PROJECTED WORKS.—Advertisements have been issued for tenders, by a date not specified, for restorations in clerestory of chancel of St. Mary Redcliffe Church, Bristol; by 24th November, for the restoration of St. Peter's Church, Northampton; by 15th inst., for the rebuilding of Merrington Church; by 6th, for alterations in Presteign Church; by 9th, for the construction of sewers and drains at Southampton; by a date not specified, for the fittings-up of the Corporation Baths at Bristol; and by 8th, for constructing sewer with branches, and for tubular house-drainage, &c., at Southwark.

TO CORRESPONDENTS.

"*Drying-Closets for Oats.*"—A correspondent says,—"Reading an article in THE BUILDER on 'Drying-Closets,' and being about to build a mill for grinding oats, it struck me that some such arrangement would answer much better than the common kilns for drying *oats* before grinding, as, in the common kiln, perhaps nine-tenths of the heat is lost. Probably some of your correspondents would give an opinion on this matter."

"*Constant Subscriber.*" Chatham.—A Fellow of the Institute must be an architect: who has been engaged as principal for at least seven successive years in the practice of civil architecture. To become an Associate, it is necessary to have attained the age of 21, and to be engaged in the study of civil architecture or in practice less than seven years. There is nothing to prevent any man dubbing *himself* architect, and starting a brass-plate to that effect.

W. R.—The variation is itself inconstant. Its amount in winter is scarcely half that in summer, and there is even a considerable daily variation, morning, noon, and night. Attention to this is scarcely necessary in fixing a vane.

Received.—"F. E. C." (stained-glass borders may be used in a conservatory without fear of injuring the plants,—we should employ *blue*, *yellow*, or *green*, rather than *red*). "F.," "Mr. L.," "W. B.," "E. H. M.," "J. W. H.," "*Je L.*" (wire-work for plastering is, we believe, patented by a firm in Birmingham), "J. C. W.," "Mabel," "H. A. J." (we are unable to assist him), "A Subscriber" (next week), "Money for Public Works," "D. R.," "Dr. D." (shall see a proof), "W. S." (Sunderland), "F. L." (apply to the secretary of any such societies for the regulations), "J. O." (thanks; we have sufficient details in hand at this moment), "Col. M.," "G. E.," "M. P.," "A Young Plumber," (we cannot supply prices), "G. N. R.," "J. B. D.," (shall be looked to), "Z.," (shall be brought into view of the building named is in hand), "The Ecclesiastical and Architectural Topography of England," "Buckinghamshire: Oxford and London, J. H. Parker: "Christian Monuments in England and Wales," by the Rev. Charles Boutell (Parts I. and II.); London, George Bell: "Con Gregan, the Irish Gil Blas!" Orr and Co., No. X. (a racy sparkling story, equal to any of Mr. Lever's): "First Three Books of Euclid's Elements of Geometry," by Thos. Tate; London, Longman and Co.

NOTICE.—All communications respecting *advertisements* should be addressed to the "Publisher," and not to the "Editor"; all other communications should be addressed to the EDITOR, and *not* to the Publisher.

"*Books and Addresses.*"—We have not time to point out books or find addresses.

ADVERTISEMENTS.

Open Daily from Eleven to Five, and every Evening, EXCEPT SATURDAY, from Seven till Half-past Ten.

ROYAL POLYTECHNIC INSTITUTION.—Dissolving Views of Rome—Lectures and Experiments with the Hydro-Electric Machine—Lectures on Chemistry, Exhibition of the Oxy-hydrogen Microscope—Diver and Diving Bell.—The Chromatrope. Exhibition of Models and Machinery Admission, 1s.; Schools, half price.

CAMBRIAN IRON FOUNDRY, ENGINE and BOILER MANUFACTORY, Newport, Monmouthshire.—ESTIMATES given for Gas and Water works, Railway Bridges, and other CONTRACTS, to any extent.
Sept. 1, 1858. THOMAS EDWARDS, Proprietor.

IRON FOUNDRY, 80, Goswell-street (late of Brick-lane, St. Luke's).—J. J. JONES having made great additions to his STOCK of PATTERNS, begs to inform the Trade, that he can now supply it with Plain and Ornamental Iron Columns Girders, Railings, Gates, Iron Copings, Balconies, Window Guards, Verandahs, Ornamental Garden Fences, Iron Stoves, Tomb Enclosures, Trellis Panelling, Lamp and other Brackets, Cantilevers, Newel Bars, Water Closet Work, Area Gratings, Fly and other Wheels, Wheel Plates, &c.
BAKERS' OVEN WORK, Dover Racks and Troughs, Rain Water Pipes and Gutters, Bush Weights, Furnace Bars, Stoves, Ranges, &c., always in stock.

TO ARCHITECTS AND BUILDERS.

CHUBB'S WROUGHT-IRON and FIRE-PROOF DOORS and FRAMES, for strong Rooms. A large stock of the above, of all sizes, made in the best manner, and of different strengths, fitted with CHUBB'S PATENT DETECTOR LOCKS, throwing from two to twenty bolts, constantly on sale, at very moderate prices. FIRE-PROOF SAFES of every size, and Patent Detector Locks and Latches for all purposes. C. CHUBB and SON, sole Manufacturers, 67, St. Paul's Churchyard, London.

LEADBEATER, FIRE-PROOF SAFE and DETECTOR LOCK MANUFACTURER TO HER MAJESTY'S BOARD OF ORDNANCE.

CAUTION to Purchasers of FIRE-PROOF DOORS for Strong Rooms, Safes, Chests, and Detector Locks, &c. &c. LEADBEATER, many years manufacturer for Chubb.

LEADBEATER begs most respectfully to inform Architects, Surveyors, Builders, &c. that he can supply them with IMPROVED DETECTOR LOCKS for any use, WROUGHT IRON FIRE PROOF DOORS, SAFES, and CHESTS, on the most improved principles of security against FIRE and THIEVES, without the aid of "expensive machinery," which is employed by some last pretending imitators, but must be paid for at prices 25 per cent. under any other house in London.

LEADBEATER, often UNE HUNDRED POUNDS reward to any person who can pick his improved detector locks or latches. Some thousands of Leadbeater's strong room doors and safes have now been fitting without a SINGLE COMPLAINT, and fifteen years practical experience, during which he has adapted every possible improvement to real security, enables him to challenge competition with any house in London. A large assortment of all sizes on sale and made to order. A pair of extra strong wrought-iron fire-proof folding-doors with ventilating gates, made expressly for a banker's strong room, may be viewed at his manufactory. Strong wrought-iron doors for party walls, with wrought-iron rebated frames, and secured by the BEST DETECTOR LOCK in ENGLAND, 6 feet high by 3 feet 6 inches wide and upwards, price 6s. each, always on hand at LEADBEATER'S MANUFACTORY, 128, ALDERSGATE-STREET, LONDON.

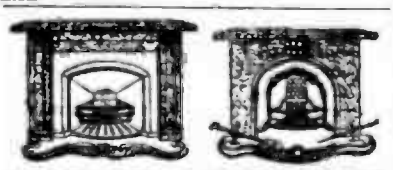
TO ARCHITECTS.—COMPETITION AND OTHER DRAWINGS.

MR. THOMAS S. BOYS, Member of the New Society of Painters in Water Colours, and author of "The Picturesque Architecture of Paris, Ghent, Rouen, &c.," and of "London as it is," offers his services in Finishing Backgrounds, Landscapes, Perspective Views, Interiors, &c. From the long experience he has had in such subjects, he is fully aware of the points essentially necessary to be attended to. Drawings and designs lithographed in a superior manner.—Address, Mr. BOYS, 51, Great Pitchfield-street, Oxford-street.

PROTECTION from FIRE, and GREAT ECONOMY in BUILDING.—A pamphlet, descriptive of the method by which both these important objects are secured, may be obtained on application to Messrs. FOX and BARRETT, 41, Leicester-square.

HOT-WATER APPARATUS.—The attention of architects, builders, and others is respectfully requested to BENJAMIN FOWLER'S superior method of heating churches and chapels, halls, staircases, conservatories, forcing and green-houses, manufactories and warehouses, kilns, rooms for drying timber, &c., and every variety of purposes for which artificial heat is required. Within the last twenty years some hundreds of buildings have been heated upon this plan, and the parties for whom they were executed are constantly expressing their satisfaction, also their willingness to vouch for their efficiency.
BENJAMIN FOWLER, late of 63, Dorset-street, removed to the new factory, Whitefriars-street, Fleet-street.

BURBIDGE and HEALY, 130, FLEET-STREET, LONDON, beg respectfully to inform the Building Public that they fit up COOKING ARRANGEMENTS for large Mansions, with patent appliances on scientific principles, which ensure greater economy and efficiency than hitherto attained. Also HOT WATER APPARATUS, upon improved and scientific principles, which they recommend for its peculiar safety for the Warming of Mansions, &c.
They fit up Laundries with Hot Water Apparatus, for Drying in a cleanly, expeditious, and safe manner. They also fit up BATHS with elegant arrangements, with every modern scientific improvement. Also Apparatus for the plentiful supply of Hot Water for Baths and general use of Mansions and large establishments.



ARCHITECTS and GENTLEMEN building or renovating their houses are respectfully invited to the extensive SHOW-ROOMS of H. CLEMENT, Bath, where the largest collection in England of REGISTER STOVES and MARBLE CHIMNEY PIECES (manufactured by Steam Power) is exhibited. A fullsize Marble Chimney-piece and Register Stove, really good, 30s. Marble Chimney-pieces in great variety, of Statuettes, Dublin, Italian, Grecian, and other styles, from 20s. to 20 guineas. Register Stoves to suit and shown with them, at from 12s. to 20 guineas. Kitchen Ranges, of every description, from 20s. to 60 guineas. Lock and Bell Work done in first-rate style. Goods delivered free on any part of the Great Western line.

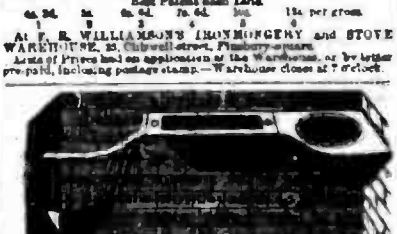
OLD-ESTABLISHED WHOLESALE IRONMONGERY WAREHOUSE, Kitchen-range, and Stove-grate Manufactory, 18, Oxmonsey, Walworth.
JOHN GRICE most respectfully solicits the attention of Architects, Builders, and Carpenters, to his Stock of Black and Bright Stoves, Kitchen Ranges, &c. &c.
Black Registers, from 6d. per in. and upwards.
Bright ditto with Black and Bright Bars, 2d. per in. and upwards.
Self-acting Kitchen Ranges, with Oven and Back Boiler:—
3 ft. 9 in. 3 ft. 9 in.
Ellipse Stoves, with double backs, 3d. per in.
All articles made on the premises and warranted, and delivered free of expense within five miles of London. Bell-hanging in superior style, hung in secret, 4s. per bell.

TO BUILDERS, CARPENTERS, &c.—The undersigned are the PRESENT PRICES of IRONMONGERY, at FOR NOTE, 194, Oxford-street. Every other article equally low. Orders executed upon receipt of remittance or a respectable London reference.

	2	2½	3	Inches
Cast Butts	3s. 3d.	7s. 6d.	11s. per 5 dozen.	
Cut Clasp	5d.	7d.	1s. 2d.	1s. 9d. per
	4d.	6d.	10d.	20d.	1 foot
Nut	3	4	5	8	
Patent Line	4s. 6d.	1s. 3d.	2s. 10d.	11s. per gross
	2	2½	3 Inches.	
Rain Pipe	11d.	1s. 1d.	1s. 3d. per yard	

TO ARCHITECTS, BUILDERS, &c.
HAYWARD, BROTHERS, late R. HENLY and Co., WHOLESALE IRONMONGERS, and Manufacturers of KITCHEN-RANGES, STOVES, &c., 195, Blackfriars-road, and 117, Union-street, Borough.
Strong Self-acting Kitchen Ranges, with Back Boiler and Oven and Wrought Bars:—
3 ft. 8 ft. 3 in. 3 ft. 6 in. 3 ft. 9 in. 4 ft.
£3. £4. £4. 10s. £4. £4. 10s.
Henly's Patent Improved, with back Boiler and Wrought Iron Oven:—3 ft. 3 ft. 6 in. 3 ft. 6 in. 3 ft. 9 in. 4 ft.
£3. £4. 10s. £4. £4. 10s. £5.
Best Register Stoves, at 7d., 8d., and 9d. per inch.
Do. Ellipse do. at 8d., 9d., and 10d. per inch.
Manufacturers of WOLFANTON'S PATENT REGISTER STOVES, a certain cure for SMOKY CHIMNEYS, and effecting a great saving in fuel. To be seen in use daily.
Orders from the Country, accompanied with a remittance or reference, will meet with prompt attention.

TO BUILDERS and CARPENTERS.—Ellipse Stoves, double backs, 3d. per inch. Registers, 6½d. 7d., 8d. per inch.
Cottage Ranges, with Ovens and Boilers, 2 ft. 2 in. 6s.; 2 ft. 6 in. 6s.; 3 ft. 6 in. 6s.
Self-acting Ranges, with Circular Oven and Back Boiler, best Wrought Bars and Bright Fittings.
2 ft., £3. 12s. 3 ft. 6, £4. 7s. 6 ft., £5. 12s.
Best Patent Cut Clasp.
4d. 5d. 7d. 10d. 1s. 2d. 1s. 9d. per 1,000
2d. 3d. 4d. 5d. 10d. 20d.
Best Sheet Floor Brads, 10s. 6d. per cwt.
Best Town Glue 40s. Dry Rosin, 22s. per cwt.
Best Patent Rain Lead.
4s. 2d. 5s. 6s. 6d. 7s. 6d. 9s. 12s. per gross
1 2 3 4 5 6
At R. R. WILLIAMSON'S IRONMONGERY and STOVE WAREHOUSE, 23, Chiswell-street, Finsbury-square.
Lists of Prices had on application at the Warehouse, or by letter pre-paid, inclosing postage stamp.—Warehouse closes at 7 o'clock.



SAMUEL HOOD and Co., Castings Warehouse, 81, Upper Thames-street. REGISTERED STABLE FITTINGS. Economical Mangers, with double log-racks, of pale enamelled water pattern on one side.

BRITISH MUTUAL LIFE OFFICE.—The Public are invited to examine for themselves the advantages gained for Assurers by the plan on which policies are granted by this Office.—Apply to CHARLES JAMES THICKE, Secretary, 17, New London-street, Blackfriars.

ARCHITECTS', BUILDERS', and GENERAL FIRE and LIFE INSURANCE COMPANY, 69, Lombard-street, London.
CHAIRMAN, SYDNEY SMIRKE, Esq., A.R.A.
TRUSTEES.
T. L. Donaldson, Esq. | A. Salvin, Esq., F.S.A.
S. Ormsdall, Esq. | G. Smith, Esq., F.S.A.
The rates for both Fire and Life Insurances are as low as can with safety be taken. Those for Life Insurance may be paid either yearly, half-yearly, or quarterly; one-half the annual premium may be left unpaid for seven years, or one-third to the end of life. Thus large sums may be insured at the smallest present outlay.
Prospectuses, forms of proposals, &c., may be had at the Office, 69, Lombard-street, or of the agents.
JOHN REDDIE, Manager.

VICTORIA LIFE ASSURANCE COMPANY, 18, King William-street, City.
Insurance to many of the Colonies allowed without additional charge, and the premiums required for the East or West Indies and other extra risks, is more than usually moderate.
On policies taken out for the whole term of life, one-third of the annual premiums may remain unpaid till death, thus parties are enabled to effect an Insurance, say for 1,200l., by the payment of premium on 800l. only.
The half-credit system for five years is also adopted.
Four fifths, or 80 per cent. of the entire profits are appropriated to assurers entitled to share therein.
Advances continue to be made to assurers on eligible property or reversions, and also on the guarantee of most unexceptionable personal sureties.
WILLIAM RATRAY, Actuary and Secretary.

NATIONAL LOAN FUND LIFE ASSURANCE SOCIETY, 26, Regent-street, London. Capital, present, Empowered by Act of Parliament.
The leading features of the Society are—Guarantees of an ample proprietary capital. Moderate rates of premium. Two-thirds premium lended to the assured. Annual division of profits. Half the premium may remain as a loan for five years. Extensive travelling leave granted without extra premium. Moderate extra premium for residence in tropical climates.
N.B. The last annual bonus to the assured varied from 2l. to 6l. per cent. according to age on the premiums paid.
For prospectuses, with detailed information, apply at the office, or any of the branches, by post or otherwise.
W. S. B. WOOLHOUSE, Actuary.

UNION ASSURANCE OFFICE (Fire, Life, Annuities, Cornhill and Bakers-street, London; College-green, Dublin; and Esplanade, Hamburg. Instituted A.D. 1714.
CHAIRMAN—WILLIAM NOTTIDGE, Esq.
DEPUTY-CHAIRMAN—NICHOLAS CHARRINGTON, Esq.
Detailed Prospectuses of the extended system of Life Insurance (in case over temporary payment of only two-thirds of the premium) may be had gratis.
Loans granted on the policies of this office.
The system of Mutualising Profits on Fire Insurances was adopted at the foundation of the Union Society, in the year 1714.
Agents desired in places where none are at present appointed.
Peter Cole, THOMAS LEWIS, Secretary.
The LIFE BONUS of the year 1858, of two-thirds of the profits of the Life Department, has been this day declared, and with the exception of a reserve of 20 per cent. accumulate towards the next bonus, is ready to be applied upon and with the sum insured, or the value received in cash.

SERVANTS' PROVIDENT and BENEVOLENT SOCIETY.
Patronesses—Their Majesties the QUEEN and the QUEEN DOWAGER.
Patron—His Royal Highness Prince ALBERT.
President—The Bishop of LONDON.
Treasurers—Thomas Cloete, Esq., Ordnance Office, Pall mall; and Harry Chester, Esq., High-gate.
Its objects are—
1. That servants should prepare for themselves a certain provision in old age on Government security, for their children a sum of money at 14 or 21 years of age; and for their own burial a sum payable at death.
2. That a home for female servants out of place, where the number of women may be saved from ruin, and also a special lodging house for male servants and sleepers at their masters' houses, out of place, should be established and maintained.
3. That a separate register for female and male servants be attached to the house and lodging-houses.
For the accomplishment of these objects, which are equally important to masters and servants, donations and subscriptions are earnestly solicited, and will be received by the Treasurers, Messrs. Hoare, Fleet-street; Messrs. Barclay and Co., Lombard-street; Messrs. Hopkinson and Co., Regent-street; and by the Secretary, to whom all communications should be addressed.
GEORGE GRANT, Secretary.
Office, 6, Cork-street, Burlington-street.

FAMILY ENDOWMENT, LIFE ASSURANCE AND ANNUITY SOCIETY, 18, Chancery-lane, Westminster, London.
CAPITAL £500,000.
DIRECTORS.
WILLIAM BUTTERWORTH BAYLEY, Esq., Chairman.
JOHN FULLER, Esq., Deputy-Chairman.
Lewis Sommerville, Esq. | Edward Law, Esq.
Mathew Bruce Cumberland, Esq. | Frederick Fuller.
H. R. Henderson, Esq. | Walter Thomas.
G. H. Lamonby, Esq. | Joshua Walker, Esq.
BONUS.
Thirty per cent. Bonus was added to the Assurers' Policies on the profit made in 1854. The next valuation will be in January, 1861.
ANNUAL PREMIUM WITH PROFITS.

Age 10	Age 20	Age 30	Age 35	Age 40	Age 45	Age 50	Age 55
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1 17 2	2 2 3	2 3 3	2 5 3	2 8 3	2 12 3	3 16 3	4 7 3

Annuities of all kinds, as well as endowments for Children, are granted by the Society.
The usual commission allowed to Solicitors and others.
INDIA.
The Society also grants Policies to parties proceeding to or residing in India, at lower rates than any other office; also Deferred Annuities and endowments, accurately and commonly adjusted to meet the periods of services, and adapted to the returns to income of the Civil and Military Officers of India.
Tables may be had at the Society's Office in London, or at the Office in Calcutta.
JOHN CAZENOVE, Secretary.

TO CONTRACTORS, AND BUILDERS.
CLAYTON, SHUTTLEWORTH and Co. beg to call attention to their PORTABLE STEAM-ENGINES, so admirably adapted for working thrashing-mills, sawing, pumping, &c., in fact, for every purpose to which steam of horse power can be applied these engines will be found to effect a great saving, as well as expedite the work. They may be set up and efficiently managed by any man in the country. The 5-horse power will not consume more than 5 cwt. of coal per day, and, being fixed upon wheels, requires only one horse to move it from place to place, and can, after its arrival, be set to work in the course of one hour. Engines of 3, 4, 5, 6, 7, 8, 10-horse power can be delivered in a fortnight from date of order.
Stamp-end Iron Works, Lincoln.
C., S. and Co. beg to submit the following testimonials:—
"Peterborough Docks, Construction Office,
"8th July, 1858.
"Gentlemen,—In reply to your inquiry, as to how the Portable Engines we have had from you will do, we have to say that they give us entire satisfaction, and far exceed our most sanguine expectations respecting them. Our opinion of them for sawing, pile-driving, pumping, &c. is, in fact, for the general uses that contractors can apply engines to, so good, so far as anything of the sort that we have seen, that cannot be surpassed, either for doing the same quantity of work with the least quantity of fuel or for little expense in keeping them in repair.—We are, Gentlemen, Yours truly,
"JOHN CRAVEN and SON."
"To Messrs. Clayton, Shuttleworth and Co.,
Engineers, &c., Stamp-end Works, Lincoln."

To learn how to use PDF Compression and OCR visit our website