

TO CORRESPONDENTS.

"F. T., of N. Y."—The expense varies according to the magnitude of the case. Average price for preparing an application \$20.

"H. S. T., of S. C."—We are now in correspondence with parties in regard to the matters contained in yours of the 24th ultimo; as soon as we receive a definite reply, you will hear from us.

"A. A., of Md."—We do not find sufficient novelty in your arrangement to justify an application for a patent. We have been familiar with the principles for several years. It is the common cylindrical pump, of which there are any quantity now in use, the only difference being in the mechanical construction, which is not patentable. We advise you not to spend time or money in making an application.

"M. F. G., of Iowa."—The papers relating to your improved gate will be attended to as soon as possible. We have not seen the party owning the patent referred to since the receipt of your letter. Whenever we do we will call his attention to your suggestion. The patent reports we cannot supply.

"J. D., of Ill."—We believe that 18 numbers of Tredgold's work on the Steam Engine have been published. An indefinite number are yet to come. Price 75 cents per number. The first six have been sent.

"O. P. S., of Ohio."—We should think (judging from your description) that the machinery you use possesses novelty of a patentable nature and we advise you to send on a model without delay. We cannot advise an appeal from the Commissioner's decision, not having full knowledge of the case. We should prefer to run the risk of getting a patent on the machinery.

"W. W. K., of Ky."—The person who furnished the receipt on page 89, did not give his name to us in full, we are therefore unable to comply with your request of the 3rd inst. \$1 received.

"W. P. E., of Washington."—We are much obliged for your attention to our request of the 5th inst. If there are any charges please name them by letter, and they will be attended to.

"J. W. O. of Ohio."—You can furnish the couplings without invalidating your claims to all who wish them. \$10 received.

"H. W. D., of N. C."—It is evident that much of your heat is wasted. Have you no return flue? Your boiler should only give 6½ horse power. Perhaps you may work it too hard. It should only burn ¾ of a cord in twelve hours, and give out 6½ horse power. The tubes will cost about \$40 we think. If you communicate with Walworth, Nason & Guild, No. 79 John st., N. Y., you will get the minutest information. Metal spring packing is the best for the piston. As good a form of piston as any is Barton's, see Tredgold on the Steam Engine, or Herbert's work on Mechanics.

"S. L., of S. C. College."—We have sent your letter to a lathe builder here, Mr. Stewart, requesting him to reply to it, as we had not the information you required.

"A. V. G., of Wisconsin."—We have no great confidence in your plans; before we can give an opinion, however, we shall require you to explain the "certain known principles upon which the water is raised, if you wish our advice. There is no good work upon painting such as you would like.

"W. D. W., of Mich."—We have re-entered your name as a subscriber up to the end of this volume. There must have been a screw loose somewhere.

"A. C., of Miss."—There can be scarcely a doubt of the accuracy of your views. We have several times noticed the same phenomena, and referred to it some time last fall, while reviewing the meeting of the American Association held in New Haven.

"E. C., of N. C."—German silver is found by fusing together 100 parts of copper, 60 of zinc, and 40 of nickel.

"R. E. J., of Iowa."—An alloy of bismuth, tin, and lead constitutes what is known as Newton's fusible metal.

"L. D. G., of N. J."—We expected to see you before this.

"A. H., of N. H."—We are obliged to you for the reference to Nicholson, we shall examine it. Your ring is new in that form, but the same principle of action is embraced in Bramah's Disc Cutter.

"W. C., of Canada."—We are obliged to pay 1½ cents per copy postage on all papers we send to Canada, which amount is added to the price of your subscription of course. You have all the papers to which you are entitled for 1 dollar, and if you expect the paper sent for 1 year, you should remit annually \$3 instead of \$2.

"H. E., of N. Y."—There is not patented a method for extinguishing fire by steam. Yours could not be patented.

"F. A. S., of Ct."—We could not answer your question, because we do not know the manner you propose to accomplish your object. The result is not patentable in such a machine, it is the mode of arriving at it.

"L. T., of —."—We cannot answer your question in any way, because we do not see how it can be done. The object of the fly-wheel is to equalize the action of the piston, in other words, transmit with a uniform action, to other machinery the unequal action of the piston. It can perform no other office. Nothing can surpass the crank on the locomotive.

"C. C., of E. Port."—We have sent those numbers to Mr. DeWitt with an explanatory note. Thank you for the information.

"G. B., of Texas."—The best book for a millwright, with which we are acquainted, is Scott's, but there is not a single good work to which we can refer you for all the different kinds of wheels now employed. Scott's work is large, 2 Vols., and costs \$24, but it is a good one.

Money received on account of Patent Office business, since March 12, 1851:—

J. B., of Mass., \$30, J. H., of L. I., \$25; C. D. B., of Conn., \$25; G. W., of Mass., \$50; B. & M., of N. Y., \$50; J. S. P., of N. Y., \$250; J. D., of N. J., \$5; R. F. B., of N. Y., \$5; E. H. H., of Mass., \$30, and J. O., of Conn., \$20.

Specifications and drawings belonging to parties with the following initials, have been forwarded to the Patent Office within the past weeks:—

C. D. B., of Conn.; J. H., of L. I.; R. B. & Son, of O.; J. D., of N. J.; A. W. D., of N. Y.; S. T., of Conn.; J. O., of Conn.; E. H. H., of Mass.

Patent Claims.

Persons desiring the claims 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 one dollar as fee for copying.

ADVERTISEMENTS.

Terms of Advertising: One square of 8 lines, 50 cents for each insertion. " 12 lines, 75 cts., " " " 16 lines, \$1.00 " " Advertisements should not exceed 16 lines, and outs cannot be inserted in connection with them at any price.

American and Foreign Patent Agency.

IMPORTANT TO INVENTORS.—The undersigned having for several years been extensively engaged in procuring Letters Patent for new mechanical and chemical inventions, offer their services to inventors upon most reasonable terms. All business entrusted to their charge is strictly confidential. Private consultations are held with inventors at their office from 9 A. M., until 4 P. M. Inventors, however, need not incur the expense of attending in person, as the preliminaries can all be arranged by letter. Models can be sent with safety by express or any other convenient medium. They should not be over 1 foot square in size, if possible. Branches of our Agency have been established in London, under the charge of Messrs. Barlow, Payne & Parken, celebrated Attorneys, and Editors of the "Patent Journal," also in Paris, France, under the charge of M. Gardissal, Editor of the "Brevet d'Invention." We flatter ourselves that the facilities we possess for securing patents in all countries where the right is recognized, are not equalled by any other American house. MUNN & CO., 128 Fulton street, New York.

STEAM ENGINE FOR SALE.—We have for sale a 12 horse-power Horizontal Engine, complete, with flue boiler, second-hand, newly re-fitted, in excellent condition, has not been used to injure it; solid cast iron frame, manufactured by the "Novelty Works," this city. Its original cost was \$1,450, and will now be sold for \$900 cash, the owner having no further use for it. Apply to MUNN & CO. 27tf

WILLIAM W. HUBBELL—Attorney and Counsellor at Law, and Solicitor in Equity, Philadelphia, Penn.

TO LUMBER DEALERS.—Law's Planer having undergone important alterations, is now perfected and in successful daily operation, facing and matching at the same time, and in both respects, in a style not to be surpassed. The common objection that machines are expensive in repairs, is not applicable to these new machines—they are simple, strong, and easily kept in order. It is confidently believed that when they are well known they will have a decided preference over any other machine or mode of planing. Planing of all kinds done at short notice, corner of Water and Jay sts., Brooklyn. Law's Stave Machine dresses and joints staves of all kinds, shapes, and widths, by once passing through. Rights or machines for sale by H. LAW, 216 Pearl street, or after 1st March, at 23 Park Row. 21 S

LEONARD'S MACHINERY DEPOT, 116 Pearl st., N. Y.—The subscriber has removed from 66 Beaver st. to the large store, 116 Pearl st., and is now prepared to offer a great variety of Machinists' Tools, viz., engines and hand lathes, iron planing and vertical drilling machines, cutting engines, slotting machines, universal chucks, &c. Carpenters' Tools—mortising and tenoning machines, wood planing machines, &c. Cotton Gins, hand and power, Carver Washburn & Co.'s Patent. Steam Engines and Boilers, from 5 to 100 horse power. Mill Gearing, wrought iron shafting and castings made to order. Particular attention paid to the packing, shipping, and insurance, when requested, of all machinery ordered through me. P. A. LEONARD. 15 3m

IRON FOUNDERS MATERIALS—viz., fine ground and Bolted Sea Coal, Charcoal, Lehigh Soapstone and Black Lead Facings of approved quality. Iron and brass founders' superior Moulding Sand, Fire Clay, Fire Sand, and Kaolin; also best Fire Bricks, plain and arch shaped, for cupolas &c.; all packed in hogsheads, barrels or boxes for exportation, by G. O. ROBERTSON, 4 Liberty Place, near the Post Office, N. Y. 22 3m\*

MATAPAN MACHINE WORKS—Corner of Second and A sts., South Boston. The undersigned have recently enlarged their business and are now prepared to offer a great variety of Machinists' Tools, viz., Engine and Hand Lathes, iron Planing and Vertical Drilling Machines, Cutting Engines, Slotting Machines, and Universal Chucks; also Mill Gearing and Wrought Iron Shafting made to order. 22 12\*

MACHINES FOR CUTTING SHINGLES AND STAVES.—The undersigned is the owner of the following States of Wood's Improved Shingle Machine, Patented Jan. 8th, 1850, viz., Maine, New Hampshire, Vermont, Delaware, Maryland, Virginia, North and South Carolina, Georgia, Alabama, Florida, Arkansas, New Mexico, California, Oregon, District of Columbia, and one half of Connecticut. The above territory is for sale with or without the machines. No machine ever patented can do the same amount of work in so perfect a manner. Address CHARLES WATERMAN, West Meriden, Ct. 24 4\*

NOTICE TO MACHINISTS.—Wanted, immediately, a competent hand as foreman of a machine shop, where the principal work done is building stationary steam engines. An industrious man with steady habits, who can give testimonials of his ability to do, and direct work in such a shop, will be sure of employment at generous prices, if application be made soon. Reference—Wm. Kemble, 79 West st., N. Y. Address E. W. HUDNUTT & CO., Genesee, Livingston Co. N. Y. Wanted, 2 or 3 good machinists. 24 4\*

PATENT DREDGE BOAT.—The subscriber having obtained a patent for improvements on the Dredge Boat, offers to sell rights to build and to use his Patent Dredge Boat in any part of the United States; the excavating apparatus consists of twenty scoops, preceded by plows receiving great pressure and are capable of raising eight or ten cubic yards of mud or gravel per minute; the scooping apparatus may be fitted on an old steamboat or other vessel, for the purpose of removing bars or other obstructions to navigation. A working model may be seen by calling on the subscriber, JAMES CALLAGHAN, 20 10\* No. 64 Spruce st., New Bedford, Mass.

PATENT BREAD CUTTER.—The subscriber will sell rights for this very valuable article, for a single State or for all the States except Vermont, Maine, Massachusetts, Rhode Island, Connecticut, New York, Missouri, Illinois, and Iowa, on reasonable terms. The Cutter will be wanted in almost every family, and will sell readily at a large profit to the manufacturer. Personal application or by letter, post paid, to the subscriber, at Berlin, Conn., will receive prompt attention. FRANKLIN ROYS. 25 4\*

CASH AND BLIND MACHINE.—Patented by Jesse Leavens, Springfield, Mass. The machine planes, molds, mortises, bores, tenons, copes, franks, cuts off, rips up the stuff, planes the blinds, shades, and sets out the sash. The machine is 4 by 5 feet, weighs 800 lbs., requires two horse-power to drive it, and cost \$300 cash—extra charge for the right to use. Shop, town, county, and State rights for sale. Orders from abroad will be promptly attended to by addressing JESSE LEAVENS, Palmer Depot, Mass. 27 8\*

FELLY CUTTING MACHINE.—Messrs. JOSEPH ADAMS & SONS, Amherst, Mass., offer for sale town, county, and State rights, or single machines, with the right to use, of their unrivalled Felly Cutting Machine, illustrated in No. 5, Vol. 6, Scientific American. It is portable, easily kept in order, requires but little power to drive it, and will execute in the most rapid and perfect manner, cutting 60 good fellys in one hour. 27 8\*

1851 TO 1856—WOODWORTH'S PATENT PLANING MACHINE.—Ninety-six hundredths of all the planed lumber used in our large cities and towns continues to be dressed with Woodworth's Patent Machines, which may be seen in constant operation in the steam planing mills at Boston, Philadelphia, New York, Albany, Troy, Utica, Rome, Syracuse, Geneva, Albion, Lockport, Buffalo, Jamestown, Gibson, Binghamton, Oswego, &c. The price of a complete machine is from \$100 to \$1,000, according to size, capacity, and quality. Persons holding licenses from the subscriber are protected by him against infringements on their rights. For rights to use these machines in the Counties of Columbia, Dutchess, Queens, Richmond, Suffolk, Westchester, and other unoccupied counties and towns of New York and Northern Pennsylvania, apply to JOHN GIBSON, Planing Mills, Albany, N. Y. 27 eow6\*

WANTED.—A Practical Machinist who can command from \$500 to \$3,000, to become interested as partner in a Foundry and Machine business which is already established. None but such as can furnish undoubted testimonials for skill, energy, and character, need apply. For particulars address "D. J. M.," care of Munn & Co., N. Y. 27 2\*

DICK'S GREAT POWER PRESS.—The public are hereby informed that the Mattewan Company, having entered into an arrangement with the Patentee for the manufacture of the so-called Dick's Anti-Friction Press, are now prepared to execute orders for the following, to which this power is applicable, viz.—Boiler Punches, Boiler Plate Shears, Saw Gummers, Rail Straighteners, Copying and Sealing Presses, Book and Paper Presses, Embossing Presses, Presses for Baling Cotton and Woolen Goods—Cotton, Hay, Tobacco, and Cider Presses; Flaxseed, Lard, and Sperm Oil Presses; Stump Extractors, &c. &c. The convenience and celerity with which this machine can be operated, is such that on an average, not more than one-fourth the time will be required to do the same work with the same force required by any other machine.

WILLIAM B. LEONARD, Agent, No. 66 Beaver st., New York City. 13tf

MACHINES FOR CUTTING SHINGLES.—The extraordinary success of Wood's Patent Shingle Machine, under every circumstance where it has been tried, fully establishes its superiority over any other machine for the purpose ever yet offered to the public. It received the first premium at the last Fair of the American Institute—where its operation was witnessed by hundreds. A few State rights remain unsold. Patented January 8th, 1850.—13 years more to run. Terms made easy to the purchaser. Address, (post-paid) JAMES D. JOHNSON, Redding Ridge, Conn., or Wm. WOOD, Westport, Conn. All letters will be promptly attended to. 10tf

GURLEY'S IMPROVED SAW GUMMERS.—For gumming out and sharpening the teeth of saws can be had on application to G. A. KIRTLAND, 205 South st., N. Y. 10tf

SCRANTON & PARSHLEY, Tool Builders, New Haven, Conn., will have finished 2 Power Planers ready to ship by the 1st of Feb., that will plane 9 feet long, 31 inches wide, and 24 inches high, with angle feed; counter shaft, pulleys, and hangers, splining and centre heads, with index plate, and weigh over 5,000 lbs.; also 2 power planers that will plane 5 feet long, 22 in. wide, and 20 in. high, with counter shaft, pulleys, and hangers, and weigh 2,400 lbs.—These planers are 25 per cent. lower than any others built. Cuts can be had by addressing as above, post paid. 19tf

TO PAINTERS AND OTHERS.—American Anatomic Drier, Electro Chemical graining colors, Electro Negative gold size, and Chemical Oil Stove Polish. The Drier, improves in quality, by age—is adapted to all kinds of paints, and also to Printers' inks and colors. The above articles are compounded upon known chemical laws, and are submitted to the public without further comment. Manufactured and sold wholesale and retail at 114 John st., New York, and at Flushing, L. I., N. Y., by QUARTERMAN & SON, Painters and Chemists. 22tf

MACHINERY.—S. C. HILLS, No. 12 Platt Street, N. Y., dealer in Steam Engines, Boilers, Iron Planers, Lathes, Universal Chucks, Drills, Kase's, Von Schmidt's, and other Pumps, Johnson's Shingle machines, Woodworth's, Daniel's and Law's Planing machines, Dick's Presses, Punches, and Shears; Mortising and Tenoning Machines, Belting, machinery oil; Beal's patent Cob and Corn Mills; Burr Mill, and Grindstones, Lead and Iron Pipe, &c. Letters to be noticed must be post paid. 26tf

BAILEY'S SELF-CENTERING LATHE, for turning Broom and other handles, swelled work, chair spindles, &c.; warranted to turn out twice the work of any other lathe known—doing in a first rate manner 2000 broom handles and 4000 chair spindles per day, and other work in proportion. Orders, post-paid, may be forwarded to L. A. SPALDING, Lockport, N. Y. 21tf

FOREIGN PATENTS.—PATENTS procured in GREAT BRITAIN and her colonies, also France, Belgium, Holland, &c., &c., with certainty and dispatch through special and responsible agents appointed, by, and connected only with this establishment.—Pamphlets containing a synopsis of Foreign Patent laws, and information can be had gratis on application JOSEPH P. PIRSSON, Civil Engineer, Office 5 Wall street, New York. 24tf

RAILROAD CAR MANUFACTORY.—TRACY & FALES, Grove Works, Hartford, Conn. Passage, Freight and all other descriptions of Railroad Cars, as well as Locomotive Tenders, made to order promptly. The above is the largest Car Factory in the Union. In quality of material and in workmanship, beauty and good taste, as well as strength and durability, we are determined our work shall be unsurpassed. JOHN R. TRACY, THOMAS J. FALES. 16tf

FOWLERS & WELLS, Phrenologists and Publishers, Clinton Hall, 131 Nassau st., New York—Office of the Water Cure and Phrenological Journals. Professional examinations day and evening. 3 6m

MANUFACTURERS' FINDINGS and Leather Binding.—The subscriber is prepared to offer a large assortment of manufacturers' Findings for Cotton and Woolen Factories, viz., bobbins, reeds, harness, shuttles, temples, rockers, harness twines varnish, roller cloth, card clothing, card stripper and clamps, calf and sheep roller, leather, lace, and picker string, potato & wheat starch, oils, &c. Leather Binding, of all widths, made in a superior manner from best oak tanned leather, riveted and cemented. 15 3m P. A. LEONARD, 116 Pearl st.

UNITED PATENT OFFICE IN PARIS AND LONDON.—GARDISSAL & CO., 9 Arthur st., west, city, London; Paris, 29 Boulevard St. Martin.—Procuration of Patents for England, Ireland, Scotland, France, and all countries; and transactions of all business relating to patents, (sale and licenses,) specifications, oppositions, &c. "The Invention," monthly journal, \$1 a-year. 15 4m\*

LAP-WELDED WROUGHT IRON TUBES for Tubular Boilers, from 1 1/4 to 7 inches in diameter. The only Tubes of the same quality and manufacture as those so extensively used in England, Scotland, France and Germany, for Locomotive, Marine, and other Steam Engine Boilers. THOS. PROSSER & SON, Patentees, 28 Platt st., New York. 16tf

BROOM MACHINERY.—The most improved and durable machinery for the manufacture of Brooms, for sale by JACOB GRAY, Scotia, Schenectady Co., N. Y. Address post-paid. 22 8\*

THE SUBSCRIBER is now finishing four 14 horse engines, with boiler and apparatus all complete—price \$1200 each. Several 6 horse engines extremely low; also, several of smaller capacity, complete; also, several power planers, now finishing.—Galvanized chain for water elevators, and all fixtures—price low—wholesale and retail. Orders, post-paid, will receive prompt attention. AARON KILBORN, No. 4 Howard st., New Haven, Conn. 18 10\*