

TO CORRESPONDENTS.

W. P., of N. Y.—You are a plain sensible farmer, and ask sensible questions. You remark correctly that some who write on agricultural subjects show remarkable ignorance by dealing in indefinite technicalities. You ask about manures—our opinion about the best kind. Our advice is, that every farmer, should be able to make as much for himself, in his own barn yard, as will keep his farm in proper condition. Barn-yard manures, taking care to save the liquid part, is the cheapest kind. With a rotation of crops, summer fallowing, the use of lime, and a proper stock of animals; no farmer need expend much in purchasing artificial manures.

T. D., of Ala.—We do not think your plan for a steam boiler possesses patentable novelty; corrugated iron has been used in almost every variety of form for a like purpose, with the size of corrugations varied almost indefinitely. E. M. S., of N. Y.—We know of no patent on any substance for making eylets for any purpose. C. L., Jr., of Ct.—A sash catch operating substantially like yours, has been long in use. The objection to them is, that too much of the frame has to be cut away. Your plan is not patentable.

American and Foreign Patent Agency.

IMPORTANT TO INVENTORS.—MESSRS. MUNN & CO., 128 Fulton street, New York, Publishers and Proprietors of the SCIENTIFIC AMERICAN, having for many years been extensively engaged in procuring Letters Patents for new mechanical and chemical inventions, offer their services upon the most reasonable terms. Patents promptly secured in the United States, Great Britain, France, Belgium, Holland, Austria, Russia, Spain, and in all countries where they are granted.

JOHN PARSHLEY, NEW HAVEN, Conn. Manufacturer of Machinists Tools. Has on hand, and is finishing, all sizes of Engine and Hand Lathes, Iron Planers, Upright Drills, Bolt and Gear Cutters, Universal and Scroll Chucks of the best quality and latest style, at extremely low prices for approved paper, and still lower for cash.

POWER PLANERS.—Persons wanting Iron Planers of superior workmanship, and that always give satisfaction, are recommended to the New Haven Manufacturing Co., New Haven, Ct.

MACHINISTS' TOOLS.—Meriden Machine Co. Have on hand, at their New York Office, 15 Gold st., a great variety of Machinists' Tools, Hand and Power Punching Presses, Forging Pumps, Machine Belting, &c., all of the best quality. Factory West Meriden, Conn.

NO LET.—Light Rooms with steady power, on Canal Elm, and Walker, streets, at very low rates. Situation central. Engine, buildings, and occupants first class. Facilities for exhibiting new machines, by Mr GAUDU 102 Walker st.

ANDREWS & JESUP.—Commission Merchants. Cotton and Woolen Machinery, Steam Engines, Machinists Tools, Belting, &c., Importers and Dealers in Manufacturer's Articles, No. 97 Pine st., N. Y.

IMPROVED PORTABLE CIRCULAR Saw Mills. Manufactured by W. HERRICK, near the Depot, Northampton, Mass. N. B. Saw Mandrills, Saws, improved Saws and Upsets furnished and warranted. Orders filled for any part of the United States. 27 10*

SMITH'S WATER-TUYERES.—Prosser's Patent. These Tuyeres are made of wrought-iron, and are warranted not to crack by the most intense heat. Also Water-backs and Tables, for kitchen ranges, hotels, and restaurants, &c., requiring a constant supply of hot water. THOS. PROSSER & SON, 23 Platt st., New York.

STAVE DRESSER AND JOINTER.—For tight work decidedly the best and cheapest in use. Machines can be seen in operation at SHAW & KIBBEE, Shook Manufacturing, Buffalo, N. Y., and models may be seen at the office of the agent, JAMES S. POLKHEMUS, 117 Pearl street, New York, to whom, or to the patentees, H. & L. D. HOWSON, Jackson St. Machinists Co., Factory communications may be addressed.

1855—WOODWORTH'S PATENT Planing, Tonguing, and Grooving Machines.—The subscriber is constantly manufacturing, and has now for sale the largest and best assortment of these unrivaled machines to be found in the United States. Prices from \$85 to \$1450. Rights for sale in all the unoccupied Towns in New York and Northern Pennsylvania, JOHN GIBSON, Planing Mills, Albany, N. Y.

NEW HAVEN MFG CO.—Machinists' Tools. Iron Planers, Engine and Hand Lathes, Drills, Bolt Cutters, Gear Cutters, Chucks, &c., on hand and finishing. These Tools are of superior quality, and are for sale for cash or approved paper. For cuts giving full description and prices. Address, "New Haven Manufacturing Co." New Haven, Conn.

MACHINE GROUND CIRCULAR SAWS.—Patent applied for. Mill men would do well to try these saws, they are perfectly free from thin or thick places, can be used thinner and with less set, and run faster than any other saws hitherto made. All saws cut true. Warranties warranted perfectly true. HENSHAW & CLEMSON, 31 Exchange street, Boston.

IRON PLANERS.—Of various sizes and superior workmanship on hand and finishing. For sale for cash. We confine ourselves solely to building Planers, and can warrant every machine, Lathes, Drills, Gear Cutters, Chucks, &c., of the best quality, furnished at very low prices. Address THOMPSON, SKINNER & CO., New Haven, Conn.

CLIPPER AMONG THE MONTHLIES.—The Maritime Magazine, devoted exclusively to Maritime Enterprises, embracing shipbuilding, commerce, navigation, and marine engineering, enlarged 96 pages. This work contains draughts of some of the finest vessels of the age, with other engravings, and is one of the most valuable publications in the country. Terms, single copies \$5 per annum, or \$2.50 per volume. Club Rates.—Five copies for \$20; thirteen copies for \$45. Sample copies sent when ordered, addressed GRIF FITHS & BATES, Editors and Proprietors, 115 and 117 Nassau st., New York.

NEEDLE-POINTED CARD CLOTHING.—FOR Garding Plax, Tow, Hamp, and Jute. English Leather and Wire wanted. Also improved Cotton Willows and Pickers. RICHARD KITSON, Manufacturer, Lowell, Mass.

TECHNICAL DICTIONARY.—In the English, French, and German Languages; by Messrs. Tölghausen and Gardissal, Civil Engineers. Ready (part) French, English, German, price \$18; (second part) English, French, German, price \$18. These volumes are designed for the general use of Engineers, Artists, Manufacturers, Foremen, Artisans, in short, of all those who, in some way or other are concerned in Arts and Manufactures. The present work is the key through which the foreign reader may penetrate into a language which he may know but imperfectly; it is the instant and complete translator of the corresponding technical term, or its equivalent, in the three great industrial languages. For sale at this office.

HARRISON'S GRAIN MILLS.—Latest Patent.—\$1000 reward offered by the patentee for their equal. A supply constantly on hand. Liberal Commission paid to agents. For further information address New Haven Manufacturing Co., New Haven, Conn., or to B. C. HILLS, our agent, 12 Platt Street, New York.

1855—D. W. WHITING, Forwarding and Commission Merchant, Buffalo, N. Y.—Particular attention given to manufacturers' goods and wares, and shipped at the lowest rates by any line, as directed. Mark plainly, "care D. W. WHITING, Buffalo, N. Y."

NORCROSS ROTARY PLANING MACHINE.—The Supreme Court of the U.S., at the Term of 1853 and 1854, having decided that the patent granted to Nicholas G. Norcross, of date Feb. 12, 1850, for a Rotary Planing Machine for Planing Boards and Planks, is not an infringement of the Woodworth Patent. Rights to use N. G. Norcross's patented machine can be purchased on application to N. G. NORCROSS, 208 Broadway, New York. Office for sale of rights at 208 Broadway, New York; Boston, 27 State street, and Lowell, Mass.

A. B. ELY Counsellor at Law, 53 Washington st., Boston. will give particular attention to Patent Cases. Refer to Messrs. Munn & Co., Scientific American.

VAIL'S CELEBRATED PORTABLE STEAM Engines and Saw Mills, Bogardus' Horsepowers, Smut Machines, Saw and Grist Mill Irons and Gearings, Saw Gummers, Ratchet Drills, &c. Orders for light and heavy forging and castings executed with dispatch.

ON THE PETITION OF HIRAM DILLAWAY, of Sandwich, Mass., praying for the extension of a patent granted to him on the 21st Aug., 1841, for an improvement in the construction of molds for pressing glass, for seven years from the expiration of said patent, which takes place on the 31st day of August, 1855—

It is ordered that the said petition be heard at the Patent Office, on Monday, the 5th of August next, at 12 o'clock M.; and all persons are notified to appear and show cause, if any they have, why said petition ought not to be granted. Persons opposing the extension are required to file in the Patent Office their objections, specially set forth in writing, at least twenty days before the day of hearing; all testimony filed by either party to be used at the said hearing must be taken and transmitted in accordance with the rules of the office, which will be furnished on application.

The testimony in the case will be closed on the 26th of July; depositions, and other papers relied upon as testimony, must be filed in the office on or before the morning of that day; the arguments, if any, within ten days thereafter. Ordered also, that this notice be published in the United States Patent Office, and in the Washington, D. C.; Daily Republican, Baltimore; Pennsylvania, Philadelphia, Pa.; Scientific American, New York; and Post, Boston, Mass., once a week for three successive weeks previous to the 5th day of August next, the day of hearing.

S. T. SHUGERT, Acting Commissioner of Patents.

P. S.—Editors of the above papers will please copy and send their bills to the Patent Office, with a paper containing this notice.

THE CHEAPEST HORSE POWER KNOWN. Patented April 1st, 1855.—Simpson's horse power has not a gear wheel about it, and it can be constructed and kept in repair by an ordinary mechanic. It costs less and furnishes a larger percentage of power than any horse power known. For the purchase of rights for the District of Columbia, Maryland, Delaware, New Jersey, Pennsylvania, New York, Ohio, and the New England States, apply to Prof. CHAS. G. PAGE, Washington, D.C.

STEAM ENGINES FOR SALE.—Very cheap—one 30, two 40 one 50, and two 5 horse power; also two 10 and 15 horse power. J. C. PORTER, 25th street, and 11th avenue, N. Y.

SCAFFOLD'S HALF HUNDRED RECEIPTS.—A pamphlet of 60 pages, containing more than 50 new and valuable receipts. This book should be in the hands of every mechanic farmer, and thrifty housekeeper. Enclose one letter stamp in a letter directed to J. R. Scaffold, No. 4 New street, New York, and the return mail will bring you the book with the postage paid thereon.

SEVEN FINE VOLUMES of the London and Glasgow Practical Mechanic's Journal, for sale; being the work from the beginning up to present time; containing about 3000 engravings, illustrative of all the most prominent British and American patented mechanical inventions from March, 1848 to March, 1855, including a list of English patents, together with a vast amount of scientific and other interesting information. Price \$20. The continuing monthly numbers can at all times be had in New York. Address and remit to MUNN & CO., Scientific American Office.

GRAIN MILLS.—EDWARD HARRISON, of New Haven, Conn., has on hand for sale, and is constantly manufacturing to order a great variety of his approved Flour and Grain Mills, including Bolting Machinery, Elevators, complete with Mills ready for use. Orders addressed as above to the patentee, who is the exclusive manufacturer, will be promptly filled with the latest improvements. Cut sent to applications, and all mills warranted to give satisfaction.

A COPY OF APPLETON'S DICTIONARY of Machines, Mechanics, Engine-work, and Engineering, for sale; in two large volumes, 2000 pages and 4000 engravings. Price \$5. Also a copy of Ure's celebrated Dictionary of Arts, Manufactures, and Mines; two large volumes 2000 pages 1000 engravings. Price \$5. Address and remit to MUNN & CO., Scientific American Office, New York.

OFFICE OF THE HYDRAULIC WORKS.—No. 25 Broadway, New York. Steam Pumping Engines, for steamers, wrecking purposes irrigating and draining lands, deep mining shafts, quarries, and excavations, railroad stations, tanneries, factories, public institutions, hotels, gas works, &c. Also a large and improved class of Pumping Engines, for supplying cities, towns and villages. Apply H. R. WORTHINGTON.

T. B. RUSSELL, Manufacturer of Philosophical Apparatus and Inventors' Models, No. 7 Washington street, Salem, Mass.

MATHEMATICAL INSTRUMENTS.—The undersigned furnishes, free of charge on application to all part of the United States, his new Illustrated Catalogue of Mathematical, Optical, and Philosophical Instruments. C. T. AMSLER, 31 eow 3m 211 Chestnut st., Philadelphia, Pa.

MACHINISTS' TOOLS.—SHRIVER & BROS., Cumberland, Maryland, have on hand finished Engine Lathes, 13 feet bed, swing 28 inches; 10 feet bed, swing 24 in.; 8 feet bed, swing 19 in.; 6 1/2 feet bed, swing 16 in. Also Power Planers, plane 9 1/2 feet by 33 inches, and 6 1/2 feet by 33 in., together with Drills, Hand Lathes, &c.

MACHINERY.—S. C. HILLS, No. 12 Platt st., N. Y. dealer in Steam Engines, Boilers, Planers, Lathes, Chucks, Drills, Pumps; Mortising, Tenoning, and Sash Machines Woodworth's and Daniel's Planers; Dick's Punches, Presses and Shears; Cob and Corn Mills; Harrison's Grist Mills; Johnson's Shingle Mills; Belting, Oil, &c.

Important Items.

PATENT LAWS, AND GUIDE TO INVENTORS.—Congress having adjourned without enacting any new laws pertaining to applications for patents, we have issued a new edition of the old laws, which may be had at our counter or sent by mail. This pamphlet contains not only the laws but all information touching the rules and regulations of the Patent Office. Price 12 1/2 cents per copy.

PATENT CLAIMS.—Persons desiring the claim of any invention which has been patented within fourteen years, can obtain a copy by addressing a letter to this office, stating the name of the patentee, and enclosing \$1 for fees for copying.

MODELS.—We are receiving almost daily, models of inventions which have not the names of their inventors marked upon them. This usually prevents us from taking any notice of them whatever. We shall esteem it a great favor if inventors will always attach their names to such models as they send us. It will save us much trouble, and sometimes prevent the model from being mislaid.

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Advertisements exceeding 16 lines cannot be admitted, neither can engravings be inserted in the advertising columns at any price.

All advertisements must be paid for before inserting.

IMPORTANT INVENTION.—Patented 7th June, 1853.—Falconer's Coupling for hose, hydrants, force pumps, &c., is the only coupling likely to supersede the screw coupling. It can be made cheaper than the screw coupling, and excels it in every respect, and after a superficial trial under the severest tests, it has been adopted under an Act of the Corporation of the City of Washington, for the Fire Department, in place of the screw coupling. For the purchase of rights under the patent, apply to Prof. CHAS. G. PAGE, Washington, D. C.

SHAFER'S STEAM AND VACUUM GAUGES. Harrison's Water Gauges—on sale by ENGELKE & KAMENA, 13 South William st., N. Y.