

[Report of the Medical Officer of Health for Rotherhithe].

Contributors

Rotherhithe (London, England). Parish Council.

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WE, HENRY BELLSHAM and WILLIAM JOSHUA CARR, two of the Auditors appointed by the Parishioners of the Parish of Rotherhithe, in the County of London, to examine and audit the Accounts of the Vestry of the Parish of Rotherhithe, aforesaid, for the year ending 25th March, 1892, having carefully and diligently examined and investigated the Accounts of the said Vestry, for the period aforesaid, and the Vouchers in support of the same, and the Books, Papers, Instruments, and Writings in their custody or control relating thereto, do hereby certify and declare, that WE have this day audited the said Accounts of the said Vestry, at the Vestry Offices, Lower Road, Rotherhithe, in the County of London, in the presence of the following, viz.:—HENRY BELLSHAM, Chairman, and WILLIAM JOSHUA CARR, and that the said Accounts are true and correct in all particulars, and WE do allow the same accordingly, and sign the same in token of such our allowance thereof.

Given under our hands this 28th day of March, 1893.

(Signed)	HENRY BELLSHAM,	} <i>Auditors.</i>
„	WILLIAM JOSHUA CARR,	

Vestry Office: Lower Road, Rotherhithe, S.E.

VESTRY OF THE PARISH OF ROTHERHITHE, LONDON.

ACCOUNT IN ABSTRACT.

Showing the Receipts and Exp nditure for the Year ending 25th March, 1892, under the "Metropolis Local Management Act,"
18th and 19th Victoria, cap. 120.

RATE.	Cash Balance.		RECEIPTS.					PAYMENTS.						Cash Balance, 25th March, 1892.	
	In Debit.	In Credit.	Rates.	Contributions	Loans.	Interest.	Totals.	Works.	E-establish- ments.	Loans.	Water- ing.	Light- ing.	Totals.	In Debit.	In Credit.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Paving and General Pur- poses Rate ...		4241 0 0	...	...	...	...	4241 0 6	Paving Jobbing 1278 7 11 Special Pav- ing Works 626 17 11 Day Labor 2106 16 2 Cartage 1554 12 10 Stone 421 17 0 Dusting 1256 17 0 School Board 9350 18 7 Dust Pails 5 14 6 Trees, &c. 153 9 6 Accounts 564 18 0	Salaries 698 10 11 Commissn. 269 2 0 Valuation Committee 15 0 0 Rents, &c. 153 4 5 Infectious Diseases Notification Act 42 19 6 Sale of Food and Drugs' Act 16 4 0 Pub. Hlth. Acts 126 3 4 Cnl. Boats' Act 1 1 0 Accounts 215 2 7	Principal 90 19 3 Interest 381 14 1	...	...	...	2930 15 7½	
			20111 0 0	...	...	...	20111 0 0	...	...	...	...	...	1767 14 1		455 10 9
				New Streets 121 14 8	...	...	...	...	...	...	...	...	...		870 3 7
				Sundries 66 7 9	...	...	188 2 5	...	...	...	...	...	...		4256 10 0
					...	20 13 2	20 13 2	...	...	...	...	...	...
Lighting Rate			1528 0 0	...	...	...	1528 0 0	...	...	...	...	...	1539 7 9		
				2 6 1	2 6 1	...	...	...	...	...	17320 9 5		
				6 13 6	...	...	6 13 6	...	...	...	...	...	1616 12 11		
					20 13 9		
Sewers Rate ...		2425 0 0	...	...	...	...	2425 0 0	Day Labour 744 13 0 Cartage 289 7 3 Sewers 177 14 8 Urinals 215 16 1 Disinfectants 22 10 0 Accounts 87 15 7	Salaries 366 1 10 Commissn. 30 15 0 Accounts 61 14 0	...	...	...	458 10 10		
				Putting in Drains 58 8 7 New Sewer Suffolk Street 15 2 2 Sale of Old Iron 10 13 7	...	1 14 7	1 14 7	...	...	...	...	...	1537 16 7		
					94 4 4	...	...	...	...	...	24352 4 7		

VESTRY OF THE PARISH OF ROTHERHITHE, LONDON.

GENERAL ABSTRACT OF WORKS

Executed under Contracts, Agreements, &c., for Special and General Works, for the year ending 25th March, 1892.

[illegible]

VESTRY OF THE PARISH OF ROTHERHITHE, LONDON.

ABSTRACT OF WORKS

Executed under Contracts, Agreements, &c., for Special and General Works
for the Year ending 25th March. 1892.

Rate.		Lighting.	Contributions.	Commission.	Sundries.	Total.
		£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
LIGHTING						
	South Metropolitan Gas Co. ...	1616 12 11	...	...	...	1616 12 11
	Sundries ... ..	...	...	...	6 13 6	6 13 6
	Collector's Commission ... ..	...	...	20 13 9	...	20 13 9
						1644 0 2

VESTRY OF THE PARISH OF ROTHERHITHE, LONDON.

ABSTRACT OF WORKS

Executed under Contracts, Agreements, &c., for Special and General Works, for the year ending 25th March, 1892.

RATE.	BRICK SEWER.	COST. £ s. d.	PIPE SEWER.							COST. £ s. d.	Openings to Sewers.					COST. £ s. d.	Repairs and Alterations to Sewers and Gulleys. £ s. d.	Cleansing including Flushing, Carting, Lifting, Cartage, and Repairs caused thereby. £ s. d.	Incidental Works. £ s. d.	Improvement Work. £ s. d.	TOTAL. £ s. d.
			Iron. £ s. d.	Stoneware.							Side Entrance. £ s. d.	Air & Flushing Shaft. £ s. d.	Gulleys. £ s. d.	Drain Mouths. £ s. d.	Flaps. £ s. d.						
				18 in.	15 in.	12 in.	9 in.	6 in.	4 in.												
SEWERS					12	...	...	...	2 8 0											38 3 0
					40	...	...	...	6 10 0											
					260	...	...	...	29 5 0											
									38 3 0												
										1					2 19 11					2 19 11	
											3				3 19 6					3 19 6	
												7			31 10 0					31 10 0	
													15		27 19 0					27 19 0	
															19 2 11					19 2 11	
															1051 15 3					1051 15 3	
																17 6 8				17 6 8	
																		2 0 7		2 0 7	
Total ...																			£1194 16 10		

VESTRY OF THE PARISH OF ROTHERHITHE, LONDON.

SUMMARY STATEMENT OF ALL CONTRACTS

Entered into by the Vestry in the year ending 25th March, 1892, and of all Contracts subsisting at the commencement of that year, and continuing during the same; and of the works commenced and completed in the year ending 25th March, 1892, and the works remaining in progress at the termination of the same year.

CONTRACTS FOR THE PERFORMANCE OF SPECIAL WORKS.

Rate.	Date of Contract.	Locality.	Name of Contractor.	Nature of Works to be performed.	Contract Price.	Quantity of work commenced and completed during the year.	Amount of extra work.	Actual cost of Works.
					£ s. d.	£ s. d.	£ s. d.	£ s. d.
Paving & General Purposes	12th Feb., 1891	Railway Avenue ...	A. C. W. Hobman & Co.	Curbing, making up and tar paving Railway Avenue.	320 0 0	320 0 0	—	320 0 0
Ditto ...	17th Feb., 1891	Suffolk Street Extension ...	J. H. Etheridge ...	Curbing, making up and paving Suffolk Street Extension	306 17 11	306 17 11	—	306 17 11
Ditto ...	14th July, 1891	Rotherhithe Street, from Church Street to Swan Lane.	Turner, Son, and Evanson	Taking up, re-dressing and re-laying the curb and carriage paving, and the substitution of new Guernsey granite cubes, where necessary or directed, and re-forming and making good footways	At a Schedule of prices.	631 18 3	—	631 18 3
Sewers ...	29th Sept., 1891	Between Neston Street and Dodds Place	John Hoare & Son	Taking up the Brick Barrel Sewer between Neston Street and Dodds Place, and providing and executing a stoneware highly glazed pipe sewer in lieu thereof	146 0 0	—	—	—

VESTRY OF THE PARISH OF ROTHERHITHE, LONDON.

CONTRACTS FOR THE PERFORMANCE OF GENERAL WORKS AND SUPPLY OF MATERIALS

Subsisting at the commencement of, or entered into during the year ending 25th March, 1892.

Rate,	Date of Contract.	Name of Party with whom Contract was made.	Nature of Works to be performed, and Materials to be supplied.	Observations.
Paving and General Purposes.	25th March, 1891	William Stotesbury	Dusting (Vestry to pay the Contractor £1,300) and for removal of trade refuse at 3s. per cubic yard	Entered into for One Year from 25th March, 1891.
" "	25th March, 1891	Frederick Shaw & Co.	Printing and Stationery, at per Schedule of Prices	Ditto.
" "	23rd March, 1891	James Henry Etheridge	Paving Jobbing Works, at per Schedule of Prices	Ditto.
" "	24th March, 1891	A. T. Hobman & Son	Team Hire and Cartage, at per Schedule of Prices	Ditto.
" "	1st Sept., 1891	John Oakley & Co.	Construction and supply of a Van for removing infected clothing and bedding.	To be delivered within Seven Weeks
Lighting	25th March, 1891	The South Metropolitan Gas Company	For Lighting the Public Lamps with Gas, and maintenance of Lamp columns and fittings, at £3 3s. 9d. per lamp per annum	—
Sewers	23rd March, 1891	John Hoare & Son	Sewers General Jobbing Works, at per Schedule of Prices	Entered into for One Year from 25th March, 1891.

VESTRY OF THE PARISH OF ROTHERHITHE, LONDON.

Statement and Account of Arrears of Rates and other moneys owing to, and of all Mortgages, Debts, and Liabilities owing by the Vestry on the 25th March, 1892.

Rate.	Moneys owing to the Vestry.					Debts and Liabilities owing by the Vestry.					Total.
	Cash Balance.	Due from Overseers.	Contributions	Loan.	Total.	Cash Balance.	Loans, Mortgages, &c.		Special Contracts Outstanding.	Tradesmen's Bills and Accounts.	
Paving ...	£ s. d. 2930 15 7½	£ s. d. ...	£ s. d. ...	£ s. d. ...	£ s. d. 2930 15 7½	£ s. d.	£ s. d. Eagle Insurance Company 500 0 0 Atlas Assurance Company 1340 0 0 Atlas Assurance Company 550 0 0 L. C. C. No. 14 1596 0 0 L. C. C. No. 16 1000 0 0 L. C. C. No. 17 1080 0 0 L. C. C. No. 18 196 0 0 L. C. C. No. 19 3000 0 0		£ s. d. ...	£ s. d. 3607 10 9	£ s. d. 3607 10 9
Lighting ...	455 10 9½	...	...	...	455 10 9½					426 13 9	426 13 9
Sewers ...	870 3 7	...	...	...	870 3 7					128 14 4	128 14 4
					4256 10 0						212404 12 10

VESTRY OF THE PARISH OF ROTHERHITHE, LONDON.

*Summary Statement.**One Year ending 25th March, 1892.*Paving and General Purposes Account.

	£	s.	d.
To Balance on 25th March, 1891	3,329	10	6 $\frac{3}{4}$
„ Cash from Overseers of the Poor, on account of Paving Rates	20,111	0	0
„ Interest on current account with London and Westminster Bank	20	13	2
„ Contributions from Owners towards Paving New Streets	121	14	8
„ The Metropolitan Asylums Board, return of Fees paid by the Vestry to Medical Practitioners under the Infectious Diseases (Notification) Act	44	10	0
„ Fees received under Canal Boats' Act	0	10	0
„ Rents under Agreements	6	16	0
„ Sundry Contributions	14	9	1
„ Amount overpaid into Bank... ..	0	2	8

£23,649 6 1 $\frac{3}{4}$

	£	s.	d.
By Salaries	698	10	11
„ Commission	269	2	0
„ Rents, Rates, and Taxes	155	4	5
„ Paving Jobbing Works	1,278	7	11
„ Day Labour	2,106	16	2
„ Cartage... ..	1,554	12	10
„ Broken Stone, &c., for Roads... ..	421	17	0
„ Watering Roads	90	19	3
„ Loans Repaid and Interest	1,767	14	1
„ Valuation Committee Expenses	15	0	0
„ Removing Dust	1,256	17	0
„ Printing, Stationery, &c.	89	14	0
„ Expenses under Sale of Food Act	16	4	0
„ Expenses under Nuisances Removal and Public Health (London) Act, 1891	126	3	4
„ London School Board Precept	9,350	18	7
„ Expenses of Ballot for Vestrymen	55	7	8
„ Galvanised Iron Dust Pails	5	14	6
„ Expenses under Infectious Diseases (Notification) Act	42	19	6
„ Expenses under Canal Boats' Act	1	1	0
„ School Board Election Expenses	64	0	11
„ Planting Trees, &c.	153	9	6
„ Paving Railway Avenue	320	0	0
„ Paving Suffolk Street	306	17	11
„ Amount overpaid for paving Railway Avenue returned	25	11	3
„ Hill and Bell's Charity	6	0	0
„ Tradesmen's Bills, &c.... ..	539	6	9

Balance £20,718 10 6
2,930 15 7 $\frac{1}{4}$

£23,649 6 1 $\frac{3}{4}$

	£	s.	d.		£	s.	d.
To Balance on 25th March, 1891	555	17	10½	By Lighting, One Year	1,616	12	11
„ Cash received from Overseers on account of Lighting Rate	1,528	0	0	„ Commission	20	13	9
„ Interest on current account at London and Westminster Bank	2	6	1				
„ Sundry Contributions	0	12	6				
„ Lighting Private Lamp, Warndon Street	6	1	0	Balance	455	10	9½
	£2,092	17	5½		£2,092	17	5½

[illegible]

The Thirty-sixth General Report

OF THE

VESTRY OF THE PARISH OF ROTHERHITHE,

LONDON,

For the Year ending 25th March.

1892.

During the past year 27 General and Special Meetings, and 24 Committee Meetings have been held.

Sewers Work.

The following lengths of Pipe Sewers have been laid during the year, viz.:—

12 feet of 12-inch pipe.

40 „ 9 „

260 „ 6 „

One Side Entrance, three Air and Flushing Shafts, seven Gulleys, and fifteen Drain Mouths have been formed and constructed, the cost of which in detail is shown in the General Abstract at page 7 hereof.

The following is a statement of applications made to the Vestry to drain houses and premises, and the result consequent thereon:—

Number of Notices received.	Number of Houses permanently drained into covered sewers.	Buildings and premises other than houses drained.	House Drains cleared.	Total number of Houses and Buildings inspected for drainage.
15	—	—	36	36

The following applications for the erection and drainage of new Houses and Buildings have also been checked and approved:—

Number of Notices.	Number of Houses.	Additions to Houses.	Other Buildings.	Total Number of New Buildings.
26	6	17	11	34

Messrs. Hoare & Son, of 74, Blackfriars Road, are the Contractors for Sewers Jobbing Works, as per Schedule of prices. (For particulars of Contract see page 9).

Complaints having been made as to the inefficiency of the Sewer between Neston Street and Dodds Place, into which certain houses and premises in Rotherhithe Street were drained, the Vestry instructed the Surveyor of Sewers to report as to the cost of taking up the old barrel drain and laying a 12-inch pipe Sewer in Concrete with the necessary manholes in lieu thereof. The Surveyor of Sewers subsequently submitted an estimate from Messrs. John Hoare & Son, the Vestry's Contractors, at the sum of £146, which was accepted, and the work has been carried out.

The London County Council having written to the Vestry stating it had occurred to them in considering the question of Sewer ventilation, that its efforts in that direction would be greatly

assisted if the Vestry would, previously to sanctioning the construction of any new Sewers in this Parish, make a provision to the following effect:—

That the person or persons constructing such Sewers should undertake to form in connection with them a proper number of road ventilators, as well as a sufficient number of ventilating pipes or shafts, to be carried up the buildings when erected abutting upon the streets ;

And asking that the Vestry would, should it meet with their concurrence, give effect to the suggestion, the Vestry referred the letter to the Surveyor of Sewers for attention.

Circular Iron Urinals have been provided and fixed in the public thoroughfares, in the following positions, viz.: Rotherhithe New Road, opposite Bush Road, to accommodate five persons, and at the junction of Hawkstone Road and Old Road, opposite the East London Railway Station, to accommodate five persons, at a cost of £160 0s. 1d. Lamps have been affixed to the summit thereof and lighted, and agreements entered into with the Southwark and Vauxhall Water Company for the supply of water thereto.

The Sewers' Flushers having applied for an increase of wages and for an annual holiday, the Vestry referred the matter to the General Purposes Committee, who carefully considered the reference to them, and upon their recommendation it was resolved that no addition be made to the present rate of wages paid the Sewers' Flushers, viz.: 30s. per week, but that a week's holiday be granted annually in addition to the statute holidays.

Paving Works.

The following Materials have been used during the year, viz.:—

Broken Guernsey Granite...	...	...	...	167 cubic yards
Gravel	...	...	...	88 „
Slop and Snow carted	...	...	...	6720 loads
Water for watering roads	...	...	...	5967 van loads.
Broken Stone	...	...	...	224 loads
Hard Core	...	...	...	45 „
Materials carted	...	...	...	436 „
Hoggin	...	...	...	125 yards

The carriageway, Rotherhithe Street, from the east side of Swan Lane to the west side of Church Street, next the churchyard of St. Mary's Church, has been relaid, about 500 yards being executed with new 4×7 Guernsey Granite pitching, and the remainder with the pitching taken up, properly redressed, the whole being laid upon 6 inches of Concrete. The footway on the south side thereof has been widened on an average about one foot and on the north side reduced to a like extent and the paving relaid. The work has been carried out by Messrs. Turner, Son, and Evanson, at a schedule of prices, particulars of which will be found on page 8 hereof.

Prospect Place, Debnams Road, has been made up and paved under the Paving Jobbing Contract, and the cost thereof apportioned for payment upon the owners of the property abutting thereon, and liable to the same. Estimated cost £36 16s. 5d.

The Vestry has accepted the Tender of Mr. J. H. Etheridge for paving the carriageway, Albion Street, from Lower Road to Clarence Street, with new 4×7 Aberdeen Granite cubes upon 9 inches of Concrete, also to reset the curb and relay the footways, replacing with new curb and York paving where necessary. Estimated cost £3,567 7s. 6d. Application has been made to the London County Council to advance to the Vestry on Loan the sum of £4,000, to defray the cost thereof, and incidental thereto.

The carriageway of Oak Place, from Clarence Street to the new gates leading to Messrs. E. Wells & Sons' premises, has been paved with redressed 4×7 pitching on six inches of Concrete, and the footways widened to 3 feet 3 inches, and the paving relaid.

The Tar Paving of Railway Avenue has been completed by Messrs. A. C. W. Hobman & Co. (particulars of Contract will be found at page 8.)

The Paving of Suffolk Street extension has been completed by Mr. J. H. Etheridge (particulars of cost, &c., which has been paid by the owners of property abutting thereon will be found at page 8.)

The Vestry has resolved to relay the carriageway of Rotherhithe New Road on the south side of the portion maintained by the Tramway Company, upon 9 inches of Concrete, the work to be executed by men in the employ of the Vestry, and under the superintendence of the Surveyor of Pavements.

The London County Council having communicated copies of Bye-laws made by them under the Highways and Locomotives (Amendment) Act, 1878, and the other Acts relating to the licensing and use of Locomotives in the County of London (exclusive of the City of London), the Vestry resolved that their Officers report any infringement that may come under their notice to the Council.

Paving Jobbing Works.

Mr. James H. Etheridge is the Contractor for Paving Jobbing Works at a schedule of prices (for particulars of same see page 9.)

Lighting.

The total number of ordinary lamps lighted by the South Metropolitan Gas Company is 477, at a cost of £3 3s. 9d. per lamp per annum, inclusive of maintenance. Five special lamps, namely: at urinal, Derrick Street; entrance to Park, Lower Road; corner of Gomm Road; at entrance to Vestry Offices; and in Union Road, opposite Paradise Street, at rates varying from £5 11s. 0d. to £9 1s. 0d. per lamp per annum, and four Suggs' lamps by meter at 2s. 3d. per 1,000 feet, less 5 per cent. discount upon payment within one month from quarter day.

Lamps are maintained over urinals, Union Bridge, and opposite "John Bull" public-house, Southwark Park Road, at the joint expense of this Parish and Bermondsey.

The Vestry bear the expense of lighting the tower clock of Christ Church, Union Road.

The South Metropolitan Gas Company notify an increase in the price of Gas from 2s. 3d. to 2s. 6d. per 1,000 feet, from Michaelmas, 1891, but as they believe the increase will be temporary only, they had decided to make no addition to the present charge for ordinary public lamps, viz.: £3 3d. 9d. per lamp per annum, and under those circumstances any further reduction in such charge would be delayed until the price of Gas fell below 2s. 3d.

Cleansing, Watering, &c.

Messrs. A. T. Hobman & Son still contract for the supply of Men, Horses, and Carts, and for the removal of the Sweepings from the whole of the roads and streets to a shoot to be provided by them.

Messrs. Hobman & Son also continue to contract for the supply of Horses, Harness, and Drivers for the Vestry's Water Vans. (See page 9).

Dusting.

Mr. William Stotesbury is the Contractor for the removal of Dust, Ashes, &c., out of the Parish ; also for the removal of Trade Refuse, at 3s. per yard. (For particulars of Contract see page 9.)

Sanitary Work.

The Sanitary Inspector's (Mr. Joseph Edwards) salary has been increased from £3 to £3 10s. per week, commencing the first Saturday in January, 1892.

The Medical Officer of Health and Sanitary Inspector have been appointed, with their Assistants, the Officers of the Vestry to take all such steps as may be necessary for the purpose of carrying into effect the provisions of the Public Health (London) Act, 1891.

The Local Government Board having called the attention of the Vestry to the necessity of taking the most energetic measures in connection with cases of small-pox, by way of securing as far as possible, the isolation of the patient, the vaccination of any persons who may have been exposed to infection, the disinfection of the premises, and any further action which the circumstances will admit of, for the purpose of checking the extension of the disease ; also stating they deemed it desirable that the authority should, as regards each case, be informed precisely of the measures which had been taken by the Medical Officer of Health, and asking to be furnished with copies of the Reports made by him on the subject, the Vestry had resolved that the letter be acknowledged and referred to the Medical Officer of Health for attention.

The Vestry having had under consideration the question of the provision of a yard or place for the use of the Sanitary Department, they resolved that a portion of the open shed in the stone yard be boarded in and utilised for that purpose. The necessary alterations were carried out

under the direction of the Surveyor of Pavements, and the keys thereof handed over to the proper officers. It was further resolved that no article of a nature likely to cause infection be taken into the same.

Mr. Beasley having given Notice of Motion, as follows:—

2nd June, 1891.

“I hereby give notice that at the next meeting of the Vestry I shall move that a proper conveyance be provided for the removal of infected articles of bedding and clothing to the place of disinfection or destruction”—

the same was subsequently agreed to, and a contract entered into with Messrs. Oakley & Co., for the supply of such a van which has been supplied at a cost of £38 12s. 6d.

Removal of Nuisances, &c.

Inspector's Report from 1st January to 31st December, 1891.

Houses and Premises inspected ...	857	Houses closed, being unfit for human habitation ...	23
Complaints received (sanitary defects) ...	559	Magistrate's Orders obtained ...	12
Notices served for Abatement of Nuisances ...	348	Bodies removed to mortuary, awaiting interment ...	4
Infectious cases removed to Hospital ...	130	Dust Complaints received ...	22
Houses, &c., disinfected ...	127	Bake-houses	} Regularly inspected.
Bedding and Clothes purified ... lots	99	Slaughter-houses	
Bedding destroyed and Compensation allowed ... lots	15	and Cow-houses	
Summonses issued for Abatement of Nuisances ...	27	Two trunks of Fish condemned and destroyed, being unsound.	

J. EDWARDS, *Sanitary Inspector.*

Slaughter-houses.

Three Notices were received in September, 1891, from Butchers, of their intention to apply to the London County Council for Licences for Slaughter-houses, and they having been severally inspected by the Medical Officer of Health, were all duly licensed by the Council.

Cow-houses.

Five Cow-houses were licensed by the London County Council, they having been previously inspected by the Medical Officer of Health.

Bake-houses.

The Bake-houses throughout the Parish have been duly inspected by the Medical Officer of Health.

Sale of Food and Drugs Act, 1875.

The following are copies of Dr. John Muter's (the Analyst) Reports for the year ending 31st December, 1891.

Report of the Public Analyst appointed for the Parish of Rotherhithe, London, upon the Articles analysed by him under the above Act during the quarter ending the 25th March, 1891.

Article submitted for Analysis.	State whether the sample was submitted to the Analyst by an Officer acting under the direction of a Local Authority, under Section 13 of Act, and if so, the name of such Authority.	Result of the Analysis; showing whether the sample was Genuine or Adulterated, and if Adulterated, what were the nature and extent of the Adulteration.	The sum paid in respect of the Analysis.	Observations.
Milk	Inspector of Vestry.	Genuine	10s. 6d.	Two of these samples were very poor, and probably adulterated, but I deemed it advisable to give them the benefit of the doubt, and pass them as legally genuine. The per centage of actual definite adulteration detected during the quarter is about 17 per cent.
Do.	Do.	Do.	10s. 6d.	
Do.	Do.	Do.	10s. 6d.	
Do.	Do.	20% of added water	10s. 6d.	
Do.	Do.	Genuine	10s. 6d.	
Do.	Do.	Do.	10s. 6d.	
Do.	Do.	Do.	10s. 6d.	
Do.	Do.	20% of added water	10s. 6d.	
Do.	Do.	Genuine	10s. 6d.	
Do.	Do.	Do.	10s. 6d.	
Do.	Do.	Do.	10s. 6d.	
Do.	Do.	Do.	10s. 6d.	
Do.	Do.	Do.	10s. 6d.	
Do.	Do.	Do.	10s. 6d.	

Total numbers of Samples analysed during the quarter, 12.

(Signed), JOHN MUTER, Ph.D., F.R.S.E., *Public Analyst.*
31st March, 1891.

Report of the Public Analyst appointed for the Parish of Rotherhithe, London, upon the Articles analysed by him under the above Act during the quarter ending the 30th September, 1891.

Article submitted for Analysis.	State whether the sample was submitted to the Analyst by an Officer acting under the direction of a Local Authority, under Section 13 of Act, and if so, the name of such Authority.	Result of the Analysis ; showing whether the sample was Genuine or Adulterated, and if Adulterated, what were the nature and extent of the Adulteration.	The sum paid in respect of the Analysis.	Observations.
Mustard	Inspector of Vestry	Genuine	10s. 6d.	These figures show that very nearly three-quarters of the articles examined were found to be adulterated.
Coffee	Do.	50% of Chicory	10s. 6d.	
Do.	Do.	60% „	10s. 6d.	
Bread	Do.	Genuine	10s. 6d.	
Butter	Do.	75% of Margarine	10s. 6d.	
Do.	Do.	100% „	10s. 6d.	
Do.	Do.	75% „	10s. 6d.	
Do.	Do.	Genuine	10s. 6d.	
Milk	Do.	18% of water added	10s. 6d.	
Do.	Do.	12% „	10s. 6d.	
Do.	Do.	Slightly deficient in cream	10s. 6d.	
Do.	Do.	Genuine	10s. 6d.	
Do.	Do.	20% of water added	10s. 6d.	
Do.	Do.	7% „	10s. 6d.	

Total number of Samples analysed during the quarter, 14.

(Signed) JOHN MUTER, Ph.D. F.R.S.E., *Public Analyst.*

2nd October, 1891.

No Samples of Food or Drugs were submitted to the Analyst during the quarters ending respectively 30th June, 1891, and 31st December, 1891.

Canal Boats Act, 1877 and 1884.

The following is a copy of the Annual Report of the Vestry (the Registration Authority in regard to the Grand Surrey Canal) to the Local Government Board, as to the execution of the above Acts within their District for the year ended 31st December, 1891.

The Annual Report of the Vestry of the Parish of Rotherhithe (the Registration Authority in regard to the Grand Surrey Canal) to the Local Government Board, as to the execution of the Canal Boats Acts, 1877 and 1884, within their District, for the year ended 31st December, 1891.

- (1) The Inspector visits the Grand Surrey Canal once a fortnight.
- (2) Number of Boats inspected in 1891—16.
- (3) Infringement of Acts and Regulations.
 - (a) Registration—None.
 - (b) Notification of change of Master—None
 - (c) Absence of Certificate—One.
 - (d) Marking—None.
 - (e) Overcrowding—None.
 - (f) Separation of Sexes—None.
 - (g) Cleanliness and Ventilation—In two cases Notices have been served upon the Owners to repair and paint Cabins.
 - (h) Removal of Bilge Water—None.
 - (i) Notification of Infectious Diseases—None.
 - (j) Refusal of admittance to Inspector—None.
- (4) No legal proceedings have been taken.
- (5) No other steps have been taken to secure compliance with the Acts and Regulations as regards infringements.
- (6) No cases of Infectious Disease have occurred.
- (7) No Boats have been detained for cleansing and disinfection.
- (8) Number of Boats on Register—18.

- (9) Boats registered 1891—2. One boat has been re-registered with Port of London Sanitary Authority, and previous Certificate cancelled.

Dated this Twenty-second day of January, 1892,

(Signed) JAMES J. STOKES,

Clerk to the Vestry.

Financial.

£9,500 has been paid off the Loan of £10,000, borrowed in the year 1872, of the Eagle Insurance Company, for Paving the Carriageway in the Lower Road, from the Surrey Commercial Dock entrance to the "Red Lion" public-house, leaving £500 to be repaid 4th June, 1892, with interest at £5 per cent. per annum.

£5,360 has been paid off the Loan of £6,700, borrowed in the year 1875, of the Atlas Assurance Company, for paving the Carriageway of Plough Road and Rotherhithe Street, from Lavender Bridge eastward, leaving £1,340 to be repaid by four annual instalments of £335, with interest at the rate of £3 15s. 0d. per cent. per annum.

£1,650 has been paid off the further Loan of £2,200, borrowed in the year 1876, of the Atlas Assurance Company, for Paving the Carriageway at Broadway, Paradise Street; also the Carriageway, Church Street, leaving £550 to be repaid by five instalments of £110 on the 4th day of July in each year, with interest at the rate of £4 5s. 0d per cent. per annum.

£504 has been paid off the Loan of £2,100, borrowed in August, 1880, of the late Metropolitan Board of Works, towards defraying the expenses of the purchase of the ground for the improvements of Rotherhithe Street at the Gas Works and at Carolina Wharf, leaving £1,596, to be repaid by thirty-eight instalments of £42 each on the first day of October in each year, with interest at the rate of £3 15s. 0d. per cent. per annum.

£1,000 has been paid off the Loan of £2,000, borrowed in November, 1881, of the late Metropolitan Board of Works towards defraying the expense of Paving the Carriageway and Footways, Rotherhithe Street, at the Gas Works and Carolina Wharf, leaving £1,000 to be repaid by ten annual instalments of £100 on the 31st day of October in each year, with interest at the rate of £3 15s. Od. per cent. per annum.

£720 has been paid off the Loan of £1,800, borrowed in November, 1883, of the late Metropolitan Board of Works towards defraying the expenses of Paving Commercial Dock Road, from the Engineer's office, Surrey Commercial Docks, to the east corner of Elgar Street, leaving £1,080 to be repaid by twelve annual instalments of £90 on the 1st day of October, with interest at the rate of £3 10s. Od. per cent. per annum.

£54 has been paid off the Loan of £250, borrowed in July, 1885, of the late Metropolitan Board of Works towards defraying a portion of the expense of the purchase of a house No. 69, Abbeyfield Road, for the formation on the site thereof of a passageway from the said Abbeyfield Road to the wicket-gate entrance to Southwark Park in Dilston Grove, leaving £196 to be repaid by twenty-four instalments on the 1st day of April in each year, with interest at the rate of £3 10s. Od. per cent. per annum.

£1,000 has been paid off the Loan of £4,000, borrowed in October, 1886, of the late Metropolitan Board of Works, towards defraying the expense of Paving the Carriageway, Rotherhithe New Road, from Bush Road westward, to the viaduct of the South Eastern Railway; also the Carriageway of Raymouth Road, leaving £3,000 to be repaid by fifteen instalments of £200 each, on the 31st day of July in each year, and interest at the rate of £3 10s. Od. per cent. per annum, payable quarterly.

Charity Estates.

The Accounts of Messrs. Francis Thomas Talbot and James Wigginton, Churchwardens of the Parish of St. Mary, Rotherhithe, for the year 1891-92, have been audited, and the following is a copy thereof;—

STATEMENT OF CHURCHWARDENS' ACCOUNTS FOR THE YEAR 1891-92.

Receipts and Expenditure, ST. MARY'S CHURCH and ST. PAUL'S CHAPEL OF EASE.

Dr.	£	s.	d.	Cr.	£	s.	d.
To Donations	123	2	11½	By Disbursements, St. Mary's ...	142	4	2½
„ Offertory, St. Mary's	50	15	11	„ „ St. Paul's ...	37	15	6
„ „ St. Paul's	5	5	10				
„ Passing Bell Fee	0	15	0				
	£179	19	8½		£179	19	8½

Details of this Account can be seen at the Parochial Offices.

Receipts and Expenditure, STRATFORD and PLAISTOW (1645-1659).

Dr.	£	s.	d.	Cr.	£	s.	d.
To Balance	207	0	2	By Bread Accounts	284	14	0
„ Ground Rents <i>re</i> Plaistow Estate	164	3	10	„ Sundry Accounts	1	3	0
„ „ „ <i>re</i> Stratford	71	13	4	„ Deposit Balance Notes, Lacy's Bank	£150	7	4
				„ Cash	6	13	0
					157	0	4
	£422	17	4		£442	17	4
To Balance	£157	0	4				

Details of this Account and the names of the 219 recipients of these Charities can be seen at the Parochial Offices.

Receipts and Expenditure, SMITH'S CHARITY (1642.)

Dr.	£	s.	d.	Cr.	£	s.	d.
To Amount received from Trustees	47	0	0	By 185 Doles of 5s.	46	5	0
„ Interest	0	2	10	Balance	0	17	10
	£47	2	10		£47	2	10

HILL AND BELL'S CHARITY (1613).

Dr.	£	s.	d.	Cr.	£	s.	d.
To Amount from Rector	£3	0	0	In Churchwardens' hands	£3	0	0

Receipts and Expenditure, BENNET'S CHARITY (1620).

Dr.	Cr.
To Amount from Poor Rate ... £9 0 0	By Churchwardens and Overseers, 180 1s. Tickets £9 0 0

The Books of Tickets, giving the names of recipients, can be seen at the Parochial Offices.

Receipts and Expenditure, EMBLETON AND HORNCASTLE'S CHARITIES (1811).

Dr.		£	s.	d.		Cr.		£	s.	d.
To Dividends per the Rector	...	4	12	4		By 46 poor persons' Gifts at 2s. each		4	12	0
						" Balance		0	0	4
		<hr/>						<hr/>		
		£4	12	4				£4	12	4
		<hr/>						<hr/>		

The names of the recipients and details of Account can be seen at the Parochial Offices.

Receipts and Expenditure of COAT AND CLOAK CHARITY (1839).

Dr.		£	s.	d.	Cr.	£	s.	d.
To Dividends per the Rector	...	5	7	4	By Balance due to Treasurer...	0	1	3
					„ Jackson & Co.—Three Cloaks at £1	3	0	0
					„ „ Three Coats at 15s.	2	5	0
					„ Balance	0	1	1
		<hr/>				<hr/>		
		£5	7	4		£5	7	4
		<hr/>				<hr/>		

The names of the recipients can be seen at the Parochial Offices.

Receipts and Expenditure of KIDD'S CHARITY (1851).

[illegible]

The names of the recipients can be seen at the Parochial Offices.

Receipts and Expenditure of SPRUNT'S CHARITY, (1877).

Dr.	£	s.	d.	Cr.	£	s.	d.
To Dividends per Mr. R. Foottit ...	4	18	8	By six Widows' Gifts at 17s. 6d. each	5	5	0
„ Donation by Churchwardens ...	0	6	4				
	<hr/>				<hr/>		
	£5	5	0		£5	5	0
	<hr/>				<hr/>		

The names of the recipients can be seen at the Parochial Offices.

PARISH CLOCK REPAIR FUND.

Dr.	£	s.	d.	Cr.	£	s.	d.
To Donations	84	18	0	By Messrs. Gillett & Johnson, Repairs to Clock	80	1	6
				„ Lemmon & Co., Printing... ..	1	13	0
				„ Church Tower Attendant... ..	1	10	0
				„ White, Carpenter	1	13	6
	<hr/>				<hr/>		
	£84	18	0		£84	18	0
	<hr/>				<hr/>		

Audited and found correct,

W. J. CARR,
H. BELLISHAM,
T. R. BUNTING, } *Auditors.*

FRANCIS T. TALBOT, }
JAMES WIGGINTON, } *Churchwardens.*

27th September, 1892.

Baths and Wash-houses.

At a Meeting of the Vestry, held 3rd November, 1891, Messrs. Thomas William Clarke and Ralph Westall Walker, the retiring Commissioners, were re-elected Commissioners for Public Baths and Wash-houses for this Parish for the ensuing three years, and Messrs. Henry Lovell Bartlett and Charles Jollands Thompson were re-elected Auditors of the Commissioners' Accounts for one year.

The names of the Commissioners are as follows, viz.: Messrs. John Bulmer (Chairman), Thomas William Clarke (Vice-Chairman), Edward James Talbot, Lawrence Stevens, L.C.C., Ralph Westall Walker, Samuel Brownfield, and Robert Leishman Stuart.

Baths and Wash-houses—Continued.

The following is a copy of the Balance Sheet for the year ending 25th March, 1892:—

LOANS ACCOUNT.

	£	s.	d.
Balance on 25th March, 1891 ...	4	4	2
Cash received from Overseers ...	1600	0	0
Transferred from Working Account ...	55	10	6
(profit)			
	<u>£1659</u>	<u>14</u>	<u>8</u>

	£	s.	d.	£	s.	d.
By Instalments off Loans	970	13	4			
„ Interest on Loans	689	1	4			
		<u>1659</u>	<u>14</u>		<u>14</u>	<u>8</u>
				<u>£1659</u>	<u>14</u>	<u>8</u>

WORKING ACCOUNT.

	£	s.	d.	£	s.	d.
Receipts to Lady-day, 1892—						
Baths... ..	1191	4	8			
Wash-houses... ..	530	9	0			
Sale of Soap, Soda, &c. ...	39	10	11			
Hire of Concert Bath ...	13	14	10			
Rent of Office ...	110	0	0			
	<u>1884</u>	<u>19</u>	<u>5</u>			
	<u>£1884</u>	<u>19</u>	<u>5</u>			

	£	s.	d.	£	s.	d.
By Balance 25th March, 1891	0	6	7			
„ Wages	822	13	8			
„ Clerk's Salary ...	40	0	0			
„ Water	214	7	7			
„ Coals and Coke ...	388	13	0			
„ Gas... ..	19	1	7			
„ Soap and Soda ...	25	18	0			
„ Insurance	25	0	0			
„ Rates and Taxes ...	45	14	4			
„ Printing and Stationery	9	16	0			
„ Boiler Fluid, &c. ...	26	10	0			
„ Engine Packing, &c. ...	14	4	9			
„ Oilman's Goods ...	26	17	1			
„ Removing Ashes ...	8	8	9			
„ Cement, Fire Bricks, &c. ...	2	15	6			
„ Ironmongery, &c... ..	8	18	8			
„ Cleaning Boilers, &c. ...	12	9	0			
„ Repairs to Engine, &c. ...	5	7	0			
„ Clerk's Disbursements	1	5	0			
„ Superintendent's Expenses	4	16	11			
„ Sundry Small Accounts	16	2	5			
		<u>1719</u>	<u>5</u>		<u>10</u>	
Balance		<u>165</u>	<u>13</u>		<u>7</u>	
				<u>£1884</u>	<u>19</u>	<u>5</u>
Transferred to Loans Account ...	£55	10	6			
Balance at Bank	£110	3	1			
		<u>£165</u>	<u>13</u>		<u>7</u>	

Balance brought down £165 13 7

Audited and found correct, 20th April, 1892,

H. L. BARTLETT, }
C. J. THOMPSON, } *Auditors.*

Baths and Wash-houses—*Continued.*

NOTE.—In the year 1884-5 the Commissioners transferred to the Loans Account out of profits, the sum of £500, in 1886-7 the sum of £463 14s. 11d., in 1887-8 £504 4s. 1d., in 1888-9 £168 1s. 6d., in 1889-90 £431 18s. 8d., in 1891-2 £55 10s. 6d., making together £2,123 9s. 8d., which has been applied towards repayment of the moneys borrowed from the Metropolitan Board of Works and the interest thereon, and in aid of the Poor Rate.

	£	s.	d.
Total amount of Loans Borrowed from Metropolitan Board			
of Works	29000	0	0
Amount paid off	11336	0	0
	<u>£17664</u>	<u>0</u>	<u>0</u>

Public Libraries Acts.

At a Meeting of the Vestry held 15th March, 1892, the Rev. Edward Josselyn Beck and Messrs. John Bulmer and Robert Leishman Stuart were re-elected Commissioners for this Parish under the Public Libraries Acts.

The names of the Commissioners are as follows :—Rev. Edward Josselyn Beck (Chairman), and Messrs. John Bulmer (Vice-Chairman), Robert Leishman Stuart, Edmund Rumney Smith, John Reeson, Henry Lovell Bartlett, Thomas William Clarke, Samuel Brownfield, and George Mabbs.

Clerk—James John Stokes.

The following are copies of the Audited Financial Statements of the Commissioners to 25th March, 1892.

Statement of Receipts and Expenditure for the year ended the 25th day of March, 1889 :—

RECEIPTS.	£	s.	d.	EXPENDITURE.	£	s.	d.
Receipts other than from Loans :—				Expenditure other than out of Loans :—			
Amount received from Rates ...	180	0	0	London & Westminster Bank,			
				Stamped Cheques	0	16	8
				Balance in Treasurer's hands...	179	3	4
Total ...	<u>£180</u>	<u>0</u>	<u>0</u>	Total ...	<u>£180</u>	<u>0</u>	<u>0</u>

I hereby certify that I have compared the entries in the above Statement with the Vouchers and other Documents relating thereto, and that the Regulations with respect to such Statement have been duly complied with. I hereby further certify that I have ascertained, by Audit, the correctness of such Statement, and that the amount expended by the Commissioners during the year ended the 25th day of March, 1889, included in such Statement, and allowed by me at the Audit, is sixteen shillings and eight pence.

As witness my hand this 25th day of June, 1889. (Signed) H. LLOYD ROBERTS, *District Auditor.*

PUBLIC LIBRARY.—Statement of Receipts and Expenditure for the year ended the 25th day of March, 1890 :—

RECEIPTS.						
Receipts other than from Loans :—	£	s.	d.	£	s.	d.
Amount received from Rates... ..				760	0	0
Amounts received from all other sources :—						
Right Hon. W. H. Smith, M.P., donation	5	0	0			
Interest on Deposit Account with London and Westminster Bank	21	7	0			
	<hr/>			26	7	0
Receipts from Loans				3000	0	0
				<hr/>		
Total Receipts ...				3786	7	0
Total Balances in hand at commence- ment of year, as per financial state- ment to 25th March, 1889						
				179	3	4
<hr/>						
Total ...				£3965	10	4

EXPENDITURE.								
Expenditure other than out of Loans :—			£	s.	d.	£	s.	d.
Interest on Loans			42	7	2			
Salaries of Officers			50	0	0			
Rates and Taxes			79	14	9			
Stationery, Printing, &c.			27	12	4			
Other Expenses :—								
Legal... ..			50	2	0			
Miscellaneous			1	16	2			
			<hr/>			251	12	5
Expenditure out of Loans :—								
Purchase of Site			660	0	0			
On account of Building Contract ...			1500	0	0			
			<hr/>			2160	0	0
Total Expenditure						2411	12	5
Balances at end of year :—								
In Treasurer's hands			553	17	11			
On Deposit			1000	0	0			
			<hr/>			1553	17	11
Total ...						£3965	10	4

I hereby certify that I have compared the entries in the above Statement with the Vouchers and other Documents relating thereto, and that the Regulations with respect to such Statement have been duly complied with. I hereby further certify that I have ascertained, by Audit, the correctness of such Statement, and that the amount expended by the Commissioners during the year ended the 25th day of March, 1890, included in such Statement, and allowed by me at the Audit, is two hundred and fifty-one pounds twelve shillings and five pence.

As witness my hand this 21st day of July, 1890.

(Signed) T. BARCLAY COCKERTON, *Assistant District Auditor.*

PUBLIC LIBRARY.—Statement of Receipts and Expenditure for the year ended the 25th day of March, 1891:—

RECEIPTS.				EXPENDITURE.			
	£	s.	d.		£	s.	d.
Receipts other than from Loans :—				Expenditure other than out of Loans :—			
Amounts received from Rates ...			737 3 7	Interest on Loans ...	103	1	10
Amounts received from all other sources :—				Repayment of principal of Loans ...	109	0	0
Donations ...	16	7	6	Salaries of Officers ...	154	0	0
Interest on Deposit Account ...	8	3	3	Rates and Taxes ...	7	1	9
Miscellaneous ...	1	12	3	Cleaning, Fuel, Lighting, &c. ...	34	5	5
			26 3 0	Books, Newspapers, &c. ...	103	18	3
Total Receipts ...	763	6	7	Bookbinding and repairing ...	2	12	0
Total Balance in hand at commencement of year, as per financial statement to 25th March, 1890 ...	1553	17	11	Stationery and Printing ...	18	8	0
				Other Expenses :—			
				Miscellaneous ...	23	4	3
							555 11 6
				Amount expended on erection of Building, not raised from Loan ...	893	18	0
				Deduct amount unexpended, on Loan borrowed for fittings, &c. ...	28	9	0
							865 9 0
							1421 0 6
				Expenditure out of Loans :—			
				Buildings ...	528	9	0
				Fittings, &c. ...	311	11	0
							840 0 0
				Total Expenditure ...	2261	0	6
				Balances at end of year :—			
				In Treasurer's hands ...	50	4	0
				In Clerk's hands ...	6	0	0
							56 4 0
							£2317 4 6
							£2317 4 6

I hereby certify that I have compared the entries in the above Statement, with the Vouchers and other Documents relating thereto, and that the Regulations with respect to such Statement have been duly complied with. I hereby further certify that I have ascertained, by Audit, the correctness of such Statement, and that the amount expended by the Commissioners during the year ended the 25th day of March, 1891, included in such Statement, and allowed by me at the Audit, is one thousand four hundred and twenty-one pounds and six pence.

As witness my hand this 29th day of July, 1891.

(Signed) T. BARCLAY COCKERTON, Assistant District Auditor.

Public Library.

Statement of Receipts and Expenditure for the year ended the 25th day of March, 1892 :—

[illegible]

I hereby certify that I have compared the entries in the above Statement with the Vouchers and other Documents relating thereto, and that the Regulations with respect to such Statement have been duly complied with. I hereby further certify that I have ascertained, by Audit, the correctness of such Statement, and that the amount expended by the Commissioners during the year ended the 25th day of March, 1892, included in such statement, and allowed by me at the Audit, is seven hundred and seventeen pounds eleven shillings and six pence.

As witness my hand this 24th day of May, 1892. (Signed) T. BARCLAY COCKERTON,
District Auditor.

Miscellaneous.

On the 6th October, 1891, Notice of Motion was given by Mr. Stuart, as follows, viz.:—

"I hereby give Notice that I shall, at the next Ordinary Meeting of the Board, call attention to the alterations that have taken place since the Bye-laws were framed, and that a Committee be formed to go through them and revise them accordingly."

The matter was referred to a Special Meeting of the General Purposes Committee, and upon their recommendation it was resolved that Bye-laws 1 to 3, 5 to 8, and 10 to 27 remain as they are, and that Nos. 4, 28, and 29, be struck out altogether; that the last clause in No. 9 be altered as follows :—

That the Clerk obtain the name of the speaker appointed by the deputation in attendance and hand it to the Chairman;
and that the word “agenda” be substituted for the word “business” in Bye-laws Nos. 17 and 19.

The attention of the Vestry having been drawn to the fact that a few years ago when the old buildings on the site of Church Wharf, which belonged to the Trustees of the Amicable Society's School, were pulled down by the Assignees of the Lease, the new buildings erected thereon were set back on the west side to the extent of 2 feet 7½ inches, they caused a tablet to be inserted in the west wall thereof denoting the boundary of the charity property at that spot.

Several of the river fronts abutting upon parish rights of way to the river have been repaired and reinstated at the cost of the Vestry during the year.

The following is a list of the 25 public rights of way to the river in this Parish:—

Opposite West Lane.

Platform Stairs.

King's Stairs.

Prince's Stairs.

Elephant Stairs.

Church Stairs.

Spread Eagle Stairs.

Timothy's Wharf, east and west sides.

Hanover Stairs.

Surrey Dock Stairs.

King and Queen Stairs.

King and Queen Wharf.

Globe Stairs.

Horseferry Stairs.

Pageants Stairs.

Horns Stairs.

Nelson Dock.

Dantzic Wharf.

White Horse.

Laystall Acorn Wharf.

Commercial Dock Pier.

Randells Rents, and

Dog and Duck Stairs.

The Vestry, having considered the policy of the London County Council with regard to the subject of the Metropolis Water Supply, passed the following resolution, viz. :—

That this Vestry inform the Council that they heartily support them in their efforts to obtain control of the water supply.

Mr. Francis Harker Thomas, who had been in the service of the Vestry since 8th May, 1874, a period of over 17 years, as an Assistant Clerk in the Vestry Offices, tendered his resignation upon his appointment as Registrar of Births and Deaths for Rotherhithe, which was accepted by the Vestry on the 3rd June, 1891.

Mr. James Day has been appointed Junior Assistant Clerk in the Vestry Offices.

APPENDIX No. 1.

ANNUAL REPORT OF MEDICAL OFFICER OF HEALTH,

From January 1st to December 31st, 1891.

To the Chairman and Members of the Rotherhithe Vestry :—

GENTLEMEN,

I have the pleasure herewith of offering to your consideration my yearly report, which is a summary of the vital statistics that have more or less engaged your attention at the regular half-monthly meetings.

Number of Births registered :—

			Males.	Females.	Totals.
In the first quarter	...	...	190	155	345
In the second quarter	...	...	197	154	351
In the third quarter	...	...	175	172	347
In the fourth quarter	...	...	218	200	418
			—	—	—
Totals for the year	...	...	780	681	1461

Number of Deaths (Parishioners only) registered :—

			Males.	Females.	Totals.
In the first quarter	...	...	105	101	206
In the second quarter	...	...	104	94	198
In the third quarter	...	...	88	59	147
In the fourth quarter	...	...	93	101	194
			—	—	—
Totals for the year	...	...	390	355	745
Deaths of Parishioners in outlying Institutions			61	36	97
			—	—	—
			451	391	842

Increase :—

			Males.	Females.	Totals.
In the first quarter	...	...	82	54	136
In the second quarter	...	...	90	54	144
In the third quarter	...	...	97	114	211
In the fourth quarter	...	...	125	99	224
			—	—	—
Totals for the year	...	...	394	321	715
Deaths in outlying Institutions	...	...	61	36	97
			—	—	—
			333	285	618

By comparing the number of Births and Deaths, and their differences (*i.e.* the increases) for the last five years, we obtain the following results :—

Births :—

				Males.	Females.	Totals.
1887-8	...	...	...	726	705	1431
1888-9	...	...	...	774	672	1446
1889...	...	...	...	773	707	1480
1890...	...	...	...	698	653	1351
1891...	...	...	...	780	681	1461

Deaths:—

					Males.	Females.	Totals.
1887-8	...	...	...	...	492	443	935
1888-9	...	...	...	...	439	411	850
1889...	...	...	...	...	375	351	726
1890...	...	...	...	...	404	362	766
1891...	...	...	...	...	451	391	842

Increase:—

					Males.	Females.	Totals.
1887-8	...	...	...	...	234	262	496
1888-9	...	...	...	...	335	261	596
1889...	...	...	...	...	398	356	754
1890...	...	...	...	...	294	291	585
1891...	...	...	...	...	333	285	618

Deaths of Parishioners in Outlying Institutions.

The annual list as supplied from the Registrar-General's Office enumerates 97, as follows:—

Name of Institution.						Males.	Females.	Totals.
Guy's Hospital	...	...	...	...	...	22	6	28
South-Eastern Fever Hospital	...	...	...	...	...	9	6	15
South-Western Fever Hospital	...	...	...	...	...	1	1	2
Children's Hospital, Shadwell	...	...	...	...	...	3	1	4
London Hospital	...	...	...	...	...	1	0	1
Bartholomew's Hospital	...	...	...	...	...	1	0	1
Evelina Hospital	...	...	...	...	...	1	3	4
Brompton Hospital	...	...	...	...	...	1	0	1
Children's Hospital, Great Ormond Street	...	...	...	...	...	0	1	1
St. Thomas's Hospital...	...	...	...	...	...	0	2	2
German Hospital	...	...	...	...	...	0	1	1
Cheyne Street	...	...	...	...	...	1	0	1
						—	—	—
Carried forward	...	...	...	...	...	40	21	61

Name of Institution.				Males.	Females.	Totals.
Brought forward	...	...	...	40	21	61
The Infirmary (Bermondsey) ...	...	...	...	12	9	21
The Infirmary (Parish Street)	..	...	...	7	2	9
Cane Hill Asylum	...	...	...	0	3	3
Drowned in the River Ravensbourne...	...	...	...	1	0	1
Drowned in the Thames off Limehouse	...	...	...	1	0	1
Drowned in the Surrey Canal, Deptford	...	...	...	0	1	1
				—	—	—
				61	36	97

Of this number, 17 died in the two Hospitals under the control of the Asylums Board ; of these as many as 8 died of complaints differing from those stated on the notifications by which they obtained admission, and which were diseases not notifiable.

Deaths in the Parish of Non-Parishioners.

Males.	Females.	Total.
135	72	207.

Of these, 155 were from Bermondsey, 16 from St. Olave's, 13 were "unknown," 12 from Horselydown, 3 from St. John's, 3 from Southwark, 1 from St. Pancras, 1 from Deptford, 1 from Shoreditch, 1 from St. Saviour's, and 1 from Newington.

Birth Rate.

The Birth Rate per thousand per annum is 37.

Death Rate.

The Death Rate per thousand per annum is 21·3.

Uncertified Deaths.

Fifteen deaths are uncertified. On all these cases the Coroner stated that an inquest was not necessary. Last year there were 4 deaths not certified.

Inquests.

Fifty-nine inquests have been held, the verdicts being—

January 20th. Six.—Drowned in Docks, 2; Suffocated in bed; Injury to head from being struck by a train; Convulsions; Fatty degeneration of the heart from excessive drinking.

February 3rd. One.—Heart disease.

„ 17th. Three.—Accidentally drowned in the Thames; Disease of liver, lungs and kidneys from excessive drinking; Collapse of lungs from whooping cough.

March 3rd. One.—Accidentally suffocated in bed.

„ 17th. Two.—Marasmus; Epilepsy.

April 7th. One.—Convulsion fit.

„ 21st. None.

May 5th. Three.—Pyæmia following laceration of left foot by being crushed between wheel of a van and the ground; Apoplectic fit; Accidentally suffocated with bottle in bed.

June 2nd. Three.—Accidentally suffocated in bed; Apoplexy from excessive drinking; Drowned in Thames from falling off a barge.

„ 16th. One.—Accident—concussion of brain caused by a fall in the street on June 5th.

July 7th. Four.—Tabes Mesenterica; Fatty degeneration of heart from drinking; Accidentally drowned by falling into the Surrey Canal whilst playing upon barges; Accidentally suffocated in bed.

„ 21st. Three.—Accidentally suffocated in bed; Accidentally suffocated at the birth; Dentition and convulsions.

September 8th. Thirteen.—Three drowned in Thames ; Two drowned in Surrey Canal ; Two found drowned ; Drowned in the Docks ; Consumption of bowels ; Aneurism of the Aorta ; Fatty degeneration of heart ; Congestion of lungs ; Suicide by throwing himself under a train ; Accidentally suffocated in bed.

„ 22nd. One.—Drowned in Thames.

October 6th. Two.—Accident, causing hæmorrhage from divided popliteal artery, which was due to being struck with a chisel ; Accidentally suffocated in bed.

„ 20th. Two.—Convulsions due to irritation of stomach and intestines from overfeeding ; Apoplectic fit accelerated by excessive drinking.

November 3rd. Three.—Two drowned in Docks ; Injury at birth.

„ 17th. Two.—Found drowned in Thames ; Starvation from want of proper assimilated food.

December 1st. Five.—Fracture of base of skull ; Found drowned in Surrey Canal ; Drowned in Surrey Commercial Docks ; Epileptic fit ; Acute pneumonia.

„ 15th. One.—Drowned in the Surrey Commercial Docks.

„ 31st. Three.—Accidentally suffocated during suckling ; Two drowned in the Docks.

Zymotic Diseases.

The number of deaths in the Parish, as well as the Asylums' Board Hospitals, shows a very agreeable diminution. Last year the number was 125, this year it falls to 70

The complete enumeration of deaths from Zymotic Diseases is as follows:—Small Pox, one ; Scarlet Fever, three ; Enteric Fever, ten ; Typhus Fever, none ; Puerperal Fever, four ; Continued Fever, none ; Relapsing Fever, none ; Diphtheria, two ; Infantile Diarrhœa, twenty-one ; Measles, six ; Whooping Cough, twenty-one ; Erysipelas, two ; Membranous Croup, none. This

list includes all the deaths from Zymosis that took place in outlying institutions. These were Measles, one; Influenza, one; Diphtheria, two; Scarlet Fever, two; Enteric Fever, five; and Erysipelas, one.

Small Pox has caused one death; that of an infant three months old, unvaccinated

Scarlet Fever has caused three deaths. Two of these occurred in the South Eastern Fever Hospital. In 1890 the number was five.

Fevers. To the remaining different forms of fever (Typhus, Enteric, Puerperal, Continued and Relapsing) fourteen deaths are assigned as against eleven in the year 1890. Of these, five occurred in the Fever Hospital.

Enteric Fever has caused ten deaths, five of which were in the Fever Hospital. In 1890, the number was six.

Typhus Fever. None.

Diphtheria has caused two deaths, both of which took place in the Fever Hospital. In 1890, the number of deaths from this complaint was ten.

Erysipelas. Two.

Whooping Cough—Twenty-one. In 1890 the number was forty-seven.

Measles—Six, as against thirty-seven in 1890.

Diarrhœa—Twenty-one. In 1890, the number was thirty-three.

Membranous Croup—None.

Puerperal Fever—Four. Two of these took place in the South Eastern Fever Hospital.

Influenza.—Twenty-three. This is not at present a notifiable disease.

The annexed tabular form shows the number of deaths from the principal infectious and zymotic diseases of parishioners, whether in the Parish or outlying institutions, during the last three years; and of the deaths from the same complaints during the previous four years. In these four years (1885-8) the deaths in outlying institutions were not ascertained. The death rate per thousand per annum is likewise added.

	1891		1890		1889		1888-9		1887-8		1886-7		1885-6	
Typhus Fever ...	none		none		none		1 (?)		none		none		none	
Enteric „ ...	10	·24	6	·141	4	·094	6	·139	6	·14	5	·12	7	·175
Scarlet „ ...	3	·07	7	·164	2	·047	7	·148	14	·3	6	·142	8	·198
Puerperal „ ...	4	·09	5	·117	...		...		...		...		...
Fever (not defined)	none		none		1	·023	1	·024	none		none		none	
Small Pox ...	1	·02	none		none		none		none		none		7	·175
Measles ...	6	·14	37	·79	19	·41	17	·362	7	·15	24	·54	15	·37
Diphtheria ...	2	·04	9	·2	9	·2	1	·024	6	·14	2	·047	1	·025
Whooping Cough	21	·42	47	·93	23	·48	7	·147	3	·07	...		...
Diarrhoea...	21	·47	33	·7	24	·5	30	·695	37	·84	44	·104	22	·69
Erysipelas ...	2	·04	1	·02	1	·023	...		...		...		...
Membranous Croup	none		2	·04	...		...		...		...		...

In the appended list is given the diseases notified, with the names of the streets, roads, places, lanes, buildings, &c., in which they occurred.

[illegible]

Name of Place.	Small Pox.	Scarlet Fever.	Cholera.	Typhus Fever.	Enteric Fever.	Diphtheria.	Puerperal Fever.	Other Fevers.	Erysipelas.	Membranous Croup.	Totals.
Paradise Street	1	...	...	...	2	...	3
Parfitt Road	1	...	...	1	...	...	...	7	...	9
Pedworth Road	1	...	...	...	...	...	...	1	...	2
Portland Place	1	...	1
Princes Street	3	...	...	1	...	...	...	...	...	4
Prospect Place	1	...	...	1	1	...	1	1	...	5
Purnell Place	—
Plough Road	3	...	...	2	3	...	...	...	...	8
Queen Street	1	...	1
Randall's Rents	—
Raymouth Road...	...	7	...	...	2	1	...	...	5	...	15
Reed Street	—
Renforth Street	1	...	...	1	...	...	...	...	...	2
Risdon Street	2	...	...	...	...	...	2
Rotherhithe Street	4	...	...	2	2	1	...	2	...	11
Seth Street	2	...	...	1	...	3
Silverlock Street...	1	...	1
Silwood Street ...	1	2	...	...	5	2	...	...	4	...	14
Slipper's Place	5	...	...	1	...	...	...	1	...	7
Southwark Pk. Rd.	5	...	5
Stalham Street	—
Staples Rents	1	...	...	...	...	...	...	...	...	1
St. Helena Road	3	...	...	...	...	...	3
St. Mary Place	—
St. Paul's Lane	1	...	1
Suffolk Street	1	...	...	1	...	...	...	2	...	4
Swan Lane	3	...	...	1	...	...	...	...	...	4
Thames Street	1	1	...	...	...	...	2
Thetford Place	—
Three Sisters Cotts.	—
Tissington Street	—
Trident Street	1	...	...	...	...	...	1
Union Road	—
Warndon Street...	1	...	...	1	...	2
West Lane	2	...	...	1	...	...	...	...	...	3
Westlake Road	6	...	...	...	...	...	6
William Street	1	...	1
Winchester Street	1	...	...	...	...	...	1

Diseases of the Respiratory Organs.

The number of deaths resulting from the above-named complaints is 306, as compared with 326 for the previous year. This number includes the deaths of parishioners in Outlying Institutions. The death rate per thousand per annum from all forms of lung mischief is 6·7.

The following tabular statement gives the number of deaths due to each form of lung disease and the death rate per thousand per annum for the last six years :—

	1891.		1890.		1889.		1888-9.		1887-8.		1886-7.	
Phthisis ...	67	1·4	72	1·61	64	1·38	61	1·37	90	2·0	114	2·7
Bronchitis ...	138	2·6	126	2·59	81	1·75	77	1·73	114	2·59	149	3·54
Pneumonia ...	48	1·2	65	1·25	35	·71	30	·67	71	1·6	36	·85
Bron.- Pneumonia }	47	1·2	57	1·21	14	·45	23	·51	34	·77	23	·55
Pleurisy ...	4	·09	5	·09	2	·04	2	·045	3	·07	none	
Pleuro- Pneumonia }	2	·04	1	·02	1	·022	5	·11	4	·09	1	·024
Emphysema ...	.....		.....		1	·022	.....		.....		.....

Bake-houses

Have been twice inspected.

Slaughter-houses and Cow-sheds

Have been inspected.

DEATHS FROM ALL CAUSES DURING THE YEAR.

Causes of Death	Under one year	One to Five	Five to Twenty	Twenty to Forty	Forty to Sixty	Sixty to Eighty	Eighty and Upwards	Total
Small Pox	1	...	...	...	...	...	...	1
Measles ... ..	...	6	...	...	...	...	...	6
Scarlet Fever ... ..	...	1	...	2	...	...	...	3
Typhus „ ... ..	...	...	...	...	...	...	...	—
Enteric „ ... ..	...	1	6	2	...	1	...	10
Relapsing „ ... ..	...	...	...	...	...	...	...	—
Remittent „ ... ..	...	...	...	...	...	...	...	—
Simple & Undefined Fever	...	...	...	...	...	...	...	—
Influenza ... ..	...	2	1	2	8	9	1	23
Whooping Cough	10	11	...	...	...	...	...	21
Diphtheria ... ..	...	1	1	...	...	...	...	2
Cholera (English) ... ..	...	...	...	...	...	...	...	—
Diarrhœa	17	3	...	...	...	1	...	21
Dysentery ... ..	...	...	...	...	...	...	...	—
Hydrophobia ... ..	...	...	...	...	...	...	...	—
Glanders ... ..	...	...	...	...	...	...	...	—
Cowpox and Vaccination	...	...	...	...	...	...	...	—
Syphilis	5	...	...	2	2	...	...	9
Erysipelas	1	...	...	...	1	...	...	2
Pyæmia ... ..	...	...	...	...	1	...	...	1
Puerperal Fever ... ..	...	...	...	3	1	...	...	4
Other Zymotic Diseases	...	...	...	...	...	...	...	—
Malassimilation	4	...	...	...	...	...	...	4
Alcoholism ... ..	...	...	...	1	1	...	...	2
Delirium Tremens ... ..	...	...	1	...	...	...	...	1
Rheumatic Fever ... ..	...	...	2	...	...	...	...	2
Rheumatism ... ..	...	...	1	...	...	2	...	3
Gout ... ..	...	...	...	...	...	...	...	—
Rickets	1	2	...	...	...	...	...	3
Cancer of Throat ... ..	...	...	...	...	1	...	...	1
„ „ Stomach ... ..	...	...	...	...	...	3	...	3
„ „ Uterus ... ..	...	...	...	...	4	2	...	6
„ „ Rectum ... ..	...	...	...	...	1	2	...	3
„ „ Breast ... ..	...	...	...	1	1	...	...	2
„ „ Tongue ... ..	...	...	...	...	...	1	...	1
„ „ Liver ... ..	...	...	...	2	6	4	...	12
„ „ Face ... ..	...	...	...	...	...	3	...	3
„ „ Intestines ... ..	...	...	...	1	2	...	...	3
Tabes Mesenterica	35	10	1	...	...	...	...	46
Tubercular Meningitis	5	11	6	2	1	1	...	26
Phthisis ... ..	...	1	8	38	20	1	...	68
Scrofula ... ..	...	...	...	...	...	...	...	—
Other Constitutional Diseases	6	3	5	1	1	3	...	19

Causes of Death				Under one year	One to Five	Five to Twenty	Twenty to Forty	Forty to Sixty	Sixty to Eighty	Eighty and Upwards	Total
Premature Birth	...	...	...	39	...	...	...	...	...	...	39
Atelectasis	...	...	...	1	...	...	...	...	...	...	1
Old Age	...	...	...	...	...	...	...	...	26	25	51
Apoplexy	...	...	...	...	...	...	2	9	12	2	25
Paralysis	...	...	...	...	...	...	...	1	3	...	4
Epilepsy	...	...	...	...	...	...	2	1	1	...	4
Convulsions	...	...	...	27	4	...	...	...	...	...	31
Other Diseases of Brain	...	...	...	...	2	...	1	4	5	...	12
Diseases of Circulatory System	...	...	...	...	3	6	6	14	12	...	41
Croup	...	...	...	2	2	1	...	...	...	...	5
Bronchitis	...	...	...	27	15	1	7	28	54	6	138
Broncho-Pneumonia	...	...	...	17	16	...	1	4	7	2	47
Pneumonia	...	...	...	11	6	2	4	17	7	1	48
Pleuro-Pneumonia	...	...	...	...	1	...	1	...	...	...	2
Pleurisy	...	...	...	...	1	1	...	1	1	...	4
Other Diseases of Respiratory Organs	...	...	...	...	...	...	3	2	...	...	5
Dentition	...	...	...	8	4	...	...	...	...	...	12
Enteritis	...	...	...	...	...	1	1	...	...	...	2
Peritonitis	...	...	...	...	1	1	...	...	...	...	2
Other Diseases of Digestive Organs	...	...	...	...	...	...	...	...	2	...	2
Parturition	...	...	...	...	...	...	1	...	...	...	1
Hernia	...	...	...	...	...	...	...	1	2	...	3
Plumbism	...	...	...	...	...	...	1	...	...	...	1
Diseases of Urinary System	...	...	...	...	...	2	6	8	4	...	20
Diseases of Generative System	...	...	...	...	...	...	...	1	1	...	2
Diseases of the Locomotive System	...	...	...	...	...	...	...	...	4	...	4
Accidents—Fractures	...	...	...	1	...	...	1	1	...	...	3
Wounds	...	...	...	...	...	...	...	...	1	...	1
Burns and Scalds	...	...	...	...	1	...	1	1	...	...	3
Poisoning	...	...	...	...	...	...	...	...	...	...	...
Drowning	...	...	...	...	...	4	3	2	...	...	9
Suffocation	...	...	...	10	...	...	...	...	...	...	10
Other Causes	...	...	...	1	...	...	1	...	2	...	4
Suicide—Wounds	...	...	...	...	...	...	...	...	...	...	...
Poison	...	...	...	...	...	...	...	...	...	...	...
Drowning	...	...	...	...	...	...	1	...	...	...	1
Hanging	...	...	...	...	...	...	...	...	...	...	...
Other Causes	...	...	...	...	...	...	...	1	...	...	1

I am, Gentlemen, yours obediently,

180

JOSEPHUS SHAW, Medical Officer of Health.

APPENDIX No. 2.

VESTRYMEN, AUDITORS, AND OFFICERS OF THE PARISH OF ROTHERHITHE, LONDON

Under the Metropolis Local Management Act, 1855.

1892.

Vestrymen.

The Rev. EDWARD JOSSELYN BECK, M.A., <i>Rector</i> , The Rectory, Church Street.									
Mr. FRANCIS THOMAS TALBOT, 198, Rotherhithe Street	...	...	...	...	...	...	...	...	To go out of Office in 1893
" JAMES WIGGINTON, 258, Rotherhithe Street	...	...	...	...	...	...	...	...	"
" FRANCIS JOHN BISLEY, 68, Union Road	...	...	...	...	...	...	...	...	"
" WALTER BEASLEY, 187, Lower Road	...	...	...	...	...	...	...	...	"
" JOHN BULMER, 34, Lower Road	...	...	...	...	...	...	...	...	"
" RICHARD JOHN WOOD, 130, Lower Road	...	...	...	...	...	...	...	...	"
" DANIEL BOARD, 215, Lower Road	...	...	...	...	...	...	...	...	"
" REUBEN THOMAS WOOD 106, Union Road...	...	...	...	...	...	...	...	...	"
" ALFRED JOHNSON, 93, Union Road	...	...	...	...	...	...	...	...	"
" EDWARD CHARLES TALBOT, 62, Union Road	...	...	...	...	...	...	...	...	"
" WILLIAM GEORGE WELLS, Oak Cottage, Clarence Street...	...	...	...	...	...	...	...	...	1894
" RALPH WESTALL WALKER, 14, Rebecca Terrace, Gomm Road	...	...	...	...	...	...	...	...	"
" FRANCIS THOMAS TALBOT, 198, Rotherhithe Street	...	...	...	...	...	...	...	...	"
" GEORGE WOOD, 270, Rotherhithe Street	...	...	...	...	...	...	...	...	"
" WILLIAM BROWN, 204, Rotherhithe New Road	...	...	...	...	...	...	...	...	"
" SYDNEY LOUIS PRYOR, 190, Lower Road	...	...	...	...	...	...	...	...	"
" GEORGE DENNE READ, 89, Rotherhithe New Road	...	...	...	...	...	...	...	...	"
" CHARLES J. THOMPSON, Swedish Yard, Surrey Commercial Docks	...	...	...	...	...	...	...	...	"
" ROBERT LEISHMAN STUART, 194, Lower Road	...	...	...	...	...	...	...	...	1895
" HUGH YOUNG, 17, Lower Road	...	...	...	...	...	...	...	...	"
" HENRY BELLSHAM, 3, Rotherhithe New Road	...	...	...	...	...	...	...	...	"
" STEPHEN RANSON, 39, Ainsty Street...	...	...	...	...	...	...	...	...	"
" JAMES SAMUEL PAINTER, 2, Albion Street	...	...	...	...	...	...	...	...	"
" SAMUEL EDMUND COOMBS, 218, Lower Road	...	...	...	...	...	...	...	...	"
" ALEXANDER CHAMBERS, 88, Union Road	...	...	...	...	...	...	...	...	"
" WALTER GEORGE STREETON, 35, Rotherhithe New Road	...	...	...	...	...	...	...	...	"

Auditors of Accounts.

Mr. EDMUND RUMNEY SMITH and Mr. THOMAS BALE CHILMAN.

Officers of the Vestry.

JAMES JOHN STOKES, Clerk, Vestry Offices, Lower Road.
 JOHN THOMAS COOPER, Assistant Clerk, 676, Rotherhithe Street.
 JAMES DAY, Junior Assistant Clerk, 48, Union Road.
 Dr. JOSEPHUS SHAW, Medical Officer of Health, 151, Lower Road.
 GEORGE LEGG, Surveyor of Sewers, 61, King William Street, E.C.
 EDWARD THOMAS, Surveyor of Pavements, 159, Lower Road.
 JOSEPH DAY, Collector of Paving, Lighting, and Sewer Rates, 48, Union Road.
 JOSEPH EDWARDS, Inspector of Nuisances, Street Keeper, and Inspector under the "Sale of Food and Drugs Act, 1875," Lower Road.
 JAMES EDWARD POOLE, Clerk of the Works for Sewers, Lower Road.

Representatives at the London County Council.

LAWRENCE STEVENS, Esq., 191, Lower Road, S.E.
 Dr. JAMES THOMAS MACNAMARA, 229, Jamaica Road, S.E.

THE UNIVERSITY OF CHICAGO

THEORY

THEORY OF THE VIBRATION OF A STRING

Let $y(x, t)$ be the displacement of a string of length l fixed at both ends at time t . The string is under tension T and has mass per unit length μ . The wave equation is

$$\frac{\partial^2 y}{\partial x^2} = \frac{1}{v^2} \frac{\partial^2 y}{\partial t^2}$$

where $v = \sqrt{T/\mu}$ is the wave velocity. The boundary conditions are

$$y(0, t) = y(l, t) = 0$$

The general solution is

$$y(x, t) = \sum_{n=1}^{\infty} \sin\left(\frac{n\pi x}{l}\right) \left[A_n \cos\left(\frac{n\pi v t}{l}\right) + B_n \sin\left(\frac{n\pi v t}{l}\right) \right]$$

The initial conditions are

$$y(x, 0) = f(x)$$
$$\frac{\partial y}{\partial t}(x, 0) = g(x)$$

The coefficients A_n and B_n are determined by the initial conditions.

EXERCISES

PROBLEMS

1. A string of length l is fixed at both ends. The initial displacement is $f(x)$ and the initial velocity is $g(x)$. Find the displacement $y(x, t)$ at any time t .

2. A string of length l is fixed at both ends. The initial displacement is $f(x)$ and the initial velocity is $g(x)$. Find the displacement $y(x, t)$ at any time t .

3. A string of length l is fixed at both ends. The initial displacement is $f(x)$ and the initial velocity is $g(x)$. Find the displacement $y(x, t)$ at any time t .