cases (or 4 per cent) did the disease attack a second member of the household. 52 of the cases of Diphtheria died, giving a death rate of 33 per cent, the same as last year.

11. Among those treated at home, 129 in number, 39 died, giving a death-rate of 30. Among those treated at Hospital, 28 in number, 14 died, giving a death-rate of 50.

12. None of the cases of membranous croup went to Hospital. As to the causes of the great prevalence of Diphtheria in Plumstead, and the comparative immunity of Woolwich, I can only repeat what I said last year, that I have found nothing but the manhole ventilators to account for it.

ENTERIC FEVER.

13. There were 29 cases of this disease compared with 22 last year. The cases were distributed all over the district as Table V. shews. There was however a much larger proportion of adult men affected than usual, and 12 out of the 29 were employed in the Arsenal. They worked in different departments: 3 in the Carriage Department, 2 in the Laboratory, 2 in the Naval Department, 1 Control, 1 Gun Factory, Sighting Room, &c. Even allowing that more than one half of the adult males in the parish are employed in the Arsenal 12 out of 29 is a very large proportion, remembering that this disease is more prone to attack children and young people.

14. In former years it has been possible to trace most of the cases of Enteric to infection caught outside the parish, but not so this year. In fact, in the case of all the men employed in the Arsenal I could find no likely source of infection, but the conclusion seems to me irresistible that the source, whatever its nature, was inside the Arsenal. Within the last week a case has occurred in which the patient stated that he was in the

habit of drinking water used for an engine, and drawn from the Arsenal Canal. I have also been informed that it is no uncommon practice to drink the water of this canal. As this water is liable to be polluted with the excreta of labourers working in its vicinity, it is very likely to contain the infection of Enteric Fever.

15. If men are so foolish as to drink this impure water the Arsenal authorities cannot be blamed for the result, provided they supply sufficient sources of pure water. I may add that I have been in communication with the Director General on the subject of Enteric Fever in Arsenal Employées; he instituted an enquiry and the Senior Medical Officer reported that there were no conditions in the Arsenal likely to give rise to Enteric.

CHOLERA.

16. An invasion of Cholera was again expected last year, and as a matter of fact the disease did seem to get a certain hold of the country. No cases occurred however in Plumstead. I was in communication with the County Council and the Asylums Board on the subject, and advised as to preparation for Ambulance Stations, &c. I also made arrangements to secure the services of trained nurses in case they were needed, and the Committee authorized me in the event of Cholera appearing to take any measures which I might deem necessary before I could consult them. I again issued the hardbill of precautions against Cholera published in 1892. The local registrars were requested to give me immediate information of any deaths from diarrhoea.

INFLUENZA.

17. When Influenza commenced to prevail in the Autumn a paragraph was inserted in the local papers on my recommend-

ation advising that those who were affected should remain in bed as the best way of getting through the disease themselves and preventing it from spreading to others.

USE OF THE FEVER HOSPITAL.

18. Of the 886 cases notified 245 went to Hospital, which is much the same proportion as last year. About the middle of the year the Arsenal Authorities adopted new regulations under which no employée is allowed more than one week's leave on account of having infectious disease in the house if the patient can be removed to a Fever Hospital. But unfortunately last year, as in 1892, for a considerable time the Hospitals of the Asylum's Board were full and there was much delay in the admission of patients. The good effect of the new rule has been seen since the year closed; during the last few weeks more than one half the cases notified have gone to Hospital.

19. Having heard certain complaints as to the way patients were treated in the Hospital I asked for and received permission to visit the Hospital, and satisfied myself that as regarded diet and medical care, and general management the South Eastern Hospital was everything that could be desired. I reported however to the Committee that the construction of the wards did not answer modern requirements, and that I thought also the nursing might be improved. But especially I advised that some steps should be considered by which the Sanitary Authority might be brought in to closer touch with the Asylums Board. It seems an anomaly that Sanitary Authorities are quite without representation on this Board.

THE NEW FEVER HOSPITAL.

20. A Local Government Board Enquiry was held in Woolwich on the proposed New Hospital in Shooter's Hill Road, and I attended and gave evidence in favour of the proposal. The Hospital is now in course of erection and I think it is great cause for congratulation that we shall have a Hospital so near to us. Instead of its being a source of infection as many fear, it should be just the opposite: by collecting all infectious persons within its walls from the neighbourhood it diminishes the risk of their spreading infection by being at large.

THE HEALTH REFUGE.

21. A house has been taken and furnished as a shelter for families requiring accommodation while their rooms are being disinfected. So far it has been used in only one case.

C—Sanitary Work.

WATER SUPPLY.

1. The water of the Kent Company's well in Park Road was, on my request, analysed by the Board's Analyst, and reported to be of excellent quality.

2. It will be remembered that in 1891 the question of this well was investigated by General Scott, the Local Government Board Inspector, and that after analysis he reported that though at the present time the water of the well is pure and good drinking water, the analysis, compared with previous ones, shews that the water is changing in its character in a way that proves an increasing impregnation of the soil with organic matter. Having

compared Professor Smith's recent analysis with the former ones I am pleased to be able to report that the water shews a marked improvement in this respect, the Nitrates, Nitrites and Ammonia having all diminished.

3. My attention was called during the year to two improper sources of drinking water; one a shallow well in close proximity to a cesspool at some tea gardens, the other a spring unprotected from surface drainage and pollution.

4. The Kent Water was already laid on at the tea gardens, and a Magistrate's order has been applied for to close the well. The spring has been protected from pollution by masonry, and the family who used it now obtain their drinking water elsewhere, using the spring only for washing purposes.

SEWERS AND SEWER VENTILATION.

5. This subject occupied the attention of the Sanitary Committee and myself to a considerable extent last year, partly on account of my having in my last Annual Report given reasons for connecting the prevalence of Diphtheria with manhole ventilators, partly on account of the large number of complaints of nuisances from the ventilators. The long drought of the summer left the sewers without their natural means of flushing. I accordingly advised systematic flushing with water carts and hose, and suggested that the provision of automatic flushing apparatus should be considered for some sewers. At the commencement of the year too, I strongly recommended the Board to provide shaft ventilators as a cure for stench from manholes, and that these ventilators should be properly jointed and carried 5 feet above

any windows within a horizontal distance of 20 feet. The internal diameter of shaft ventilators should be at least 4 inches. Very few have yet been erected, owing no doubt to the difficulty of obtaining suitable positions.

6. When ventilator shafts do exist it is often proved that they are improperly jointed, allowing the escape of sewer gas below windows.

CEMETERY AND CHURCHYARD.

7. I have inspected the Cemetery in Wickham Lane and found it well conducted and the regulations properly carried out.

8. I wish the same could be said of the Churchyard. It would occupy too much space to tell the whole story of the ineffectual struggle to prevent the scandalous misuse of the Churchyard which still continues. I will only say that among other means taken to this end a public inquiry was held at the Old Church, by Dr. Hoffman, Her Majesty's Inspector of Burial Grounds. The evidence given by the Clerk, the Chief Sanitary Inspector, and myself convinced Dr. Hoffmann that there had been a persistent and flagrant disregard of the old regulations, and that the Churchyard was three times as full as it ought to be. It was understood by those present that Dr. Hoffman was in favour of forbidding any more interments except those of relatives, but when the new regulations came down they were found not to differ from the old ones except in certain details as to notices being given. And so a public scandal and condition dangerous to health continues; patronised apparently by the Home Office.

THE MORTUARY.

9. Early in the year I communicated with the Coroner for West Kent as to the fitting up of the mortuary in the Churchyard, and at his suggestion visited a model mortuary at Bermondsey. The Board, on my report, had the existing mortuary renovated and fitted with gas, lavatory, shells and other requisite apparatus, and engaged the services of a caretaker. But the existing mortuary, consisting of only one small room, is quite inadequate

10. The Board authorised me at the commencement of the year to employ an undertaker to remove a dead body to the mortuary at any time when I deemed such removal necessary, either on account of infectious disease, or under S. 89 of the Act, where a dead body is retained in a house so as to endanger the health of the inmates. During 1893 I did not have occasion to use this authority, but several times I succeeded in persuading persons to bury the bodies of those who had died of infectious disease, without the delay which unfortunately is too much the custom.

BOARD AND CHURCH SCHOOLS.

11. I continued my inspection of Board Schools, begun when the Diphtheria prevalence commenced. I saw in company with the chief Sanitary Inspector, Vicarage Road and Orchard Road Board Schools, and called the attention of the School Board to certain sanitary defects, some of which have since been remedied. We also inspected St. Margaret's and All Saints Schools, with the result of their Sanitary conveniences being much improved; these were in the former instance in a very bad condition. I also visited the new schools in connection with St. Peter's Roman Catholic Church; these I found on the whole very satisfactory.

BAKEHOUSES.

12. I have inspected the bakehouses as usual in April and October, and can only repeat what I said last year, viz.: that they maintain the former standard as to sanitary conditions, but this standard can hardly be a high one until it is made compulsory for them to be certified as fit for their purpose before occupation

CESSPOOLS.

13. I am glad to be able to report a considerable reduction in the number of cesspools existing in the district. Only 81 are now being emptied by the Surveyor, as compared with 284 a year ago. The reduction is mainly due to the new sewer at Abbey Wood.

14. My attention was called in the summer to a serious nuisance on the Heathfield estate, caused by the overflowing of cesspools into a ditch which passes into a pond. One of the cesspools was found not to be watertight. I reported on the matter at the time, and the nuisance is now kept under by emptying the cesspools about once a week. But there will be no satisfactory abatement until the cesspools are replaced by a sewer. This is I believe under the Committee's consideration. This nuisance was aggravated by the fact that the ditch in question flows under a roadway made of house refuse, which continually slides into the ditch.

DUST SHOOTS.

15. *Dust Shoots* in improper places have as in former years been the subject of several reports to the Board. By the Bye-laws of the County Council it is now forbidden to deposit house

refuse within 300 yards of houses, and seeing the very large amount of unoccupied ground within the parish which could be used for this purpose without infringing the bye-law I would strongly urge that ground be taken for the purpose without delay, and house refuse not allowed to be used in any other place.

DRAINS.

16. It is to be feared that a very large proportion of the house drains in the district are defective and faulty. Table XI. giving the Sanitary Inspector's work, shews the large number of stoppages that occurred, and the number of defective drains found, viz. : 339. 11 Combined drains were taken up and relaid. In one case there was found a large hole in a drain pipe, through which the water escaped, causing the drain to get blocked with excreta. Notice was served to repair the drain. When the Inspector called to see if the work had been properly done he found the drain covered in, but he had it uncovered and found that the defect had been repaired by laying a broken piece of drain pipe loosely on the top of the hole. For this the man who did the work was summoned and fined £5 and costs. Again the drain was repaired, and again the work was found to be scamped, Another prosecution was undertaken, this time the landlord being made defendant. But as he succeeded in partly throwing the blame on someone else he escaped with a penalty of 40s. and costs. Finally the work was effectively done.

17. The question suggests itself, if drain work is done in this way while the inspectors are watching it, and even after imposition of a fine what must be the condition of most drains in the parish.

18. The remedy is to test every new drain and every drain that is relaid and repaired before it is allowed to be covered in, as I suggested in my first Annual Report. The Committee have recently purchased a very excellent smoke testing machine, but it still remains to make arrangements for one man to be employed in testing every new drain.

OFFENSIVE TRADES.

19. A person was found by the Chief Inspector to be carrying on the business of tripe boiling without the sanction of the County Council, in breach of S. 19 of the Public Health Act. The Council being informed proceedings were taken, and a fine of 40s. and cost inflicted.

UN SOUND FOOD.

20. Five seizures of unsound food were made by the Inspectors, three being meat, one tomatoes and one onions. These were all condemned on being seen by the Magistrate, and a fine inflicted in each case.

FACTORIES.

21. I inspected two clay pipe factories. In one the sanitary conditions were found satisfactory. In the other the ventilation did not appear to me quite sufficient and the proprietor was advised as to making it more efficient.

THE ARSENAL DITCH.

22. The ditches on the levels in the immediate neighbourhood of the new football ground have been in a dirty and insanitary condition since the opening of that ground, the neighbouring

inhabitants having found they were a convenient receptacle for dead cats and dogs and other refuse. One ditch has been piped in by the football club, but the one along the Arsenal wall, belonging to the Crown, continues to be a nuisance, and so far, in spite of repeated applications, the Arsenal authorities have refused to undertake any permanent remedy.

OVERCROWDING.

23. Table XI. shews that 22 cases of overcrowding were discovered by the Inspectors, in all of which I visited the houses and directed what measures were to be taken. With one or two exceptions they were all cases of overcrowded sleeping rooms only, and the standard of minimum air space required per head was taken as 300 cubic feet. For many cases it was found sufficient to advise a re-arrangement of sleeping accommodation, such as the use of living rooms for sleeping by older children. In other cases notices were served, involving the seeking by the family of a new house. These are difficult cases to deal with, as being usually due to poverty the people cannot pay for more accommodation, and if turned out of one house will probably go and overcrowd another.

24. Where there is overcrowding the people and their rooms are usually dirty. They are almost invariably occupants of houses let to more than one family. For this reason I recommended the Board to adopt the L. G. B. Model Bye-laws for lodging houses or else to put in force the Bye-laws which the Board adopted many years ago. I consider that this course would facilitate dealing with cases of overcrowding and would make it easier to enforce cleanliness.

25. My recommendation was rejected and repeated more than once, the Board appearing to have a fear that it was intended to enforce a wholesale registration of all houses let in lodgings. But when it was made clear that permission of the Sanitary Authority was requisite for the registration of each separate lodging house, the Board finally decided it was advisable to adopt some bye-laws but deferred the matter for the Vestry to deal with as soon as it came into power.

COUNTY COUNCIL BYE-LAWS.

26. These bye-laws were issued in the middle of the year and I lost no time in calling attention to the importance of many of the provisions they contained. One of these is that house refuse shall be collected at least once a week. The practice of the Plumstead Committee is to have a weekly collection where the dust is brought out by the occupiers, but if the dust is not brought out its collection depends very much on the activity of the Sanitary Inspectors.

27. The weekly collection system will very shortly be in operation over the whole district, but unfortunately there is no power to compel householders to bring out their dust unless the collection is daily. This is to be regretted: a bi-weekly collection would be in my opinion sufficiently often in Plumstead. The fault of the system as it works at present is that the dust is left at the very houses where it is most important it should be regularly removed, viz.: the dirty houses occupied by slovenly people who will not take the trouble to bring it out.

28. The bye-laws also contain full and particular regulations as regards the mode of construction of waterclosets, soil pipes, drains, &c.

29. I advised the Board that it was very important these should be immediately made known to builders; I also drew up an improved list of instructions to builders based on the bye-laws, but it was thought better to leave this matter till the Vestry came into power, and I believe no steps have yet been taken to make the bye-laws known.

NEW INSPECTORS.

30. In the latter part of the year I reported to the Committee that the Inspector for West Plumstead was inefficient and in consequence he was called on to resign. The Inspector for East Plumstead also resigned. As a result two new appointments were made in January 1894, and on the request of the Committee I reported on the suitability of the different candidates. Messrs. Martin and Rance were chosen. Both hold the certificate of the Sanitary Institute and have had some previous experience in the duties of the post.

31. Mr. Duck, Chief Inspector, and Mr. Ellis, Sanitary Clerk have continued to perform their duties with untiring devotion.

I have the honour to remain,

Gentlemen,

Your obedient Servant,

SIDNEY DAVIES.

TABLE I.—Summary of Statistics for 1893, compared
with Registration London.

	Plumstead.	London.
1. Area	3,388 acres.	77,410 acres.
Houses (assessed to middle of 1893) ..	9,268	
Number of Persons to a House	6·2	7·6
2. Population—census 1891	52,436	4,221,452
Population estimated to middle of 1893..	58,093	4,306,411
Deaths—corrected	990	91,536
Death-rate per 1000	17·0	21·3
Births.. .. .	1,914	132,965
Birth-rate per 1000	32·9	31·0
Natural increase of Population	924	
Estimated Increase	2,513	
3. Death-rate—1891	17·3	22·5
„ 1892	15·2	20·3
„ 1893	17·0	21·3
4. Zymotic Death-rate	3·2	3·1
Deaths under 1 year to 1000 births ..	141	164
5. Uncertified Deaths—per cent of total deaths	3·0	0·9
Deaths from Violence	22	
Inquest cases	45	

hs for each Quarter and the whole Year.

[illegible]

TABLE III.

(A.) Table of DEATHS during the Year 1893, in the Plumstead Parish, Sanitary District of London, classified according to DISEASES, AGES, and LOCALITIES.

NAMES OF LOCALITIES adopted for the purpose of these Statistics; public institutions being shown as separate localities. (Columns for Population and Births are in Table B.)	MORTALITY FROM ALL CAUSES, AT RESUMED AGES.							MORTALITY FROM SUBJOINED CAUSES, DISTINGUISHING DEATHS OF CHILDREN UNDER FIVE YEARS OF AGE.																								
	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.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
									Smallpox.	Scarlatina.	Diphtheria.	Measles and Whooping Cough.	FEVERS.					Cholera.	Erysipelas.	Malaria.	Whooping Cough.	Diphtheria and Membranous Pharyngitis.	Dysentery.	Rheumatic Fever.	Ague.	Phthisis.	Bronchitis.	Pneumonia.	Heart Disease.	Injuries.	All Other Causes.	TOTAL.
													Typhus.	Enteric Typhoid.	Continued.	Relapsing.	Intermittent.															
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	Smallpox.	Scarlatina.	Diphtheria.	Measles and Whooping Cough.	Typhus.	Enteric Typhoid.	Continued.	Relapsing.	Intermittent.	Cholera.	Erysipelas.	Malaria.	Whooping Cough.	Diphtheria and Membranous Pharyngitis.	Dysentery.	Rheumatic Fever.	Ague.	Phthisis.	Bronchitis.	Pneumonia.	Heart Disease.	Injuries.	All Other Causes.	TOTAL.
WEST PLUMSTEAD	238	59	24	14	12	70	59	Under 5	0	1	5	0	0	0	0	0	0	0	0	0	2	6	5	0	0	0	17	0	0	47	83	
								5 upwards.	0	2	6	0	0	0	0	0	2	0	0	0	0	0	1	2	0	26	34	22	1	59	155	
EAST PLUMSTEAD (Exclusive of Infirmary)	624	201	135	44	36	112	96	Under 5	0	7	14	14	0	0	0	0	0	0	0	0	39	15	19	0	0	2	66	0	4	156	236	
								5 upwards.	1	4	11	0	0	5	0	0	1	0	2	4	0	1	5	0	45	56	32	5	118	288		
UNION WORKHOUSE & INFIRMARY	188	11	5	2	12	80	78	Under 5	0	0	3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	30	16	
								5 upwards.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	40	31	12	10	77	172		
TOTALS	1050	271	164	60	60	262	233	Under 5	0	8	22	14	0	0	0	0	0	0	1	41	21	24	0	0	2	83	0	6	213	435		
								5 upwards.	1	6	17	0	0	5	0	0	3	0	3	4	0	2	8	0	109	121	66	16	254	615		

The subjoined numbers have also to be taken into account in judging of the above records of mortality.

Deaths occurring outside the District among persons belonging thereto.	80	3	19	16	9	26	7	Under 5	0	9	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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TABLE IV.

Age Distribution of Population.

CENSUS 1891.

	Ages.	Males.	Females.	Persons.
Total all ages ..		26246	26190	52436
	0-1	803	827	1630
	1-2	717	764	1481
	2-3	745	821	1566
	3-4	777	743	1520
	4-5	761	771	1532
	5-10	3355	3222	6577
	10-15	2783	2821	5604
	15-20	2401	2215	4616
	20-25	2144	2150	4294
	25-30	2301	2334	4635
	30-35	2108	1981	4089
	35-40	1631	1695	3326
	40-45	1328	1377	2705
	45-50	1193	1076	2269
	50-55	1050	997	2047
	55-60	738	712	1450
	60-65	572	551	1123
	65-70	353	444	797
	70-75	267	368	635
	75-80	132	180	312
	Over 80	87	141	228

TABLE V.

(B.) Table of POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS SICKNESS, coming to the knowledge of the Medical Officer of Health, during the Year 1893, in the Plumstead Parish Sanitary District of London, classified according to DISEASES, AGES, and LOCALITIES.

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 LOCALITY, COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH.											NUMBER OF SUCH CASES REMOVED FROM THEIR HOMES IN THE SEVERAL LOCALITIES FOR TREATMENT IN ISOLATION HOSPITAL.																
	Census 1891.			1	2	3	4	5	6	7	8	9	10	11	Total.	1	2	3	4	5	6	7	8	9	10	11	Total.				
				Smallpox.	Scarlatina.	Diphtheria.	Membranous Croup.	FEVERS.						Typhus.		Cholera.	Erysipelas.	Smallpox.	Scarlatina.	Diphtheria.	Membranous Croup.	FEVERS.						Typhus.	Cholera.	Erysipelas.	
								Typhus.	Enteric or Typhoid.	Continued.	Relapsing.	Puerperal.	Typhus.									Enteric or Typhoid.	Continued.	Relapsing.	Puerperal.						
(a)	(b)	(c)	(d)																												
ST. JAMES	4696	..	Under 5	0	20	10	0	0	0	0	0	0	1	31	0	4	3	0	0	0	0	0	0	0	0	7					
			5 upwds.	0	36	18	0	0	4	0	0	0	9	67	0	12	5	0	0	0	0	0	0	0	0	17					
ST. MARGARET	12550	..	Under 5	0	27	5	4	0	1	0	0	0	1	38	0	6	0	0	0	0	0	0	0	0	0	6					
			5 upwds.	3	72	23	1	0	6	0	0	1	0	23	129	2	32	2	0	0	1	0	0	0	0	37					
ALL SAINTS	5966	..	Under 5	0	8	6	1	0	0	0	0	0	0	15	0	3	0	0	0	0	0	0	0	0	0	3					
			5 upwds.	2	66	12	0	0	0	0	0	1	0	5	86	2	22	2	0	0	0	0	0	0	0	26					
ST. JOHN	5752	..	Under 5	0	17	4	5	0	0	0	0	0	1	27	0	6	0	0	0	0	0	0	0	0	0	6					
			5 upwds.	17	49	9	1	0	2	0	0	0	0	7	85	9	11	2	0	0	0	0	0	0	0	22					
ST. NICHOLAS	23207	..	Under 5	2	70	23	8	0	0	1	0	0	0	5	109	0	15	5	0	0	0	0	0	0	0	20					
			5 upwds.	26	143	37	2	0	15	2	0	3	0	39	267	20	66	7	1	0	1	0	0	0	0	95					
CHRIST CHURCH	262	..	Under 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
			5 upwds.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
WORKHOUSE .. .. .		..	Under 5	0	10	4	0	0	0	0	0	0	0	14	0	2	0	0	0	0	0	0	0	0	0	2			
			5 upwds.	1	4	0	0	0	0	0	0	0	0	5	1	0	0	0	0	0	0	0	0	0	0	1					
INFIRMARY .. .. .		..	Under 5	0	1	4	0	0	0	0	0	0	0	5	0	0	1	0	0	0	0	0	0	0	0	1			
			5 upwds.	0	4	2	0	0	1	0	0	0	0	1	8	0	1	1	0	0	0	0	0	0	0	2					
TOTALS	52436	1914	Under 5	2	153	56	18	0	1	1	0	0	0	8	239	0	36	9	0	0	0	0	0	0	0	45					
			5 upwds.	49	374	101	4	0	28	2	0	5	0	84	647	34	144	19	1	0	2	0	0	0	0	200					

State here whether "Notification of Infectious Disease" is compulsory in the District—*Yes*. Since when?—*Notification Act, 1889*. Besides the above-mentioned Diseases, insert in the columns with blank headings the names of any that are notifiable in the District, and fill the columns accordingly. State here the name of the Isolation Hospital used by the sick of the District. Mark (H) the Locality in which such Hospital is situated; and if not within the District, state where it is situated.—*South Eastern Hospital, New Cross*.



TABLE VI.
SCARLET FEVER AND DIPHTHERIA.

	Total Cases.	AGE.					SEX.		Houses with 1 Case	Houses with 2 Cases	Houses with 3 Cases	No. to Hospital	Ancona Road.	Earl Street.	Vicarage Road.	Plumstead Road.	Perrett Road.	Bloomfield Road.	The Shade.	Porridge Grove.	Church Terrace.	Edington Road.	Total Cases in Schools
		Under 1	1 to 5	5 to 10	10 to 20	Over 20	Males	Females					On Roll	On Roll	On Roll	On Roll	On Roll	On Roll	On Roll	On Roll	On Roll	On Roll	
SCARLET FEVER	527	12	140	192	153	30	268	259	527	35	17	178	44	23	45	41	26	58	23	67	11	27	365
DIPHTHERIA AND MEMBRANOUS CROUP	179	4	63	59	30	23	87	92	179	11	9	29	11	8	14	17	8	36	9	27	..	3	133



TABLE VII.

Summary of the Vital Statistics of the Parish of Plumstead, 1885-1893.

Year.	Estimated Population middle of year.	Births.	Deaths.	Annual Rate per 1000 living.			Deaths from Principal Zymotic Diseases	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Typhus.	Enteric Fever.	Simple and Undefined Fever.	Diarrhœa.	Deaths of Children under 1 year of age to 1000 births.
				Births.	Deaths.	Principal Zymotic Diseases.											
1885	40,354	1390	607	34·5	15·1	1·71	69	3	14	2	4	27	..	5	..	14	120
1886	42,235	1609	735	38·2	17·5	2·64	111	..	48	2	11	12	..	3	1	34	124
1887	44,204	1667	714	37·8	16·2	2·36	104	2	22	2	11	32	..	2	..	33	116
1888	46,264	1703	689	36·9	14·9	1·58	73	..	..	3	19	33	..	2	..	16	112
1889	48,420	1852	759	38·4	15·7	2·03	98	..	43	5	13	14	..	2	..	21	115
1890	50,676	1933	923	37·5	17·9	2·47	127	..	33	11	14	44	1	2	..	22	137
1891	53,037	1867	920	35·3	17·4	1·57	83	..	33	1	6	24	..	4	..	15	124
1892	55,009	1932	849	35·2	15·5	2·48	136	..	19	25	38	29	..	3	..	22	108
1893	57,073	1914	994	33·6	17·5	3·71	211	2	47	31	65	23	..	8	..	35	140

TABLE VIII.

SANITARY AREAS.	Estimated Population middle of 1893.	Births.	Deaths.	Annual Rate per 1000 living.		Principal Zymotic Diseases.	Deaths from Principal Zymotic Diseases	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Typhus.	Enteric Fever	Simple and Undefined Fever.	Diarrhoea.	Deaths of Children under 1 year of age to 1000 births.
				Births.	Deaths.												
LONDON	4,306,411	132,965	90,060	30·9	20·9	3·0	13,091	186	1658	1587	3196	2327	5	675	21	3436	164
West Districts—																	
Paddington	120,421	3,010	2,141	25·0	17·8	2·3	275	4	30	33	70	60	..	21	..	57	150
Kensington	167,029	3,671	2,942	22·0	17·6	2·1	348	10	21	52	83	65	..	17	..	100	169
Hammersmith	103,044	2,966	1,872	28·8	18·2	2·4	246	3	4	36	53	50	..	15	2	83	160
Fulham	104,735	3,711	2,024	35·4	19·3	3·3	342	2	12	33	64	82	..	17	..	132	176
Chelsea	98,182	2,854	1,955	29·1	19·9	2·7	268	1	23	32	52	68	..	17	2	73	158
St. George, Hanover Square	76,043	1,496	1,228	19·7	16·1	1·6	118	3	2	25	34	14	..	12	2	26	133
Westminster	54,829	1,358	1,290	24·8	23·5	2·0	110	..	5	25	14	15	..	7	1	43	188
St. James, Westminster	24,000	528	474	22·0	19·7	1·8	43	1	4	2	14	8	..	6	1	7	146
North Districts—																	
Marylebone	139,726	4,379	3,192	31·3	22·8	2·7	382	5	32	68	94	78	..	20	1	84	151
Hampstead	73,380	1,507	948	20·5	12·9	1·3	97	2	1	20	38	6	..	8	..	22	102
St. Pancras	233,936	7,044	5,138	30·1	22·0	3·3	761	9	154	100	201	106	..	27	..	164	172
Islington	327,919	9,750	6,405	29·7	19·5	2·8	930	2	129	94	200	197	1	47	1	259	164
Hackney	240,584	6,911	4,532	28·7	18·8	3·0	724	4	57	74	206	165	..	53	1	164	152
Central Districts—																	
St. Giles	38,641	1,094	925	28·3	23·9	2·4	93	4	6	14	22	18	..	6	..	23	131
St. Martin-in-the Field	14,034	223	208	15·9	21·2	1·5	21	2	1	2	8	2	..	1	..	5	188
Strand	23,788	594	713	25·0	30·0	2·9	68	1	2	19	22	11	..	1	..	12	219
Holborn	32,690	864	886	26·4	27·1	3·3	109	1	18	12	22	16	..	13	..	27	214
Clerkenwell	65,589	2,106	1,745	32·1	26·6	4·9	319	..	79	30	76	51	..	10	..	73	202
St. Luke	41,577	1,770	1,282	42·6	30·8	5·6	232	1	53	28	46	40	..	12	..	47	174
LONDON CITY	35,870	627	843	17·5	23·5	1·3	48	3	11	8	11	4	..	..	1	10	132
East Districts—																	
Shoreditch	123,440	4,450	3,153	36·1	25·5	4·6	566	3	129	39	137	80	..	16	1	161	178
Bethnal Green	129,620	4,756	3,257	36·7	25·1	4·1	527	7	83	71	136	60	..	25	..	145	177
Whitechapel	75,178	3,096	1,916	41·2	25·5	3·1	235	5	37	32	61	26	..	8	..	66	168
St. George-in-the-East	45,493	1,966	1,403	43·2	30·8	4·9	221	1	32	14	62	23	..	4	..	85	209
Limehouse	57,115	1,953	1,613	34·2	28·2	4·7	269	8	21	35	61	64	1	18	..	61	205
Mile End Old Town	108,041	4,146	2,430	38·4	22·5	3·3	361	8	39	40	80	44	..	29	..	121	149
Poplar	169,141	5,918	3,905	34·9	23·1	3·8	639	12	32	105	168	74	1	62	..	185	169
South Districts—																	
St. Saviour, Southwark	26,854	780	649	29·0	24·2	3·1	82	..	6	18	17	20	..	3	..	18	154
St. George, Southwark	59,953	2,169	1,700	36·2	28·4	4·8	286	7	35	42	45	74	..	13	..	70	206
Newington	117,672	4,345	2,856	36·9	24·3	3·7	432	6	34	51	93	109	..	13	..	126	176
St. Olave, Southwark	12,903	412	312	31·9	24·2	2·2	29	1	1	6	7	3	..	2	..	9	141
Bermondsey	84,246	3,202	2,004	38·0	23·8	3·3	275	4	36	30	80	46	1	8	..	70	168
Rotherhithe	40,020	1,379	927	34·5	23·2	3·4	136	13	10	16	31	33	..	8	..	25	165
Lambeth	280,284	9,212	5,749	32·9	20·5	2·7	761	5	113	69	185	151	1	36	4	197	149
Battersea	158,105	5,225	2,980	33·1	18·9	3·6	570	12	93	40	167	114	..	22	..	122	169
Wandsworth	172,143	4,569	2,617	26·5	15·2	2·5	422	1	36	53	113	81	..	18	1	119	142
Camberwell	245,143	7,472	4,724	30·5	19·3	2·5	619	11	83	73	130	109	..	27	..	186	161
Greenwich	171,120	5,377	3,510	31·4	20·5	3·5	606	13	103	71	147	100	..	28	1	143	165
Lewisham	77,473	1,899	1,133	24·5	14·6	1·7	135	5	19	11	53	8	..	9	1	29	128
Woolwich	41,854	1,302	842	31·1	20·1	2·4	101	4	14	16	8	20	..	5	1	33	160
Plumstead	94,596	2,874	1,547	30·4	16·4	3·0	285	2	53	48	85	32	..	11	..	54	137
Plumstead Parish	57,073	1,914	994	33·6	17·5	3·71	211	2	47	31	65	23	..	8	..	35	140



TABLE IX.—Abstract from Mortuary Register, for 1893.

Date.	Age.	Sex.	Inquest or No.	Post Mortem or No.	Cause of Death.
1893.					
Feb. 20th ..	68	Male	Yes	Yes	Aneurism of the Aorta
March 4th ..		Female	Yes	Yes	Hemorrhage
„ 6th ..		Male	No	No	Syncope
„ 27th ..		Male	Yes	Yes	
May 2nd ..	53	Male	Yes	Yes	Aneurism of the Aorta
„ 3rd ..	21	Male	Yes	No	Found drowned in Thames
„ 9th ..	54	Male	Yes	Yes	Natural Causes
„ 21st ..	6	Female	Yes	Yes	Hyperæmia of Brain
June 9th ..	19	Male	No	No	Syncope
„ 20th ..	7	Female	Yes	Yes	Concussion of Brain
July 13th ..	40	Female	Yes	Yes	Diseased heart, lungs, and kidneys
Aug. 21st ..	12	Male	Yes	Yes	Found drowned
Oct. 6th ..	45	Male	Yes	No	Found drowned
„ 16th ..	36	Male	Yes	Yes	Diseased lungs, heart, liver, kidneys, spleen, stomach and brain
Nov. 23rd ..	4 months	Female	Yes	Yes	Suffocation
Dec. 1st ..	33	Female	Yes	Yes	Inflammation of Bowels
„ 4th ..	34	Male	Yes	Yes	
„ 15th ..	3 days	Female	Yes	Yes	Inattention at Birth

TABLE X.

Summary of Nuisances abated, Notices served, and General Work of the Sanitary Department for 12 months, ending 31st December, 1893.

PREMISES INSPECTED.	House to House Inspection.		Special in both Districts.	Total.
	West	East		
No. of houses inspected house to house ..	2818	2954		5772
" " and premises <i>re</i> complaints received &c. .. ..	..	..	1795	1795
" " and premises specially inspected <i>re</i> infectious diseases, &c. ..	..	..	..	945
" " new buildings <i>re</i> certificates ..	..	..	..	165
NUISANCES ABATED—				
DRAINS.				
Waste pipes from baths, lavatories, and wash-house sinks disconnected from drains ..	277	13	15	305
Choked and defective drains remedied ..	98	177	64	339
Defective traps abolished	156	102	13	271
Soil pipes defective and unventilated ..	196	21	16	233
Stables drained	4	14	..	18
Combined drains taken up & relaid (63 houses)	..	..	11	11
W.C's.				
W.C's repaired, new traps or pans provided, fittings repaired	176	371	19	566
Water supply apparatus repaired	469	410	53	932
PREMISES.				
Interiors cleansed, repaired, and defective roofs repaired	160	364	17	541
Damp walls remedied	32	17	16	65
Paving in yards and wash-houses repaired ..	110	135	43	288
Through ventilation provided .. ..	..	8	4	12
Wash-houses without sinks and outlets for waste water	31	95	5	131
Defective guttering and rain water pipes ..	176	111	11	298
ANIMALS.				
Accumulation of manure removed	13	17	17	47
Animals kept in such a state, as to be a nuisance	3	15	2	20

TABLE X.—Continued.

	House to House Inspection.		Special in both Districts.	Total
	West	East		
WATER.				
Combined cisterns for sanitary and domestic purposes	3	1	1	5
Defective and foul rain water tanks	20	4	5	29
Defective water pipes flooding premises	32	141	11	184
Samples taken for Analysis .. .. .	..	..	4	4
Insufficient supply for domestic purposes .. .. .	..	4	..	4
MISCELLANEOUS.				
Seizures of unsound food .. .. .	..	..	5	5
Obstructions of footpaths	12	15	35	62
Summons for non-compliance with notices	11	3	21	35
Visits to Churchyard (<i>re</i> order in Council) .. .. .	..	..	103	103
Cases of overcrowding remedied .. .. .	..	22	..	22
Ditches cleansed .. .. .	..	1	29	30
Bakehouses cleansed	21	11	..	32
Offensive trades abolished .. .. .	..	..	1	1
Cowhouses cleansed .. .. .	..	..	9	9
DISINFECTION.				Total.
No. of houses disinfected after infectious disease .. .. .	..	..	..	612
„ cases disinfected for other parishes (Lee & Eltham) .. .. .	..	..	..	78
„ articles disinfected—Beds 1006. Palliasses 1159. Blankets 1155. Pillows 1465. Sheets 648. Bolsters 571. Quilts 568. Mattresses 74. Sundries (clothes, &c.) 7070	..	..	..	13,716
CLERICAL WORK.				
Letters received .. .. .	..	..	..	1142
„ written .. .. .	..	..	..	1169
Notifications received .. .. .	..	..	..	897
Certificates issued after disinfection .. .. .	..	..	..	2299
Certificates of infectious disease forwarded to schools .. .. .	..	..	..	1292
Notices for sanitary defects .. .. .	..	..	..	3053

TABLE XI.

Return of Vaccination for the year 1892, as sent to the Local Government Board,
February 7th, 1894.

DISTRICT.		No. of Births from 1st Jan. to 31st Dec. 1892.	Successfully Vaccinated.	Insusceptible of Vaccination.	Had Small Pox.	Dead Unvaccinated.	Postponed by Medical Certificate.	Removed to places unknown.	Other causes.
EAST PLUMSTEAD	..	1411	1208	5		134	14	49	Fined 20/- & 2/- costs 1
WEST PLUMSTEAD	..	508	454	1		38	1	13	Under Summons 1
TOTAL	..	1919	1266	6		17	15	26	2

TABLE XII.

LIST OF COW HOUSES & SLAUGHTER HOUSES.

No.	Name.	Address.
1	Alfred Hilder	25 Parry Place
2	Joseph Leech	78 Frederick Place
3	Joseph Fretter	33 Herbert Road
4	Mary Ann Hayward.. ..	30 Plumstead Common Road
5	William Cavey	13 Raglan Road
6	Richard B. Robinson ..	3 Ripon Road
7	William Killick	52 St. James' Place
8	David J. Heaton	13 Princes Road
9	Harriett Brooks	43 Richmond Place
10	Charles Lambeth	1 Griffin Road
11	William Woolsey	10 Frances Street
12	Henry Woolsey	50 " "
13	Reuben Mehew	16 Cage Lane
14	George Russell	Manor Farm
15	John Ott	6 High Street
16	Woolwich Co-operative Soc.	Bostal Farm

LIST OF BAKE-HOUSES.

No.	Name.	Address.
1	Walter Jeffery	123 Burrage Road
2	William Davis	93 " "

LIST OF BAKE-HOUSES—(continued).

No.	Name.	Address.
3	J. T. Anderton	81 Park Road
4	W. H. Arnold	57 Plumstead Road
5	Henry Skinner	1 Park Road
6	W. S. Akers	16 Armstrong Place
7	Andrew Alford	57 Burrage Road
8	J. H. Dalton	13 Eton Road
9	Stephen Medcraf	58 Pattison Road
10	Robert Davies	2 Crescent Road
11	W. H. Hughesdon	24 St. James Place
12	Alfred Chadwell	60 Plumstead Common Road
13	Richard Gilder	1 Miriam Terrace, West Lane
14	J. Merritt & Co.	50 Herbert Road
15	Edward Plummer	46 Hudson Road
16	James Colver	165 Sandy Hill Road
17	James Alderton	102 Ann Street
18	F. Phillips	53 Ann Street
19	Thomas Maynard	64 Villas Road
20	H. Blackwell	12 Spray Street
21	K. Moakes	54 Parkdale Road
22	Edward Page	109 Plumstead Road
23	Frederick Hoadley	136 Plumstead Road
24	J. H. Clarke	152 Plumstead Road
25	James Allway	126 High Street
26	James Porter	1 Riverdale Road

LIST OF BAKE-HOUSES—(continued).

No.	Name.			Address.
27	Henry Foster	..	..	73 Cage Lane
28	Arthur Jewiss	..	..	68 Glyndon Road
29	Frederick Taylor	..	..	14 Gunning Street
30	Henry Percival	..	..	23 High Street
31	F. P. Brett	..	..	14 Conway Road
32	James Farrier	..	..	30 Burrage Road
33	Mrs. Luson Fuller	..	..	30 Princes Road
34	James Summers	..	..	33 Lower Eglinton Road
35	Woolwich Union	..	..	High Street
36	Andrew Thorogood	..	..	307, High Street
37	Alfred Chapman	..	..	2, High Street

