#### [Report of the Medical Officer of Health for Lewisham].

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#### **Publication/Creation**

1871.

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# THE REPORT

BY THE

### BOARD OF WORKS

FOR

### THE LEWISHAM DISTRICT

FOR THE YEAR

1870.-/

PUBLISHED BY ORDER OF THE BOARD.

GREENWICH:

PRINTED BY W. H. CROCKFORD, JUN., BLACKHEATH ROAD.

1871.



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1871.

General Purposes. Finance. Mr. Brooker. Mr. Brooker. GIBSON. BURDETT. COLLYER. ELKINGTON. GIBSON. HUGHES. GREEN. JERRARD. McLennan. HORTON. HUGHES. MURIEL. LEMON. RIDDINGTON. McLennan. STANGER. RIDDINGTON. TAPLEY. TAPLEY. Sanitary. Parliamentary. Mr. BROOKER. Mr. Brooker. COLLYER. COLLYER. GREEN. ELKINGTON. INGERSOLL. McLennan. MURIEL. RIDDINGTON. STANGER. STANGER. SMITH. Local. Blackheath and Sydenham and Penge. Lewisham. Forest-hill. Mr. BURDETT. Mr. BROOKER. Mr. ELKINGTON. HORTON. COLLYER. GIBSON. INGERSOLL. HUGHES. JERRARD. McLENNAN. MURIEL. RIDDINGTON. NEWNHAM. TAPLEY. Colonel WYNNE. WOOFF. 18/29 Horse. Gas. Mr. Clifford. Mr. GIBSON. HOLDSWORTH. JERRARD. MURIEL. RIDDINGTON. TAPLEY. Offices.

Grove Place, Lewisham, near the Church.

Committees.

STATEMENT of the RECEIPTS and PAYMENTS of the Board during the Year ended 25th March, 1871.

	Regeipts.	c		7				Expenditure.					
1870.		£	8.	a.	£	8.	d.	£	8.	d.	£	8.	d.
Iarch 25.	Cash Balance in hands of Treasurer	5221	0	4				LEWISHAM.  General Purposes 6287  Ditto 159th Section Me-	19	0			
	Ditto Officers	20	11	0	5241	11	4	tropolis Management Act, 1855 6118	11	4			
LEWI	SHAM.							Paving 3923	18	8			
	General Purposes Lighting							Lighting 3600 Sewerage Purposes 3002 Sewers Construction 3044	17	5			
	Paving (Loan)							Metropolitan Consolidated	10	11			
	Sewerage Purposes							Rate 4183	11	4	30162	10	0
	Metropolitan Consolidated Rate	4183	11	4				PENGE.					
PENG	E.			5	24926	18	8	General Purposes 4243 Lighting 1091	18	0			
	General Purposes								17	0			
	Lighting							Metropolitan Consolidated Rate 1899	5	3	0001		11
	Metropolitan Consolidated Rate	1899	5	3				1871. March 25. Cash Balance in hands of			9991	0 .	11
		1/200			11622	4	8	March 25. Cash Balance in hands of Treasurer 1599 Ditto Officers 37					
				_				Ditto Officers	14	_	1636	18	9
				£4	1,790	14	8			£4	1,790	14	8
										193			

We, the undersigned, being two of the Auditors elected by the Board, have caused to be prepared and do allow the above Account in Abstract of the Receipts and Expenditure of the Board for the year ending 25th March, 1871, to which is appended a detailed account thereof, and also a Summary Statement of the Monies owing to and the Debts and Liabilities of the Board at that date.

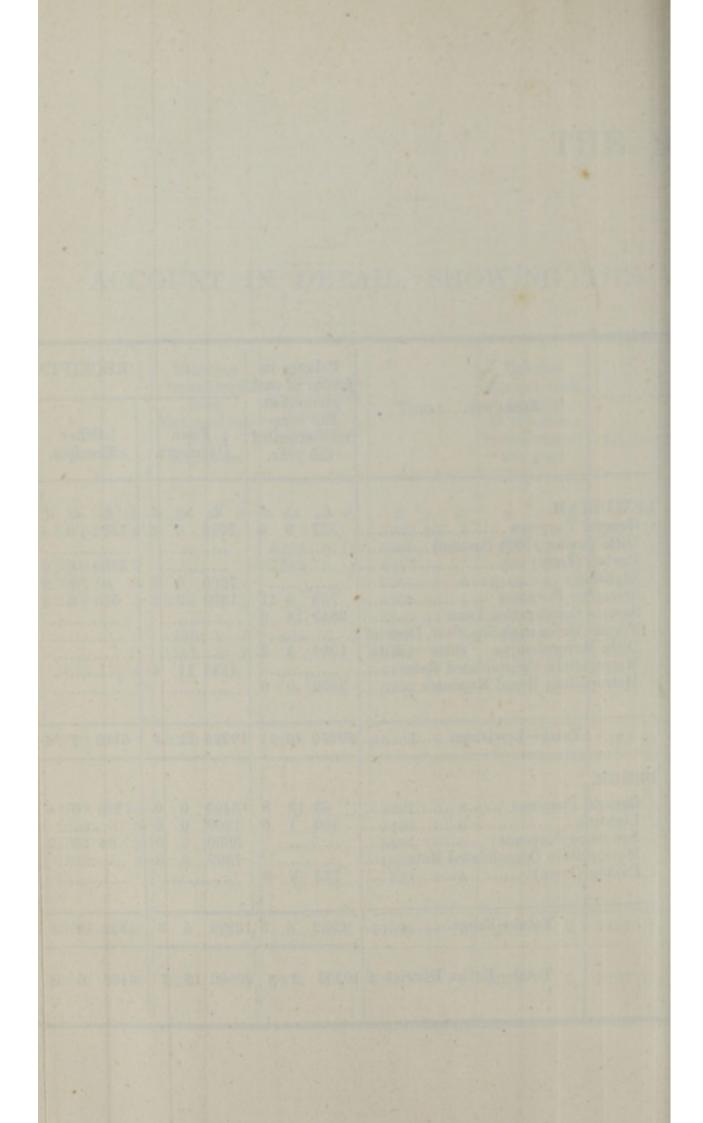
16th May, 1871.

ALFRED T. LAYTON, AUDITORS. H. W. WIMSHURST,

ACCOUNT IN DETAIL, SHOWING THE RECEIPTS AND EXPENDITURE OF THE BOARD FOR THE YEAR ENDED THE  $25\pi n$  MARCH, 1871.

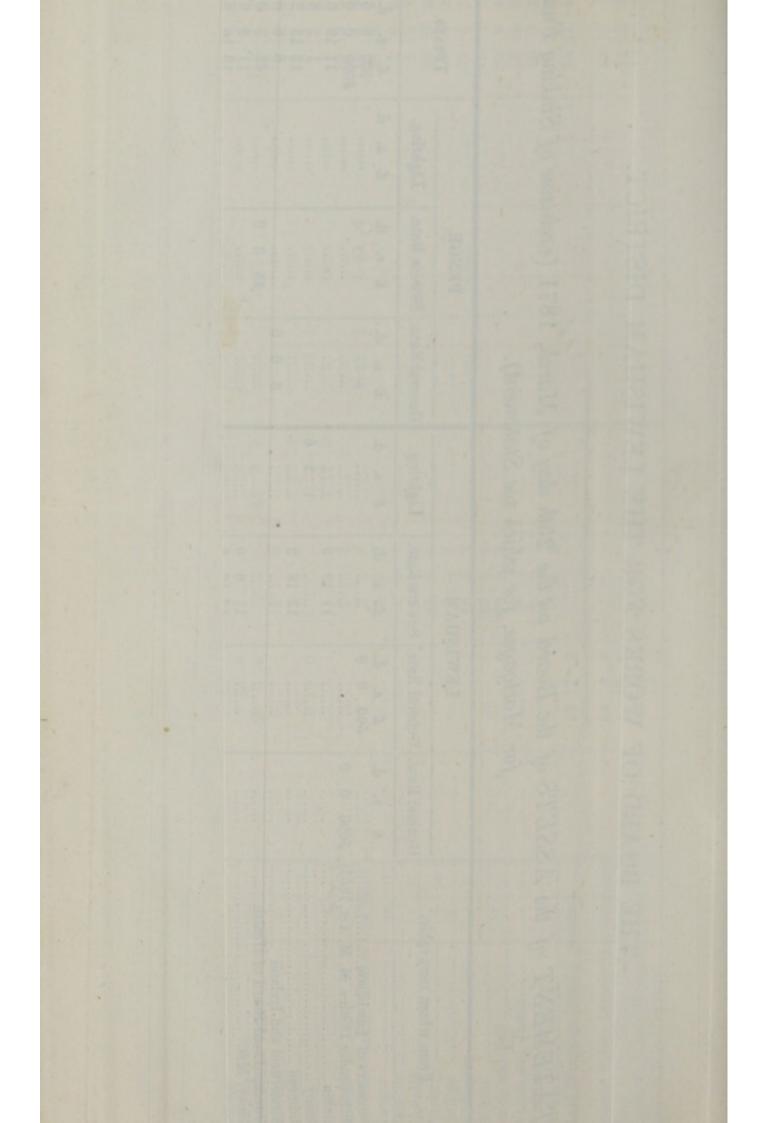
		Belance in favour of each		BECKIPTS		Balance	Balance		Salance against such									EXPENT	OTURE.								Metropolitan Bonel ex- person Bulance	Bilance		
	Accounts.	norcent at the con- menographed the year.	Prom Ourmors.	Other Receipts.	Total Escopts.	Matricollege	against each account at the end of the year.	Total.	account of the year.	Highways.	Periog.	Watering.	Read Imperessors.	Construction of Sewson.	Sowen Repairs and Cloursing.	New Streets.	Bowon and Doctor (Private).	Metropolitan Bosed.	Lighting.	Emblishment Expenses.	Sustries.	Loans repaid and Staking Fund.	fatecest on Louis.	Law Expenses.	Duting.	Total Expenditure	transferred.	each Account at the end of the year.		
2 Dim 2 Parti 4 Light 5 Reset 6 Sees 7 Form 8 Dim 9 Mete	rai Peryonna (under 1996 Svetion) og (Leno) og (Leno) og Carago og Carago og Carago og Carago og Carago Carago Og Carago Og Ca	708 9 11 3889 14 9 1000 3 3	4189 11 4		6 A d. 8572 0 4 3600 0 0 5041 1 3 5210 5 3	2000 0 0 200 0 0 1100 0 0	629 6 2	8929 09 11 0298 9 31 4243 8 7 3961 1 9 4568 15 2 0349 14 0 625 6 2 2005 3 3 4183 11 4 2300 0 0	179 18 7 319 9 11 9146 1 1	800 29 89 881 19 8	0928 18 8	2100 1 0	207 4 8	2016 29 13	200 16 4	107 7 1	333 39 7	080 11 4	2000 12 4	618 15 4	200 8 8	100 0 0 1000 U 8	27 8 4 301 19 2		461 1 4	611H 11 4 5125 18 8 5000 12 4 5000 17 5 5044 19 11	2300 0 0	2041 11 1 1314 8 4 1865 17 9 804 14 1 2160 E 3	8909 10 8396 9 1 8243 8 7463 1 4868 15 3149 18 829 6 8100 3 4183 11 3300 0	1 1 2 1 2 3 9 4 0 6 0 6 2 7 3 8 4 9 0 10
	Total - Levidon	69379 10 11	19799 11 4	6043 7 4	24920 38 6	3310 0 0	7973 6 9	42459 0 3	2274 15 9	4189-38-3	2022 15 B	2189 1 5	2417 4 8	2044 19-11	300 10 4	197 7 1	331 19 7	4183 11 4	2000 12 4	1517 10 8	414 11 9	1110 0 0	619 1 6	16 2 0	653 Z 6	20062 18 0	1000 0 0	6731 14 4	65009 O	63
2 Sigh 3 Sews 4 Mars	E. red Perpense For Perpense For Perpense Spolites Consolidated Hate og (Leun)	100 1 6	1300 0 0 3100 0 0 1509 5 3		4638 6 8 1200 6 6 3884 38 9 3899 5 3			1919 A 3 113 A 3	1736 13 8		100 0 0			101 0 0	90 19 4		180 3 3	1909 4 5	1001 18 8	100 T 8	260 4 9	201 0 0	014 17 10			2006 17 0 1939 8 2 200 0 0		400 14 8 200 2 6 91 6 8	4697 0 1400 1 3884 18 1829 8 713 4	
	Total-Programme	£192 0 5	10310 4 3	1322 19 6	11022 4 8			13004 10 T	1726 15 3	3600 1 9	200 0 0	429 15 B	301.11.31	107 0 0	90 19_6	3000 E 4	180 3 3	1999 8 3	1001 18 0	618 15 4	616 17 9	796 0 0	301 6 1		122 3 4	9991 4 11		826 8 11	12014 10	
	Total—Entire District a	100253 2 a	30082 36 7	8105 6 9	20549 3 4	3100 0 0	2021 4 8	80073 10 4	8011 11 0	3121 12 +	4623 28 R	2815 17 10	2919-16 7	3131 19 11	294 15 18	1300 13 4	\$12 4 10	6382 36 7	6001 10 6	2856 6 8	821. 9. 6	1566 0 0	1200 S T	26 2 6	281 5 10	00181 13 E1	\$300 0 0	1000 1 1	SMEE 10	

Ozankad and found correct,
H. W. WIMSHUEST,
ALFRED T. LAYTON,
ACCIOCAS, 10th May, 1871



STATEMENT of the ASSETS of the Board on the 25th day of March, 1871 (exclusive of Sinking Fund for Mortgages, for which see Statement).

		LEWI	SHAM.			PENGE.		TOTALS.
From whom receivable.	General Rate	. General Rate.	Sewers Rate.	Lighting.	General Rate.	Sewers Rate.	Lighting.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s.
verseers of Lewisham	******	500 0 0						500 0
itto (under 159th s. M. M. Act, 1855)	5000 0 0						******	5000 0
chin		9	11 19 0					11 19
iley			10.10.0	1 2 6				1 2
lmead			13 18 2					13 18 6 6
esterfield and Ireland					6 6 0	40 0 0		
ydon Local Board of Health			11 0 0			48 3 9		
ney, Mrs			11 8 0					11 8 10 16
mer		0 15 0	10 16 0					8 15
line, John		8 15 0		49 0 0				111 7
nberwell Vestry		68 6 5	17 17 0	43 0 8				17 17
ritage			17 17 0	1 10 10				
Iman		0.10 0		1 10 10				1 10 0 10
11		0 10 0		1 17 0				1 17
p			0 16 0	1 17 0				9 16
wisham Local Board of Guardians		3 6 8	9 16 0 3 6 8		1 13 4	1 13 4		10 0
								6 19
nger			6 19 2					1 0
cholls								1 19
cholls			1 19 9					26 9
Tin			26 9 9					6 3
llips			6 3 1					10 5
dington			10 5 7					10 8
kins			10 8 0					20 9
ith and Poll			20 9 4					18 14
allen and James			18 14 0 19 0 3					19 0
atkins			9 11 0					9 11
elshad Scrapings (sundry persons)		32 17 0						32 17
ystal Palace District Gas Company		64 8 0			4 4 0			68 12
nt Water Works Company		44 19 0					******	44 19
mbeth Water Works Company		9 2 0			3 11 6			12 13
œnix Gas Company		1 18 0						1 18
lvedere Road (South Western Por-					104 0 0			104 0
tion)					184 0 0	40 11 5		184 0
verley Road Sewer						40 11 5		40 11
urt Hill Road and adjacent Sewer			88 2 10		.,,	******		88 2
nterbury Road		300 3 0			100 11 0			300 3
rwent Road		11 10 0			109_11 0			109 11
stdown Park Road		11 18 8	00.17 0					11 18
vonshire Road Sewer		450 7 0	23 17 9					23· 17 453 7
velock Mews		453 7 0						453 7 40 13
rk Road		40 13 4					******	14 7
yal Parade Mews		14 7 0						531 5
vensbourne Villas Road		531 5 8						335 3
glan Street and Clyde Terrace		335 3 0		******				97 11
Germain's Road		97 11 11			14 4 0			14 4
by Road Saway						52 15 10		52 15
by Road Sewer					192 6 9			123 6
icket Road		******			123 6 2			10 7
eighton Road					10 7 4	8 5 6		8 5
eighton Road Sewer				/				
£	5000 0 0	2518 11 8	322 1 4	47 11 0	457 3 4	151 9 10		8496 17



STATEMENT showing the Financial Condition of the Board and of each separate head of Expenditure on 25th March, 1871.

	Cash B	ALANCES.	LIABILITIES	AND ASSETS.	FINANCIAL C	CONDITION OF COARD.
	In favour.	Against.	Liabilities.	Assets.	In Debt.	In Credit.
Lewisham.  General Purposes  Ditto (under 159th s. M. M. Act, 1855) Paving (Loan)  Lighting  Sewerage Purposes  Sewers Construction (Loan)  Former Greenwich Separate Sewerage District  Former Ravensbourne ditto	1314 8 4 1865 17 9 804 14 1	£ s. d.  6298 9 11 1243 8 7 429 6 2 7971 4 8	£ s. d. 2922 6 4 67 17 4 634 6 6 929 19 11 95 0 0 440 19 9	£ s. d. 2518 11 8 5000 0 0  47 11 0 322 1 4	£ s. d.	£ s. d. 2237 16 5 431 19 5 2092 19 1 363 14 4 2105 3 3 7231 12 6
Penge. General Purposes Lighting Sewerage Purposes Paving (Loan)	308 3 6 91 6 6 23 4 3	/	398 18 1 291 9 9 112 13 10 93 2 3	457 3 4  151 9 10	69 18 0	511 19 11 16 13 9 130 2 6
Cash balances in hands of Treasurer		1599 3 11 37 14 10		608 13 2	69 18 0	658 16 2
Nett credit					4147 2 2	
	9608 3 5	9608 3 5	5986 13 9	8496 17 2	7890 8 8	7890 8 8

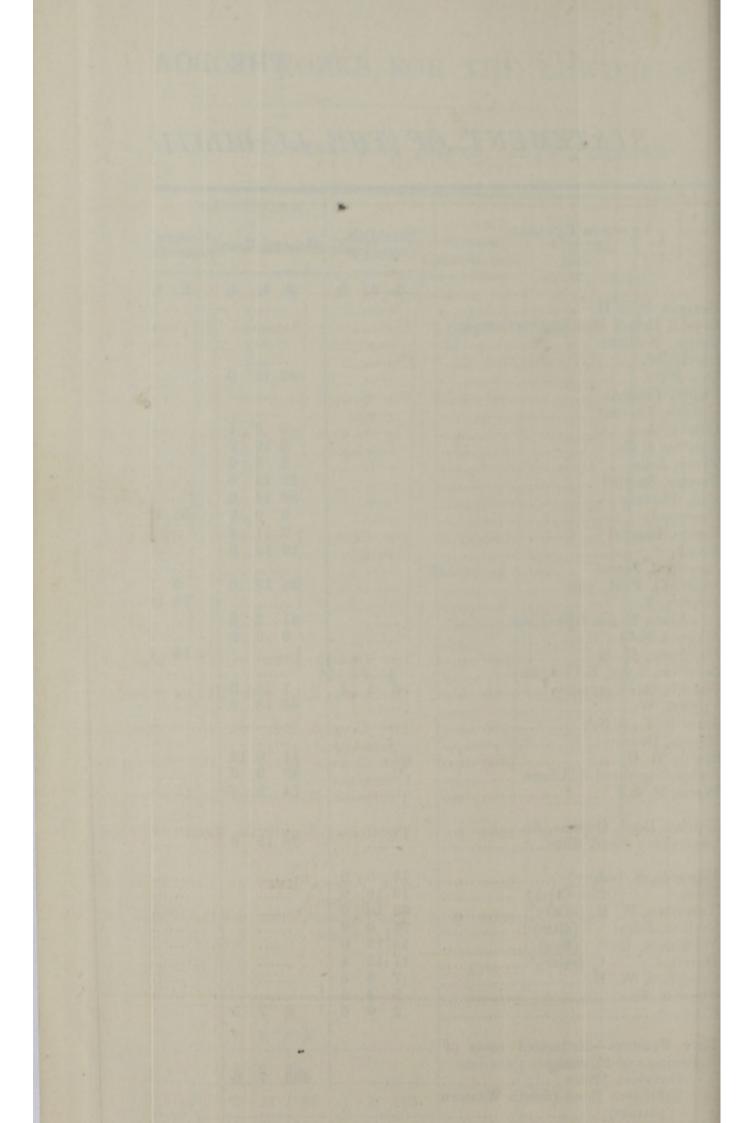
Statement showing the Items of Expenditure comprised under the head of "Establishment Expenses," and how they are apportioned among the several heads of Expenditure.

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	APPORTIONMENT OF ESTABLISHMENT EXPENSES.  Lewisham— General Purposes, \$\frac{1}{3}\$ of \$\frac{2}{3}\$ of £1943 7s. 3d 618 15 4  Sewerage ditto, \$\frac{1}{2}\$ of \$\frac{2}{3}\$ of the same sum 618 15 4  Being \$\frac{2}{3}\$ of the amount of such expenses
	General Purposes, $\frac{1}{2}$ of $\frac{1}{3}$ of £1943 7s. 3d 309 7 8 Sewerage ditto, $\frac{1}{2}$ of $\frac{1}{3}$ of the same sum 309 7 8
retrice to the second	Being $\frac{1}{3}$ of the amount of such expenses
£1856 6 0	£1856 6 0

Note.—The Establishment Expenses of the Board are in the first instance apportioned between the Parish of Lewisham and Hamlet of Penge, in the proportion of two-thirds to the former and one-third to the latter, and such Expenses are further apportioned between the Expenditure for the year in the Parish and Hamlet respectively under the heads of General Purposes and Sewerage Purposes, in the proportion of one-half to each account respectively.

STATEMENT OF THE LIABILITIES of the Board, 25th March, 1871 (exclusive of Mortgages, for which see Statement).

	*			LEWISHAM.	*				PEN	NGE.		
To WHOM PAYABLE.	Establish- ment.	General Rate.	General Rate (under 159 sect.)	Sewer Rate.	Paving (Loan)	Sewers Construction.	Lighting Rate.	General Rate.	Sewers Rate.	Lighting Rate.	Paving (Loan)	Totals.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d
Beevers, E. & H			*****				f10 0 1				93 2 3	93 2
Crystal Palace District Gas Company						75 2 3	513 3 1			291 9 9		804 12 1
Carter, William	******		******		******			12 18 4 40 2 1	27 6 11			115 7
Curtis, W.		42 18 0	** ***	******				2/07/2003	16 17 3			56 19 42 18
Dan & Co		12 10 0						6 5 0				42 18 6 6 5
Dulske, Thomas								34 6 0				34 6
Dewey, A		2 0 1										2 0
Doulton & Co		2 10 0										2 10
Errey, John		2 6 0						******				2 6
Forster, Samuel	*****	32 14 6										32 14
Fox, Thomas		33 14 0	01.14									33 14 (
Gasson, J.		0 9 2	31 14 4			******						32 3
Hobbs, Samuel	*****	2 11 4 19 15 0										2 11
Hawk, J.						365 17 6		******				19 15
Hayward, James		24 13 6	0 3 0	******		300 17 0					******	365 17 ( 24 16 (
Ingersoll, F. R., jun		24 10 0	19 16 0									24 16 19 16
ewisham Union Guardians		41 2 6		******								41 2
Major & Sons		9 9 0										9 9
Mortimer, H. G			16 4 0									16 4
fowlem, John, & Company					634 6 6							634 6
heenix Gas Company	5 1 3	1 15 0					416 16 10					423 13
uplett, W		45 18 9										45 18
rior S. T., & Son	******							21 5 2	21 5 2	******		42 10
Rogers, George			******					14 13 0	******			14 13
Smith, H. G		11 0 10								******		11 0 10
Smith, Shepherd & Adams		60 9 0	******					*****	******			60 9
Wood, E. & F		24 9 6	******			*****						24 9 (
Thicket Road, Owners, &c								38 4 0				38 4
Canterbury Road, ditto		28 15 6	*****	*****	******							28 15 (
Edwards, S. (salary)	75 0 0											75 0
Ditto (Office Clerk)	19 10 0											19 10
Treverton, W. H. (salary)	62 10 0								******			62 10
Carline, John (ditto)	75 0 0						******	******		******	******	75 0
Wilkinson, Dr. (fees)	15 15 0		******						******			15 15
Harris, J (salary)	11 13 4 7 8 0									******	******	11 13
Crockford, W. H	9 0 0									******		7 8 9 0
Shaw & Sons	2 9 6	0 7 7		0 11 0								3 8
per, S	2		******	0.0								0 0
NEW STREETS-Estimated costs of											-	
Paving and Forming—								0.00				
Havelock Mews		453 7 0	*****			******						184 0
Belvedere Road (South Western								194 0 0				
portion)		1054 0 0						184 0 0				453 7
Ravensbourne Villas Road Canterbury Road		543 0 0				*****						1054 0 543 0
Raglan Street, &c		390 11 0					******					390 11
Inglan Direct, worth					204 0 0	110.10.0						
	283 7 1	2827 17 3	67 17 4	0 11 0	634 6 6	440 19 9	929 19 11	351 13 7	65 9 4	291 9 9	93 2 3	5986 13
mount of Establishment Expenses		94 9 1		94 9 0				47 4 6	47 4 6			
		2)22 6 4		95 0 0		*****		398 18 1	112 13 10			



### STATEMENT of the outstanding MORTGAGES and LOANS of the Board on the 25th March, 1871.

No. of Mortgage Deed.		Date.	Amount	. Ir	late of nterest er cent.	Mortgagees.	How Repayable,	Amount Repaid.	Amount of Sinking Fund for Repayment.	Amount remaining due 25th March, 1871.	Upon what Rates chargeable.
No.	1856.	July 10	£ s.	d. 0	£5	Trustees for the Kent Life Office	No period or notice provided for in the Deed. See below*	£ s. d. 2550 0 0	£ s. d.	£ s. d. 3450 0 0	The Sewers Rates on the Parish of Lewisham
2	"	December 2	2000 0	0	£5	The same	The same. See below*	950 0 0	}	1050 0 0	The same
4	1858.	October 28	2000 0	0	£5	Trustees for the United Kingdom Provident Institution	By 20 equal annual instalments	1200 0 0		800 0 0	The Sewers Rates on the Hamlet of Penge
7	1861.	November 7	2000 0		£5	Trustees for the Kent Life Office	*At this date the three mortgages to the Kent Life Office were merged into one for £9000, repayable by equal annual instalments of £400 in respect of the Mortgages Nos. 1 and 2, and of £100 in respect of Mortgage No. 7	2000 0 0			The Sewers Rates on the Parish of Lewisham
8	1862.	August 28	1722 12	11	£5	Messrs. Daikers, Stanger, and Wright, as Trustees of the Board of the Penge Gravel Allotment Fund—now trans- ferred into the names of Messrs. Stanger, Elkington, and Griffin	By 20 equal annual instalments—re-in- vested on deposit with the London and		839 5 0	1722 12 11	The Sewers Rates on the Hamlet of Penge
9	1863.	November 19	1000 0	0	£5		By 20 equal annual instalments	350 0 0		650 0 0	The Sewers Rates on the Parish of Lewisham
10	1864.	July 14	4000 0	0	£5	The same	The same	1200 0 0		2800 0 0	The Sewers Rates on the Hamlet of Penge
11	1865.	June 15	1000 0	0	£5	The same	By 10 equal annual instalments	500 0 0		500 0 0	The General Rate on the Parish of Lewisham
12	1867.	January 24	6000 0	0	£5		By 20 equal annual instalments	1200 0 0		4800 0 0	
13	,,	"	4000 0	0	£5	Company The same	The same	800 0 0		3200 0 0	The Sewers Rates on the Hamlet of Penge
14	1869.	March 18	1500 0	0	£5	Trustees for the United Kingdom Temperance and General Pro- vident Institution	By 10 equal annual instalments	300 0 0		1200 0 0	The General Rate on the Hamlet of Penge
15	1870.	February 4	3000 0	0 ±	£4 15s.		By 20 equal annual instalments	160 0 0		2840 0 0	The Sewers Rates on the Parish of Lewisham
16	1870.	November 12	3000 0	0 3	£4 15s.	Assurance Association The same	The same		,	3000 0 0	
		£	37222 12	11			£	11210 0 0	£2135 6 9	£26012 12 11	

### ANNUAL REPORT

FOR THE YEAR 1870,

BY

### F. E. WILKINSON, M.D., &c.,

Medical Officer of Health for the District.

ENTLEMEN,

In accordance with the provisions of the Metropolis Inagement Amendment Act, 1862, which requires an unual report to be published, I lay before you the report of me sanitary state of the Lewisham District during the year 870.

Table I. contains the enumerated population in 1851 and 861.

The estimated population calculated logarithmally.

The estimated population calculated by ascertaining the number of inhabited houses from the rate-book, and calculating the number per house at the last census (1861).

The number of inhabited houses at the middle of 1870.

The average number of persons per house in 1851.

The average number of persons per house in 1861.

The average mortality per 1000, assuming a population brained from the number per house in 1861, and the number f inhabited houses in 1870.

Including the Metropolis, the 20 great cities of the kingdom, with an estimated population of 7,216,325 souls, stand on 3334 square miles. In these, 182,819 persons died and 259,910 children were born. The birth rate was 36.0; the death rate 25.3 per 1000 in the year.

The mortality of 70 cities of the kingdom was at the rate

of 24.9 per 1000.

The mortality of the rest of the kingdom was at the rate of 22·1 per 1000.

The estimated population of London is 3,214,707. (The population within the police area extending over a circle, having Charing Cross as its centre, and a radius of 15 miles, is estimated 3,753,763.)

The mortality of London during the year 1870 was 77,278; of these, 18,501 died under the age of 1 year.

The mean death rate is 24.34, and the mortality in 1870 is a little below this, being 24.12.

The mortality of the west and north districts rose above the average in 1870. The effect of the drainage of the low south district reduced the mortality in the three decenniads since 1840 in the following progressive improvement, viz., 26.6, 24.4, 23.2.—(Registrar General's Report.)

The estimated population of the Lewisham District in the middle of the year 1870 amounted to 47,422.

TABLE I.

	Enumerated Population, 1851.	Enumerated Population, 1861.	Estimated Population as calculated logarithmally to the middle of 1870.	Estimated Population at so many per house, taking the number per house in 1861.	Number of Inhabited Houses, 1851 census.	Number of Inhabited Houses, 1861 census.	Number of Inhabited Houses, middle of 1870.	Average number of persons per house, 1851.	Average number of persons per house, 1861.	Average mortality per 1000, assuming a population obtained from the number per house in 1861, and the number of inhabited bouses in 1870.
Blackheath	4466	4841	5205	5518	728	807	926	6.13	5.98	16.49
Lewisham	6097	7372	8747	10047	1088	1326	1878	5.6	5.35	29.36
Sydenham	4501	10595	22890	18837	801	1656	2730	5.61	6.9	13.8
Penge	1169	5015	18590	13020	153	668	1736	7.64	7.50	12.28

In which district in the year ending the 31st December, 1870, 1568 children were born and 806 persons died.

The birth rate was 33.06 per 1000.

The death rate was 16.99 per 1000.

These rates differed in the different Registrar's sub-

In Blackheath (so much as is contained in Lewisham Parish),

The birth rate was 24.64 per 1000.

The death rate was 16.47 per 1000.

In Lewisham Village (Registrar's district),

The birth rate was 38.12 per 1000.

The death rate was 24.28 per 1000.

In Sydenham (Registrar's district),

The birth rate was 36.09 per 1000.

The death rate was 13.80 per 1000.

In Penge,

The birth rate was 28.18 per 1000.

The death rate was 12.28 per 1000.

Table No. II. gives the number of births and deaths which have occurred in the different Registrar's sub-districts in Lewisham Parish and the Hamlet of Penge, together comprising the Lewisham District, with the mortality of the several public institutions.

TABLE II.

	1	BIRTHS.		DEATHS.				
Registrar's Sub-districts.	Males.	Females.	Total.	Males.	Females.	Total.		
Blackheath	71 197 350 176 —	65 186 — 332 191 —	136 383 682 367	40 126 32 133 85 1	51 118 19 127 67 6 1	91 244 51 260 152 7		
Total	794	774	1568	417	389	806		

Table III. gives the total mortality for the previous 14 years.

TABLE III.

856	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869
45	375	409	433	455	405	497	533	598	552	674	636	761	756

The mortality tables appended (Table No. V., p. 8), give a detailed account of the cause of death, and the different ages at which disease was fatal in the district.

From these tables it may be perceived that 190 persons died from zymotic disease, of whom

1 died from Smallpox. 3 Measles. Scarlet Fever. 70 Diptheria. Croup. Whooping Cough. Fever. Remittent Fever. Relapsing Fever. Erysipelas. Influenza. Diarrhœa. 48 Pyœmia.

142 persons died from constitutional disease, of whom 21 died of Cancer.

85 ,, Consumption of the lungs.

Rheumatic Fever.

26 ,, Other tubercular diseases.

337 persons died of local disease, of whom

116 died of diseases affecting the brain and nervous system.

55 ,, diseases affecting the heart and circulation.

112 ,, diseases affecting the lungs.

35 ,, diseases affecting the digestive organs.

12 ,, diseases affecting the urinary organs.

5 ,, diseases affecting the organs of generation.

121 persons died of developmental diseases, of whom

73 deaths occurred amongst infants.
3 ,, in childbirth.

45 ,, ,, from old age.

10 persons died violent deaths.

232 deaths took p	lace und	er 1	year.
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92	,,	,,	above 1	l year	and und	der 5.
37	,,	,,	,, (	year	s ,,	10.
39	,,	"		) ,,		20.
105	,,	"	,, 20	) ,,	,,	40.
120	"	,,	,, 40	) "	"	60.
134	,,,	"	,, 60	) ,,	,,,	80.
47	,,	,,	,, 80	) ,,	and upw	vards.

Table No. IV. gives the number of deaths which have taken place from epidemic disease during the last 12 years.

FTS		T	Υ.	T3.	T	37
T	Δ.	D	L	E	1	Y .

Year.	Smallpox.	Measles.	Scarlatina.	Diptheria.	Whooping Cough.	Cholera.	Diarrhœa.	Fever.
1859	2	9	32	7	19	-	13	13
1860	7	19	8	7	4	-	2	18
1861	2		5	12	14	-	13	14
1862	-	13	21	10	7	-	12	16
1863	3	29	19 -	6	14	-	17	11
1864	8	10	36	10	15	1	29	16
1865	5	9	13	7	14	-	32 23	11
1866	5	21	12	21	32	10	25	26
1867	14	3	9	8	16	-	29	2
1868	-	34	77	6	8		15	28
1869	1	14	40	7	27		48	2
1870	1	3	70	8	14	-	40	-

Smallpox was prevalent in London, but did not materially affect this district, and 1 death only was registered from this cause.

The prevalent epidemics were

Scarlet Fever, which destroyed 70 lives, and Diarrhæa, of which an unusually large number (48) died.

### PERRY VALE DRAINAGE.

In several of my monthly reports I drew the attention of the Board to the fact that fatal epidemic disease was pervalent in two limited localities near Forest Hill Station, viz.:— Dartmouth Park and Perry Vale, and that this disease was caused by the want of proper drainage in these neighbourhoods, by unventilated cesspools, old brick drains without ventilation, and want of attention to sanitary requirements.

These requirements were remedied by the construction of the Perry Vale sewer, which runs through the neighbourhood indicated, and into which I believe that the houses in that locality are all now drained.

The absolute want of drainage of the houses at Westwood Park, Forest Hill, on the border of the Parish, was also brought under your notice, but as these houses were in Camberwell Parish, they were not under the control of the Lewisham Board.

Cesspools have since been constructed, but it remains for the Local authority to ventilate such cesspools, to prevent such overflow as gives rise to nuisance, to provide for cleansing at proper intervals, and to abate any existing nuisance in ditches.

An official enquiry was also made by order of the Privy Council, of these localities, but the sewer in Perry Vale was already in progress when this enquiry was instituted.

### WATER SUPPLY.

This district is dependent upon two companies for its water supply, viz., the Lambeth and the Kent Companies, the former supplying Sydenham and Penge, and the latter Lewisham and Blackheath.

Dr. Frankland, in his report upon water supply, states that the Lambeth Company requires to make considerable improvement in its subsidence and filtration plant. The water of the Kent Company (which is now wholly derived from chalk wells), is not filtered before delivery; the natural filtration which the water receives through the pores of the chalk is very greatly superior to the best artificial operation of this kind.

The supply is still of an intermittent kind, but I think that the time must shortly come when the inconvenience and danger arising from this plan will no longer be tolerated. In conclusion, it would be as well to call attention to some remarks in my reports of last and previous years upon the subject of the necessity for disinfecting bedding and wearing apparel after being used by those labouring under infectious disease, and some general remarks upon house drainage and ventilation of drains.

No public disinfecting apparatus exists in the district. This is much needed, as disease is fostered and spread from infected bedding and clothing.

And also to the important subject:

That the drainage of houses should be as much as possible external to them; that the soil pipe from water-closets should be outside buildings; that the pipes from sinks, &c., should be never allowed to enter a drain; and that the overflow pipes from cisterns should never be connected with a water-closet or drain.

Added to which, that every drain should be provided with a ventilating pipe of sufficient height to carry off foul gas out of reach, and to prevent the possibility of sewer air forcing itself into houses, especially at night when houses are closed.

That it would be well if the public generally would use carbolic acid more extensively in private houses, for drains and closets; as its general use would prevent putrefactive decomposition, and render the atmosphere of drains and sewers much more wholesome.

I have the honour to be, Gentlemen,

Your obedient Servant,

F. EACHUS WILKINSON.

# TABLE V.—DEATHS DURING THE FOUR QUARTERS OF THE YEAR 1870.

	BORNES BURNES		4	GES	AT	AGES AT DEATH.							
CLASSES OF DISEASE.	CAUSES OF DEATH.	Under 1 year.	Under 5.	Under 10.	Under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 and upwards.	Total.	Males.	Females.	
I. ZYMOTIC DISEASES.	Order 1.—Miasmatic. Smallpox	- 3 - 10 - 2 - 1 3 40 - - -	-1 39 5 1 3 -2 -1 3	- 2 19 1 - 1 2	1 7     5       1 1	-   2 2     6         1 1 2 9     -   1			HILLING THE	1 3 70 8 1 14 17 4 1 3 3 48 4 4 4 1	1 0 31 2 0 10 6 3 0 3 2 27 0 3 0 1 0	0 3 3 3 9 6 6 1 4 4 1 1 1 1 1 1 1 1 1 1 1 1 0 0 1 1 1 1	
	ORDER 4—Parasitic.	2	-	_	-	-	-	-	-	2	1	1	
II. CONSTITU- TIONAL DISEASES.	Order 1.—Diathetic Gout	111111	- 1 - 1		- 1 1 -		- 1 10 1 1	1 2 9 -	11111	1 5 21 2 2	1 3 6 1 1	0 2 15 1	
	ORDER 2.—Tubercular. Scrofula Tabes Phthisis Hydrocephalus	- 5 6 9	1 1 4 -	- 1 2 2	3 1 7 2	- 43 1	- 20 -	_ - 3 -	1111	4 8 85 14	0 3 49 8	4 5 36 6	
III. LOCAL DISEASES.	Order 1.—Nervous System. Cephalitis	5 - - - 31 1	3 4 -	1 - 1 - 1	-11	2 1 - 2 1 - 2	1 8 6 1 - - 3	1 9 22 1	-1 6 	13 20 34 3 1 1 36 8	8 14 16 2 1 0 16 6	5 6 18 1 0 1 20 2	
	ORDER 2.—Organs of Circulation. Pericarditis	11111	11111	11111	1 1	_ _ _ _ _	_ _ _ 1	- 1 1 - 21		1 2 1 1 50	0 2 1 1 29	1 0 0 0 21	
	Order 3.—Respiratory Organs.  Laryngitis Bronchitis Pleurisy Pneumonia Asthma	1 23 12 -	-6 -8 -8	2 - 1 -	- 1 - 1	5   2		- 17 1 5 2	- 5 - 2 -	2 67 1 40 2	1 42 1 27 2	1 25 0 13 0	
	Carried forward	158	84	35	37	87	91	102	18	615	334	281	

### DEATHS-Continued.

	LES PROPERTY OF		A	GES	AT	DEA	TH.					
PASSES OF PISEASE.	CAUSES OF DEATH.	Under 1 year.	Under 5.	Under 10.	Under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 and upwards.	Total.	Males.	Females.
0.00	AND COLUMN ACCE OF MALES	158	84	35	37	87	94	102	18	615	334	281
III.	ORDER 4.—Digestive Organs Gastritis Enteritis Peritonitis	4		=		- 1	1 - 1	1.1.1	<u>-</u>	1 4 4	1 3 1	()
ONTINUED)	Hernia	1	111	111	111		1 -	9 -		2 1	1 1 0	1
	Obstruction of Bowels . Tumour of Palate Stomach Disease, &c Hepatitis		1111	1111		1	- 22	1 1 1		2 1 4 1 2	1 0 4 0 0	-
	Jaundice		-		-	3	2 22	4	=	9	2 2	1
	Onder 5.—Urinary Organs Nephritis	1111	1111	1	1111	1 -	3 -3	- 2 2	1111	1 4 2 5	1 2 2 1	
	Onder 6.—Organs of Generation. Uterine Disease Ovarian Dropsy		1	-	-	3	-1	-	-	4 1	0 0	1
	ORDER7 - Diseases of Organi of Locomotion. Disease of Hip Joint	-	-	-	-	2	_	_	_	2	2	
IV. DEVELOP- MENTAL DISEASES.	ORDER 1.—Diseases of Children. Premature Eirth Malformation Alalektasis Spina Bifida	14 1 1 3 10	- 1 - 3	11111	11111	11111	4	11111	11111	14 2 1 3 13	6 2 0 0 6	
	ORDER 2—Diseases of Adults Childbirth ORDER 3.—Diseases of Old	-	-	-	-	3	-	-	-	3	0	-
	Old Age	-	-	-	-	-	2	17	26	45	15	3
	Nutrition. Atrophy and Debility	37	3	-	-	-	-	-	-	40	19	-
V. VIOLENT	ORDER 1.—Accidents or Negligence.  Drowning	-	-	-	1	1	-	-	-	2	2	
DEATHS.	Fracture of Skull	1111	1111	1 -	1	- 1			1 -	1 1 1 1	0 0 1	
	Scald	1	-	=	-	1	-	-	-	1	0	
	ORDER 2.—Suicide. Cut Throat			=	-	=	1	=	=	1	1	-
	SUDDEN Cause not ascer tained or not specified .	-	-	-	-	-	6	_	-	6	4	-
	Total	232	92	37	39	105	120	134	47	806	417	38

### REPORT BY SEWERS SURVEYOR

Of Work executed from Lady-day, 1870, to Lady-day, 1871.

GENTLEMEN,

I beg to report upon the works carried out by me during the preceding year.

Sewers have been constructed by the Board in the following localities, viz.:

1,000ft.				196	14	1
) 131tt.	12in.	33	***			
210ft.	12in.	"		28	8	2
} 982ft.	12in.	"		134	6	11
	131ft. 210ft.	131ft. 12in. 210ft. 12in.	131ft. 12in. " 210ft. 12in. "	131ft. 12in. " 210ft. 12in. "	131ft. 12in. " 28 210ft. 12in. " 28	210ft. 12in. ,, 28 8

£359 9 2

The Perry Vale Sewer, commenced last year, was finished and all the houses capable of being connected have been drained into the same; this much needed Sewer has been of great benefit, and rendered the drainage of the surrounding locality complete.

### VENTILATION, &c.

Great attention has been given during the past year to the Ventilation of Sewers, and a considerable number of Charcoal Ventilators have been fixed to the existing air shafts from the Sewers which are periodically inspected by me, care being taken to supply the same with fresh charcoal as often as required. Gullies out of order have been repaired, and a number of new ones have been built.

Four men are constantly employed in flushing and cleansing Sewers throughout the year under my super-intendence.

### SANITARY WORK.

To remedy a long standing nuisance three Urinals have been erected in Lewisham Village, at a total cost of £115.

The River Quaggy was cleansed, and the bottom conereted at a cost of £55 18s. 6d.

### HOUSE DRAINAGE.

205 applications have been received and granted, comprising the buildings and drainage of 324 houses, in most cases already executed. 150 houses permanently drained, and 22 temporarily drained into cesspools.

The following tabular form shows the number of Notices served by the Inspector of Nuisances, Mr. Robertson, during the past year, all of which have been complied with.

To drain.	To eleanse drains.	To compel Water supply.	Nuisances.
288	20	80	61

Croydon District flowing into the Hamlet of Penge, and upon the same being represented the Croydon Board agreed to defray the cost of a temporary drain, which was contructed by this Board, until the Croydon Board had completed their System of drainage in that locality.

I am,

Your obedient Servant,
W. H. TREVERTON.

### REPORT OF SURVEYOR OF HIGHWAYS

Of Works executed from Lady-day, 1870, to Lady-day, 1871.

GENTLEMEN,

I have the pleasure to present my second annual report upon the works carried out in my department during the

past year.

The total cost of the Highways in the Parish of Lewisham, for labour, cartage, material, &c., was £6,169 10s. 3d., including the sum of £1,982 4s. 0d., the expense of the former New Cross Roads, and £881 19s. 5d. cost of laying Tar paving.

The total expenses of the Highways in Penge during the year was £1,459 1s. 9d., for cartage, labour, and material. The sum of £272 10s. 6d. for laying Tar Pavement is included in the above sum.

I have no hesitation in saying that the roads generally in the District have improved during the past year. They are in better form, and several additional gullies have been put in. It will, however, take some time (without a large increase of expenditure) to bring them up to the standard I should like to see them at. The roads that require the most attention are Stanstead Lane and Brockley Lane. In fact these roads have never been properly made, and it is not many years since they were mere tracts. Now they are two important thoroughfares.

I am anxious to substitute a better material for the maintenance of some of the roads than flint and gravel-flint and gravel being too absorbent—but as it would involve a large outlay to do them at once, I recommend that they may be done gradually.

The Steam Roller was used for the first time in this Parish in November and December, and was employed in

would be found very beneficial, for it consolidates the metal at once upon the roads, and ensures an uniform surface which is most desirable.

Two of Smith's Patent Sweeping Machines, purchased by your Board have been used with the greatest advantage, and I hope next year to have a larger number of slop mearts, and avoid delay as much as possible in clearing the streets of mud.

### WATERING.

Most of the Watering in Lewisham and Blackheath Village was done by the Board's men and horses; the Watering in Sydenham and Forest Hill, &c., at a contract price of 8s. 3d. per horse and man; and in the Hamlet of Penge, 7s. per man and horse.

The total cost of the watering in the Parish of Lewisham during the year was £2,189 1s. 5d., and in the Hamlet of Penge, £629 16s. 5d. 20½ miles of roads were watered in

Lewisham, and 71 in Penge.

### LIGHTING LEWISHAM.

There are upwards of 819 lamps in the Parish of Lewisham, 469 of which are lighted by the Crystal Palace District Gas Company at a contract price of £4 5s. per lamp per annum, and 350 lighted by the Phænix Gas Company at a contract price of £4 13s. 4d. per lamp per annum.

45 new lamps were erected during the year.

### LIGHTING PENGE.

261 lamps are lighted in the Hamlet by the Crystal Palace District Gas Company at a contract price of £4 5s. per lamp per annum.

10 new lamps were erected during the year.

### KERBING AND CHANNELLING.

The following Kerbing and Channelling was laid by Messrs. Mowlem and Co., under my direction.

Where laid.	0	lost.	
Blackheath Division.  Montpelier Vale, Tranquil Vale .	£51	18	11
Lewisham Division.  Loampit Hill and Vale, Lewisham  Village, to George Lane, Eliot  Hill, and Lewisham Hill	2020	17	4
Sydenham And Forest Hill Division.  London Road, Dartmouth Road,  Sydenham Hill Road, High Street,  Sydenham Grove, Kirkdale	1761	10	3
	£3,834	6	6

The above is the total value of the work executed and defrayed by a Loan.

### PENGE.

In my last Report I could not give the cost of the Kerbing and Channelling laid as it had only commenced. The total cost of the Kerbing and Channelling laid during the past two years is £949 17s. 3d., and was laid in the Croydon Road, Hawthorne Grove, Oakfield Road, Dulwich Road, Tudor Road, Jasmine Grove, Anerley Road, and Hamlet Road.

### TAR PAVEMENT.

The following Tar Pavement was laid by the Board's men under my direction.

BLACKHEATH DIVISION.	Superficial yds.
Montpelier Row, Royal Parade, Montpelier	r
Vale	. 1681
From Parish Church to "Roebuck" Inn from Park Street to Hither Green Lane Path from turning to Lewisham Station to	,
near Jerrard Street	. 7419
Sydenham and Forest Hill Division.  Path from Sydenham Station to Forest Hil	1

Total quantity laid . . 14916

The total cost of this was £881 19s. 5d., say 1s. 3d. per superficial yard.

Railway Station, one path along Park Road 5816

#### PENGE.

There were 4209 superficial yards of Tar pavement laid in Penge by the Board's men under my superintendence, and in the following Roads and Streets:—Dulwich Road, Hawthorn Grove, Jasmine Grove, Tudor Road, and Palace Road. The total cost of the same was £266 13s. 6d., say 1s. 4d. per superficial yard.

### IMPROVEMENTS.

Lewisham.—The Dartmouth Road, Forest Hill, being very narrow and dangerous for traffic, the Board determined to widen the Road for a considerable portion of its length to a width of 40 feet. Plans were prepared by me, and negociations were made with the owners for that purpose, and the greater portion of the work has been done. I also drew plans, &c., for the widening of a portion of Brockley Lane to a width of 50 feet, and the proceedings for the possession of the land are progressing favorably. The further portion of the Ladywell Road improvements was delayed until a compulsary purchase of the cottages, &c., had been effected, when the road in front of them was widened from

16 feet to 40 feet. The work will shortly be completed. There are other minor improvements that have been carried out.

Penge.—A most important improvement affecting the prosperity of the Hamlet was carried out by making a New Road from the Station Road to the Anerley Road, and parallel to the London Brighton and South Coast Railway. The total cost of the Road was £393 14s. 3d., including the purchase of land. Out of this sum the Metropolitan Board contributed £100, and the Residents £30, the nett cost to the Board being £263 14s. 3d. Two Drinking Fountains were erected; one in the Anerley Road and one in the Dulwich Road. The total cost of the same was £84 14s. 2d.

### NEW STREETS.

The works of paving and forming the roads in South Penge Park are finished, also Hadlow Place, and Brunswick Place, Penge.

### DUSTING.

The total cost during the year of the Dusting in Lewisham was £463 2s. 6d., and in the Hamlet of Penge £122 3s. 4d.

I have the honour to be, Gentlemen,
Your obedient Servant,
JOHN CARLINE.