

[Report of the Medical Officer of Health for St. Giles District].

Contributors

St. Giles (London, England). District Council.

Publication/Creation

[1892]

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1891-92.

THE BOARD OF WORKS

FOR THE

St. Giles District.

ANNUAL REPORT

FOR THE YEAR ENDING 25th MARCH, 1892.

Published pursuant to the Act 18 & 19 Vict., cap. 120.

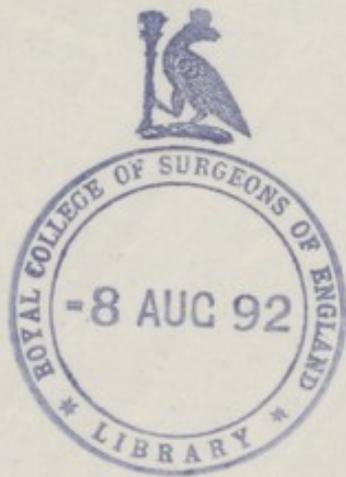
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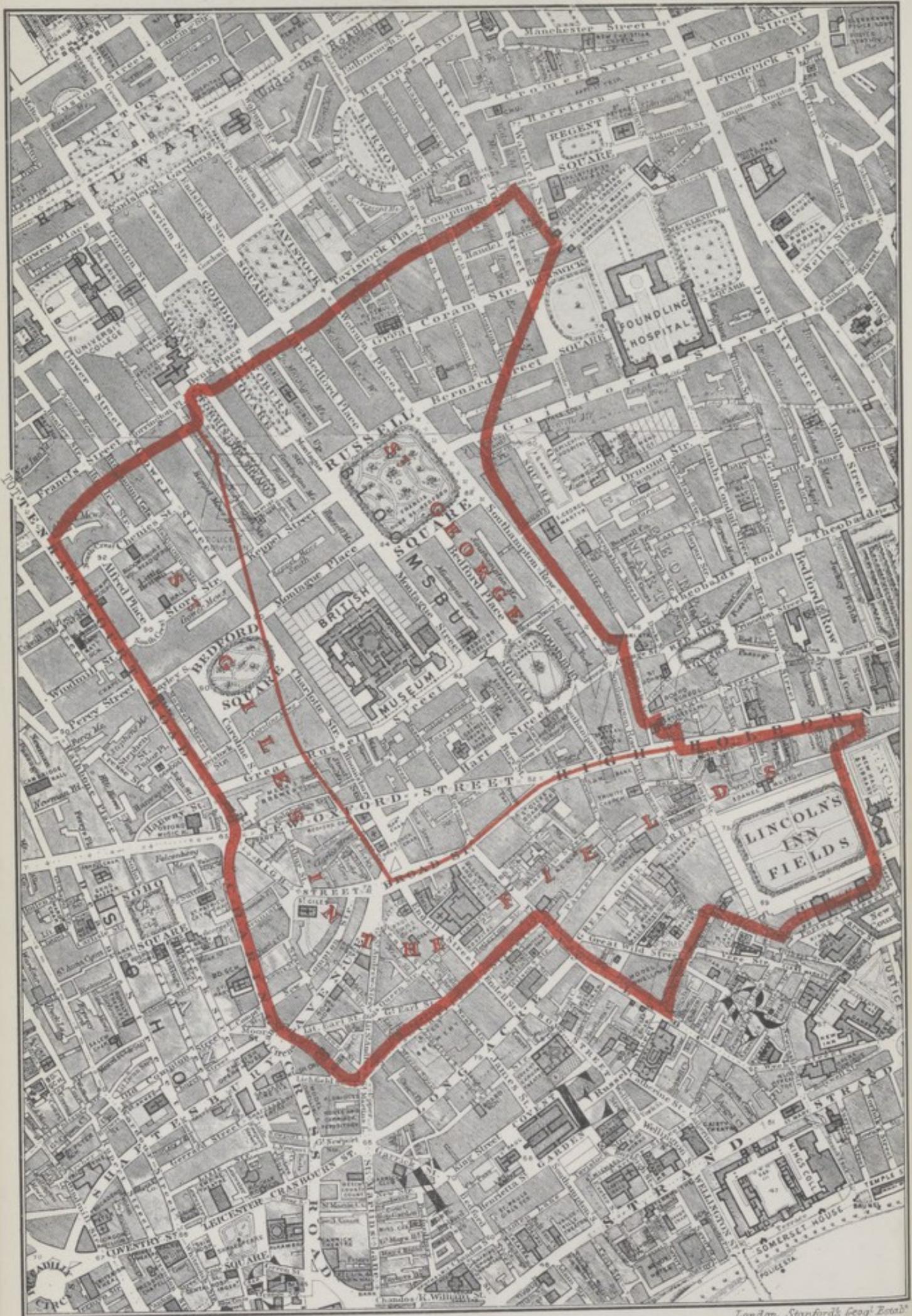
4 & 5, GREAT QUEEN STREET, LINCOLN'S INN FIELDS, W.C.

INDEX.

ACCOUNTS	22	NEW STREET	20
ADULTERATION OF FOOD, &c. ...	18	OFFICERS, LIST OF	7
ANALYST'S REPORT	21	PARLIAMENTARY SCHEMES	16
AUDITORS	5	PRIVATE BILLS.....	17
BANKERS OF THE BOARD	7	PUBLIC BILLS	16
BOARD'S STAFF	7	PUBLIC LIBRARIES ACTS.....	19
COMMITTEES, LIST OF	6	PUBLIC LIBRARIES, COMMIS- SIONERS OF ..	5
CONTRACTS IN FORCE	54	PUBLIC HEALTH (LONDON) ACT	14
FINANCE COMMITTEE	6	RENAMING AND RENUMBERING OF STREETS	18
FOOD ADULTERATION	18	ST. GILES CHURCHYARD ..	10
GENERAL REPORT	8	SALE OF FOOD AND DRUGS ACT	18
LAW AND PARLIAMENTARY COM- MITTEE	6	SANITARY WORK	14
LONDON COUNTY COUNCIL. REPRESENTATIVES AT	5	,, COMMITTEE	6
MAP..... facing	1	SHELTON STREET ARKA	15
MEDICAL OFFICER'S REPORT ...	57	SURVEYOR'S REPORT.....	39
MEETINGS, NUMBER HELD	8	TREES AND SEATS	16
MEMBERS, RETIREMENT OF	10	VACANT LAND IN SHAFTESBURY AVENUE	12
MEMBERS, LIST OF	4	WORKS COMMITTEE ..	6



MAP OF THE ST GILES DISTRICT.

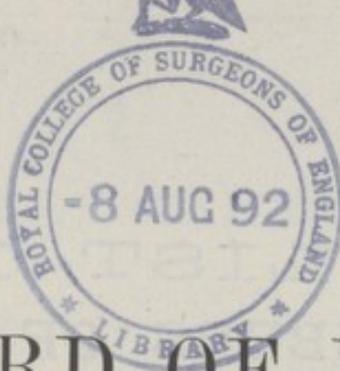


SCALE OF 1/2 MILE.

440

880 YARDS

London, Stanford's Geog. Exam.



THE BOARD OF WORKS

FOR THE

St. Giles District.

ANNUAL REPORT

FOR THE YEAR ENDING MARCH 25th, 1892.

In accordance with the 198th Section of the Metropolis Local Management Act, 1855, the following Report of the proceedings of the Board during the year ended the 25th March, 1892, is issued. It will be found to consist of the following particulars :—

	PAGE
1. Index	2
2. Map of the District	<i>facing title page.</i>
3. List of Members	4
4. Auditors of Accounts	5
5. Representatives on the London County Council	5
6. Commissioners of Public Libraries	5
7. List of Committees	6
8. List of Officers	7
9. General Report	8
10. Statement of Accounts	22
11. Report of Analyst	21
12. Report of the Engineer and Surveyor	39
13. Report of Medical Officer of Health	57

LIST OF THE MEMBERS OF THE BOARD,

and the Year in which they go out of Office.

PARISH OF ST. GILES-IN-THE-FIELDS.

Names.	Addresses.	Go out of Office in
ABERCROMBIE, EDWARD	29, Great Queen Street	1895
ASHLEY, SIDNEY	152, 154 & 156, Shaftesbury Avenue	1894
AUSTIN, CHARLES	28, Denmark Street	1894
BAKER, CHARLES	244, High Holborn	1895
BROOKS, WILLIAM ELLIOTT	14, Great Queen Street	1895
BUSH, ALFRED	6A, Ridgmount Street	1895
BUSSELL, CHARLES	13, Gower Street	1895
COOPER, HENRY	24, Greek Street, Soho	1894
CORBEN, JAMES FREDERICK	30, Great Queen Street	1894
COULSON, JOHN HENRY	24, Neal Street	1894
DAVISON, JOHN	1, Little St. Andrew Street.	1893
DEED, ALFRED	91, New Oxford Street	1895
DEED, MARTIN	91, New Oxford Street	1894
DOLL, CHARLES FITZ-ROY	86, Gower Street	1893
DREW, JOHN	245, High Holborn	1894
FORBES-ROBERTSON, JOHN	22, Bedford Square	1894
GIBSON, WILLIAM	41, Keppel Street	1893
GUBB, ALFRED SAMUEL	29, Gower Street	1895
JACKSON, HUGH FREDERICK	29, Bedford Square	1893
JOHNSON, JOHN	Alderman House, Charing Cross Road	1894
JONES, EDWARD LAWRENCE	13, Newton Street	1893
MAYO, JOHN HORSLEY	67, Gower Street	1895
PATTISON, REUBEN ROGER	191, High Holborn	1893
SMITH, FRANCIS	253, Tottenham Court Road	1893
SMITH, GILBERT	4, Gower Street	1893
VALENTINE, PHILIP	9, Huntley Street	1895
WAINWRIGHT, CHARLES JAMES	252, High Holborn	1893

PARISH OF ST. GEORGE, BLOOMSBURY.

Names.	Addresses.	Go out of Office in
BERRIDGE, THOS. H. DEVEREUX .	40, Woburn Square .	1893
CARR, JOHN, J.P.	40, Bloomsbury Square .	1894
DIBDIN, CHARLES	33, Woburn Square .	1894
DIBLEY, GEORGE.	25, Russell Square .	1895
FENTON, WILLIAM HENRY . . .	11, New Oxford Street .	1893
GILBERT, HENRY OCTAVIUS . .	6, Vernon Place	1894
HAINES, GEORGE WILLIAM . . .	64, Russell Square	1894
HAXELL, JAMES	46, Bloomsbury Square .	1895
HEWITT, WILLIAM HENRY . . .	5, Bloomsbury Square . . .	1893
LEON, ARTHUR L.	44, Russell Square	1894
NEALE, JAMES	10, Bloomsbury Square . . .	1895
PAPWORTH, WYATT	33, Bloomsbury Street . . .	1895
PEARCE, GEORGE	239, Shaftesbury Avenue .	1894
RANYARD, ARTHUR COWPER. . .	13, Hunter Street	1895
SMITH, WILLIAM R.	74, Great Russell Street . .	1893
STAINES, J. F.	42, Bloomsbury Square . . .	1895
THACKER, SAMUEL JOHN	22, Montague Street	1894
TURNER, CHARLES ERNEST . . .	20, Bury Street	1895
WATKINS, EDWIN T.	61, Guilford Street	1893
WATSON, JOHN	23, Woburn Square	1893
WILLOUGHBY, GEORGE P.	4, Bedford Square	1893

Auditors of Accounts for the Present Year.

MATTHEWS, T. W., 6, High Street.

MASON, C. H., 201, Shaftesbury Avenue.

STOVELL, T., 50, High Street.

Representatives of the Holborn Division of Finsbury on the County Council for the County of London.

A. C. RANYARD, Esq., 13, Hunter Street.

J. F. REMNANT, Esq., 1, Temple Gardens, W.C.

Commissioners of Public Libraries.

BUSSELL, CHARLES.

DEED, MARTIN.

DOLL, CHARLES FITZ-ROY.

FORBES-ROBERTSON, JOHN.

NEALE, JAMES.

RANYARD, ARTHUR C.

COMMITTEES OF THE BOARD, 1892-93.

Finance Committee.

AUSTIN, CHARLES W.	PATTISON, REUBEN ROGER.
BAKER, CHARLES.	RANYARD, ARTHUR COWPER.
BUSSELL, CHARLES (<i>Chairman</i>).	SMITH, GILBERT.
COOPER, HENRY.	WAINWRIGHT, CHARLES JAMES.
DOLL, CHARLES FITZROY.	WILLOUGHBY, GEORGE P.
GIBSON, WILLIAM.	

Law and Parliamentary Committee.

ASHLEY, SIDNEY.	DREW, JOHN.
BERRIDGE, THOS. HY. D. (<i>Chairman</i>).	FENTON, WILLIAM HENRY.
COOPER, HENRY.	JACKSON, HUGH FREDERICK.
CORBEN, JAMES FREDERICK.	MAYO, JOHN HORSLEY.
DAVISON, JOHN.	RANYARD, ARTHUR COWPER.
	WILLOUGHBY, GEORGE P.

Sanitary Committee.

CARR, JOHN.	NEALE, JAMES (<i>Chairman</i>).
COOPER, HENRY.	RANYARD, ARTHUR COWPER.
DOLL, CHARLES FITZROY.	STAINES, JOHN FRANCIS.
GUBB, ALFRED SAMUEL.	TURNER, CHARLES ERNEST.
JONES, EDWARD LAWRENCE.	WATKINS, EDWIN THOMAS.
LEON, ARTHUR L.	WATSON, JOHN.

Works Committee.

BUSH, ALFRED.	JONES, EDWARD LAWRENCE
BUSSELL, CHARLES.	NEALE, JAMES.
DAVISON, JOHN	PAPWORTH, WYATT.
DOLL, CHARLES FITZROY (<i>Chairman</i>).	RANYARD, ARTHUR COWPER.
DREW, JOHN.	SMITH, FRANCIS.
FENTON, WILLIAM HENRY.	THACKER, SAMUEL JOHN.
GILBERT, HENRY OCTAVIUS.	WILLOUGHBY, GEORGE P.

OFFICERS OF THE BOARD.

Names.	Offices.
JONES, HENRY CORBETT.....	Clerk to the Board.
WALLACE, GEORGE	Engineer and Surveyor.
LOVETT, SAMUEL ROBERT	Medical Officer of Health.
COLWELL, JAMES KEAR	Analyst.
SCRIVENER, THOMAS P.	Chartered Accountant.
CHARDIN, WILLIAM ALFRED	Accountant Clerk.
DAVIES, ROBERT.....	Clerk in Surveyor's Office.
SPURRELL, EDWARD FREDERICK.....	} Assistants do.
STEVENSON, GEORGE HENRY	
REDMAN, WILLIAM.....	Office Clerk.
KENT, EDWIN.....	Sanitary Clerk.
SMITH, JOSEPH	} Street Inspectors and Inspectors of Nuisances.
DOWLING, JOHN.....	
BOND, WILLIAM HENRY	} Sanitary Inspectors and under Sale of Food and Drugs Acts.
ROBINSON, JOHN.....	
COX, JAMES.....	Inspector of Dust Bins.
NOTT, ARTHUR	Mortuary Keeper.
NORMAN, FREDERICK.....	Caretaker of St. Giles Churchyard.
GODDARD, HENRY	} Office Messengers.
SUMNER, FREDERICK THOMAS.....	
McKELLAR, ALEXANDER.....	} Attendants at Public Lavatories.
NORMAN, CHARLES	
GREEN, FLORENCE	
OWEN, MARY	

BANKERS OF THE BOARD.

THE LONDON AND WESTMINSTER BANK, Limited, Bloomsbury Branch,
No. 214, High Holborn.

THE BOARD OF WORKS

FOR THE

St. Giles District.

GENERAL REPORT.

The Past Year.

The year 1891-1892 has been one of considerable importance to the Metropolis, or as it is now more properly designated, the county of London, the coming into operation of the Housing of the Working Classes Act, 1890, and the passing of the Public Health (London) Act, 1891, having caused very considerable changes in the law relating to those matters. The year also witnessed the election of the second County Council for the administrative county of London, and so far as the division of which the St. Giles District forms part was concerned, resulted in the return of Messrs. A. C. Ran- yard and J. F. Remnant in place of Messrs. Alfred Hoare and T. W. Maule, the latter of whom did not seek re-election. The measure which has been so long promised for dealing with the subject of district councils has not yet been introduced into either of the Houses of Parliament, and having regard to the legislative programme for the present session, there seems little likelihood of the consideration of

such an important measure being entered upon during the existence of the present Parliament.

A very large amount of business has engaged the attention of the Board and its various Committees, and an immense amount of routine work has been got through. The following pages of this Report deal with some of the more important matters, but it must not be imagined that they contain a complete record of the year's proceedings.

During the year under review 113 Meetings of the Board and its Committees have taken place. The following are the particulars :—

Board Meetings—	
Ordinary	29
Special	8
Total	— 37
Committee Meetings—	
Finance	22
Law and Parliamentary	7
Sanitary	14
Special	6
Works	27
Total	— 76
Making in all a Total of	
	113

This list again shows an increase in the number of meetings held, and the remarks that have been made on previous recent occasions as to the length of time occupied are also applicable to the present instance.

Changes in the Personnel of the Board.

During the year several gentlemen have ceased to be members of the Board, and have been replaced by other

ratepayers. Messrs. John Henry Burlingson and Thomas Davies have died. Lieutenant-Colonel Edward James Gardener, Mr. Benjamin Bennett, and Mr. Felix Weiss have resigned. Mr. Burlingson and Mr. Davies were both active members of the Board and its Committees. The resignation of Mr. Bennett and Mr. Weiss were in consequence of their having left the District, while Lieutenant-Colonel Gardener resigned his seat.

The vacancies caused by these deaths and resignations were all filled up.

The fear which was expressed in the last Report that a still further number of gentlemen who have been members for many years are likely to vacate their seats seems only too well founded, for intimations are already to hand that there will be several vacancies at the ensuing election.

Accounts.

The accounts of the Board's receipts and expenditure have been prepared in the same form as on previous occasions. Mr. T. P. Scrivener, the Board's Chartered Accountant, has regularly examined the books of the Board, and the annual statements have been submitted to the Auditors elected, by whom they have been certified as correct, as appears by their certificate at the end of the accounts, which will be found on pages 22 to 37 of this Report.

The St. Giles Churchyard.

In the last Report the progress that had been made with a view to the laying out and opening to the public of the disused burial ground adjoining the St. Giles Church was referred to, and it is only now necessary to state that on

Wednesday, July 13, 1891, the grounds were thrown open to the public. The ceremony was performed by the Right Reverend the Bishop of Winchester, Dr. A. W. Thorold, formerly Rector of St. Giles-in-the-Fields. The order of proceedings may be generally summarized as follows:—

The Lord Bishop of Winchester arrived at 4 o'clock, and was met by the Rev. Canon Nisbet, the Rector of St. Giles-in-the-Fields, Charles Bussell and Gilbert Smith, Esqres., the Churchwardens, and Charles Fitz-Roy Doll, Esq., the Chairman of the Works Committee of the Board. His Lordship immediately proceeded up the main entrance through the Church, and so entered the Churchyard.

The Members of the Board of Works for the St. Giles District, and of the Joint Vestry of St. Giles-in-the-Fields and St. George, Bloomsbury, and the Guardians of the Poor having previously assembled, formed in procession and followed his Lordship.

On arriving at the spot selected for the ceremony, the Rev. Canon Nisbet, the Rector of St. Giles-in-the-Fields, welcomed the Lord Bishop of Winchester.

Charles Fitz-Roy Doll, Esq., the Chairman of the Works Committee, addressed the Lord Bishop, and asked him to declare the Churchyard open for the use of the public for ever.

The Lord Bishop of Winchester replied and declared the Churchyard open.

A hymn was then sung.

Charles Bussell, Esq., senior Churchwarden of St. Giles-in-the-Fields, moved a vote of thanks to the Bishop of Winchester for attending, which was seconded by J. F. Corben, Esq., Chairman of the Board of Guardians, and carried unanimously.

The Lord Bishop then replied, and the gates were opened by Mrs. Fitz-Roy Doll.

Since the opening of the grounds they have been patronised by a very large number of persons. A drinking fountain which formerly stood at the junction of Broad Street with Great St. Andrew Street, and which was removed in consequence of the laying out of the new street from Piccadilly to Bloomsbury, has been erected by the Metropolitan Drinking Fountain and Cattle Trough Association in the Churchyard, and a number of seats have been given by the Metropolitan Public Gardens Association and placed in the ground, in addition to those previously provided by the Board. To both these Associations great thanks are due for their assistance and for the improvement which has thus been rendered to the Garden.

The nature of the ground and the surroundings of the land are such as to render constant attention necessary. It is to be regretted that the plants and shrubs provided are not in a more flourishing condition, but it is hoped that care and attention will in time remedy this.

Vacant Land in Shaftesbury Avenue.

The northernmost piece of land at the entrance to Shaftesbury Avenue from New Oxford Street was during the year paved with asphalt and laid out as an open space and planted with trees. In the centre a handsome lamp column has been erected, surrounded by seats.

The work of constructing an underground place of convenience for men and women on the southernmost piece of land was completed, and on the 1st January 1892, the lavatories were opened. The way in which they have since been made use of gives ample evidence of how much they were needed.

The whole of the works connected with these two pieces of land were carried out from plans prepared by the Engineer and Surveyor to the Board, and under his personal supervision.

The following statement, which was prepared at the time gives detailed particulars of the construction of the convenience.

This convenience has been constructed by the Board on a small piece of land granted to it by the London County Council for the purpose, out of the surplus land acquired for constructing the new street from Piccadilly to Bloomsbury, which was authorised by the Metropolitan Street Improvement Act, 1877.

The site available for the works was somewhat limited in character, but the best use has been made of it. The superficial area of the whole is under 1,000 feet.

At an average depth of about ten feet below the level of the adjoining public way conveniences for men and women have been provided.

In the men's department there are four closets, ten urinals, and two lavatories. The whole of the urinals and one watercloset are available for use free of charge. For the other closets, and for the lavatories, a charge of one penny for each person is made.

In the women's department there are three closets and one lavatory ; in this case also one closet is free, and for the others, and for the use of the lavatory, a charge of one penny for each person is made.

The work has been executed in accordance with plans and specifications prepared by Mr. George Wallace, the Engineer and Surveyor to the Board.

The Contractors were Messrs. C. W. Killingback & Co., of Bewley Cliff Wharf, James Street, Camden Town, N.W.

The sanitary arrangements have been carried out by Mr. George Jennings, of Palace Wharf, Stangate, Lambeth, and the whole of the internal fittings are of the most modern description. The w. c.'s and urinals are all disinfected by Jennings' Self-Acting Disinfector. The closets for which payment is required are fitted with Hancock's Patent Automatic Door Locks.

The surface over the convenience is formed of Messrs. Hayward's pavement lights. The entrances are enclosed with wrought-iron railings, and in the centre of the structure it is intended to place an ornamental ventilating lamp column, which is being cast by Messrs. Pontifex & Co., of No. 22, Coleman Street, E.C., from the design of Mr. G. Wallace. Around the

boundary of the convenience trees have been planted, and it is proposed to place seats or shrubs on the vacant portion of the public way.

The net cost of the work is estimated at about £2,000.

The Public Health (London) Act, 1891.

A Bill to consolidate the law relating to public health in the county of London was introduced into the House of Commons by the Right Hon. C. T. Ritchie, President of the Local Government Board, on the 25th day of February, 1891. The Board had had an opportunity of offering their observations on the draft Bill as a consolidation Bill some time previously. After the consolidation Bill had been read a second time, a Bill for the amendment of the laws relating to public health in the metropolis was also introduced, and having been read a second time were both referred to the Standing Committee on Law, when they were subsequently amalgamated in one measure, and under the title of the Public Health (London) Act, 1891, passed into law on the 5th day of August, 1891, and came into operation on the 1st day of January, 1892.

The Act makes several important amendments of the existing law, and the increased powers that have been given by it to Local Authorities have already been found to be of great advantage.

Particulars of the proceedings which have been carried out under the Act will be of interest, and the following statistics are therefore given.

Number of notices served:—

For abatement of nuisances	126
„ . „ „ overcrowding	6
„ disinfection after infectious diseases	44

Synopsis of sections as to ceasing to occupy house without disinfection, and as to the disposal of infected rubbish	}	44
Number of cases in which proceedings have been taken before Police Magistrate	}	7
Number of cases in which the work has been carried out by the Board under Magistrate's order	}	2

In addition to the above, 381 notices requiring the abatement of breaches of regulations made by the Board as to houses let in lodgings or occupied by members of more than one family were also served. These notices received attention in all except 2 cases, in which proceedings were taken before police magistrates.

The Shelton Street Area.

Reference was made in the last Annual Report to the proposals of the London County Council for dealing with this area. The Bill for confirming the Provisional Order as amended was duly passed into law in the last session of Parliament, and since that date the work of widening Macklin Street and Parker Street, and constructing the new street between Parker Street and Shelton Street, has been carried out, and the London County Council are now engaged in erecting a model common lodging-house on the Parker Street frontage. Several plots of land that are not required for the purpose of the lodging-house are about to be offered for sale by public auction for the purpose of constructing on them artisans' dwellings.

With the rate of progress that is being made with the lodging-house it is anticipated that this area will be shortly again populated, and that this will reduce the pressure on

the surrounding neighbourhood, which is at present very great.

Trees and Seats in Open Spaces.

The Metropolitan Public Gardens Association have, during the past year, contributed the sum of £100, which has been expended by the Board in tree planting in various thoroughfares in the District. They have also given to the Board 24 seats. The trees and seats were disposed of as follows :—

In Shaftesbury Avenue	..	...	13 trees.
Do. on vacant Land	...	...	3 seats.
Do. at Underground Convenience			4 seats.
In North Crescent	...	...	6 trees and 3 seats.
In South do.	...	...	6 trees and 2 seats.
In St. Giles Churchyard	...	...	12 seats.

Parliamentary Schemes.

(a) PUBLIC BILLS.

Among the Public Bills which received consideration at the hands of the Law and Parliamentary Committee and the Officers of the Board were the following. It was not, however, deemed necessary to take any action upon them.

Dangerous Employment (Hours of Labour).

School Board for London (Superannuation).

Beer Adulteration.

Sale of Food and Drugs Act, 1875 (Amendment).

Housing of the Working Classes.

Shops Weekly Half Holiday.

Hospitals (Assistance from Rates).

Libraries Law Consolidation.

Hop Substitutes.

Smoke Nuisance, Metropolis.

(b) PRIVATE BILLS.

The following Private Bills affected the District of the Board, and the subjoined particulars will therefore be interesting.

HAMPSTEAD, ST. PANCRAS AND CHARING CROSS RAILWAY.

This was a scheme for providing a railway from Hampstead to Charing Cross ; it proposed, so far as the Board's District was concerned, to run beneath Tottenham Court Road and Charing Cross Road.

The question of electric and cable railways in the Metropolis received special attention at the hands of a joint committee of both Houses of Parliament, who in a report made certain recommendations.

After the consideration of this report the Bill was read a second time and referred to a Select Committee, but up to the time of writing this report no progress has been made with it.*

NORTH METROPOLITAN TRAMWAYS EXTENSION.

The North Metropolitan Tramways Company were desirous of extending their Tramway from Theobald's Road along Vernon Place, Bloomsbury Square, Hart Street and into Bury Street, to a terminus adjoining New Oxford Street. A very influentially signed memorial protesting against the scheme was presented to the Board, and having regard to all the circumstances of the case the Board decided to refuse its consent, and the Promoters were therefore unable to comply with the standing orders of the House of Commons, and were obliged to strike their proposals out of the Bill.

* The Bill has, in consequence of the dissolution of Parliament, been deferred to the next Session of Parliament.

LONDON COUNTY COUNCIL GENERAL POWERS BILL.

The only question in this Bill specially affecting the St. Giles District was that relating to the proposals to throw open Lincoln's Inn Fields. The Board did not take any action either for or against the proposals, but when the Bill came before the Select Committee of the House of Commons the clause was struck out.

NATIONAL TELEPHONE COMPANY'S BILL.

NEW TELEPHONE COMPANY'S BILL.

These Bills were promoted by two of the Companies providing telephonic communication in the Metropolis for conferring further powers upon them.

Grave objections were entertained to certain of the proposals which the Bills contained, and petitions were therefore presented to the House of Commons against the measures, but no progress has been made with either of them at the time of writing this Report.

Renaming Streets.

During the year under review an order of the London County Council for abolishing the name Feathers Court and renaming that thoroughfare Holborn Place has been received and carried into effect.

Sale of Food and Drugs Act.

During the past year 186 samples have been purchased and analysed under the Act, consisting of the following:—Milk, butter, pepper, peas, beans, brandy, whisky, gin and rum. In 21 cases the samples proved to be adulterated. In one of these instances the adulteration was of so trifling a nature that no action was taken, but in 20 cases proceed-

ings were taken against the offenders, and in every instance a conviction was obtained and fines and costs inflicted by the magistrate amounting to the sum of £29 15s.

While dealing with this subject the Board have to regret the loss of Dr. Theophilus Redwood, who had acted as the Board's Analyst since the passing of the Sale of Food and Drugs Act, 1875. On receiving the intelligence of his death the Board ordered a resolution of sympathy to be forwarded to his relatives.

Public Libraries Act, Adoption of.

On the 28th day of April, 1891, the Board received a requisition under the Public Libraries Act, 1855-1890, requiring them to ascertain the opinion of the Electors of the District (*a*) as to the adoption of the Libraries Act and (*b*) as to limiting the rate to one halfpenny. For the purpose of the poll the Clerk to the Board was appointed to act as Presiding Officer. The opinion of the Electors in the District was taken by means of voting papers on the 12th day of May, and the following result was reported to the Board on the 13th day of May :—

The number of Voting Papers issued corresponds with the number of Voters on the Register, viz.	6826
The number of persons voting "Yes" in favour of the adoption of the Acts, was	1746
The number of persons voting "No" against the adoption of the Acts, was	876
The number of persons voting "Yes" in favour of the rate being limited to one halfpenny in the £, was	1602
The number of persons voting "No" against the rate being limited to one halfpenny in the £, was	755

The number of invalid Voting Papers was as follows :—

Marked "Yes" in favour of the adoption of the Acts ...	136
--	-----

Marked "No" against the adoption of the Acts	100
Marked "Yes" in favour of the rate being limited to one halfpenny in the £	115
Marked "No" against the rate being limited to one half- penny in the £	94
Papers irregularly filled up...	116
The number of papers not filled up was	1920
The number of papers not returned was	1925

On the 9th day of June, 1891, the following gentlemen were appointed as Library Commissioners for the ensuing year :—

BUSSELL, Mr. CHARLES.	FORBES-ROBERTSON, Mr. JOHN.
DEED, Mr. MARTIN.	NEALE, Mr. JAMES.
DOLL, Mr. CHARLES FITZ-ROY.	SMITH, Dr. WILLIAM R.

New Street from High Holborn to the Strand.

This extremely important improvement has again occupied the serious attention of the Board, and they have from time to time made representations to the London County Council on the subject. It is much to be regretted that no steps have yet been taken with a view to carrying out the improvement.

HENRY C. JONES,

Clerk to the Board.

ANNUAL REPORT OF THE ANALYST

APPOINTED UNDER THE SALE OF FOOD AND DRUGS ACT.

TO THE BOARD OF WORKS FOR THE ST. GILES
DISTRICT.

GENTLEMEN,

During the year ending 25th March, 1892, Dr. Redwood received from your Inspectors, Messrs. J. Robinson and W. H. Bond, 186 samples for analysis, viz., 92 samples from Inspector Robinson, and 94 samples from W. H. Bond. These samples consisted of 109 of milk, 16 of butter, 23 of peppers, black, white and cayenne peppers, 9 of preserved vegetables, green peas, haricot and French beans, and 29 of spirits, including rum, gin, brandy, and whisky. 81 of the milks proved to be not adulterated, but 9 of the samples were poor in quality, and 4 of them could only be returned as very poor milk. One was adulterated with 5 per cent., 1 with 6 per cent., 2 with 9 per cent., 2 with 10 per cent., 1 with 12 per cent., 1 with 13 per cent., 1 with 15 per cent., 1 with 18 per cent., 1 with 20 per cent., 1 with 27 per cent., 1 with 30 per cent., and 1 with 37 per cent. of added water. In addition to these 1 sample sold as milk was skimmed milk.

13 of the 16 butters were genuine, whilst 3 samples contained, respectively, 35, 45, and 80 per cent. of foreign fat. One, only, of the 23 peppers submitted was adulterated, and that one, a white pepper, contained 20 per cent. of rice starch. Of the spirits examined a sample of rum was adulterated with 3 per cent. of added water, and a whisky with 74 per cent. of the same adulterant.

The preserved vegetables were in a wholesome condition, and although minute traces of copper could be detected in all the samples of green peas and French beans, the amount was such as to exclude any action being taken.

I am, Gentlemen, your obedient Servant,

A. J. DE HAILES.

2, FISHER STREET, RED LION SQUARE LONDON, W.C.

9th May, 1892.

THE BOARD OF WORKS FOR

ABSTRACT of RECEIPTS and PAYMENTS of the BOARD for

RECEIPTS.	Ledger folio.	£	s.	d.	£	s.	d.
THE JOINT VESTRY of St. Giles and Bloomsbury, under Precept of 1890	9		1	5			
Ditto, Precept of 1891	11	51,301	3	5			
		51,301	4	10			
Ditto, Free Libraries' Precept, 1891	28	500	0	0			
					51,801	4	10
MISCELLANEOUS RECEIPTS :							
Disturbed paving works	27	1,249	15	10			
License fees	"	46	2	6			
Sale of Food and Drugs Acts—Fines and expenses recovered	32	29	17	0			
Sanitary Acts—Expenses of works and disinfecting recovered	44	58	7	3			
Advertising Stations Rating Act ...	33	8	0	0			
Infectious Diseases Notifications Fees refunded by Metropolitan Asylums Board	29	21	12	6			
London County Council—Refund of moiety of salary of the Medical Officer of Health	50	300	0	0			
Broken Lamps — Gratuities refunded by contractors	53	2	15	0			
Receipts for Damages to Lamps	"	3	14	9			
Mortuary Fees	39	15	14	6			
Old Paving Stone and Materials	51	461	16	0			
Metropolitan Gardens Association Contribution towards cost of Planting Trees in thoroughfares	53	100	0	0			
The Vestry of St. Pancras under Agreement for cleansing and repairs of Tottenham Court Road	47	181	9	0			
Contractor's Deposit with Tender forfeited...	53	10	0	0			
					2,489	4	4
Carried forward	...	...	...	...	54,290	9	2

THE SAINT GILES DISTRICT.

GENERAL PURPOSES, from March 25, 1891, to March 25, 1892.

PAYMENTS.	Ledger folio.	£	s.	d.	£	s.	d.
SALARIES AND SUPERANNUATION :							
Clerks and Officers	118	3,277	7	6			
Analyst	"	100	0	0			
Superannuation allowance...	277	72	1	8			
							3,449 9 2
PAVING :							
Wages of Paviers and Labourers ...	132	3,043	6	8			
Granite and Footway Stone ...	143	1,120	5	0			
Gravel, Sand, and Shells ...	154	499	2	9			
Bricks, Lime, and Cement ...	156	126	12	10			
Cartage of Materials	157	742	6	3			
Guard Posts	158	13	10	2			
Paviers' Implements	162	313	1	11			
Iron Founders' Work	164	14	7	2			
Blocks for Wood Paving	165	708	18	6			
Road Roller and Water Cart Hire	168	105	16	0			
Asphalte Paving, under Contracts...	172	7,165	4	5			
Wood Paving, under Contracts ...	174	275	1	6			
							14,127 13 2
CLEANSING :							
Street Orderlies' Wages	196	2,709	10	11			
Street Orderlies' Implements and Clothing...	210	561	5	5			
Cartage of Slop, under Contract ...	198	2,850	0	0			
Hire of Horses and Drivers, under Contract...	"	260	0	0			
Snow Clearing—Wages, Cartage, &c.	200	602	11	4			
							6,983 7 8
DUST :							
Removal of Dust, under Contract...	215	3,000	0	0			
Disinfectants for Dust Bins ...	215	10	15	0			
							3,010 15 0
Carried forward	...	...	...	...	27,571	5	0

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

5307 S. DICKINSON DRIVE

CHICAGO, ILLINOIS 60637

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PHYSICS 101

LECTURE 1

MECHANICS

1.1 Kinematics

1.2 Dynamics

1.3 Energy

1.4 Momentum

1.5 Angular Momentum

1.6 Oscillations

1.7 Waves

1.8 Relativity

1.9 Quantum Mechanics

1.10 Modern Physics

1.11 Electromagnetism

ABSTRACT of RECEIPTS and PAYMENTS

	Ledger folio.	£	s.	d.	£	s.	d.
Amount brought forward	54,290	9	2
TRANSFER FROM SEWER ACCOUNT for Management Expenses for the Year ended 25th March, 1892	600	0	0
					54,890	9	2
Balance at Bankers, 25th March, 1891, brought forward	3,603	1	3
Carried forward	58,493	10	5

for GENERAL PURPOSES—continued.

	Ledger folio.	£	s.	d.	£	s.	d.
Amount brought forward ...	...	...	...	...	27,571	5	0
LIGHTING :							
Gas ...	218	3,701	4	1			
Columns and Lanterns ...	224	565	19	3			
					4,267	3	4
WATERING :							
Carts, Horses and Men, hired under Contract...	231	913	4	0			
Stand Pipes ...	233	28	19	4			
Water ...	234	166	3	3			
Disinfectants ...	235	29	1	0			
					1,137	7	7
STONE YARD AND PREMISES :							
Insurance, Rates and Taxes ...	249	135	6	11			
Mortuary Ground Rent ...	244	55	0	0			
Repairs of Premises, Fittings, and Furniture ...	237	329	3	5			
					519	10	4
ST. GILES CHURCHYARD :							
Improvement works and maintenance	166				210	18	3
MISCELLANEOUS :							
Painter and Plumber under Sanitary Orders ...	255	6	3	8			
Stationery and Bookbinding ...	92	170	18	0			
Printing ...	93	131	11	11			
Advertising ...	246	93	6	8			
Oil and Chandlery ...	252	25	8	9			
Coal and Coke ...	95	63	15	0			
Street Nomenclature ...	96	55	12	1			
Inspectors' Uniforms ...	267	46	6	2			
Carried forward ...		593	2	3	33,706	4	6

THE UNIVERSITY OF CHICAGO

PHILOSOPHY DEPARTMENT

PHILOSOPHY 101

LECTURE NOTES

BY [Name]

DATE [Date]

ABSTRACT of RECEIPTS and PAYMENTS for GENERAL PURPOSES—continued.

<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>	<i>£ s. d.</i>
Amount brought forward	58,493 10 5	Amount brought forward ...	593 2 3 33,706 4 6
		Registrars' returns, postage and receipt stamps and incidentals ...	90 154 10 10
		Vestries and District Boards Committee on London Water Supply, contribution towards expenses ..	„ 25 0 0
		Deposits for restoration of Paving Works returned... .. .	273 109 6 10
		Trees and Tree Guards	97 229 16 3
		Sale of Food and Drugs Acts—Purchases for analysis	275 5 9 10
		Infectious Diseases Notification fees	90 21 12 6
		St. Pancras Vestry, under agreement for cleansing and repairs of Tottenham Court Road ...	282 182 8 0 1,321 6 6
		Law and Parliamentary Expenses ...	238 731 12 9
		Free Libraries Poll Expenses	„ 90 7 0
			821 19 9
		LOANS:	
		Goldsmith's Alley Improvement—	
		Repayment	232 36 0 0
		„ „ Interest ...	246 52 6 3
		Purchase of Nos. 197-8, High Holborn—	
		Repayment	284 267 0 0
		„ „ Interest ...	287 194 0 9
			549 7 0
			36,398 17 9
		SCHOOL BOARD FOR LONDON:	
		Precepts, 1891	277 18,030 0 6
		Election Expenses... .. .	„ 122 4 5
			18,152 4 11
			54,551 2 8
		Balance at Bankers, 25th March, 1892	3,942 7 9
			£58,493 10 5
			£58,493 10 5

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PHYSICS 101

LECTURE 1

MECHANICS

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Foundling Estate Rate Account.

RECEIPTS.	Ledger folio.	£ s. d.
Balance at Bankers, 25th March, 1891	172 19 11
The Joint Vestry of St. Giles and Bloomsbury, under Precept, 1891	48	269 16 9
		<u>£442 16 8</u>

Rate Account.

PAYMENTS.	Ledger folio.	£ s. d.	£ s. d.
Interest to Bondholders of Foundling Estate Rate Account Debt ...	291	253 10 0	
Income Tax	294	6 15 0	
		<u>260 5 0</u>	
Balance at Bankers, 25th March, 1892 ... ..	...	...	182 11 8
			<u>£442 16 8</u>

Brunswick Square Garden Rate Account.

RECEIPTS.	Ledger folio.	£ s. d.
Balance at Bankers overdrawn, 25th March, 1892	...	36 0 0

PAYMENTS.	Ledger folio.	£ s. d.
The Garden Committee, under Precept, 1891 ...	300	36 0 0

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LECTURE 1

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Sewers Rate Account.

RECEIPTS.	Ledger folio.	£	s.	d.	£	s.	d.
The Joint Vestry of St. Giles and Bloomsbury, under Precept, 1890	54	900	0	0			
Ditto ditto 1891		4,000	0	0			
		<hr/>			4,900	0	0
Connections with Sewers and House Drains	55	179	2	4			
Shaftesbury Avenue Lavatories, opened 1st January, 1892... ..	56	41	8	5			
		<hr/>			220	10	9
London County Council - Loan for construction of Shaftesbury Avenue Lavatories					1,800	0	0
		<hr/>			6,920	10	9
Balance at Bankers, 25th March, 1892, Overdrawn					183	1	10
		<hr/>					
		<hr/>			<u>£7,103</u>	<u>12</u>	<u>7</u>

PAYMENTS.	Ledger folio.	£	s.	d.	£	s.	d.
WAGES AND MATERIALS OF REPAIRS :							
Drain Pipes and Urinal Fittings ...	61	203	12	11			
Bricks, Lime and Cement... ..	..	69	16	0			
Iron Founders' Work	62	155	16	11			
Painting and Plumbing ... ..	..	49	2	0			
Implements and Clothing	63	177	8	3			
Disinfectants ... ..	..	55	13	0			
Water for Flushing	134	253	11	5			
Wages	64	1,487	8	0			
Timber	67	35	6	8			
Cartage of Materials	68	59	15	6			
Oil and Chandlery... ..	..	22	9	0			
		<hr/>			2,569	19	8
New Sewers—under Contract					1,165	10	1
SHAFTESBURY AVENUE LAVATORIES (opened 1st January, 1892)							
Construction under Contract	66	1,839	5	11			
Interest on Loan and Cost of Mortgage	65	18	8	1			
Wages of Attendants	136	55	7	4			
Fittings and Supplies	66	36	7	0			
		<hr/>			1,949	8	4
		<hr/>			5,684	18	1
TRANSFER TO GENERAL ACCOUNT for Management Expenses to Lady-day, 1892							
	347				600	0	0
Balance at Bankers, 25th March, 1891, Overdrawn, brought forward					818	14	6
		<hr/>			<u>£7,103</u>	<u>12</u>	<u>7</u>

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PHYSICS 101

LECTURE 1

MECHANICS

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SUMMARY showing the TOTAL RECEIPTS and PAYMENTS of the BOARD for the year ending March 25, 1892.

RECEIPTS.				PAYMENTS.						
	£	s.	d.	£	s.	d.	£	s.	d.	
GENERAL PURPOSES RATE ACCOUNT:				GENERAL PURPOSES RATE ACCOUNT:						
The Joint Vestry of St. Giles and Bloomsbury, under Precepts of the Board ...	51,801	4	10	Salaries and Superannuation Allowance ...	3,449	9	2			
Miscellaneous Receipts for Restoration of Disturbed Pavings, and Fines and Expenses recovered ...	2,489	4	4	Paving ...	14,127	13	2			
	<u>54,290</u>	<u>9</u>	<u>2</u>	Cleansing ...	6,983	7	8			
Transfer from Sewer Account for Management Expenses ...	600	0	0	Dusting ...	3,010	15	0			
				Lighting ...	4,267	3	4			
				Watering ...	1,137	7	7			
				Stone Yard and Premises ...	519	10	4			
				Miscellaneous Expenses ...	1,321	6	6			
				Law and Parliamentary Expenses ...	821	19	9			
				Loans—Repayment and Interest ...	549	7	0			
				St. Giles Churchyard ...	210	18	3			
					<u>36,398</u>	<u>17</u>	<u>9</u>			
				School Board for London ...	18,152	4	11	54,551	2	8
FOUNDLING ESTATE RATE ACCOUNT:				FOUNDLING ESTATE RATE ACCOUNT:						
The Joint Vestry, under Precept ...				The Interest on Bond Debt and Income Tax ...				260	5	0
				BRUNSWICK SQUARE GARDEN RATE ACCOUNT:						
				Garden Committee, under Precept ...				36	0	0
SEWERS RATE ACCOUNT:										
The Joint Vestry, under Precept ...	4,900	0	0	SEWERS RATE ACCOUNT:						
Connections with Sewers and Lavatory Receipts ...	220	10	9	Materials and Wages of Repairs ...	2,569	19	8			
Loan from London County Council ...	1,800	0	0	New Sewers, under Contract ...	1,165	10	1			
				Shaftesbury Avenue Lavatories ...	1,949	8	4			
					<u>5,684</u>	<u>18</u>	<u>1</u>			
				Transfer to General Account for Management Expenses ...	600	0	0	6,284	18	1
Carried forward ...	62,080	16	8	Carried forward ..				61,132	5	9

THE UNIVERSITY OF CHICAGO

PHILOSOPHY DEPARTMENT

PHILOSOPHY 101

LECTURE NOTES

BY [Name]

DATE [Date]

SUMMARY showing the TOTAL RECEIPTS and PAYMENTS of the BOARD for the year ending March 25, 1892—continued.

	£	s.	d.	£	s.	d.
Amount brought forward	62,080	16	8
TOTAL RECEIPTS:						
Actual Cash Receipts	61,480	16	8
Transfers	600	0	0
				<u>£62,080</u>	<u>16</u>	<u>8</u>

BALANCE AT BANKERS, 25th MARCH, 1891,

brought forward:						
On General Account	...	...	...	3,603	1	3
„ Foundling Estate Account	...	...	...	172	19	11
				<u>3,776</u>	<u>1</u>	<u>2</u>
<i>Less—Overdrawn:</i>						
Sewer Account	...	...	...	818	14	6
				<u>2,957</u>	<u>6</u>	<u>8</u>
				<u>£65,038</u>	<u>3</u>	<u>4</u>

	£	s.	d.	£	s.	d.
Amount brought forward	61,132	5	9
TOTAL PAYMENTS:						
Actual Cash Payments	60,532	5	9
Transfers	600	0	0
				<u>£61,132</u>	<u>5</u>	<u>9</u>

BALANCE AT BANKERS, 25th MARCH, 1892:

On General Account	...	...	...	3,942	7	9
Foundling Estate Account	...	...	...	182	11	8
				<u>4,124</u>	<u>19</u>	<u>5</u>
<i>Less—Overdrawn:</i>						
Sewer Account	...	...	...	183	1	10
Brunswick Square Account	...	...	...	36	0	0
				<u>219</u>	<u>1</u>	<u>10</u>
				<u>3,905</u>	<u>17</u>	<u>7</u>
				<u>£65,038</u>	<u>3</u>	<u>4</u>

THE UNIVERSITY OF CHICAGO

PHILOSOPHY DEPARTMENT

PHILOSOPHY 101

LECTURE NOTES

BY [Name]

DATE [Date]

THE UNIVERSITY OF CHICAGO

PHILOSOPHY DEPARTMENT

PHILOSOPHY 101

LECTURE NOTES

BY [Name]

DATE [Date]

WE, the undersigned Auditors, appointed by the Board of Works for the St. Giles District to examine and audit the Accounts of the said Board from the 25th day of March, 1891, to the 25th day of March, 1892, have investigated such Accounts and the documents relating thereto, and do hereby certify that we have this day audited the said Accounts, at their Offices, No. 197, High Holborn, and that the same are true and correct in all particulars, and do allow and sign the same in token thereof.

*Given under our hands this 30th day of May, One
Thousand Eight Hundred and Ninety-Two.*

THOMAS W. MATTHEWS.

CHAS. H. MASON.

T. STOVELL.

TO THE BOARD OF WORKS FOR THE ST. GILES DISTRICT.

ENGINEER AND SURVEYOR'S DEPARTMENT,
197, HIGH HOLBORN, W.C.

June 14, 1892.

GENTLEMEN,

I beg to lay before you the following Report on the works executed by your Board during the year ending 25th March last.

Pavings.

CARRIAGE-WAYS.

SITUATION.	DESCRIPTION OF PAVING.	NET COST
Great Russell Street, between Bloomsbury Square and Charlotte Street ...	2-in. compressed asphalt on 6-in. portland cement concrete foundation ...	£ s. d. 1991 15 10
Store Street ...	do. do. do.	1184 7 1
High Street, between New Oxford Street and Denmark Street ...	do. do. do.	722 4 4
Great Queen Street, from Little Queen Street to Lincoln's Inn Fields ...	do. do. do.	320 19 9
Dyott Street, north of New Oxford Street...	do. do. do.	257 7 4
Little St. Andrew Street and Upper St. Martin's Lane ...	3-in. by 9-in. by 5-in. jarrah wood blocks, on concrete foundation ...	583 1 11
Alfred Mews ...	Redressed granite on concrete foundation ...	371 18 9
Brunswick Square ...	3-in. by 9-in. by 6-in. fir blocks on concrete foundation ...	346 2 0

FOOTWAYS.

SITUATION.	DESCRIPTION OF PAVING.	NET COST.
Store Street	Repairs to york stone paving and granite kerb ...	£ s. d. 397 7 11
Dyott Street, north end ...	New 3-in. york stone flagging and 12-in. by 9-in. granite kerb	104 9 8
Guilford Street, south side, from Russell Square to Bolton Gardens... ..	do. do.	94 0 8
Little St. Andrew Street, west side	Repairs to york stone paving and granite kerb ...	69 5 8
Bloomsbury Square, south and east sides, next garden	do. do.	150 10 7
Tottenham Court Road, from gateway to Messrs. Meux and Co.'s premises to Great Russell Street	New 3-in york stone flagging and repairs to granite kerb.	83 6 1

The wood carriage-way pavement on the west side of Bloomsbury Square, laid by the Improved Wood Pavement Company, becoming in bad repair, I gave the Company notice to make good the same, and the Company thereupon removed the whole of the old paving and laid new wood blocks in place thereof, under the terms of their Contract with the Board for its maintenance.

The carriage way paving of Bolton Gardens, which is a private way not repairable by the Board, being in bad repair, notice was served on the adjoining owners to make good the same, which not being done, the Board, under the powers conferred on it by the Metropolis Local Management Act, executed the work, charging the expense of the same to the owners.

The wood paving at the entrance to Colonnade was

taken up and new Jarrah wood blocks laid at a cost of £27 11s. 2d.

The following macadamized roads were re-coated with broken granite, a steam roller seven tons in weight being used to level the surface :—

Arthur Street.	Chenies Street.
Bedford Square.	Goldsmith Street.
Brunswick Square.	Montague Place.
Russell Square.	

Maintenance of Asphalte Carriage-way Pavements.

During the year Contracts were entered into between your Board and the several Contractors who laid the pavements, for a further maintenance for 15 years of the following streets, at the prices per yard superficial placed against the same :—

Guilford Street	...	...	8d.	per yard superficial per annum.
Duke Street	...	...	6d.	„ „
Torrington Street	...	...	6d.	„ „

Obstructive Spur Stones.

The spur stones placed against lamp posts and guard posts in the District, which were an obstruction to the public traffic, have been removed during the year and the paving made good at a cost of £88 6s. 4d.

Sewers.

The following Sewer Works were performed during the year :—

Hyde Street...	...	...	...	50 feet run new 4 ft. by 2 ft. 6 in. brick sewer.
Lumber Court	...	...	...	78 feet do. do.
Serle Street...	...	...	...	65 feet do. do.
Lincoln's Inn Fields	...	...	...	144 feet run new 12 in. pipe sewer.
Russell Square, east side, from Guilford Street to Bernard Street	...	...	...	177 feet run of existing sewer underpinned and repaired.
Great Coram Street, from Woburn Place to Little Coram Street	...	...	...	262 feet do. do.
New Yard	...	...	...	New side entrance.

The invert of the sewer in Parker Street for a length of about 140 feet west of Newton Street being defective was removed and a new invert formed.

An old brick sewer that ran from the public sewer in High Street to the front of the house No. 4, High Street, and again from the back frontage of the said house into Clarke's Mews, was destroyed, and new 12 inch pipes laid in lieu thereof, connecting with the sewer in High Street.

The old pipe sewer in Great Turnstile for a length of about 60 feet being found defective, was removed, and new 12 inch pipes substituted. In connection with this work a flushing tank was constructed at its head by Newman's Row.

The whole of the covers to the side entrance to sewers were repaired and painted at a cost of £22 9s. 2d.

The flushing gates in the sewers were repaired at a cost of £40 15s. 10d.

Flushing of Sewers and Courts.

The following sewers were twice flushed by water obtained from the New River mains; once in June and once in September.

Abbey Place.
 Alfred Mews.
 Bainbridge Street.
 Bernard Mews.
 Brunswick Mews.
 Caroline Mews.
 Charlotte Mews.
 Church Passage.
 *Clarkes Buildings.
 Clarkes Mews.
 Compton Mews.
 *Denmark Place.
 Duke Street.
 *Dunns Passage.
 Galen Place.
 *Gate Street.
 George Yard.
 Goldsmith Street.
 Gower Mews.
 *Great Turnstile.
 Halls Yard.
 Henrietta Mews.
 High Street.
 Hunter Mews.
 *Kennedy Court.
 *Kings Arms Yard.
 Lawrence Street.

Lincolns Inn Fields.
 *Little Denmark Street.
 Little White Lion Street.
 *Lumber Court.
 Maynard Street.
 *Middle Yard.
 Montague Mews.
 *Neals Yard.
 *New Yard.
 Newmans Row.
 *New Turnstile.
 North Crescent.
 North Keppel Mews.
 Queens Head Yard.
 Queen Street.
 Red Lion Yard.
 Ridgmount Gardens.
 Ridgmount Street.
 Russell Mews.
 Serle Street.
 Southampton Mews.
 Stone Yard.
 Tavistock Mews.
 *Tichborne Court.
 Torrington Square.
 *Wild Court.
 Woburn Mews, East.

Woburn Mews.

The surfaces of the foregoing list of streets and courts which are marked with an asterisk, and also the following streets, were flushed twice weekly during the summer months.

Bloomsbury Court.
 Feathers Court.
 Lascelles Court.
 Lascelles Place.
 Little Turnstile.

Lloyds Court.
 Nottingham Court
 Princes Court.
 Shelton Street.
 Twyford Buildings.

Street Cleansing.

The scavenging of the District was performed by a staff of men employed by the Board numbering 36 men and 16 boys to the end of the year 1891, but at the commencement of the present year, in consequence of the additional work thrown upon the Board by the Public Health Act, this

staff was increased to 37, consisting of 1 foreman, 5 gangers, and 31 sweepers, and 26 boys, the total scavenging staff now, therefore, amounts to 63 men and boys.

In addition to the manual labour, two sweeping machines, drawn by horses, were also used in sweeping the carriageways.

The street sweepings were carted away by contract, and amounted to a total of 6,164 van loads, equal to over 18,000 cubic yards.

The carriage-ways of the main thoroughfares that are paved with wood and asphalt were washed frequently during the year by means of watering-carts. The cost of this washing is included in the two items of cost for street cleansing and street watering given hereafter

The market streets in the District and the streets inhabited by the poorer classes, of which the following is a list, were cleansed on Sundays between the hours of 6 and 10 a.m., those streets in the list marked with an asterisk being cleansed a second time between 12 noon and 2.30 p.m. After the second cleansing the streets were watered with a weak solution of permanganate of potash ;—

Abbey Place.	*Little Earl Street.
Arthur Street.	*Little White Lion Street.
Bainbridge Street.	*Little Wild Street.
Castle Street.	*Lloyds Court.
Colonnade.	*Lumber Court.
Kenton Street.	*Macklin Street.
Little Coram Street and Courts adjacent.	Neal Street.
Little Guilford Street.	Newton Street.
Marchmont Street.	*Parker Street.
Castle Street.	*Phoenix Street.
Church Passage.	*Queen Street.
*Drury Lane.	*Seven Dials.
Dyott Street.	*Shelton Street.
*Goldsmith Street.	*Shorts Gardens.
*Great Earl Street.	*Smarts Buildings.
*Great Wild Street.	Stacey Street.
	*Tower Street.

The following thoroughfares were also cleansed on Sundays between 6 and 10 a.m., viz. :—

Bloomsbury Square (south side).	Kingsgate Street.
Bury Street.	Little Queen Street.
Charing Cross Road.	Little Saint Andrew Street.
Endell Street.	New Compton Street.
Great Queen Street.	New Oxford Street.
Great Saint Andrew Street.	Shaftesbury Avenue.
Hart Street.	Southampton Row.
High Holborn.	Theobald's Road.
High Street.	Tottenham Court Road.

Vernon Place.

The main thoroughfares in the District were also watered twice on Sundays during the summer months, between the hours of 7 a.m. and 1 p.m., when the condition of the weather rendered it desirable.

REMOVAL OF SNOW.

Snow fell on several occasions during the months of February and March of the present year, but not at any time to any great depth. The work of dealing with these snowfalls necessitated the employment of a number of additional men.

The bulk of the snow was removed to the Thames Embankment and thrown into the River Thames as in previous years, but a considerable quantity of it was disposed of by flushing the streets with water from the New River Company's mains.

STREET-ORDERLY BINS, &c.

Several new street-orderly bins have been erected during the year. The bins now in the District number 39, and are situated as follows :—

Bedford Place	...	...	...	...	...	2
Bloomsbury Square	...	...	...	...	...	2

Bloomsbury Street...	...	...	...	...	1
Charing Cross Road	...	...	...	..	1
Charlotte Street	...	...	...	..	2
Great Russell Street	...	...	...	...	5
Hart Street	...	...	...	...	2
High Holborn	...	...	...	...	4
High Street	...	...	...	...	2
Hunter Street	...	...	...	...	3
Little Queen Street	...	..	...	...	1
Montague Street	...	...	...	...	3
Museum Street	...	...	...	...	1
New Oxford Street	...	...	...	...	3
Russell Square (east side)...	...	...	...	...	3
Southampton Row	...	...	...	...	2
Store Street	...	...	...	...	2
					—
			Total	...	39

In accordance with the resolution of the Board several bins for storing shell ballast for strewing upon the asphalted and wood pavements, when their condition render it desirable, have been erected in the District. The following is a list of them :—

In High Holborn, by the Royal Music Hall.

„ „ „ opposite No. 196.

„ New Oxford Street, opposite Mudie's Library.

„ Tottenham Court Road, south end by New Oxford Street.

Further bins will be erected shortly.

COST OF STREET CLEANSING.

The total cost of street cleansing for the year 1891-92 was as follows:—

	£	s.	d.
Wages of men and boys	2,709	10	11
Brooms, scrapers, shovels, &c., and clothing for men and boys	561	5	5
Cartage of slop and street sweepings, and hire of horses for street-sweeping machines	3,110	0	0
Removal of snow, additional labour, cartage, &c....	602	11	4
	<hr/>		
Total ...	£6,983	7	8
	<hr/> <hr/>		

Street Watering.

The street watering was performed by contract, the contractor supplying all carts, horses and drivers required, at a fixed price for the whole work for the year. A small hand water-cart was employed to water those courts and alleys in the District which were too narrow for the vans drawn by horses to enter. The total quantity of water used (including that used for washing the streets) amounted to 4,158,000 gallons. During the hot summer months a small quantity of permanganate of potash was added to the contents of the watering-carts.

	£	s.	d.
The amount paid for water, meter hire, repairs to stand posts, &c., was	195	2	7
To Contractors for horses, carts, and men	913	4	0
For permanganate of potash	29	1	0
	<hr/>		
Total	£1,137	7	7
	<hr/> <hr/>		

Removal of Dust.

The dust and ashes were removed from the houses in the District by contract, the contractor providing all necessary carts, horses, and men, and performing the whole work at a cost of £3,000

The disinfection of the dust-bins in the District with carbolic acid powder, after their contents had been removed by the contractor's men, was continued during the year, the cost of the disinfectant being £10 15s. 0d.

Limewhiting Courts.

The walls at the entrances to the following yards, courts, mews, &c., in the District were twice cleansed and lime-whited during the year, at a cost of £45 15s. 0d.

Bernard Mews.
Brunswick Mews.
Clarkes Buildings
Clarkes Mews.
Colonnade.
Compton Mews.
Cottage Place.
Denmark Place.
Dunns Passage.
Halls Yard.
Henrietta Mews.
Hunter Mews.
Kennedy Court.
Lascelles Court.
Little Guilford Street.

Middle Yard.
Monmouth Court.
Neals Yard.
New Yard.
Nottingham Court.
Plummers Court.
Portsmouth Place.
Princes Court.
Queens Head Yard.
Sardinia Place.
Sardinia Street.
Shelton Street (east end).
Silver Street.
Southampton Mews.
Tavistock Mews.

Woburn Mews.

Public Lavatory, Shaftesbury Avenue.

This lavatory, which is for the convenience of men and women, was opened to the public on the 1st January, 1892, and has during the few months it has been open, been extensively used. The lavatory contains, in the men's compartment four w. c.'s, ten urinals and two basins for washing, and in the women's portion three w. c.'s and one washing basin.

In each compartment one of the w. c.'s is free of charge. That in the women's is much used, and it seems desirable to retain it, but in the men's the privilege is much abused, the w. c. and its fittings being much defiled.

The structure was built by Messrs. C. W. Killingback & Co., from designs prepared by your Surveyer. The sanitary fittings are by Mr. G. Jennings. The total cost of the work was £2,140 9s. 7d.

Trees have been planted by your Board around the site, and the Metropolitan Public Gardens Association has planted shrubs around the staircases leading down to the Lavatories.

Public Urinals.

The public urinals in the District number 14, and contain 46 compartments; 11 have water laid on to them, the others are without water supply. The whole are cleansed daily by the Board's workmen.

The urinal in Nottingham Court being in a bad state of repair, your Board decided to demolish the same, which was accordingly done.

The urinal in Ridgmount Gardens was removed in November, 1891.

The urinal in Parker Street, which accommodated 2 persons, being complained of by the adjoining householders, was removed in September last, and a new urinal with 3 compartments was erected by Mr. G. Jennings, at a cost of £57 9s. 5d.

LIST OF PUBLIC URINALS IN THE ST. GILES DISTRICT.

Bainbridge Street	...	5	compartments,	fitted with water supply.
Colonnade	...	1	do.	do.
Dunns Passage	...	5	do.	do.

Galen Place	...	...	3	compartments, fitted with water supply.
Lascelles Court	...	..	4	do. do. do.
Morwell Street	...	...	3	do. do. do.
Parker Street	...	...	3	do. do. do.
Seven Dials	...	...	6	do. do. do.
Shorts Gardens	...	...	6	do. do. do.
Torrington Mews	...	...	1	do. do. do.
Whetstone Park	...	...	3	do. do. do.
Bernard Mews	...	...	3	do. not fitted with water supply
Hunter Mews	...	...	1	do. do. do.
Southampton Mews	...	...	2	do. do. do.

The whole of the above urinals were painted during the year at a cost of £24 10s. 0d.

Public Lighting.

As occasion has arisen during the year new circular lamps have been fixed in lieu of the old square lanterns ; the total number of the new lamps in the District at the present time, each consuming 5 feet of gas per hour, is 896 ; and of the old square pattern lamps, 158. There are also 75 lamps of larger size at the corners of certain streets and on the crossing refuges, making a total of 1,129 public lamps in the District belonging to the Board.

Names of Streets on Lamps.

The question of notifying the names of streets by means of the public lamps was again before the Board, and as an experiment 50 tablets with the street's name thereon were affixed to the reflectors of some of the lamps in the main thoroughfares of the District.

Fire Tablets.

Your Board, as the result of a communication received from the London County Council on the subject, has had affixed to twelve of the public lamps, tablets drawing attention to the situation of the nearest fire stations, escapes, and alarms.

Street Refuges.

No additional street-crossing refuges have been formed during the year. The refuges now existing within the St. Giles District are as follows:—

In Bloomsbury Street ...	south side of Shaftesbury Avenue.
Do.	south end, by Broad Street.
„ Broad Street... ..	opposite Clarke's Buildings.
Do.	east of Endell Street.
Do.	west of Endell Street.
„ Charing Cross Road ...	north end, by High Street.
Do.	by New Compton Street.
Do.	south end, by Cambridge Circus.
„ Endell Street	north end, by Broad Street.
„ Guilford Street	west end, by Russell Square.
„ High Holborn	east of Little Queen Street.
Do.	west of Little Queen Street.
Do.	at junction with New Oxford Street.
„ High Street	at north end, by New Oxford Street.
„ New Oxford Street ...	west of its junction with Bloomsbury Street.
Do.	east of its junction with Bloomsbury Street.
Do.	by Hart Street.
Do.	west end, by Tottenham Court Road.
Do.	at junction with Charing Cross Road
„ Shaftesbury Avenue ...	by New Oxford Street.
Do.	east of Bloomsbury Street.
Do.	south side of Broad Street.
Do.	by Dyott Street.
Do.	„ Great St. Andrew Street.
Do.	„ Little Earl Street.
„ Theobalds Road	west end, by Southampton Row.
„ Tottenham Court Road	south end, by New Oxford Street.

Land, Shaftesbury Avenue.

A triangular piece of land situate in Shaftesbury Avenue, near its junction with New Oxford Street, which had remained vacant since the formation of the new street in the year 1887, was granted by the London County Council to your Board on condition of its being laid out by you for the use of the public. This has been done, trees being planted, and a handsome lamp with iron seats around it placed in the centre, the remaining area being paved with asphalt.

St. Giles Churchyard.

The ground adjoining St. Giles Church in High Street, to which reference was made in my last report, has been thrown open for the use of the public. The Metropolitan Drinking Fountain and Cattle Trough Association has erected here the drinking fountain that formerly stood at the north end of Broad Street.

Trees and Seats in Streets.

A number of additional trees have been planted in Shaftesbury Avenue, and also in North and South Crescents, at a cost of £108 6s. 8d., towards which the Metropolitan Public Gardens Association contributed £100.

This Association has presented to your Board two dozen garden seats; a dozen of these are placed in the St. Giles

Churchyard, and the remainder in Shaftesbury Avenue and North and South Crescents.

Shelton Street Scheme.

Widening of Macklin and Parker Streets.

This scheme has been proceeded with during the year. The London County Council obtained powers for closing a portion of Shelton Street, forming a new street 20 feet wide to connect Shelton and Parker Streets, and for widening portions of the public ways of Macklin Street and Parker Street. The work of forming the new street has, by arrangement with the London County Council, been performed by this Board at the Council's expense; the paving of the widened portions of Macklin Street and Parker Street has been performed by your Board at its own expense.

Macklin Street, which averaged 16 feet in width, has been made in portions 30 feet wide, and Parker Street, which averaged 18 feet, has been made for a great portion of its length 40 feet wide.

Bins for Trade Refuse.

Your Board had under consideration the condition of the market streets in the District, and resolved to place in the carriage-way of Little Earl Street 12 portable iron bins for the reception of the animal and vegetable refuse which the traders using the street had been in the habit of throwing on to the public way. This was done, and so well fulfilled their purpose that your Board has since provided 6 additional bins for the same street.

Miscellaneous.

The London Hydraulic Power Company extended, with the permission of your Board, their mains in Charing Cross Road into Phoenix Street.

Two automatic postage stamp delivery machines were attached, with the consent of the Board, to existing pillar boxes in Cambridge Circus and in Gower Street, but have since been removed

The Postal authorities have, by permission of your Board, erected a pillar box at the corner of Russell Square and Guilford Street.

Contracts.

The following Contracts for materials and works have been entered into by the Board, and are now in force:—

Name and Address of the Contractor.	Nature of Contract.	Term of Contract.
MR. W. GRIFFITHS, 283, Kingsland Road, E.	For the supply of granite and york stone, at a schedule of prices.	For one year from 25th March, 1892.
MESSRS. MOWLEM & Co., Grosvenor Wharf, Millbank, S.W.	For the supply of sand, ballast, hogan, and shell ballast, at a schedule of prices.	Ditto.
MR. G. COOKSON, Gloucester Street, Albert Embankment.	For the carting away of road sweepings from the public ways, and the cartage of soil raised from gullies, &c., for the sum of £3,340.	For one year from 25th March, 1892.
MR. G. COOKSON.	For the removal of dust and ashes from the houses in the District, for the sum of £3,800.	Ditto

Name and Address of the Contractor.	Nature of Contract.	Term of Contract.
Mr. G. COOKSON.	For watering and washing the public ways, for the sum of £1,025.	From 12th March to 30th September, 1892.
Mr. G. COOKSON.	For the supply of two horses, harness and drivers for street-sweeping machines, &c., the sum of £5 5s. per week.	For one year from 25th March, 1892.
Messrs. C. W. KILLINGBACK & Co., Bewley Cliff Wharf, James Street, Camden Town.	For the cartage of materials, rubbish, &c., at a schedule of prices.	For one year from 25th March, 1892.
Mr. G. G. RUTTY, St. Leonard St., Bromley-by-Bow.	Hire of steam road-rollers, at a schedule of prices.	Ditto.
Messrs. ADCOCK, EASTON & Co., Charteris Works, Charteris Road, Finsbury Park.	For the supply of disinfectants at a schedule of prices.	For one year from the 25th March, 1892.
THE TUSON DISINFECTING Co., New Charlton, Kent.	For the supply of Tuson's disinfecting fluid.	Ditto.
Messrs. C. W. KILLINGBACK & Co.	Maintenance of sewers in Lumber Ct., Serle St., Lincolns Inn Fields, Hyde St., Russell Sq., Great Coram St., New Yard.	For one year from the completion of the works free of charge to the Board.
Mr. J. E. CHILD, Malapas Road Nurseries, New Cross, S.E.	For the maintenance of shrubs planted around the Public Lavatory in Shaftesbury Avenue, the sum of £12.	For one year.

The Board has also entered into Contracts with several Paving Companies for the maintenance of wood and asphalt pavements in various streets in the District, the Contracts in most cases extending over a period of seventeen years from the

date of the formation of the pavements ; and also with several contractors, tradesmen and others for the supply of ironwork, drain pipes, lime and cement, &c., and the execution of works of repairs and the supply of goods and materials.

I have the honour to remain,

Gentlemen,

Your obedient Servant,

G. WALLACE,

Engineer and Surveyor.

1891.

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH.

CONTENTS.

	PAGE	
Area of St. Giles District	59	
Vital Statistics	59	
Marriages and Marriage-rate	60	
Births and Birth-rate	62	
Deaths and Death-rate	63	
Deaths of Young Children	64	
Senile Mortality	65	
Zymotic Diseases :—		
1. Small-pox	67	
2. Scarlet Fever	68	
3. Measles	69	
4. Diphtheria	69	
5. Whooping-cough	70	
6. Diarrhœa	70	
7. Fever	71	
Other Zymotic Diseases—Influenza	71	
Table (a) of Deaths, classified according to Diseases, Ages, and Localities ..	74	
Table (b) of Population, Births, and of new Cases of Infectious Diseases ...	75	
Inquests	76	
The Mortuary	77	
Uncertified Deaths	77	
Deaths in Public Institutions (within the District):—		
The Workhouse, Broad Street	77	
The French Hospital, Shaftesbury Avenue	78	
The British Lying-in Hospital, Endell Street	78	
Deaths in Public Institutions (outside the District)	79	
Removals to Isolation Hospitals	80	
Model Buildings tenanted by the Working Classes :—		
1.—Buildings belonging to the Peabody Trustees—		
(a) The Great Wild Street Block	81	
(b) The Little Coram Street Block	82	
2.—Buildings belonging to the Incorporated Society for Improving the Condition of the Working Classes		84
3.—Buildings belonging to the Central London Dwellings Improvement Company—		
(a) The Thurston and Holland Buildings, Newton Street	85	
Housing of the Working Classes Act, 1890	86	
Meteorology	88	

Sanitary Work :—

Inspections and Orders	90
Summonses	90
Underground Dwellings	91
Overcrowding	91
Regulations as to Lodging-houses	92
Common Lodging-houses	92
Unsound Food	94
Animals improperly kept	94
Disinfection	94
Disinfectants	95
Slaughter-houses	96
Cow-sheds	97
Bakehouses	97
Marine Store Dealers	99
Legislation	99

APPENDIX.

Table I.—Population, 1891, number of Houses, Births, Deaths, Marriages, &c.	102
Table II.—Birth and Death-rates of Population, and of Children, and Deaths in Public Institutions...	103
Table III.—Deaths registered from all causes in 1891 : Summary of Ditto	104
Table IV.—Showing Mortality of Certain Groups of Diseases	109
Table V.—Showing Deaths in the Ten Years from the Seven Principal Zymotic Diseases	110
Table VI.—Report of the Sanitary Work	111
Table VII.—The Marriage, Birth and Death-rates, 1873 to 1891	112
Table VIII.—Registered Births and Deaths in 1891	113
Table IX.—Localities where Deaths from Zymotic Diseases occurred in 1891	114
Table X.—Comparative Analysis of Vital Statistics in all London, in England and Wales, and in St. Giles District in 1891	116

THE ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH.

TO THE BOARD OF WORKS FOR THE ST. GILES DISTRICT.

GENTLEMEN,

I have the honour to present you the thirty-sixth Annual Report of the health of the District for the registration year ending January 2, 1892, a period of 52 weeks.

Vital Statistics.

The whole area of St. Giles District is computed to be a total of 245 acres, viz. :—

St. George, Bloomsbury . . .	122 acres.
St. Giles-in-the-Fields . . .	123 acres.

and the number of inhabited houses (Census 1891), 4,068 ; an increase of 110 since the Census of 1881.

The population of the two parishes, according to the corrected Census returns from 1861 to 1881, was as follows :—

REGISTRATION SUB-DISTRICTS.	Census, 1861.	Census, 1871.	Census, 1881.
St. George, Bloomsbury . . .	17,392	16,662	16,681
St. Giles, South } St. Giles-in-	19,483	14,862	14,864
St. Giles, North } the-Fields.	17,201	13,733	*13,732
St. Giles District	54,076	45,257	45,277

* The enumerated population of St. Giles, North, according to the corrected Census of 1881, was 13,837 ; but this number was corrected prior to the Census 1891, to 13,732, because the detached part of the parish of St. Giles-in-the-Fields, named Eve Terrace, Old Saint Pancras Road, was separated from there and amalgamated with the parish of Pancras—*vide* Local Government Board Order No. 26,577, dated 24th March, 1891.

The Census of 1891 was taken on April 6 last, when the population of the District was found to be :—

	Increase or decrease of Population between 1881 and 1891.	
	Increase.	Decrease.
St. George, Bloomsbury . . . 16,695	14	—
St. Giles-in-the-Fields } South, 13,450	—	1,414
} North, 9,633	—	4,099
Total 39,778	14	5,513

a loss of 5,499 inhabitants since 1881.

The decrease of population in the three decades being 1·0 per cent. in 1861-71, 15·6 per cent. in 1871-81, and 12·1 per cent. in 1881-91. Since the Census 1861 the population has been reduced by 14,298 inhabitants. In 1861 the mean rate of population to each house was 11·5, in 1891 it was 9·7.

This reduction of density of population, largely caused by the carrying out of local improvements, has been most conducive to the health of the District.

Marriages and Marriage-rate.

1891.	Population (Census 1891).	Number of Marriages.	Marriage-rate per 1,000.	Average Marriage-rate per 1,000 for ten years, 1881-90.
St. Giles District ...	39,778	370	18·6	14·7

It will be seen from the above table that 370 marriages took place during the year 1891 in the District. 226 of the marriages were celebrated at the parish churches, 64 at

the several Nonconformist places of worship, and 80 at the Superintendent-Registrar's Office, Broad Street, as follows :

Name of Building.	Denomination.	Number of Marriages.
Parish Church, St. Giles-in-the-Fields	Established Church.	97
Parish Church, St. George, Bloomsbury	ditto	95
Holy Trinity Church, Little Queen Street	ditto	22
Christ Church, Woburn Square.	ditto	12
Sardinia Chapel, Sardinia Street	Roman Catholic	37
Bloomsbury Chapel, Bloomsbury Street	Baptist	12
Little Wild Street Chapel.	ditto	1
Kingsgate Chapel, Kingsgate Street	ditto	1
Keppel Street Chapel	ditto	—
Soho Chapel, Shaftesbury Avenue	ditto	5
Great Queen Street Chapel	Wesleyan Methodist	4
Église Suisse, Endell Street	{ Swiss Reformed } Church	2
Bedford Chapel, Bloomsbury Street	Unitarian	2
Superintendent-Registrar's Office, Broad Street.		80
Total number of marriages		370

The marriage-rate, 18·6 per 1,000, is satisfactory, showing an increase of 3·4 per 1,000 over that of the preceding year and 3·9 per 1,000 higher than that of the decennial average.

The marriages in London in the year 1891 numbered 37,298, and the proportion of persons married to the total population was 17·7 per 1,000, this rate being higher than in any year since 1883.

In England and Wales the marriages of 452,050 persons were registered, giving an annual rate of 15·5 per 1,000 of the estimated population.

Births and Birth-rate.

REGISTRATION SUB-DISTRICTS.	Population (Census 1891).	Number of Births.	Ratio of Births to Population.	Birth- rate per 1,000.	Average Birth-rate per 1,000 for 10 years 1881—90.
St. George, Bloomsbury	16,695	342	1 in 48·8	20·4	21·7
St. Giles, South ...	13,450	533	1 in 25·2	39·6	40·5
St. Giles, North ...	9,633	271	1 in 35·5	28·1	23·3
St. Giles District ...	39,778	1,146	1 in 34·7	28·8	28·5

In 1891 (52 weeks) the births in the whole registration district of St. Giles numbered 589 boys and 557 girls, or 1 in every 34·7 per 1,000 of the estimated population.

The average rate for the preceding 10 years, 1881—90, was 28·5 per 1,000.

The birth-rate for the parish of St. George, Bloomsbury, 20·4, was identical with that of the previous year.

The birth-rate for the parish of St. Giles-in-the-Fields was 34·8 per 1,000, a rate of 5·4 per 1,000 in excess of that of the preceding year, and no less than 14·4 per 1,000 higher than the rate for the parish of St. George, Bloomsbury.

The birth-rate for the whole of St. Giles District, 28·8 per 1,000, was 2·8 higher than the rate for 1890.

The registered births were 54 in excess of the deaths.

In London there were 134,003 births registered in the population of 4,221,452 (estimated population middle of 1891) corresponding to an annual birth-rate of 31·8 per 1,000 living; this was a considerable rise from the rate in the preceding year, 30·8, but with this exception the rate in 1891 was the lowest as yet recorded; the excess of births over deaths was 43,787.

In England and Wales 913,836 births were registered during the year 1891, corresponding to a birth-rate of 31·4 per 1,000. The natural increase of population by excess of births over deaths was 326,170 against an average increase in the previous five years of 353,247.

Deaths and Death-rate.

REGISTRATION SUB-DISTRICTS.	Population (Census 1891).	Registered Deaths (corrected).	Ratio of Deaths to Population.	Death- rate per 1,000	Average Death-rate per 1,000 for 10 years 1881—90.
St. George, Bloomsbury	16,695	308	1 in 54·2	18·4	15·3
St. Giles, South ...	13,450	528	1 in 25·4	39·2	34·5
St. Giles, North ...	9,633	256	1 in 37·6	26·5	18·4
St. Giles District ...	39,778	1,092	1 in 36·4	27·4	22·9

The deaths registered in the three sub-districts during the year were :—

St. George, Bloomsbury	. . . . .	234
St. Giles, South	. . . . .	441
St. Giles, North	. . . . .	228
	Total	903

of these 472 were males and 431 were females.

This number will not give a true death-rate, therefore corrections have to be made to the registered deaths in the District by adding 261 deaths of parishioners in the Metropolitan Hospitals, Lunatic Asylums, and other Public Institutions situated *outside* the District, and by deducting 72 deaths of non-parishioners, viz.: 5 at the British Lying-in Hospital, Endell Street; 18 at the Workhouse, Broad Street;

45 at the French Hospital, Shaftesbury Avenue; and 4 at other public places situated *within* the District.

The deaths of parishioners at the Workhouse, which were registered in South St. Giles, are distributed among the sub-districts according to the previous residence of the deceased persons. These alterations increase the number of deaths to 1,092. The results of the corrections will be seen in the table above.

The death-rate for the whole of St. Giles District, 27·4 per 1,000, was 6·0 higher than the rate for all London, and 7·2 higher than that for all England and Wales.

The death-rate for the parish of St. Giles-in-the-Fields was 33·9 per 1,000, a rate 15·5 per 1,000 higher than that for Bloomsbury.

There was again the same disproportions in the two divisions of the parish of St. Giles-in-the-Fields, the rate for the southern part being 12·7 per 1,000 higher than that of the northern.

As a set off to the high death-rate in St. Giles South, it must not be forgotten that the birth-rate for the same part of the parish was as high as 39·6 per 1,000.

In London the deaths were 90,216, corresponding to an annual death-rate of 21·4 per 1,000, the same as the rate in the immediately preceding year, but with this exception, the rate in 1891 was higher than in any year since 1882.

In England and Wales, 587,666 deaths were registered, giving a death-rate of 20·2 per 1,000, which is lower than the rate recorded in any year prior to 1881.

Deaths of Young Children.

352 children died before they reached 5 years of age, being two above the decennial average 1881-90.

213 were deaths of infants under 1 year, and were equivalent to 18·5 per 1,000 of registered births (against 15·4 in all London), and 19·5 per 1,000 of total deaths. 139 children died between 1 and 5 years of age, and were equivalent to 32·2 per 1,000 of total deaths.

103 children died from zymotic causes, principally measles, whooping-cough and diarrhoea, 77 from wasting diseases, which include debility and premature birth, 40 were from various forms of convulsive diseases, and 77 from bronchitis, pneumonia, and other diseases of the respiratory organs.

9 children were overlaid in bed by their parents. The proportion of such deaths throughout London during the year is between 600 and 700, and of this total somewhat over 200 are furnished by the central districts alone. Dr. Danford Thomas, the Coroner for Central Middlesex, gives as his opinion "that the fatal result is commonly brought about either to the child slipping under the bedclothes when the mother's arm on which it lies becomes relaxed in sleep, or to its being drawn too near and pressed against the breasts."

Some remarkable statistics relating to the suffocation of infants in bed are published in the Registrar-General's last annual report. "It appears that the number of such deaths has been steadily increasing in recent years," and "It was found that the proportion of deaths of infants from overlying is more than twice as high on Saturday night as on any other night of the week; the explanation of this fact is that the amount of intoxication is greater on Saturday than on any other day."

Senile Mortality.

There were 295 deaths recorded at 60 years of age and upwards, against 277, 153 and 159 in the three

preceding years, being equivalent to 27 per cent. of total deaths.

The number of deaths of old people occurred at the following advanced ages:—

142	between 60 and 70	years of age.
111	„ 70 and 80	„ „
36	„ 80 and 90	„ „
2	at 90	years of age.
2	„ 91	„ „
1	„ 92	„ „
1	„ 94	„ „
Total	<u>295</u>	

41 of the deaths were certified to have been from “old age,” *i.e.*, not to have been caused by disease but from decay of nature.

The diseases which caused the greatest fatality amongst the aged were diseases of the lungs and bronchitis 109, diseases of the brain, paralysis and senile dementia 50, diseases of the heart 25, cancer 17, and influenza 12.

Mortality from the Principal Zymotic Diseases.

The seven principal zymotic diseases are small-pox, measles, scarlet-fever, diphtheria, whooping-cough, fever (which includes enteric, typhus and simple continued forms of fever) and diarrhoea.

In London there were 9,588 deaths registered from these diseases, equal to a death-rate of 2·2 per 1,000 ; this mortality was the lowest on record.

In England and Wales, 53,221 deaths were attributed to these diseases, corresponding to a rate of 1·83 per 1,000 living

against 1·86, 2·22 and 2·14 in the immediately preceding three years.

In St. Giles District these deaths numbered 113, and equalled a rate of 2·9 per 1,000 against 1·9, 2·5 and 1·4 in the three preceding years.

SMALL-POX (decennial average 5·1).—The past year is the sixth in which London has enjoyed practical immunity from the disease. In the spring of the year it showed a tendency to spread in the metropolis, and cases were removed from twenty different localities into the hospitals of the Asylums Board. The majority of cases came from the Port of London and the neighbourhood of the docks. During the remainder of the year five other cases were removed, making a total of 64* patients received into the Manager's Hospitals (no fewer than 43 occurred between April 13 and May 14); 8 of the cases terminated fatally. The deaths from it in the whole of England and Wales during the same period were only 48.

The Local Government Board issued a circular calling attention to the fact that for some time isolated cases of small-pox had occurred in different parts of London, and urging the importance of special vigilance in the matter. Medical Officers of Health were requested in all cases which were notified to them, or which came to their knowledge, to visit the houses where the disease had broken out, and at the earliest possible moment to take such measures as may be necessary to secure as far as practicable the isolation of the patients, the vaccination of any persons who may have been

* The total number of patients certified to be suffering from small-pox and removed from their homes to the hospitals of the Asylums Board during the year was 90; of these 26 patients were found not to have small-pox, and were returned to their homes at once.

exposed to infection, and the disinfection of the premises, and any further action which the circumstances will admit of for the purposes of checking the extension of the disease.

In St. Giles District there has only been one death (in 1887) since 1885 from small-pox. In March, 1891, a notification was received that a male adult, lodging in a good house in the District, was suffering from it. On receipt of the information the patient was promptly removed to the Asylums Board's hospital, and the usual precautions relative to disinfection and re-vaccination were taken, with the result that no further case was reported.

From enquiries, I found that this young man had evidently contracted the disease from some one in another part of the Metropolis, but from whom I was unable to trace.

SCARLET FEVER (decennial average 10·9).—In 1891 this disease caused 589 deaths in the metropolis, and 4,845 in the whole of England and Wales.

In this District 103 cases were notified, all of which recovered; of these 56 were removed to hospitals. During the year the total number of scarlet fever patients admitted to the hospitals of the Metropolitan Asylums Board amounted to 5,262, of whom 357 died, a mortality of only 6·11 per cent., a death-rate lower than that of any previous year since the opening of the Board's hospitals in 1870.

Dr. Caiger, the Medical Superintendent of the South-Western Fever Hospital, in an analysis of over 1,000 cases admitted, states "that the period and extent of desquamation (peeling) varied in different cases within wide limits. In some instances, namely, in adults and very young children, it was completed in less than six weeks; in others it was prolonged to 12 or even 16 weeks.

The detention in hospital averaged slightly over nine weeks.

MEASLES (decennial average 28·3) in London was fatal in 1,807 cases, and in no less than 12,287 throughout England and Wales.

In St. Giles District 32 children died from it. In consequence of this heavy fatality against not a single death from scarlet fever (which is notifiable), your Board, at my suggestion, has asked the approval of the Local Government Board for its inclusion amongst the notifiable infectious diseases.

DIPHTHERIA (decennial average 13·8).—The 11 deaths in this District were below the average, and call for no special comment.

In the early part of the year outbreaks of the disease occurred both in the metropolis and the suburbs, referable to several causes. The total deaths in London from it were 1,361, throughout England and Wales 4,940.

Dr. Thresh, Medical Officer of Health for the Chelmsford and Malden Districts, in his paper on diphtheria, speaking of London manure and the disease, said “there could be no question as to the desirability of the speedy removal of garbage of all kinds from the metropolis. He had seen much of its employment on the land; some was brought in barges to the towns near the coast, but in his own district it came by road; the stench was horrible. It consisted of refuse from sausage manufactories and fishmongers’ shops, butchers’ blood, dead cats, with black slime apparently from street gulleys, and every description of filth—not unnaturally the country people attributed to it every outbreak of disease.

Dr. Thorne Thorne, Principal Medical Officer to the Local Government Board, in his Milroy lectures on diphtheria,

delivered before the Royal College of Physicians, showed, by reference to statistics, "that during the last decennium there had been a substantial increase of diphtheria mortality in this country, and that a very significant portion of this increase had taken place in the metropolis. This increase was the more remarkable because whilst it had been in progress the zymotic group of diseases, and notably those causes of death which were amenable to sanitary administration and public health measures, had undergone steady diminution—he also showed that the incidence of diphtheria was undergoing a change, and the preference it had formerly shown for rural areas was being transferred to dense communities."

The total number of patients removed to the hospitals of the Asylums Board certified at the time of removal to be suffering from diphtheria or from "diphtheritic membranous croup" was 1,481, as against 1,049 in 1890 and 770 in 1889. 1,312 of the 1,481 patients suffered from diphtheria, of whom 397 died, a mortality of 30·6 per cent.

WHOOPING-COUGH (decennial average 24·3).—The 29 deaths of young children were above the 10 years' average.

In London the mortality was 1,000 in excess of that from measles.

In England and Wales it caused 12,920 deaths,

DIARRHŒA (decennial average 29·5).—The 19 deaths were considerably less than the average, owing to the cold, dull, sunless and wet weather which prevailed during the summer and autumn.

In July it was reported that a parishioner who had been removed from Woburn Place had died at the Home Hospital, Fitzroy Square, from "Cholera nostras." On making enquiries I found that the deceased (an Anglo-Indian) had first

suffered badly from influenza, which was followed by diarrhœa, lasting three weeks. The case appeared to have been one of chronic diarrhœa, probably resulting from liver disease.

FEVER (enteric, typhus, relapsing, and simple continued fevers—decennial average 12·3).—The 11 deaths in 1891 were slightly below the ten years' average. Enteric or typhoid fever was responsible for 10 deaths, and simple continued for 1. Again, typhus fever was entirely absent from the District.

The following table, extracted from the interesting recent report by the Medical Officer of Health of the London County Council, showing the number of deaths from typhus fever registered in registration London during the 10 years, is valuable information that the disease is gradually being stamped out.

				Deaths.					Deaths.
1881	...	...	...	92	1887	...	...	...	19
1882	...	...	...	53	1888	...	...	...	9
1883	...	...	...	55	1889	...	...	...	16
1884	...	...	...	32	1890	...	...	...	11
1885	...	...	...	28	1891 (first 3 quarters)	...	...	...	6
1886	...	...	...	13					

The total number of enteric fever patients removed to the Metropolitan Asylums Board Hospitals during the year was 775, of whom 106 died—a mortality of 14·9 per cent—and 18 typhus fever patients, of whom 1 died.

Other Zymotic Diseases.

(Miasmatic.)

INFLUENZA in 1890 was fatal to 10 people in St. Giles District. In May, 1891, it reappeared, and caused 31 deaths at the following ages:—

1 to 5.	Under 15 Years.	Between 15 and 25 Years.	Between 25 and 60 Years.	Above 60 Years.	Total Dea'hs.
1	1	2	15	12	31

26 were parishioners of St. Giles in the Fields, and 5 belonged to St. George, Bloomsbury ; 12 were inmates of the Workhouse. Two-thirds of the deaths occurred during May and June.

In this country sporadic cases were noted in the Metropolis during the past winter (1890), but about the beginning of April, 1891, there was a return of the influenza in an epidemic form in certain towns in Yorkshire and Lincolnshire, and also in Birmingham.

In the week ending April 25th, the death-rate for Sheffield reached the extraordinary figure of 57 per 1,000, against 38 per 1,000 for the highest weekly death-rate during the epidemic in 1890.

The Registrar-General's Mortality returns for London in the week ending May 9th showed an increase of 433 deaths above the average number in the corresponding week of the last ten years. The deaths primarily attributed to influenza, which had been 10 and 37 in the preceding two weeks, rose to 148, or 21 in excess of the highest number during the 1890 outbreak ; the deaths from diseases of the respiratory organs were 584, or 240 in excess.

The number of patients suffering from influenza attending the London Hospitals was very large.

At the end of May the disease distinctly declined in the Metropolis.

In a paper read before the Epidemiological Society, Dr. Sisley concluded with the following propositions:—1. There

is no doubt that the disease is contagious. 2. Isolated cases precede a general infection of the community. 3. The part played by contagion in the spread of the disease is most important. 4. There is some evidence in favour of spread of influenza by goods. 5. Influenza is not spread in England by a preliminary "contamination of the atmosphere," but the atmosphere is contaminated by individuals who suffer from influenza.

The following tables (A.) of deaths, classified according to diseases, ages, and localities, and (B.) of population, births, and of new cases of infectious sickness, are prepared in accordance with the requirements of the Local Government Board.

Inquests.

92 cases of sudden and violent deaths were investigated by the Coroner.

51 of the deaths were from disease or natural causes.

29 were from different kinds of accident or violence.

11 were from suicide, and 1 was homicidal.

The causes of death as returned by the Coroner's Juries may be classified as follows :—

Causes of Death.		REGISTRATION SUB-DISTRICT			
		St. George, Bloomsbury.	St. Giles, South.	St. Giles, North.	Total.
From natural causes.	{ Diseases of brain and nervous system	1	4	1	6
	{ Diseases of heart and circulatory system	5	10	3	18
	{ Diseases of lungs and respiratory system	4	10	4	18
	{ Other diseases	3	6	—	9
From accidental causes.	{ Fractures, falls, contusions, &c.	4	8	3	15
	{ Suffocation (in bed with parents)	—	4	5	9
	{ Poison (strychnine)	—	—	1	1
	{ Burns	—	2	—	2
	{ Drowning	1	1	—	2
From suicidal causes.	{ Poison (laudanum, 1), (hydrochloric acid, 1), (sulphuric acid, 1)	2	1	—	3
	{ Hanging	2	1	—	3
	{ Bullet wound	2	—	1	3
	{ Drowning	—	2	—	2
From wilful cause.	{ Suffocation	—	—	1	1
Total		24	49	19	92

77 of the inquests were held at the Coroner's Court, Goldsmith Street, and 15 at Public Hospitals and other convenient places appointed by the Coroner.

24 of the deceased were parishioners of St. George, Bloomsbury, and 68 belonged to St. Giles-in-the-Fields.

The Public Mortuary, Goldsmith Street.

92 bodies were received during the year, of these 74 were brought in by order of the Coroner, 3 by the Police, and 15 were received at the request of relatives and friends of the deceased.

4 of the deaths occurred from infectious diseases, and were placed in the separate chamber built for the reception of such bodies.

Of the 77 inquests held in the building, 9 were on those of non-parishioners brought in by request of the Coroner.

42 post-mortem examinations were made in the proper room provided for the purpose.

Uncertified Deaths.

Only one death, viz., that of an infant who survived her premature birth only a few hours, was returned as not having been certified by a registered medical practitioner or by the Coroner.

The rate of uncertified deaths in London was 1·0 per cent., and in England and Wales 2·7 per cent.; in St. Giles District it was 0·0002 per cent.

Deaths in Public Institutions.

(Within the District)

The Workhouse, Broad Street.

The number of inmates during the past 12 months averaged 612, of these 29 belonged to the parishes of Bethnal Green and the Strand respectively.

The mortality was

1st Quarter	.	.	.	79
2nd	„	.	.	67
3rd	„	.	.	24
4th	„	.	.	25

— — —
A total of 195 deaths.

To these must be added 74 deaths, which occurred at the Cleveland Street Sick Asylum, which make up a total of 269 pauper deaths, and corresponding to a death-rate of 43·9 per 1,000.

My thanks are due to the staff of the Guardians for this and other valuable information.

The French Hospital, Shaftesbury Avenue.

46 deaths (39 adults, and 7 children) took place at this public institution during the year. 45 were non-parishioners admitted from various parts of the Metropolis.

The causes of deaths are classified as follows :—

Zymotic diseases	.	.	.	.	3
Local diseases	}	Heart	.	.	5
		Lungs	.	.	17
Other diseases	.	.	.	.	20
—					
Total				.	45

The British Lying-in Hospital, Endell Street.

The medical report states that the work of the Hospital has been carried on during the past year with good results.

There has been no sign of puerperal fever. The hygienic state of the hospital is excellent.

170 women were delivered of 171 children, 2 of the mothers succumbed, one of these was from pneumonia and starvation before labour commenced.

3 of the children died shortly after birth from debility and convulsions. The 5 deaths were those of non-parishioners.

In the out-patient department there were 508 deliveries with only one maternal death, this latter fatality was the result of puerperal convulsions, which set in before the advent of labour.

Deaths in Hospitals and Public Institutions.

(Outside the District.)

Returns are sent to me weekly from the Registrar-General's office, Somerset House, in order that the rates of mortality should be made correct by the addition of deaths of residents in the district, in hospitals, lunatic asylums, and other public institutions, where they had been received for treatment

Without such distribution the death-rates are misleading for comparative purposes.

During the past year 261 parishioners died in the following public institutions.

Public Institution.	Number of Deaths.	Public Institution.	Number of Deaths.
Middlesex Hospital	22	Brought forward	149
University College Hospital	25	Gen. Lying-in (York Rd.) Hos.	1
Charing Cross Hospital	32	Central Sick Asylum, Cleveland Street	74
King's College Hospital.....	34	Hoxton House Asylum	3
Children's (Great Ormond Street) Hospital	10	Caterham Asylum	10
Consumption (Brompton) Hospital	2	Cane Hill Asylum	1
Westminster Hospital.....	1	Hanwell Asylum.....	5
Royal Free Hospital	2	Peckham House Asylum	1
German Hospital.....	2	Darenton Asylum.....	1
Consumption (North London) Hospital	1	Colney Hatch Asylum	2
St. George's Hospital	4	Edmonton Workhouse	1
Women's (Euston Rd.) Hospital	1	Holborn Workhouse	2
Western Fever Hospital.....	4	St. Pancras Workhouse	2
St. Thomas's Hospital.....	2	Westminster Workhouse	1
Homœopathic Hospital	2	Paddington Workhouse	1
St. Bartholomew's Hospital	3	Marylebone Workhouse.....	1
Temperance Hospital.....	1	Strand (Bear Yd.) Workhouse ...	1
Home (Fitzroy Sq.) Hospital.....	1	Aged Blind Home, Holloway ...	1
		St. Plagias Crèche	1
		Public Way	3
Carried forward.....	149	Total.....	261

26 of the deaths occurred from infectious diseases in the following hospitals, &c.:—

At Charing Cross (diphtheria 6, diarrhœa 1).

At King's College (diphtheria 1, whooping cough 1, enteric fever 1, erysipelas 2).

At University College (diphtheria 1, whooping-cough 1, enteric fever 2, erysipelas 1).

At Western Fever (diphtheria 3, enteric fever 1).

At Children's (whooping-cough 1, measles 1).

At German (enteric fever 1).

At Central Sick Asylum (erysipelas 1).

At Home Hospital, Fitzroy Square (diarrhœa 1).

Removals to the Isolation Hospitals of the Metropolitan Asylums Board.

The following table shows the total admissions and deaths

of small-pox, fever and diphtheria patients from the several metropolitan parishes :—

Parishes and Unions.		Small-pox.	Scarlet.	Diphtheria.	Typhus.	Enteric.	Other Diseases.	Total Admissions.	Total Deaths.
W. District.	Kensington	1	200	46	—	24	—	271	30
	Fulham	—	188	95	1	24	5	313	51
	Paddington	—	146	53	—	10	2	211	16
	Chelsea	—	91	32	—	11	—	134	12
	St. George's	—	172	45	—	9	—	226	20
	Westminster	—	60	3	—	9	—	72	9
N. District.	St. Marylebone	—	248	59	—	23	6	336	32
	St. Pancras	1	406	70	—	38	2	517	44
	Hampstead	—	77	27	—	4	—	108	11
	Islington	—	210	157	—	37	3	407	72
	Hackney	—	214	71	2	71	1	359	61
	St. Giles	1	55	5	—	—	3	64	5
C. District.	Strand	—	28	—	—	—	—	28	1
	Holborn	—	389	82	—	52	—	523	59
	City of London	—	34	13	—	5	—	52	7
	Shoreditch	1	174	57	—	35	2	269	39
	Bethnal Green	3	192	72	3	34	—	304	45
	Whitechapel	2	82	102	3	11	—	200	53
E. District.	St. George's-in-the-East	—	58	58	—	9	—	125	19
	Stepney	4	80	25	—	20	—	129	15
	Mile End Old Town	—	57	29	—	26	—	112	23
	Poplar	2	111	40	—	51	—	204	28
	St. Saviour's	—	316	79	1	39	2	437	63
	St. Olave's	24	338	37	—	16	8	423	40
S. District.	Lambeth	—	469	63	—	26	8	566	50
	Wandsworth and Clapham	—	526	116	—	53	1	696	70
	Camberwell	2	209	22	—	18	3	254	30
	Greenwich	22	191	26	—	193	5	437	54
	Woolwich	—	63	2	5	14	2	84	5
	Lewisham	—	33	6	—	4	—	43	2
	Port of London	1	—	1	—	—	—	2	—
Totals		64	5,417	1,493	15	866	53	7,908	966

The aggregate removal of patients during the year, including the transfer of patients from one hospital to another, numbered 12,853.

Model Buildings tenanted by the Working Classes.

I.—Buildings belonging to the Peabody Donation Fund.

Secretary, Mr. J. CROUCH, 64, Queen Street, Cheapside, E.C.

A.—THE GREAT WILD STREET BLOCK.

Resident Superintendent, Mr. MANSHIP.

This building consists of 13 blocks lettered from A. to N. respectively.

The number of residents during the past year averaged 1,413. Of these 264 were children under five years of age.

In 1891, 54 children were born in the buildings, equivalent to a birth-rate of 38·2 per 1,000.

There were 26 deaths (18 adults, and 8 children), equal to a death-rate of 18·4 per 1,000.

4 of the deaths occurred from infectious diseases viz., measles 3, and diphtheria 1, corresponding to a zymotic death-rate of 2·8 per 1,000

5 of the total deaths took place in public hospitals. The several rates for the past nine years are shown in the following table :—

Great Wild Street Block.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	Average for five years 1886-90.	1891.
Birth-rate ...	46·4	46·0	53·8	43·8	44·3	41·4	46·6	39·8	43·1	38·2
Death-rate...	32·2	22·6	24·0	21·5	15·7	14·7	16·0	15·3	16·6	18·4
Zymotic Death-rate	7·0	4·7	4·1	8·3	6·1	1·4	4·8	3·4	4·8	2·8

B.—THE LITTLE CORAM STREET BLOCK.

Resident Superintendent, Mr. WHENMAN.

This block of buildings consists of 8 blocks lettered from A. to H. respectively.

In 1891 the population averaged 837 persons, of these 144 were children under 5 years of age. There were 41 children born, equivalent to a birth-rate of 48·9 per 1,000.

The 19 deaths were equal to a death-rate of 22·7 per 1,000.

There were 9 deaths of children under 5 years of age, of these one died in University College Hospital.

Infectious diseases caused 4 deaths, viz., measles 3, and whooping cough 1, equal to a zymotic death-rate of 4·7 per 1,000.

I have here tabulated these rates for the seven years. 1885-91.

Little Coram Street Block.	1885.	1886.	1887.	1888.	1889.	1890.	Average for five years 1886-90.	1891.
Birth-rate ...	39·0	53·6	45·8	43·1	48·5	42·1	46·6	48·9
Death-rate ...	13·6	18·2	24·1	20·3	17·7	19·2	19·9	22·7
Zymotic Death-rate	2·4	8·5	6·0	4·7	7·1	3·6	5·9	4·7

The Trustees of the Peabody Donation Fund, in their 27th Annual Report for the year 1891, state that the net gain of the year from rents, and interest has been £29,659 4s. 7d.

Up to the end of the year the Trustees have provided for the artizan and labouring poor of London, 11,273 rooms, besides bath-rooms, laundries, and wash-houses, occupied by 20,269 persons. These rooms comprise 5,070 separate dwellings, viz., 75 of 4 rooms, 1,788 of 3 rooms, 2,402 of 2 rooms, and 805 of 1 room.

The average weekly earnings of each head of family was £1 3s. 8d. and fraction. The average rent of each dwelling was 4s. 9d. per week, and of each room 2s. 1¼d. The rent in all cases includes the free use of water, laundries, sculleries and bath-rooms.

The birth-rate of all the several buildings was 39·1 per 1,000, which is 7·3 per 1,000 above the rate for all London.

The death-rate was 18·1 per 1,000, and 3·2 below the average of London.

The Infantile Mortality was 133·6 in each 1,000 births, or 20·3 below that of London.

II.—Buildings belonging to the Incorporated Society for Improving the Condition of the Working Classes.

Secretary, Mr. HUMPHREYS, 8, Southampton Row, W.C.
THE MODEL HOUSES, STREATHAM STREET.

Opened in 1842.

The estimated population in 1891, was 218 persons, of these 28 were children under 5 years of age.

The births numbered 5, equal to a birth-rate of 22·9 per 1,000.

There were 5 deaths (all non-infectious), 2 adults and 3 children, corresponding to an annual death-rate of 22·9 per 1,000.

A sharp outbreak of scarlet fever occurred amongst young children in these buildings from the middle of July to the beginning of September, during that period 13 cases were notified, 12 of the patients were removed to the Western Fever Hospital; and all recovered.

The sanitary arrangements throughout the block were carefully inspected by your Surveyor and myself, and extensive works have since been carried out by the owners at our suggestion.

The several rates for the 5 years 1886-90 are as follows :—

Streatham Street Block.	1886.	1887.	1888.	1889.	1890.	Average for five years 1886-90.	1891.
Birth-rate ...	18·5	21·7	30·0	26·0	9·2	21·0	22·9
Death-rate ...	23·1	26·0	8·5	13·0	18·4	17·8	22·0
Zymotic Death-rate ...	4·6	—	—	—	4·6	1·8	—

III.—Buildings belonging to the Central London Dwellings Improvement Company.

Secretary, Miss CONS, Surrey Lodge, Kennington Road, S.E.
And the Office, 9, Granby Place, Drury Lane, W.C.

THE THURSTON AND HOLLAND MODEL DWELLINGS,
NEWTON STREET.

Resident Superintendent, Mr. CHRISTIE.

These buildings which were opened in 1885, consist of 2 Blocks, viz., Thurston Buildings, Nos. 1 to 38, and Holland Buildings, Nos. 1 to 10 and 11 to 19, and 4 Shops, in Newton Street.

The number of residents in 1891, was as follows :—

Holland Buildings—69, including 15 children under 5 years of age.

Thurston Buildings—125, including 25 children under 5 years of age.

Newton Street—8, including 2 children under 5 years of age.

There were 5 births in the 2 blocks during the year, corresponding to a birth-rate of 24·7 per 1,000.

The 6 deaths, all from non-infectious diseases, were equal to a death-rate of 29·7 per 1,000.

The several rates for the 5 years are tabulated as follows :—

Thurston and Holland Buildings.	1887.	1888.	1889.	1890.	Average for 5 years 1887-91.	1891.
Birth rate ...	20·9	26·9	35·7	45·7	30·7	24·7
Death-rate ...	33·4	13·4	40·1	36·5	30·6	29·7
Zymotic Death-rate	12·5	0·	8·9	9·1	6·1	0·

Housing of the Working Classes Act, 1890, 53 and 54 Vict., ch. 70.

The following statement shows the number of houses dealt with in St. Giles' District since the passing of the Act on the 18th August, 1890.

Street or Place.	Present Condition of premises.	
No. 33, Colonnade	} Will be demolished.	
„ 35, do.		
„ 40, do.		
„ 42, do.		
„ 48, do.		
„ 54, do.		
„ 56, do.		
„ 60, do.		
„ 62, do.		
„ 3, Little Guildford Street ...		} Demolished.
„ 1, Bernard Mews	} Cleansed and repaired	
„ 2, do.		
„ 3, do.		
„ 4, do.		
„ 5, do.		
„ 6, do.		
„ 7, do.		
„ 8, do.		
„ 9, do.		} Stables only used.
„ 10, do.		
„ 11, do.		
Washhouse and stables do. ...	}	
Stable north end do. ...		
do. west side do. ...		
Forge at north-west corner do. ...	} Undergoing repairs	
No. 1, Compton Mews		
„ 2, do.		
„ 3, do.		
„ 4, do.		
„ 5, do.		
„ 6, do.		
„ 7, do.		
„ 8, do.		
„ 9, do.		
„ 10, do.		
„ 11, do.		
„ 12, do.		

Street or Place.	Present Condition of Premises.	
No. 13, Compton Mews	}	
„ 14, do.		
„ 15, do.		
„ 16, do.		Undergoing repairs.
„ 17, do.		
„ 18, do.		
„ 19, do.	}	
„ 47, Gt. Wild Street		Demolished
„ 39, do.	}	
„ 41, do.		Undergoing repairs
„ 3, do.	Improved	
„ 4, Parker Street	}	
„ 6, do.		Closed
„ 24, do.	Rebuilt	
„ 19, Little Wild Street	}	
„ 20, do.		Certain rooms closed
„ 21, do.		
„ 151, Drury Lane	Improved	
„ 9, Shelton Street	}	
„ 11, do.		Closed
„ 17, Stacey Street	Improved	
„ 37, Endell Street	}	
„ 39, do.		Rebuilt
„ 1, King's Head Yard	}	
„ 2, do.		do.
„ 4, Nottingham Court	}	
„ 5, do.		do.
„ 6, do.		
„ 7, do.		
„ 33, Neal Street	}	
„ 35, do.		do.
„ 1, Tower Street... ..	}	
„ 2, do.		Demolished.
„ 3, do.		
„ 19, do.		
„ 20, do.	}	
„ 21, do.		Closed, and will be demolished.
„ 24, High Street		Closed.
„ 14, Queen Street... ..	Improved.	
„ 9, Macklin Street	}	
„ 11, do.		Closed.

A return presented to the members of the London County Council shows that from the passing of the Act to September 30th, 1891, the several Local Authorities in the Metropolis

have forwarded to the Council information of 1,247 houses unfit for habitation. Closing orders were granted in respect of 392 houses, and 349 were otherwise satisfactorily dealt with. Closing orders were refused in 69 cases, and 437 houses remain undealt with. Woolwich heads the list with 183 houses, Wandsworth follows with 162, St. George-in-the-East next with 120, Limehouse and Whitechapel next with 100 each, and St. Giles next with the list above.

Meteorology of the Year.

The remarks of the meteorology of the year are furnished from the reports made to the Registrar-General by Mr. James Glaisher, F.R.S., from the Royal Observatory, Greenwich, and various other stations.

FIRST QUARTER.

Temperature.—The mean temperature of the air was $37^{\circ}6$.

Barometer.—The mean reading of the barometer was 29.962 inches.

Rainfall.—The amount of rain measured was 3.75 inches.

Sunshine.—The amount of bright sunshine recorded was 190 hours, or 21.0 per cent of the total number of hours the sun was above the horizon.

Weather.—January was dry and very cold, with frequent fog and snow; atmospheric pressure was above its average until the middle of the month. The fall of rain was a little below its average, and vegetation was backward.

February.—The weather was fine and dry, but with frequent fog; the temperature was generally below the average.

March.—At the beginning was warm, but the remainder was cold and stormy, with frequent snow.

SECOND QUARTER.

Temperature.—The mean temperature during the quarter was $51^{\circ}\cdot6$.

Barometer.—The mean reading was 29·747 inches.

Rainfall.—The amount measured was, at Greenwich, 4·37 inches.

Sunshine.—The amount recorded was 433 hours, or 31·1 per cent. of the total number of hours the sun was above the horizon.

Weather.—April and May the weather was generally dry and cold; on the 11th May it suddenly became very warm, and on the 13th the temperature near London reached 80° ; on the 15th another sudden change took place, with frost and snow.

June was generally warm, bright, and dry.

THIRD QUARTER.

Temperature.—The mean temperature of the air was $59^{\circ}\cdot3$.

Barometer.—The mean reading was 29·746 inches.

Rainfall.—The amount measured at the Royal Observatory was 7·93 inches.

Sunshine.—There were 431 hours of bright sunshine recorded at the same observatory, or 32·6 per cent. of the total number of hours the sun was above the horizon.

Weather.—July and August, with the exception of about seven days, was cold, dull, and sunless; heavy gales and rain in August seriously delayed and injured the crops.

September, after the first week, became fine and warm, with few exceptions, until the end of the month.

FOURTH QUARTER.

Temperature.—The mean temperature was 45° .

Barometer.—The mean reading was 29·694 inches.

Rainfall.—The amount of rain measured was 9·00 inches, being 1·95 inches in excess of the average in the corresponding period of 76 years.

Sunshine.—The amount of bright sunshine recorded was 177 hours, or 21 per cent. of the total number of hours the sun was above the horizon.

Weather.—October was generally mild, with high winds and heavy rain.

November, in the early part, was cold.

December was wet and mild, with a succession of gales at the beginning to the middle of the month.

Sanitary Work.

A summary of the work of the Sanitary Inspectors carried out during the year, will be found in Table VI., Appendix, page 111.

11,481 visits and inspections were made for sanitary amendments of houses and premises. 663 notices were issued under the Nuisances Removal Metropolis Local Management and Sanitary Acts, and 278 under the Lodging House Regulations of the Sanitary Act, 1866, and the Sanitary Laws Amendment Act 1874.

In the majority of cases the notices were promptly attended to, and the nuisances abated.

Summonses.

In the following 14 cases where owners failed to comply with the notices served upon them, summonses were taken out at the Police Courts, and Magistrates orders obtained for the execution of the necessary works:—

62, Colonnade (2).

15, Marchmont Street.

- 12, Great St. Andrew Street.
- 32, do.
- 43, Great Queen Street.
- 8, Compton Mews.
- 38, Hart Street.
- 38, Short's Gardens.
- 40, do.
- 11, New Compton Street.
- Bernard Mews (2).
- King's Head Yard.

Underground Rooms as Dwellings.

(18 & 19 Vict., cap. 120, sec. 103).

13 underground rooms or kitchens found to be illegally occupied as sleeping places were closed or altered so as to comply with the Act, viz :—

- | | |
|---------------------------|-----------------------------------|
| No. 12, Kenton Street. | No. 7, Marchmont Street. |
| „ 41, do. | „ 71, New Compton Street (2). |
| „ 11, Handel Street. | „ 60, Castle Street. |
| „ 12, do. (2) | „ Talbot Mansions, Museum Street. |
| „ 15, Bury Street. | „ 21, High Street. |
| „ 43, Great Queen Street. | |

Overcrowding.

(29 & 30 Vict., cap. 90, sec. 19, sub.-sec. 1).

The undermentioned 23 rooms were found on inspection to have insufficient cubic space for the number of persons occupying them; in every case, upon notice being served upon the owners, the overcrowding was reduced, viz :

- | | |
|--------------------------------|-------------------------------|
| No. 45, Neal Street. | No. 7, Smarts Buildings. |
| „ 9, Phoenix Street. | „ 3, Twyford's Buildings. |
| „ 12, do. (3). | „ 37, Kenton Street. |
| „ 17, Queen Street (6). | „ 60, Museum Street. |
| „ 18, do. | „ 159, Drury Lane. |
| „ 45, New Compton Street. | „ 14, Little Guilford Street. |
| „ 4, Little White Lion Street. | „ 164, Drury Lane. |
| „ 19, Little Wild Street (2). | |

Regulations as to Lodging-houses.

Sanitary Act, 1866—29 & 30 Vict., cap. 90, sec. 35.

*Sanitary Laws Amendment Act, 1874—37 & 38 Vict.,
cap. 89, sec. 47.*

From 1885 to this date 533 houses let in lodgings have been registered under the provisions of the regulations in conformity of the above Acts of Parliament. Owing to the various improvements in the District this number has been reduced to 461, of which 67 are in the parish of St. George, Bloomsbury, and 394 in the parish of St. Giles-in-the-Fields.

LOCALITY.	No. of Houses.	LOCALITY.	No. of Houses.
Arthur Street	21	Parker Street	4
Betterton Street	26	Queen Street	9
Colonnade	5	Sardinia Place	7
Drury Lane	40	Short's Gardens	12
Dudley Street (now Shaftesbury Avenue)	28	Stacey Street	15
Dyott Street	13	Tower Street	8
Earl Street, Little	9	Twyford Buildings	6
Kenton Street	62	West Street	10
Lumber Court	12	Wild Court	5
Macklin Street	2	Wild Street, Great	24
Neal Street	43	Wild Street, Little	12
New Compton Street	59	White Lion Street, Great... ..	8
New Turnstile	8		
Nottingham Court	13		
		Total	461

Common Lodging-houses.

(14 & 15 Vict., cap. 28, and 16 & 17 Vict., cap. 41).

There are 49 common lodging-houses (all in the parish of St. Giles-in-the-Fields), registered by the Commissioners of Police to accommodate 1,973 lodgers, the prices of the beds range from 4*d.* to 1*s.* per night.

Inspector Blatchford and Sergeant Sergeant of the Bow Street E Sub-division, have the supervision of all of the houses, with the exception of No. 14, Lumber Court, which is attached to the Vine Street C Sub-division, under Inspector Shannon and Sergeant Lane.

Street or Place.	No. of Lodgers allowed.	Owner.	Street or Pl ce.	No. of Lodgers allowed.	Owner.
190½, Black Horse Yard	105	Mr. Skivens.	11, Short's Gardens	36	Mr. Biss.
11, Newton Street	30	Mr. Jones.	12, " "	62	" "
13, " "	43	" "	13, " "	20	" "
15, " "	23	" "	20, " "	34	" "
19, Macklin Street	54	Mrs. Howell.	21, " "	46	" "
21, " "	30	" "	22, " "	36	" "
6, Betterton Street	96	Mrs. Cooper.	14, " "	26	Mr. Doberty.
8, " "	18	Mr. Hall	20 & 21, Queen Street	34	Mr. Renwick.
8, Parker Street	34	Mrs. Bresnahan	22 & 23, " "	169	" "
10, " "	50	" "	24 & 25, " "	62	" "
45, " "	57	Mr. Ranyard.	3, Neal's Yard ...	44	" "
148, Drury Lane	37	Mrs. Light.	12, Kemble Street ...	100	Mrs. Campbell.
1 to 8, Kennedy Ct.	157	Mr. Walters.	14, " " ...	71	" "
1, 2, 3, Maras Bdgs	38	Mr. McCarthy.	16, Castle Street ...	29	Mrs. Conner.
25, Great Queen Street	165	Mr. Lodge.	7, Dyott Street ...	32	Mrs. Hill.
36, Parker Street			8, " " ...	25	" "
14, Lumber Court	73	Mr. Smith.	8a, " " ...	30	" "
			9, " " ...	30	" "
			6 & 7, Wild Court...	77	Mr. Sayers.

Under the provisions of the 59th section of the Housing of the Working Classes Act, 1890 (53 & 54 Vict., ch. 70), the Local Authority, the London County Council are erecting a common lodging house in Parker Street, Drury Lane. The building will be of 3 blocks to accommodate 320 persons, and there will be a separate building for laundry purposes. As this is to be the first building of the kind, the London County Council intend it to serve as a model.

The estimate cost of the building is:—

Contract price	14,300
Cost of furnishing	750
Architect's commission, Clerk of Works, etc.	1,100

£16,150

A charge of 5*d.* per bed is proposed, giving an expected return of over 4 per cent.

Unsound Food.

(26 & 27 Vict., cap. 117, sec. 2).

Parcels of rabbits, fish and fruit, which were the subject of disease or in a state of decay were destroyed at the stone yard. Proceedings at the Police Courts were unnecessary as the food had not been offered for sale.

Animals Improperly Kept.

(18 & 19 Vict., cap. 121, sec. 9).

The following animals, viz., dogs, cats, rabbits fowls, and a donkey, which were found on premises so kept as to be a nuisance or injurious to health, were removed immediately upon notices being served upon the respective owners.

Disinfection.

271 rooms were disinfected with sulphur by the Board's servants, free of charge, after the following infectious diseases :—

Scarlet Fever	...	...	83
Diphtheria	...	...	21
Small-pox ...	...	...	1
Enteric Fever	...	...	22
		Total	—127

The following is a List of the numerous parcels of Clothing, Bedding, &c., disinfected in the Hot-air Chamber at the Stone Yard.

Articles.	Number	Articles.	Number	Articles.	Number
Aprons ...	4	Dresses... ..	12	Shawls ...	30
Bags ...	2	Dress Bodices ...	10	Sheets ...	143
Beds ...	92	Dress Skirts ...	12	Shirts... ..	21
Bedcases ...	6	Dressing Gowns..	4	Socks... ..	6
Bedgowns ...	6	Frocks ...	3	Stays ...	4
Blankets ...	189	Guernseys ...	3	Stockings ...	3
Bolsters ...	68	Handkerchiefs...	18	Sundries ...	73
Bolster Cases ...	6	Jackets... ..	17	Table Cloths ...	2
Caps ...	4	Mattresses ...	48	Table Covers ...	9
Carpets... ..	5	Neckties ...	7	Towels ...	9
Carpet Pieces ...	24	Night Shirts ...	5	Trousers ...	21
Chemises ...	13	Night Dresses ...	8	Ulsters ...	3
Cloak ...	1	Paliasses ...	1	Vallances ...	8
Coats ...	20	Petticoats ...	34	Vests ...	16
Collars ...	10	Pillows ...	216	Wrappers ...	2
Counterpanes ...	79	Pillow Cases ...	123		
Cushions ...	28	Pinafores ...	1	Total ...	1,492
Cuffs ...	1	Quilts ...	20		
Curtains ...	15	Rugs ...	16		
Drawers ...	5	Scarves ...	6		

Disinfectants.

By Order of your Board the disinfectants used for the following purposes are :—

1. *Chloride of Lime*, for disinfecting the soil and refuse matter removed from the catch-pit gullies and sewers, and offensive earth taken out of excavations for sewers and house drains.

2. *Carbolic Acid Powder*, for deodorizing dust-bins.

3. *Sanitas Powder and Fluid*, for use in the Mortuary and Post-mortem room.

4. *Permanganate of Potash*, in street watering and flushing of courts and alleys.

5. *Perchloride of Mercury*, for the disinfection of drains, sewers, and gully-pits.

A mixture of this is made in the proportions of—

Perchloride of mercury ...	8 ounces (3,500 grains).
Methylated spirit ...	2 pints.
Aniline (green)	half an ounce.
Water to make	50 gallons.

Slaughter-houses and Cow-sheds.

In pursuance of the powers devolving upon the London Country Council under the 93rd Section of the Metropolis Management Amendment Act, the 10th Section of the Slaughter-houses (Metropolis) Act, and the 45th Section of the Local Government Act, 1888, and the delegation of such powers by the Council to the Sanitary and Special Purposes Committee, 5 of the undermentioned licenses were granted on the 29th October last, and the license for the cowshed, No. 4, Goldsmith Street (which has been rebuilt) was renewed on the 12th January, 1892. Previous to the licensing day the several premises were carefully inspected by your Board's officers, and where works were found to be necessary orders were made upon the owners to execute them, and the London County Council were informed of the same.

Slaughter-houses.

(Licenses renewed).

Locality.	Licensee.
No. 6, Drury Lane	Mr. Arthur Wm. Lewin.
„ 23, Store Street	„ Wm. Kingmill.
„ 11, Kenton Street	„ Richard Dunford.

Cow-sheds.

(Licenses renewed).

Locality.	Dimensions of Shed.	No. of Cows allowed.	Licensee.
No. 4, Goldsmith Street ...	27ft. × 19·3ft. × 14ft. = 7,246 cubic feet.	12	Mr. Edward Jones.
„ 56, Gt. Coram Street ...	29 ft. × 16ft. × 8 ft. = 3,712 cubic feet.	6	Mr. John Capell.
„ 19, Tavistock Street ...	24ft. × 22ft. × 10ft. = 5,280 cubic feet.	11	

Since the granting of the licenses Mr. Capell has disposed of his business to Messrs John Bliss and William Collins, who have removed the cows from both sheds.

Bakehouses.

(46 & 47 Vict., cap. 53).

The following list shows that there are 28 bakehouses in the district, 16 in St. Giles-in-the-Fields, and 12 in Bloomsbury.

These several premises were inspected from time to time, and orders for cleansing and limewhiting duly served where required.

ST. GILES-IN-THE-FIELDS.

Premises.	Owner.
200, Shaftesbury Avenue	Mr. J. H. Linscott.
17, Drury Lane	„ Mills.
160, Drury Lane	„ R. Fuchs.
33, Great Wild Street	„ Muheberger.
48, High Street	Mrs. Trickey.
63, High Street	Mr. Stumm.
8, Little Earl Street	„ Mead.
19, Little Earl Street	„ Vollmer.
5, Little St. Andrew Street	„ Hummler.
25, Little St. Andrew Street	„ Mead.
26, Little Queen Street	„ Smith.
20, Neal Street	Mrs. M. Kunz.
60, Neal Street	Mr. J. Embach.
6, Torrington Place... ..	„ R. Parsons.
233, Tottenham Court Road	„ Cossavella.
14, Tower Street	„ James.

ST. GEORGE, BLOOMSBURY.

Premises.	Owner.
2, Bloomsbury Court	Messrs. Cossavella and Fietta.
10, Bury Street	Mr. Ling.
8, Great Coram Street	„ C. F. Foulks.
38, Great Coram Street	„ Kistner.
155, High Holborn... ..	„ H. B. Rahe.
162, High Holborn... ..	„ H. B. Rahe.
63, Kenton Street	„ Groom.
21, Marchmont Street	„ J. W. Cameron
59, Marchmont Street	Mrs. Balfour.
8, Museum Street	Mr. H. B. Rahe.
28, New Oxford Street	Anglo-Austrian Bakery Co.
88, Southampton Row	Mr. Chalmers.

Marine Store Dealers.

There are at the present time only 7 shops kept by rag and bone dealers, 3 in Bloomsbury, and 4 in St. Giles-in-the-Fields.

The Sanitary Inspectors periodically visited the several premises, and found them generally kept in good order.

Legislation.

On 1st January, 1892, the Public Health (London) Act came into operation.

This Act consolidates and amends the law relating to the public health of the metropolis by repealing sixteen statutes entirely and some nineteen partially.

This codification is intended to do for London what the Public Health Act, 1875, did for the rest of the country.

The Act, amongst other important provisions and amendments, enacts that it will be the duty of the Sanitary Authority.

(1) To cause to be made from time to time inspection of their district, so as to secure the proper condition of all premises.

(2) To enforce bye-laws, which it is the duty of the Local Government Board, the London County Council, and the Sanitary Authorities to frame for a variety of purposes.

(3) To carry out the provisions of the Smoke Consumption Act.

(4) To order the inspection of workshops and bakehouses for the enforcement of certain provisions relating to them.

(5) Provides that the London County Council may intervene, and carry into effect, within the district of any defaulting Local Authority, the duties in respect of which that authority is in default.

I have the honour to be, Gentlemen,

Your obedient Servant,

S. R. LOVETT,

*Licentiate of the Royal College of Physicians,
Edinburgh.*

*Licentiate of the Royal College of Surgeons,
Ireland.*

*Licentiate of the Society of Apothecaries,
London.*

*President of the Metropolitan Branch and
Treasurer of the Society of Medical
Officers of Health.*

Medical Officer of Health for the District.

TABULAR STATEMENTS.

		PAGE
TABLE I.	- - - - -	102
„ II.	- - - - -	103
„ III.	- - - - -	104
„ III. (Summary)	- - - - -	108
„ IV.	- - - - -	109
„ V.	- - - - -	110
„ VI.	- - - - -	111
„ VII.	- - - - -	112
„ VIII.	- - - - -	113
„ IX.	- - - - -	114
„ X.	- - - - -	116

Returns for Tables I.—VI. were compiled by the Society of Medical Officers of Health with the object of securing uniformity in Statistical Returns.

TABLE I.

SHOWING THE POPULATION, INHABITED HOUSES, MARRIAGES, BIRTHS AND DEATHS FOR THE YEAR 1891, AND TEN YEARS PRECEDING.

GROSS NUMBERS.

The Year.	Estima- ted popu- lation.	Number of In- habited Houses.	Mar- riages.	Regis- tered Births.	Corrected Deaths.				
					Total all ages.	Under one year.	Total under five years.	In public Institu- tions out- side the District.	In public Institu- tions in- side the District.
1891	*39,778	*4,068	370	1,146	+1,092	213	352	261	‡246
1890	347	1,183	1,035	190	299	258	197
1889	322	1,197	904	176	296	233	109
1888	341	1,210	853	188	277	199	149
1887	318	1,214	1,045	217	144	213	161
1886	303	1,286	1,038	212	373	177	167
1885	337	1,328	1,077	217	365	231	234
1884	344	1,526	1,264	278	502	218	210
1883	364	1,436	1,006	260	447	164	209
1882	357	1,538	1,010	231	418	157	196
1881	353	1,487	1,008	235	379	162	236
Average of 10 years, 1881-1890.	{ ...	{ ...	338	1,340	1,024	220	350	201	186

NOTES.

- 1.—Population at Census, 1891...39,778.
- 2.—Average number of persons in each house at Census, 1891...9·7.
- 3.—Area of { St. George, Bloomsbury, 122 }
district { St. Giles-in-the-Fields, 123 } 245 acres.
- 4.—Quinquennial Valuation Lists 1890, as amended by Sir Peter Edlin at Quarter Sessions :—

	GROSS.	RATEABLE.
St. George, Bloomsbury ...	216,246	181,048
St. Giles-in-the-Fields ...	273,573	228,039
	<u>£489,819</u>	<u>£409,087</u>

* Census 1891.

† Inclusive of the deaths of parishioners at Public Institutions outside the district, and exclusive of the deaths of non-parishioners at Public Institutions within the district.

‡ 246 persons died in public institutions inside the district, but 72 were non-parishioners.

TABLE II.

SHOWING THE ANNUAL BIRTH-RATE, DEATH-RATE, DEATH-RATES OF CHILDREN, AND PROPORTION OF DEATHS IN PUBLIC INSTITUTIONS IN A THOUSAND DEATHS FOR THE YEAR 1891, AND TEN YEARS PRECEDING.

In Year.	Birth-rate per 1,000 of the Population.	Death-rate per 1,000 of the Population.	Deaths of Children under 1 year per 1,000 of Registered Births.	Deaths of Children under 1 year per 1,000 of total Deaths.	Deaths of Children under 5 years per 1,000 of total Deaths.	Deaths in Public Institutions inside the District per 1,000 of total Deaths.
1891	28.8	27.4	185	195	322	225
1890	26.0	22.8	160	183	288	190
1889	26.3	19.9	147	194	327	120
1888	26.6	18.7	155	220	324	174
1887	26.7	23.0	178	207	345	154
1886	28.4	22.9	164	204	359	160
1885	29.1	23.6	163	193	325	208
1884	32.6	26.1	182	227	411	180
1883	30.7	24.1	181	230	395	184
1882	29.7	24.0	150	205	372	174
1881	29.4	24.6	158	210	340	208
Average of 10 years—1881 to 1890.	28.5	22.9	163	207	348	175

TABLE III.—DEATHS REGISTERED FROM ALL CAUSES IN THE YEAR 1891 (INCLUSIVE OF THE DEATHS OF PARISHIONERS AT HOSPITALS AND PUBLIC INSTITUTIONS OUTSIDE THE DISTRICT).

CAUSES OF DEATH.	AGES.						Total under Five Years of Age.	Grand Total all Ages.	SUB-DISTRICTS.		
	0 to 1.	1 to 5.	5 to 15.	15 to 25.	25 to 60.	60 and upwards.			St. George Blooms-bury.	St. Giles, South.	St. Giles, North.
CLASSES.											
I. Specific Febrile or Zymotic Diseases	37	68	8	9	21	16	105	159	44	76	39
II. Parasitic Diseases	—	—	—	—	—	—	—	—	—	—	—
III. Dietic Diseases	—	—	—	—	9	1	—	10	2	2	—
IV. Constitutional Diseases	13	24	12	24	142	28	37	243	40	123	81
V. Developmental Diseases	45	—	—	—	—	41	45	86	32	33	21
VI. Local Diseases	71	43	10	18	238	202	114	582	147	316	119
VII. Deaths from Violence	13	2	3	1	18	4	15	41	11	19	11
VIII. Deaths from ill-defined and not specified Causes	84	2	—	1	3	3	36	43	14	16	13
	213	139	33	53	431	295	352	1,164	290	591	283
I. SPECIFIC FEBRILE OR ZYMOTIC DISEASES.											
1. MIASMATIC DISEASES.											
Small Pox, Vaccinated	—	—	—	—	—	—	—	—	—	—	—
Ditto Unvaccinated	—	—	—	—	—	—	—	—	—	—	—
Ditto No Statement	—	—	—	—	—	—	—	—	—	—	—
Measles	4	38	1	—	—	—	42	43	11	23	9
Scarlet Fever	—	—	—	—	—	—	—	—	—	—	—
Typhus	—	—	—	—	—	—	—	—	—	—	—
Whooping-Cough	7	19	3	—	—	—	26	29	13	10	6
Diphtheria	2	7	2	—	—	—	9	11	3	6	2
Simple Continued or Ill-defined Fever	1	—	—	—	—	—	1	1	1	—	—
Enteric or Typhoid Fever	—	1	1	5	3	—	1	10	3	3	4
Other Miasmatic Diseases (Influenza)	—	1	1	2	15	12	1	31	5	19	7
2. DIARRHOEAL DISEASES.											
Simple Cholera	—	—	—	—	—	—	—	—	—	—	—
Diarrhoea, Dysentery	16	2	—	—	1	—	18	19	3	7	9
3. MALARIAL DISEASES.											
Remittent Fever	—	—	—	—	—	—	—	—	—	—	—
Ague	—	—	—	—	—	—	—	—	—	—	—
4. ZOOGENOUS DISEASES.											
Cowpox, and effects of Vaccination	—	—	—	—	—	—	—	—	—	—	—
Other Diseases (e.g., Hydrophobia, Glanders, Splenic Fever)	—	—	—	—	—	—	—	—	—	—	—
5. VENEREAL DISEASES.											
Syphilis	5	—	—	—	—	1	5	6	—	5	1
Gonorrhoea, Stricture of the Urethra	—	—	—	—	—	—	—	—	—	—	—
6. SEPTIC DISEASES.											
Erysipelas	2	—	—	1	2	3	2	8	4	3	1
Pyæmia, Septicæmia	—	—	—	—	—	—	—	—	—	—	—
Puerperal Fever	—	—	—	1	—	—	—	1	1	—	—
	37	68	8	9	21	16	105	159	44	76	39

II. PARASITIC DISEASES.										
Thrush, and other Vegetable Parasitic Diseases	—	—	—	—	—	—	—	—	—	—
Worms, Hydatids, and other Animal Parasitic Diseases	—	—	—	—	—	—	—	—	—	—
III. DIETIC DISEASES.										
Want of Breast Milk—Starvation	—	—	—	—	—	—	—	—	—	—
Scurvy	—	—	—	—	—	—	—	—	—	—
Chronic Alcoholism	—	—	—	3	—	—	3	1	2	—
Delirium Tremens	—	—	—	6	1	—	7	1	6	—
—	—	—	—	9	1	—	10	2	8	—
IV. CONSTITUTIONAL DISEASES.										
Rheumatic Fever, Rheumatism of the Heart	—	1	2	1	3	1	1	8	3	4
Rheumatism	—	—	—	—	1	—	—	1	—	1
Gout	—	—	—	—	1	1	—	2	—	2
Rickets	2	5	—	—	—	—	7	7	2	4
Cancer, Malignant Disease	—	—	—	—	14	17	—	31	3	14
Tabes Mesenterica	2	4	—	—	—	—	6	6	1	—
Tubercular Meningitis, Hydrocephalus	6	11	2	—	—	—	17	19	6	6
Phthisis	—	1	4	20	119	9	1	153	22	84
Other forms of Tuberculosis, Scrofula	3	2	4	2	4	—	5	15	3	9
Purpura, Haemorrhagic Diathesis	—	—	—	1	—	—	—	1	—	1
Anæmia, Chlorosis, Leucocythemia	—	—	—	—	—	—	—	—	—	—
Glycosuria, Diabetes Mellitus	—	—	—	—	—	—	—	—	—	—
Other Constitutional Diseases	—	—	—	—	—	—	—	—	—	—
—	13	24	12	24	142	28	37	243	40	123
V. DEVELOPMENTAL DISEASES.										
Premature Birth	41	—	—	—	—	—	41	41	17	10
Atelectasis	3	—	—	—	—	—	3	3	2	—
Congenital Malformation	1	—	—	—	—	—	1	1	—	1
Old Age	—	—	—	—	—	41	—	41	13	22
—	45	—	—	—	—	41	45	86	32	33
VI. LOCAL DISEASES.										
1. DISEASES OF NERVOUS SYSTEM.										
Inflammation of Brain or Membranes	1	—	1	—	7	—	1	9	2	4
Apoplexy, Softening of Brain, Hemiplegia, Brain Paralysis	—	1	—	—	17	31	1	49	12	27
Insanity, General Paralysis of the Insane	—	—	—	—	4	14	—	18	8	8
Epilepsy	—	—	—	—	1	—	—	1	1	—
Convulsions	17	3	1	—	—	—	20	21	8	8
Laryngismus Stridulus (Spasm of Glottis)	4	—	—	—	—	—	4	4	3	—
Disease of Spinal Cord, Paraplegia, Paralysis Agitans	—	—	—	—	1	5	—	6	1	5
Other Diseases of Nervous System	—	—	—	—	—	—	—	—	—	—
Carried forward	22	4	2	—	30	50	26	108	35	52

TABLE III.—continued.

CAUSES OF DEATH.	AGES.						Total under Five Years of Age.	Grand Total all Ages.	SUB-DISTRICTS.		
	0 to 1.	1 to 5.	5 to 15.	15 to 25.	25 to 60.	60 and upwards.			St. George Blooms-bury.	St. Giles, South.	St. Giles, North.
Brought forward	22	4	2	—	30	50	26	108	35	52	21
2. DISEASES OF ORGANS OF SPECIAL SENSE.											
Diseases of Organs of Special Sense, e.g., of Ear, Eye, Nose	—	—	—	1	—	—	—	1	—	1	—
3. DISEASES OF CIRCULATORY SYSTEM.											
Pericarditis	—	—	—	—	—	1	—	1	—	—	—
Acute Endocarditis	—	—	—	1	—	—	—	1	1	—	—
Valvular Diseases of Heart	—	—	—	1	20	4	—	25	4	16	5
Other Diseases of Heart	—	—	—	4	24	18	—	46	12	19	15
Aneurism	—	—	—	—	2	2	—	4	1	2	1
Embolism, Thrombosis	—	—	—	1	—	—	—	1	1	—	—
Other Diseases of Blood Vessels	—	—	—	—	—	—	—	—	—	—	—
4. DISEASES OF RESPIRATORY SYSTEM.											
Laryngitis	—	1	—	—	1	—	1	2	—	2	—
Croup	—	—	—	—	—	—	—	—	—	—	—
Emphysema, Asthma	—	—	—	1	—	—	—	1	—	1	—
Bronchitis	32	27	2	1	72	80	59	214	51	123	40
Pneumonia	8	9	1	4	44	25	17	91	16	61	14
Pleurisy	—	1	—	—	2	4	1	7	1	5	1
Other Diseases of Respiratory System	—	—	—	—	—	—	—	—	—	—	—
5. DISEASES OF DIGESTIVE ORGANS.											
Dentition	3	—	—	—	—	—	3	3	1	—	2
Sore Throat, Quinsey	—	—	—	—	—	—	—	—	—	—	—
Diseases of Stomach	1	—	—	1	—	1	1	3	—	2	1
Enteritis	4	—	—	—	2	—	4	6	1	2	3
Obstructive Diseases of Intestine	1	—	1	—	2	5	1	9	—	4	—
Peritonitis	—	—	1	1	2	2	—	6	5	4	—
Ascites	—	—	—	—	—	—	—	—	—	—	—
Cirrhosis of Liver	—	—	—	—	10	4	—	14	5	4	5
Jaundice, and other Diseases of Liver	—	—	—	1	3	—	—	4	1	3	—
Other Diseases of Digestive System	—	—	—	—	—	—	—	—	—	—	—
6. DISEASES OF LYMPHATIC SYSTEM.											
E.g., of Lymphatics and of Spleen	—	—	—	—	3	—	—	3	2	—	1
7. DISEASES OF GLANDLIKE ORGANS OF UNCERTAIN USE.											
E.g., Bronchocele, Addison's Disease	—	—	1	—	—	—	—	1	—	—	1
8. DISEASES OF URINARY SYSTEM.											
Nephritis	—	1	—	—	8	2	1	11	1	5	5
Bright's Disease, Albuminuria	—	—	—	1	7	3	—	11	4	6	1
Disease of Bladder or of Prostate	—	—	—	—	—	1	—	1	—	—	1
Other Diseases of the Urinary System	—	—	—	—	—	—	—	—	—	—	—

9. DISEASES OF REPRODUCTIVE SYSTEM.											
Male Organs	—	—	—	—	—	—	—	—	—	—	—
Female Organs	—	—	—	—	—	—	—	—	—	—	—
Abortion, Miscarriage	—	—	—	—	—	—	—	—	—	—	—
Puerperal Convulsions	—	—	—	—	—	—	—	—	—	—	—
Placenta Prævia, Flooding	—	—	—	—	—	—	—	—	—	—	—
Other Accidents of Childbirth	—	—	—	—	—	—	—	—	—	—	—
10. DISEASES OF BONES AND JOINTS.											
Caries, Necrosis	—	—	2	—	—	—	—	2	1	—	1
Arthritis, Ostitis, Periostitis	—	—	—	—	—	—	—	—	—	—	—
Other Diseases of Bones and Joints	—	—	—	—	1	—	—	1	1	—	—
11. DISEASES OF INTEGUMENTARY SYSTEM.											
Carbuncle, Phlegmon	—	—	—	—	—	—	—	—	—	—	—
Other Diseases of Integumentary System	—	—	—	—	—	—	—	—	—	—	—
	71	43	10	18	238	202	114	582	147	316	119
VII. DEATHS FROM VIOLENCE.											
1. ACCIDENT OR NEGLIGENCE—Fractures and Contusions											
.. .. .	2	1	2	—	7	3	3	15	4	8	3
.. .. .	—	—	—	—	—	—	—	—	—	—	—
.. .. .	—	—	—	—	—	—	—	—	—	—	—
.. .. .	—	1	1	—	—	—	1	—	—	2	—
.. .. .	—	—	—	—	1	—	—	1	—	—	1
.. .. .	1	—	—	—	1	—	1	2	1	1	—
.. .. .	9	—	—	—	—	—	—	9	—	4	5
.. .. .	—	—	—	—	—	—	—	—	—	—	—
2. HOMICIDE—Manslaughter											
.. .. .	—	—	—	—	—	—	—	—	—	—	—
.. .. .	1	—	—	—	—	—	1	1	—	—	1
3. SUICIDE—Gunshot Wounds											
.. .. .	—	—	—	1	2	—	—	3	2	—	—
.. .. .	—	—	—	—	—	—	—	—	—	—	—
.. .. .	—	—	—	—	3	—	—	3	2	1	—
.. .. .	—	—	—	—	1	1	—	2	—	2	—
.. .. .	—	—	—	—	3	—	—	3	2	1	—
.. .. .	—	—	—	—	—	—	—	—	—	—	—
4. EXECUTION—Hanging											
.. .. .	—	—	—	—	—	—	—	—	—	—	—
	13	2	3	1	18	4	15	41	11	19	11
VIII. DEATHS FROM ILL-DEFINED AND NOT SPECIFIED CAUSES.											
Dropsy	—	—	—	—	—	—	—	—	—	—	—
Debility, Atrophy, Inanition	34	2	—	1	—	—	36	37	11	15	11
Mortification	—	—	—	—	1	1	—	2	—	1	1
Tumour	—	—	—	—	2	2	—	4	3	—	1
Abscess	—	—	—	—	—	—	—	—	—	—	—
Hæmorrhage	—	—	—	—	—	—	—	—	—	—	—
Sudden Death (cause not ascertained)	—	—	—	—	—	—	—	—	—	—	—
Causes not Specified or Ill-defined	—	—	—	—	—	—	—	—	—	—	—
	34	2	—	1	3	3	36	43	14	16	13

SUMMARY OF TABLE III.

	Number of Deaths.
I.—SPECIFIC FEBRILE OR ZYMOTIC DISEASES—	
1. Miasmatic Diseases	125
2. Diarrhoeal	19
3. Malarial	—
4. Zoogenous	—
5. Venereal	6
6. Septic	9
II.—PARASITIC DISEASES	—
III.—DIETIC DISEASES	10
IV.—CONSTITUTIONAL DISEASES	243
V.—DEVELOPMENTAL DISEASES	86
VI.—LOCAL DISEASES—	
1. Diseases of Nervous System	108
2. Diseases of Organs of Special Sense	1
3. Diseases of Circulatory System	78
4. Diseases of Respiratory System	315
5. Diseases of Digestive System	45
6. Diseases of Lymphatic System	3
7. Diseases of Gland-like Organs of uncertain use	1
8. Diseases of Urinary System	23
9. Diseases of Reproductive System—	
(a.) Diseases of Organs of Generation	—
(b.) Diseases of Parturition	5
10. Diseases of Bones and Joints	3
11. Diseases of Integumentary System	—
VII.—VIOLENCE—	
1. Accident or Negligence... ..	28
2. Homicide	1
3. Suicide	12
4. Execution	—
VIII.—ILL-DEFINED AND NOT SPECIFIED CAUSES	43
Total	1,164

TABLE IV.

Showing the number of Deaths at all ages in 1891 from certain groups of Diseases, and proportions to 1,000 of Population, and to 1,000 Deaths from all causes; also the number of Deaths of Infants under one year of age from other groups of Diseases, and proportions to 1,000 Births and to 1,000 Deaths from all causes under one year.

DIVISION I.	Total Deaths.	Deaths per 1,000 of Population at all ages.	Deaths per 1,000 of Total Deaths at all ages.
1. Principal Zymotic Diseases.	113	2·9	103
2. Pulmonary Diseases	315	7·8	288
3. Principal Tubercular Diseases	181	4·5	174
DIVISION II. (Infants under One Year).	Total Deaths.	Deaths per 1,000 of Births.	Deaths per 1,000 of Total Deaths under One Year.
4. Wasting Diseases	75	6·5	195
5. Convulsive Diseases	26	2·2	122

NOTES.

1. Includes Small-pox, Measles, Scarlet Fever, Diphtheria, Whooping-cough, Typhus, Enteric (or Typhoid), and Simple Continued Fevers and Diarrhœa. 22 of these deaths occurred in Hospitals outside the District.
3. Includes Phthisis, Scrofula, Tuberculosis, Rickets, and Tabes.
4. Includes Marasmas, Atrophy, Debility, Want of Breast Milk, and Premature Birth.
5. Includes Hydrocephalus, Infantile Meningitis, Convulsions and Teething.

TABLE V.

SHOWING THE NUMBER OF DEATHS IN THE TEN YEARS, 1881 to 1890, FROM THE SEVEN PRINCIPAL ZYMOTIC DISEASES, AND THE NUMBER IN 1891, ETC.

DISEASE.	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	Annual average of 10 years, 1881 to 1890.	Proportion of deaths to 1,000 deaths in 10 years, 1881 to 1890.	1891	Proportion of deaths to 1,000 deaths in 1891.
Small-pox ...	10	3	...	19	18	...	1	...	...	...	5.1	4.7	...	...
Measles ...	22	41	31	40	17	43	15	16	41	17	28.3	26.8	43	39.3
Scarlet Fever ...	19	14	16	15	4	5	20	4	4	8	10.9	10.3	..	...
Diphtheria ...	6	21	19	12	13	5	24	11	17	10	13.8	13.0	11	10.0
Whooping-Cough	29	24	9	48	26	38	21	17	14	17	24.3	23.0	29	26.5
Fever ...	20	16	20	20	10	9	3	7	8	10	12.3	11.6	11	10.0
Diarrhoea ...	36	37	32	47	18	37	24	11	30	23	29.5	27.9	19	17.3
Totals, St. Giles District ...	142	156	127	201	106	137	108	66	114	85	124.2	117.8	113	103.4
Totals, London	13,811	13,553	10,801	13,629	11,261	11,121	12,684	10,803	9,709	12,279	—	—	—	—
Totals, England and Wales ...	58,239	69,734	58,972	71,762	57,726	62,859	64,676	50,684	61,027	59,698	—	—	—	—

TABLE VI.

REPORT OF SANITARY WORKS, &c., IN 1891, CARRIED OUT UNDER THE
SUPERINTENDENCE OF SANITARY INSPECTORS BOND AND ROBINSON.

NATURE OF WORKS.	SUB-DISTRICTS.			Total.
	St. George, Bloomsbury.	St. Giles, South.	St. Giles, North.	
Number of complaints received during the year...	64	140	102	306
Number of houses and premises visited and inspected ...	3,633	5,424	2,424	11,481
Result of Inspections.	Orders issued for sanitary amendments of houses and premises ...			
	244	524	295	1,063
	Houses and premises, &c., cleansed, repaired, and whitewashed ...			
	94	242	149	485
Rooms disinfected after infectious diseases				
	43	41	30	114
House Drains.	Repaired, cleansed, &c. ...			
	44	59	30	113
	Trapped or ventilated ...			
	24	61	44	129
New constructed ...				
	10	5	17	32
W.C.'s.	Repaired, cleansed, &c. ...			
	73	186	137	396
	Supplied with water ...			
	14	11	1	26
New constructed ...				
	4	1	1	6
Dust Bins.	New provided ...			
	8	...	4	12
Repaired and covered ...				
	36	64	36	136
Water Supply	Cisterns (new) erected ...			
	3	3	1	7
Cisterns cleansed, repaired and covered ...				
	52	77	49	178
Miscellaneous.	Number of Lodging-houses registered under Sanitary Act, 1866 ...			
	67	214	180	461
	Removal of accumulation of dung, animal and other refuse ...			
	37	145	70	252
	Removal of animals improperly kept ...			
	2	...	4	6
	Bakelhouses ...			
	12	8	7	27
	Licensed cow-houses ...			
	2	1	...	3
Licensed slaughter-houses ...				
1	1	1	3	
Other proceedings, e.g., legal proceedings				
12	15	20	47	

TABLE VII.

THE MARRIAGE-RATE PER 1,000 IN ST. GILES DISTRICT FROM 1877 TO 1891.

Sub-Districts.	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891
St. George, Bloomsbury ...	14.6	15.5	14.2	14.9	15.5	15.2	15.5	14.7	14.7	13.4	14.0	15.0	14.1	15.2	18.6
St. Giles, South ...															
St. Giles, North ...															

THE BIRTH-RATE PER 1,000 IN ST. GILES DISTRICT AND SUB-DISTRICTS FROM 1873 TO 1891.

Sub-Districts.	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	
St. George, Bloomsbury	27.0	26.56	25.55	25.27	25.21	23.8	24.3	22.0	23.7	21.4	21.6	23.2	21.8	21.9	21.8	19.4	22.2	20.3	20.4
St. Giles, South	32.7	29.49	31.11	27.97	32.16	30.9	32.4	28.0	32.7	37.7	41.8	46.0	42.8	43.5	40.0	41.9	40.3	38.8	40.5
St. Giles, North	30.4	31.82	29.58	31.0	27.09	26.0	26.7	24.8	32.9	29.0	28.4	28.0	23.0	19.7	18.3	18.9	16.3	19.2	23.3
Entire District	32.5	29.23	28.80	28.0	28.28	27.0	27.9	25.3	29.4	29.7	30.7	32.6	29.1	28.4	26.7	26.6	26.3	26.0	28.5

THE DEATH-RATE PER 1,000 IN ST. GILES DISTRICT AND SUB-DISTRICTS FROM 1873 TO 1891.

Sub-Districts.	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891
St. George, Bloomsbury ..	18.0	17.94	18.83	18.99	15.58	16.47	17.9	19.8	18.0	14.7	14.1	16.0	18.0	14.6	16.6	11.9	14.9	14.9	18.4
St. Giles, South ..	30.2	33.16	26.71	25.35	29.49	26.4	27.3	26.8	28.9	31.5	37.2	38.9	34.5	36.3	36.3	32.5	32.8	37.0	39.2
St. Giles, North ...	20.3	21.82	25.27	23.36	21.51	22.24	22.1	24.8	27.9	18.1	20.8	23.0	18.4	18.5	16.4	12.2	11.9	16.9	26.5
Entire District...	23.9	25.68	23.63	22.30	22.38	21.8	22.5	23.7	24.6	24.0	24.1	26.1	23.6	22.9	23.0	18.7	19.9	22.8	27.4

TABLE VIII.

REGISTERED BIRTHS IN 52 WEEKS OF 1891. SUB-DISTRICTS OF
ST. GILES.

SUB-DISTRICTS.	First Quarter. 13 weeks.		Second Quarter. 13 weeks.		Third Quarter. 13 weeks.		Fourth Quarter. 13 weeks.		Whole Year, 1891. 52 weeks.		
	M.	F.	M.	F.	M.	F.	M.	F.	M	F.	Total Children.
St. George, Bloomsbury	51	53	51	27	44	48	40	28	186	156	342
St. Giles, South	67	76	79	58	53	67	67	66	266	267	533
St. Giles, North	34	28	44	37	27	35	32	34	137	134	271
Whole District	152	157	174	122	124	150	139	128	589	557	1146

REGISTERED DEATHS IN 52 WEEKS OF 1891. SUB-DISTRICTS OF
ST. GILES.

SUB-DISTRICTS.	First Quarter. 13 weeks.		Second Quarter. 13 weeks.		Third Quarter. 13 weeks.		Fourth Quarter. 13 weeks.		Whole Year, 1891. 52 weeks.		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Both Sexes
St. George, Bloomsbury	33	28	34	40	23	23	27	26	117	117	234
St. Giles, South	81	57	65	54	34	39	62	49	242	199	441
St. Giles, North	19	31	29	36	29	15	36	33	113	115	228
Whole District	133	116	128	130	86	77	125	108	472	431	903

TABLE IX.

Showing the Localities in which fatal cases of the Principal Zymotic Diseases occurred in 1891.

Locality.	Measles.	Scarlet Fever.	Whoop- ing- cough.	Diph- theria.	Fever.	Diar- rhœa.	Total.
Alfred Place ...	—	—	—	—	1	—	1
Andrew St. Gt. ...	1	—	—	—	1	2	4
Arthur Street ...	—	—	—	1	—	—	1
Betterton Street ...	3	—	1	—	—	1	5
Bernard Mews ...	—	—	1	—	—	—	1
Broad Street ...	—	—	—	—	—	1	1
Castle Street ...	3	—	—	—	—	—	3
Clarke's Buildings	1	—	1	—	—	—	2
Compton Street, New... ..	—	—	—	—	—	3	3
Coram Street, Gt.	—	—	5	—	—	—	5
Coram Street, Little (Peabody Bldgs).	3	—	1	—	—	—	4
Denmark Street ...	—	—	1	—	—	—	1
Drury Lane... ..	4	—	1	1	—	1	7
Dyott Street ...	—	—	1	—	—	1	2
Earl Street, Little..	1	—	—	—	—	—	1
Goldsmith Street... ..	2	—	1	—	—	—	3
Guilford St., Little	4	—	1	—	—	1	6
Handel Street ...	1	—	1	—	—	—	2
Holborn High ...	1	—	—	—	1	—	2
Kemble Street ...	—	—	2	—	—	—	2
Kenton Street ...	—	—	1	1	—	—	2
Keppel Mews, north	—	—	—	—	—	1	1
Kingsgate Street... ..	1	—	—	—	—	1	2
Lascelles Place ...	1	—	—	—	—	—	1
Lawrence Street ...	—	—	—	—	1	—	1
Lincoln's Inn Fields	—	—	—	1	—	—	1
Lumber Court ...	2	—	2	—	—	1	5
Macklin Street ...	2	—	—	—	—	—	2
Marchmont Street	—	—	—	—	1	1	2
Montague Street... ..	—	—	—	—	1	—	1
Neal Street... ..	—	—	2	—	—	—	2
Nottingham Court.	—	—	—	—	—	1	1
Phoenix Street ...	2	—	1	—	—	—	3
Carried over.	32	—	23	4	6	15	80

TABLE IX.—continued.

Locality.	Measles.	Scarlet Fever.	Whoop- ing Cough.	Diph- theria.	Fever.	Diar- rhoea.	Total.
Brought forward.	32	—	23	4	6	15	80
Queen's Court ...	—	—	—	—	—	1	1
Queen Street ...	3	—	1	—	—	—	4
Russell Street, Gt..	—	—	—	—	1	—	1
Russell Street, Little	—	—	1	—	—	—	1
Shaftesbury Avenue	—	—	—	2	*1	*1	4
Short's Gardens ...	—	—	1	—	—	—	1
Southampton Mews	1	—	—	—	—	—	1
Torrington Mews...	—	—	1	—	—	—	1
Torrington Square	—	—	1	—	—	—	1
Tottenham Ct. Rd.	1	—	—	—	—	—	1
Tower Street	1	—	—	1	1	—	3
Twyford Buildings	—	—	—	—	1	—	1
Wild Court ...	—	—	1	—	—	—	1
Wild Street, Great.	1	—	—	2	—	—	3
Wild Street (Pea- body Buildings)..	3	—	—	1	—	—	4
Wild Street, Little	—	—	—	1	—	1	2
Woburn Mews, west	1	—	—	—	—	—	1
Woburn Place ...	—	—	—	—	1	1	2
Total.	43	—	29	11	11	19	113

* Deaths at French Hospital.—Non-parishioners.

TABLE X.

COMPARATIVE ANALYSIS OF THE VITAL STATISTICS IN ALL LONDON, IN ENGLAND AND WALES, AND IN ST. GILES DISTRICT
IN 1891.

	Population 1891.	Births.	Deaths.	Annual rate per 1,000 living.			Deaths from Principal Zymotic Diseases.	Small Pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping Cough.	Fever.	Diarrhoea.	Rate per cent. of uncertified Deaths.	Deaths of Children under 1 year of age to 1,000 Births.
				Births.	Deaths.	Principal Zymotic Diseases.										
St. Giles District.	39,778	1,146	1,092	28.5	27.4	2.9	113	—	43	—	11	29	11	19	0.002	185
London .	4,221,452	134,003	90,216	31.8	21.4	2.2	9,588	8	1,802	577	1,329	2,872	577	2,423	1.0	154
England & Wales.	29,001,018	913,836	587,666	31.4	20.2	1.83	53,221	48	12,287	4,845	4,940	12,920	5,119	13,062	2.7	149