

TO CORRESPONDENTS.

D. F. P., of La.—Much obliged for the large list of subscribers forwarded by you: the names have been entered to commence with the new volume, which, we suppose, will better please the majority of the party than to have their subscriptions commence now.

J. E. A., of Ct.—A patent was granted to J. E. Larkin, of this State, on Auger Handles, last year, which embraces the same principle as the one you represent, although the construction is slightly different.

P. O. & Co., of N. Y.—We cannot enter the name of any individual upon our subscription books unless the amount of subscription is paid in advance.

D. E. R., of Rochester, N. Y.—The orifice of the safety-valve is made about 0.8 of a circular inch per horse-power for a condensing engine, and 1.1-4 of an inch per horse-power for a high pressure.

J. R., of —If we can we will get you the information requested.

S. W. K., of Pa.—We have received your letter, and we wish you great prosperity, you deserve it.

G. F. J., of N. J.—We will give your attention next week.

H. S., of New York.—Yours next week: it will come in good time.

J. C., of New York.—The great objection against your cast-iron blinds is their weight and great price. The latter is no objection against their merits, but it would prevent, we think, an extensive sale.

W. W. R., of N. Y.—Yours next week.

J. P. P., of N. C.—Abner Lane, of Killingworth, Ct., has a patent for a machine for turning irregular forms; also Allen Goodman, of Dana, Mass., manufactures a machine for that purpose.

J. B., of Ky.—We have sent your communication to the inventor, who will reply more fully to your enquiries than we are able to.

C. H. P., of R. I.—You can build a carriage after the plan of Adam's Patent without infringing upon Everett's. If the two arrangements are alike, Everett's patent would be of no value to him when brought to the test of law.

J. S., of Mass.—We do not think you will be able to obtain a patent for your alleged improvement in brakes. Some time since a model was exhibited to us substantially the same as yours, and upon which the inventor made no claim.

J. W. C., of Ind.—We think Mr. G.'s contrivance to be somewhat different from yours. Our opinion is that he will scarcely realize the amount he has paid for the patent.

J. S., of N. C.—The engine and boiler, concerning which you wrote to us has been sold.

L. A. S., of N. Y.—Your letter containing a draft for \$23 came duly to hand. We have watched daily for the model you mentioned as having sent, but it has not come yet.

Money received on account of Patent Office business since July 21:

J. H. S., of N. Y., \$30; L. P., of N. Y., \$20; W. P., of N. Y., \$20; W. H. B., of R. I., \$30; E. P. C., of Pa., \$32; A. C., of Ct., \$15; J. L. H., of N. Y., \$20; W. H. C., of Miss., \$12; R. H. S., of Mich., \$25; W. C. B., of N. Y., \$20; S. I., of N. Y., \$20; W. R., of Mass., \$32; J. M. C., of Me., \$25.

Specifications and drawings of inventions belonging to parties with the following initials, were forwarded to this office to the Patent Office from June 24 to July 21:—

M. S. C., of Ct.; L. P., of N. Y.; T. B. R., of Mass.; T. M. C., of Me.; A. C., of Ct.; D. H. T., of Mass.; L. R. B., of Ct.; J. L. H., of N. Y.; J. H., of Texas; E. P. C., of Pa.

Back Numbers and Volumes. In reply to many interrogatories as to what back numbers and volumes of the Scientific American can be furnished, we make the following statement:

Of Volumes 1, 2, and 3—none. Of Volume 4, about 20 Nos., price 50 cts. Of Volume 5, all, price, in sheets, \$2; bound, \$2.75. Of Volume 6, all back Nos., at subscription price.

New Edition of the Patent Laws. We have just issued another edition of the American Patent Laws, which was delayed until after the adjournment of the last Congress, on account of an expected modification in them.

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 10 lines, and cuts 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.

Having Agents located in the chief cities of Europe, our facilities for obtaining Foreign Patents are unequalled. This branch of our business receives the especial attention of one of the members of the firm, who is prepared to advise with inventors and manufacturers at all times, relating to Foreign Patents.

INDUSTRIAL EXHIBITION.—The "Maryland Institute for the Promotion of the Mechanic Arts," will hold its Fourth Annual Exhibition of American Manufactures, Machinery, &c., in the splendid new Hall, now being finished at Baltimore, on 20th Oct. to 18th Nov. next.

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MECHANICS' FAIR.—The Middlesex Mechanic's Association will open their first exhibition for the encouragement of the mechanic arts and manufactures in the city of Lowell, on Tuesday, Sept. 16, 1851. The Committee of Arrangements for this proposed Fair, respectfully invite and solicit all persons engaged in the various branches of mechanism, manufactures, science, and art, to present specimens of their various products for exhibition and premium.

LEONARD'S MACHINERY DEPOT, 109 Pearl St., N. Y.—The subscriber is constantly receiving, and offers for sale, a great variety of articles connected with the mechanical and manufacturing interest, viz., Machinists' Tools—engines and hand lathes, iron planing and vertical drilling machines, cutting engines, slotting machines, bolt cutters, slide rests, universal chucks, &c.

PATENT CAR AXLE LATHE.—I am now manufacturing and have for sale the above lathes: they will turn and finish six sets per day, weight 5,000 lbs., price \$600. I have also for sale my Patent Engine Screw Lathe, for turning and chucking tapers, cutting screws, and all kinds of common job work; weight 1,500 lbs., price \$225.

GREAT REDUCTION IN PRICE.—The most valuable book of the day, containing domestic and medical recipes, rules with regard to the recovery and preservation of health, an account of the different medical theories of the day, useful tables, &c., entitled "THE GRAEFENBERG MANUAL OF HEALTH." It is complete in one volume of seven parts, and is beautifully printed upon fine paper, in a convenient form of 300 pages.

BRICK-MAKER WANTED.—I am desirous of obtaining a foreman for an extensive brickyard: it will be necessary that he be a sober industrious man, a practical brick-maker, fully competent to superintend the work of 40 men; to such a person a salary of \$500 a year would be given; situation permanent, upon good behavior. Address A. MILLER, Raleigh, Canada West.

MONTGOMERY MANUFACTURING CO'S Iron Works, Montgomery Ala. Capital invested, \$250,000. Steam Engines and Boilers, Reuben Rich's cast-iron centre vent water wheel and iron scrolls complete (the very best wheel in use), sugar mills, saw and grist mill irons of most approved patterns, iron and brass castings of every variety, &c.

MORTISING MACHINE.—Dear Sirs: I received the Portable Mortising Machine about 3 weeks ago: I have used it, and am very well pleased with it. It is the best plan of a machine of the kind I have ever seen. W. R. McFARLAND, Nashville, Tenn., June 22, 1851.

BOGARDUS'S CELEBRATED HORSE-POWER.—Crank, balance wheels, pitmans or noddle-heads, stirrups, feed heads, saw gate slides and rods, wrag-wheels, carriage cogs, dogs, gudgeons, mill bars, saw gummars, and Hotchkiss wheels and shafting for saw mills; spindles, bales, drivers, hoisting screw and bales, regulating screws, mill pecks, bushes, smut machines, shafting and gearing iron water wheels for flouring mills; fly or roll bars and plates, paper cutters, Kay's callendering apparatus for continuous sheets for paper mills; screws for lathes and presses, jack screws, wrought and cast iron shafting, pulleys and hangers, heavy forging, cotton gin gear, screw-bolts and nuts, slip gudgeons are manufactured at the Speedwell Iron Works, Morris Town, N. J.

TIN PLATE AND SHEET IRON WORKERS.—ROY & WILCOX, Mattabessett Works, East Berlin Station, on the Middletown Rail Road, manufacture all kinds of Tools and Machines of the best quality, both in material and workmanship. This establishment being the only one where both tools and machines are manufactured, superior inducements are offered to the trade; all work warranted, with fair use.

WANTED.—A situation is wanted by a person capable of planning and constructing furnaces for smelting iron ore, or erecting rolling mills. He is an experienced mechanic, thoroughly conversant with the iron business, and would like a permanent situation in some of the Southern States. Address M. E., Dover, N. J.

LAW'S PLANER FOR PLANK, BOARDS, &c., is now attracting much attention on account of its effectiveness, the excellence of its work, its simplicity, and consequent economy. Machines are now in operation in Brooklyn, New York City, and at various points South and West.

WATTS & BELCHER, Manufacturers of Steam Engines, Lathes, Planing Machines, Power Presses, and Mechanics' Tools of all descriptions: Washington Factory, Newark, N. J.

CARD.—The undersigned beg leave to draw the attention of architects, engineers, machinists, opticians, watchmakers, jewellers, and manufacturers of all kinds of instruments, to his new and extensive assortment of fine English (Stubs) and Swiss Files and Tools, also his imported and own manufactured Mathematical Drawing Instruments of Swiss and English style, which he offers at very reasonable prices.

DICK'S GREAT POWER PRESS.—The public are hereby informed that the Mattheawan 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 Gummars, Rail Straighteners, Copying and Sealing Presses, Book and Paper Presses, Embossing Presses, Presses for Baling Cotton and Woollen Goods—Cotton, Hay, Tobacco, and Cider Presses; Flaxseed, Lard, and Sperr Oil Presses; Stump Extractors, &c. &c.

BEARDSLEE'S PATENT PLANING MACHINE, for Planing, Tonguing, and Grooving Boards and Plank.—This recently patented machine is now in successful operation at the Machine Shop and Foundry of Messrs. F. & T. Townsend, Albany, N. Y., where it can be seen. It produces work superior to any mode of planing before known.

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.

MACHINERY.—S. C. HILLS, No. 12 Platt Street, N. Y., dealer in Steam Engines, Boilers, Iron Planers, Lathes, Universal Chucks, Drills, Kasse'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; Morticing and Tenoning Machines, Belting, machinery for; Beal's Patent Cob and Corn Mills; Burr Mill, and Grindstones, Lead and Iron Pipe, &c.

IRON FOUNDERS MATERIALS.—viz., fine ground and Bolted Sea Coal, Charcoal, Lehigh, Soapstone, and Black Lead Facing. Iron and brass moulding Sand; Fire Clay, Fire Sand, and Kaolin; also English, Scotch, and Welsh Fire Bricks—plain, arch, circle, circular, and tower cupola, for sale by G. O. ROBERTSON, Liberty Place, between 57 and 59 Liberty st., (near the Post Office), N. Y.

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.

LAP-WELDED WROUGHT IRON TUBES for Tubular Boilers, from 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.

LATHES FOR BROOM HANDLE, &c. We continue to sell Alcott's Concentric Lathe, which is adapted to turning Windsor Chair Legs, Pillars, Rods and Rounds; Hoe Handles, Fork Handles, and Broom Handles. This Lathe is capable of turning under two inches diameter, with only the trouble of changing the dies and pattern to the size required.

WOODWORTH'S PLANING MACHINE. For sale, the right to use this justly celebrated labor-saving machine in the following States, viz.: Pennsylvania west of the Allegheny Mountains, Virginia west of the Blue Ridge, Ohio, Indiana, Kentucky, Tennessee, Wisconsin, Iowa, Missouri, Arkansas, Texas, Louisiana, Florida, Alabama, and Mississippi. For particulars apply to the Proprietor, ELISHA BLOOMER, 304 Broadway.

SCRANTON & PARSHLEY, Tool Builders, New Haven, Conn., having had many applications for castings from their lathe patterns, with beds planed and screw and gearing cut, have now made arrangements to accommodate that class of customers; this arrangement will enable small shops, with a little more than half of the amount of ready cash, to get them a new lathe. Cuts of these lathes and other tools can be had by addressing as above (post-paid). N. B. Machinists' tools constantly on hand.

MECHANICS' INSTITUTE FAIR.—The attention of Mechanics, inventors, and artisans is especially called to the Polytechnic Exhibition, which will open at the rooms, cor. Bowery and Division st., on the 15th of May. Those who wish to exhibit models, machinery, &c., of mechanical skill, and those who would like to carry on, permanently, any mechanical occupation, that would be in any way curious or attractive to visitors, are requested to call on the Actuary. Steam power will be provided. Well-lighted, warmed, and airy rooms can be had on liberal terms. As this Exhibition is permanent, an excellent opportunity is offered to skillful mechanics to bring themselves into notice. Articles may be sent in immediately and will be taken care of and insured. Z. PRATT, Pres.; T. C. DODD, Actuary.