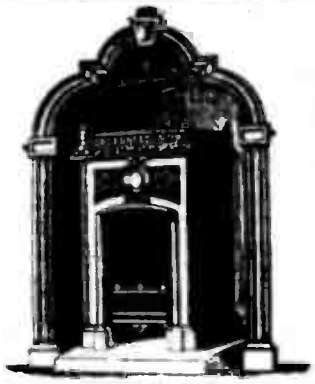


IMPORTANT IMPROVEMENTS IN WARMING AND VENTILATING

CHURCHES, CHAPELS, INFANT AND OTHER SCHOOLS, PUBLIC BUILDINGS, PRIVATE DWELLINGS, &c. &c.

PIERCE'S PATENT PYRO-PNEUMATIC STOVE GRATE

Is SELF-ACTING, and combines SUMMER WARMTH, PERFECT VENTILATION, SIMPLICITY OF ARRANGEMENT, NOVELTY OF PRINCIPLE, and ELEGANCE OF DESIGN, which, with great ECONOMY IN USE, renders this GRATE suitable for any situation where a POWERFUL DEGREE of WARMTH and the CHEERFUL OPEN FIRE are desirable.

PIERCE having at length succeeded in producing that long-sought desideratum—a HEALTHFUL AND SALUBRIOUS atmosphere, such as is felt on a pleasant summer's day, which can, by means of this his Patent Pyro-Pneumatic Stove Grate, be enjoyed during the most dull and dreary of our winter months. The above invention is specially adapted for warming churches, infant and other schools, railway offices, entrance halls, banking houses, &c. &c., or any situation where warmth and purity of air are desirable.

IT MAY BE SEEN IN DAILY USE AT THE PATENTEE'S MANUFACTORY, 5, JERMYN-STREET, REGENT-STREET;

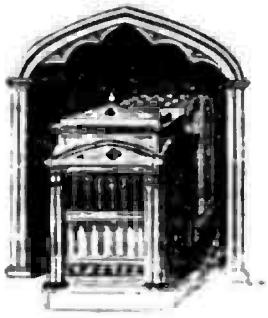
Also at the POLYTECHNIC INSTITUTION; the UNIVERSITY HALL, GORDON-SQUARE; the new OSTRICH and GIRAFFE HOUSES of the ZOOLOGICAL SOCIETY, REGENT'S-PARK; the large MODEL ROOM of the SOCIETY OF ARTS, JOHN-STREET, ADELPHI, where, after a lengthened trial of it in daily use, the Council awarded their large silver Medal for the invention.

PIERCE'S PRACTICAL EXPERIENCE (of upwards of thirty years) during the whole of which time he has been actively engaged in WARMING and VENTILATING PUBLIC BUILDINGS and PRIVATE MANSIONS of all descriptions by his Improved Method of HEATING with HOT WATER, also his ECONOMICAL RADIATING STOVE GRATES, which are elegant and effective, enable him to recommend this PYRO-PNEUMATIC GRATE with the utmost confidence,—the Air breathed from which has all the FRESHNESS and PURITY of the EXTERNAL ATMOSPHERE, and consequently the serious evils the want of which has so long been felt, of some method whereby the houses of all, both rich and poor, might be alike rendered healthful.

PIERCE'S MANUFACTORY AND SHOW-ROOMS, 5, JERMYN-STREET.

Where innumerable Testimonials and References can be given.

N.B. THE TRADE SUPPLIED, AND A LIBERAL DISCOUNT ALLOWED.



FOR CHURCHES, CHAPELS, SCHOOLS, WAREHOUSES, PRIVATE DWELLINGS, &c. &c.

HOTT'S PATENT STOVES,

After TWENTY YEARS' TRIAL, still maintain their decided superiority. They give twice as much heat as any other stove, with a smaller consumption of fuel; they burn for eight or ten hours without replenishing; they do not generate offensive and dangerous gases; and they have, when lighted, a very

BRILLIANT AND CHEERFUL APPEARANCE FROM THEIR TRANSPARENT FRONTS.

By the addition of a BOILER and HOT-WATER PIPES, they may be made to heat, at the same time, PRIVATE APARTMENTS, CONSERVATORIES, &c. They are made in various sizes and patterns, and the PRICES have recently been GREATLY REDUCED.

A STOVE AT TWELVE GUINEAS, AS SHEWN AT SIDE, WILL WARM A SMALL CHURCH.

Two or three hundred references can be furnished on application; only a few can be mentioned here, viz.:—

St. Saviour's Church, Southwark.
Christ Church, Westminster.
Trinity Church, Brompton.
Old St. Pancras Church.
Christ Church, Hoxton.
St. Vedast's, Foster-lane.
Portman Chapel, Baker-street.
The Pantheon, Oxford-street.
National Debt Office, Old Jewry.
Picture Gallery, Knightsbridge (late Colnaghi's Exhibition).
Religious Tract Society, St. Paul's Churchyard.
Mr. Parker, West Strand.
Mr. Gilbertson, Ludgate-hill.
Messrs. Perkins and Bacon, Fleet-street.
Messrs. Ridgway and Co., King William-street.
St. Pancras National Schools.
Finsbury Charity Schools.
Stepney Grammar School, &c. &c.

J. L. BENHAM AND SONS, 19, WIGMORE-STREET, CAVENDISH-SQUARE, PATENTEES.

N.B. Also, a Large Stock of Arnott's, Cundy's, Chesterman's, Joyce's, Walker's, Chunk, Suspension, and other Patent Stoves.

SYLVESTER'S GRATES.—These Grates do not now require either description or recommendation, their unequalled comfort and economy in fuel having been tested with perfect satisfaction by numbers of the nobility and first families in the kingdom.

The improvements recently patented do away with the necessity of an ash-pit, and obviate all difficulty in fixing. They are made in every style of elegance, from the specimen exhibited by the Society of Arts in London in 1848 and in the Birmingham Exhibition of this year, down to the most inexpensive form for a bedroom.

May be had from the Manufacturers, through the Ironmongers generally in town and country.

PATENT WROUGHT NAILS.—These Nails are submitted to the notice of Builders, Contractors, and Shipbuilders, as being superior to any others, and cheaper. They have the toughness of the best hand-made nails, with far greater uniformity of make. The flat pointed rose nails are particularly recommended wherever oak or other hard wood is used: being perfectly chisel-pointed, they require no boring, and will drive into the hardest wood without splitting it, and their heads being very strong do not fly off. The patent wrought nails may be had of all iron mongers, and an ample stock of them is kept at the warehouses of the agents, HIGGS and GEORGE, Wholesale Ironmongers, 27a, Borough, London.

TO GAS AND WATER COMPANIES, ENGINEERS, AND CONTRACTORS.

ANDREW M'LAREN & Co., Ironfounders, STEEL YARD WHARF, UPPER THAMES-STREET, have always on hand a large STOCK of SOCKET PIPES of all sizes with the usual connections. Returns, columns, girders, and all description of castings contracted for.

Their stock of goods for GENERAL IRONMONGERS is unequalled for variety and lowness of price: comprising, range, fender, and elliptic metal and stoves, rain-water pipes, O G, and half-round gutterings, sash-weights, railing bars, panels, bakers' oven work, oak traps, air bricks, water closet metal, &c. &c.

Printed list of prices, and books of drawings for the use of ironmongers, forwarded on application.

TO GAS AND WATER COMPANIES, CONTRACTORS, ENGINEERS, BUILDERS, PLUMBERS, &c.

J. JONES, Iron Bridge Wharf, No. 6, Bankside, London, keeps a large stock of the following CAST-IRON PIPES AND CONNECTIONS, at prices as low as any house in London:—Gas and Water Pipes, Bends, Branches, Syphons, Tees, &c., Reverts and Lamp-posts, Hot Water and Flange Pipes, Rain-water Pipes, Half-round and O G Gutters, Pans and Wrought-iron work for cable fittings, viz.:—Mangers, Hay racks, Rasping, Ville, Truss, Stable Gutters, Gratings, &c. Railing Bars, Sash Weights, Air-bricks, Coal Plates, Tile-lights, Barrow Wheels, &c. The above castings are of the best quality.

Iron Bridge Wharf, No. 6, Bankside, London.

IRON FOUNDRY, 80, Goswell-street (late of Brick-lane, St. Luke's).—J. JONES having made great additions to his STOCK of PATTERNS, begs to inform the Trade, that he can now supply them with Plain and Ornamental Iron Columns Girders, Railings, Gates, Iron Fronts, Balconies, Window Guards, Verandahs, ornamental Staircase Panels, Iron Staircases, Trash 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, Forge Backs and Troughs, Rain Water Pipes and Gutters, Sash Weights, Furnace Bars, Stoves, Ranges, &c., always in stock.

IRON FOUNDRY,
68, DRURY-LANE, and CHARLES-STREET, DRURY-LANE
JOSEPH GLOVER,

Solicits the attention of the Trade to his extensive Stock of PATTERNS for CASTINGS of EVERY DESCRIPTION, consisting of those for every purpose, either structural or ornamental.

Wheel Plates and Steam Engine Patterns; Range Stove and Hot Plate Work.

A stock of Rain-Water Pipes, Plain and O G Guttering, Air Bricks, Sash Weights, &c. &c.

A very superior description of Sand Door, particularly suitable for internal work, being perfectly secure, and not unsightly.

ESTIMATES given for IRON ROOFING and every description of Iron work, complete to specification, and the work executed with every attention to quality and despatch.

GLOVER'S FOUNDRY,
68, DRURY-LANE, and CHARLES-STREET.

LONDON SAWS and TOOLS.—J. V. HILL, successor to the late J. HOWELL, begs to express his thanks to the trade and the consumers of the above articles, for the support they have given him for the last seventeen years, and to remind his friends that he has always on hand a large stock of TOOLS of the very best description. Printed lists of prices will be forwarded, per post, on application. A liberal allowance to engravers. The TRADE is most supplied at wholesale prices. His SAWS are still marked HILL, late HOWELL, and are to be had of Ironmongers and plane-makers in the following towns, viz.:—Reading, Wallingford, Bath, Bristol, Exeter, Woolwich, Chatham, Canterbury, Margate, Ramsgate, Dover, Brighton, Lewes, Winchester, Hitchin, Bedford, Birmingham, Nottingham, Manchester, Liverpool, Carlisle, Jersey, and one of most wholesale Ironmongers in London.—Application for list of prices and terms to J. V. HILL, 5, Chichester-place, Gray's Inn-road.

THE GALVANIZED IRON COMPANY,
No. 2, Mansion-house-place,

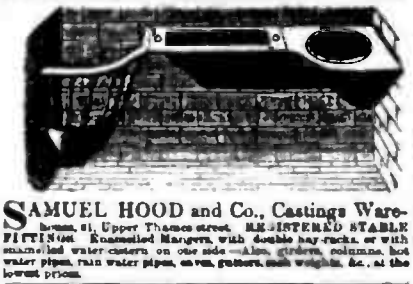
Call the particular attention of Architects, Builders, and others, to their patent process of galvanizing, or coating iron with PURE ZINC, which, from its action being chemically true, effectually and PERMANENTLY prevents RUST. The process is applicable to all sorts of iron work (whether cast or wrought) in use for building purposes, such as ROOFS, gutters, girders, floors, WATER or GAS-PIPES, railings, window sashes and guards, blinds, skylight frames, chimney cowls, cisterns, screws, nails, locks, keys, chains, wire guards, &c. &c. The Company undertake to supply GALVANIZED IRON, or to GALVANIZE every description of iron work, in any quantity required.—Particulars and prices at the Offices of the Company, 2, Mansion house-place, London (Galvanizing Works, Millwall, Poplar).

G. VINCENT, Secretary.

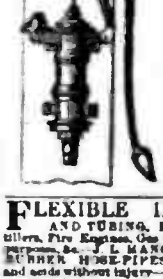
N.B. This Company's patent process is applied to the roofs of the New Houses of Parliament, the sheds in the dockyards at Woolwich, Portsmouth, and Devonport, the Waterloo Station belonging to the London and North-Western Railway Company at Liverpool, and numerous other railway stations, &c., &c., with the most perfect success.

IRON ROOFING WORKS,
SOUTHWARK.
Office,—4a, Mansion-house-place, London.
JOHN H. PORTER,
PATENTEE
Of the Corrugated Iron Bonding, Gardens, and Fire-proof Floors;
MANUFACTURER OF IRON ROOFS AND BUILDINGS,
Chiefly of
THE PATENT GALVANIZED IRON.

This material has been employed by J. H. PORTER for several years past in the construction of Iron Roofing for RAILWAY STATIONS and DEPÔTS, as home and abroad; PARK BUILDINGS, PAVILIONS, GARDENING, WAREHOUSES, &c.; SUGAR-HOUSES, MEWS and CORRUGATED IRONS, HORSE DWELLINGS, and MARKET-PLACES, in the East and West Indies, China, at the Cape of Good Hope, and in other parts of the world; Iron-bar and Stranded-wire Fences, Sheep and Cattle Hurdles.



SAMUEL HOOD and Co., Castings Warehouse, 81, Upper Thames-street, RE-LISTERED STABLE FITTINGS, Ramshead Mangers, with double hay-racks, or with enamelled water-casters on one side—Iron gardens, palisades, hot water pipes, rain water pipes, eaves, gutters, sash weights, &c., at the lowest prices.



TO BUILDERS AND PLUMBERS

THE attention of the Trade is called to JOHN WARNER & SONS' PATENT WELL-BORING STANDARD PUMP, which is recommended for the simplicity of its construction, and the ease with which it works.

By the introduction of the vibrating standard the cumbrous carriage and expensive slings and guides are unnecessary, rendering the pump considerably less than pumps made on the old plan.

Deep and Water Engines for raising fluids from a depth not exceeding 21 feet; also, Garden Engines constructed on the same principle.

JOHN WARNER & SONS,
4, Cornhill, Jewin-street, London,
Manufacturers and Patentees.

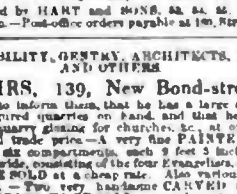
FLEXIBLE INDIA-RUBBER PIPES AND TUBING, For Railway Companies, Brewers, Distillers, Fire Engines, Gas Companies, Gardening and Agricultural purposes, &c.—J. L. MANOUCK'S patent VULCANIZED INDIA-RUBBER HOSE-PIPES are made to stand hot liquor, and acids without injury—do not become hard or stiff in any temperature (but are always perfectly flexible) and as they require no application of oil or tallow, are particularly well adapted for Fire Engines, Pumps, Gas, Beer Engines, Gardens, Liquid Manure, and all purposes where a perfectly flexible pipe is required. Made of sizes from 1 inch bore upwards, and of any length to order. Vulcanized India-rubber garden hose fitted with brass taps, copper bell-mouth and rose complete, ready to be attached to pumps, water-butts, or cisterns. Sole manufacturer JAMES LYNE HANCOCK, Goswell-street, Goswell-road, London.

N.B. Vulcanized India-rubber washers of all sizes for joints or hot-water and steam pipes, and vulcanized sheet rubber any thickness for all kinds of joints, and other purposes.

STEVENS'S PATENT SMOKE DIFFUSER, which has never failed to prevent chimneys smoking in every instance in which it has been used. Registered May 17, 1848, A & S and 7 Vict., cap. 65, No. 1,021. Invented and manufactured by HENRY R. STEVENS, Newmarket. Delivered, in London as under:—Patent Smoke Diffuser, in zinc, 21 in.; ditto ditto, in patent galvanized iron, 21 in. A liberal allowance to the trade. Sole London Agent, Mr. GEO. OSMOND, 19, Somer's-place east, St. Pancras.

DR. ARNOTT'S VENTILATING CHIMNEY VALVE.

With internal movements, and all the latest improvements.



Constructed for the ventilation of apartments generally.

REDUCED LIST OF PRICES.

	First size, 11 by 8.	Second size, 14 by 9
Plain Iron Valve	6 0	9 6
Bronzed and Lacquered	7 0	10 6
Japanned, white with Gold lines	11 6	16 6
Ditto with Trellis work	17 6	25 6
Brass Front, bronzed or laquered	13 6	19 6
Ditto with Trellis work	19 0	27 0

Ventilators of any description made to order.

Manufactured by HART and SONS, 85, 84, 85, Wych-street, Strand, London.—Post-office orders payable at 189, Strand.

TO THE NOBILITY, GENTRY, ARCHITECTS, BUILDERS AND OTHERS.

T. FAIRS, 139, New Bond-street, begs leave to inform them, that he has a large assortment of stained and figured quarries on hand, and that he can execute stained glass quarry glazing for churches, &c., at one third less than the usual trade price. A very fine PAINTED CHURCH WINDOW, in six compartments, each 9 feet 5 inches high, and 2 feet 8 inches wide, consisting of the four Evangelists, St. Peter and St. Paul, TO BE SOLD at a cheap rate. Also various pieces of old Painted Glass.—Two very handsome CARVED STATUARY CHIMNEY PIECES, TO BE SOLD a great bargain. Any gentleman wanting such things, should not miss the opportunity of seeing them at the above address.

FAIRS and CO.'S PATENT VENTILATORS are strongly recommended by the faculty: they will be found a very great preservative to health in being applied to bedrooms in all close and confined towns, supplying plenty of pure air, without the annoyance of dust or soot. They will be found most serviceable where gas is introduced into the house, and a very great preventative to cholera and all epidemic diseases.—Orders sent to the above address, or to the Manufactory, 13, Gillingham-street, Pimlico, will be punctually attended to.

ILLUSTRATED TRADE LISTS, price 2d., or free by post for four stamps, containing much information useful for REFERENCE, also TESTIMONIALS respecting a MATERIAL which, when well wrought, is probably superior to every other for drains or conduits (as glass, or artificial stone), corridors, for ridges, hips, valleys, and every part of roofs, for plain or moss-carved parting, for erecting sea-walls and other strong works, &c. To be had GENUINE of THOMAS PEAKE (proprietor of "Peake's Terro-Metallic"), No. 4 Wharf, City-road Basin, London; also, at the Tilleries, Tunstall, Staffordshire. Articles would be supplied to any extent, and despatched to any part of the world. The lists contain prices by measure as well as by number. Letters to be prepaid, and to say if the London or Staffordshire prices are wanted.

SANITARY IMPROVEMENT.—Pestilential exhalations arising from Gully Holes, Sewers, Drains, Cesspools, &c., are effectually prevented by the use of "BENNETT'S PATENT SELF-ACTING and SELF-CLEANSING EFFLUVIA TRAPS," which are the only really practical means of obtaining that object. Great numbers have now been used in various parts of the kingdom with uniform success. The many highly satisfactory testimonials received by the patentees, with explanatory drawings, prices, &c., may be had (or forwarded by post), at the office, 38, Lombard-street, where the traps may be seen in action.—Sold by the principal ironmongers in town and country.

INVENTORS AND PATENTEES OF SELF-ACTING DOUBLY TRAPPED WATER-CLOSETS.

(A most successful combination of the above principle with other patented improvements.)

Messrs. BUNNETT and Co. are willing to contract with the committees of towns, parishes, public or private works and establishments, on advantageous terms, for making proper arrangements, and putting down their PATENT SELF-ACTING EFFLUVIA TRAPS, with or without gratings, and will guarantee their fully answering the purpose intended, and undertake to keep them in perfect working order for any period.

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