

TO CORRESPONDENTS.

H. S., of Phila.—We do not see what advantage you could gain by the cylinder surrounding the Loper Propeller; the spiral propeller avoids the evil you wish to obviate.

J. R., of Pa.—Propellers are now used on the Delaware and Raritan Canal, but we are unable to say whether your arrangement is like them or not.

Dr. E. C., of Mo.—We notice that Dr. Marcy has just published a work on the "Theory and Practice of Homöopathy." It can be had of Wm. Radda, 322 Broadway.

Dr. J. H., of Ala.—We have sent you Nos. 23 and 23, to complete your file. We are unable to give you the information you desire as to the cost of the planing machine iron, and do not know of any one here to whom we could apply.

W. R. H., of Wis.—You can sell your invention to any one who may choose to purchase, without forfeiting the right to take a patent. Whoever advises you to the contrary knows nothing of the subject.

S. T., of Ohio.—We should regard your Corn Shelter as possessing novelty sufficient to warrant an application for a patent. Send along the model in order that we may more fully determine this point.

W. W. B., of O.—We are unable to furnish the information about the mills you desire; it can only be obtained of those who are engaged in the manufacture of the different kinds of machinery you require.

L. B. G., of Pa.—Your sketch of an alleged improvement in brakes has been examined and believed not to present anything new. In No. 41, Vol. 4, Sci. Am., you will find an engraving of one embracing the essential features.

O. P. S., of O.—We have examined the sketches of your improved combination for the manufacture of homony; we do not know of any such arrangement, and believe it to be new and patentable.

M. R. & D. R. L., of Miss.—Your letter of the 6th inst. is received. We shall wait for the model, which has not yet arrived.

Dr. S. G., of La.—Yours, enclosing \$5, came safe to hand, for which we are much obliged.

E. E. J., of Mo.—You are correct about the pressure; it would be equal on all sides. We thank you for the very flattering testimonial to the Sci. Am.

F. M., of N. Y.—We are still awaiting further developments about the pendulum—a series of correct experiments with the pendulum vibrating say 24 hours.

Money received on account of Patent Office business since June 24:

L. P., of N. Y., \$39; T. R. R., of Mass., \$39; J. B., of N. Y., \$30; C. S., of N. Y., \$15; W. A. C., of Ct., \$20; M. M. H., of Pa., \$25; E. W., of Mass., \$20; A. D. S., of N. Y., \$4; M. M., of Wis., \$20; W. M. S., of N. Y., \$20; E. D. W., of N. Y., \$16; A. H., of Y., \$55; E. B., of N. Y., \$25; T. H. D., of N. H., \$30.

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.

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.

Post Office Stamps.

In consequence of the change of rates on the first of next month, we would respectfully notify the public that henceforth, until further notice, Post Office Stamps will not be received at this office in payment for subscriptions to the Scientific American.

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 out 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 special 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.

H. C. BROWN'S PREMIUM SASH BALANCE.—We, the undersigned having carefully examined the model of H. C. Brown's improved method of hanging Window Sash, as invented and patented by him on the 14th of May, 1850, do most confidently believe, for beauty, simplicity, cheapness, durability, and ease of adjustment, it far exceeds anything of the kind we have ever seen or known.

H. C. BROWN'S PATENT PREMIUM SASH BALANCE, a substitute for box frames and weights, at about one-third of their cost, and really more beautiful and convenient, will be exhibited by the patentee, at the Merchants' Exchange, for a few days from the 4th of July next, for the sale of rights by counties or States.

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.

A. B. WILSON'S SEWING MACHINE, adjusted to be the cheapest and best now in use, patented Nov. 12, 1850, can be seen on exhibition at 193 and 197 Broadway, (formerly the Franklin House, room 23, third floor,) N. Y. Rights for Territory or Machines can be had by applying to WM. S. LOVELL, Agent.

FOR SALE.—One 4 1/2 feet Iron Planer, weighing 1,700 lbs., a good machine. Also second-hand Engine Lathes—one a screw lathe. Apply to 428 ELI WHITNEY.

15 HORSE-POWER ENGINE & BOILER for \$1000.—We have for sale a first rate Engine and boiler, built by Stillman, Allen & Co., of the Novelty Works, which will be sold at about half its original cost. The boiler is 20 feet long and 36 in. in diameter; 2 return flues, 11 in. in diameter each, with steam chamber top of boiler 2 ft. high, by 16 in. diameter. The heads are wrought iron, with grate bars, fronts, binders, and bolts complete. All made in the best manner, and called by the manufacturers a 20 horse-power boiler; also sheet-iron cap to conduct the smoke from the end of the boiler to the chimney.

THE COTTON CULTIVATOR, Patented March 20, 1819, is in successful operation in Maury Co., Tenn., both in the cultivation of corn and cotton; it is a saving of one-third the labor usually taken in the cultivation of the above named crops.—State, county, or plantation rights for sale: those wishing to buy will do well to come and see those that use them, and if they do not find them recommended by good farmers as here stated, I will bind myself to give them the right to any State or county. The farmers, in some places, have clubbed together and bought their counties, and have made money by it. The patentee, or some of his agents, will attend most of the Fairs this season, where the Cultivator may be seen. SAMUEL W. AKIN, 41 5*

PATENT BAND PULLEYS.—The subscriber having obtained a patent for his improvements in the band pulley is desirous of disposing of rights to manufacture and use in the Northern and Western States. This improvement has been highly recommended by Southern planters and manufacturers who have purchased and used it during the past two years. Address, post-paid, JOHN SIMPSON, Decatur, Ga. 41 3*

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.

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. Rights or machines for sale by H. LAW, 23 Park Row. 35 tf

LEONARD'S MACHINERY DEPOT, 109 Pearl st. 60 Beaver, 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. Carpenters' Tools—mortising and tenoning machines, wood planing machines, &c. Steam Engines and Boilers, from 5 to 100 horse power. Mill Gearing, wrought iron shafting, brass and iron castings in order. Cotton and Woolen Machinery furnished from the best makers. Cotton Gins, hand and power, and power presses. Leather Banding of all widths, made in a superior manner, from the best oak tanned leather. Manufacturers' Findings of every description—bobbins, reeds, shuttles, temples, pickers, card clothing, roller cloth, potato and wheat starch, oils, &c. P. A. LEONARD. 33tf

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 1500 lbs., price \$225, if the above lathes do not give good satisfaction, the money will be refunded on the return of the lathe, if within six months. J. D. WHITE, Hartford, Conn. 32 13*

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. The immense success which has attended the sale of previous editions, has warranted a reduction in the price of this (the 7th) edition, from 50 to 25 cts. per copy. Any number of copies, from one upward, will be forwarded upon the receipt of the money, (post-paid). Address THE GRAEFENBERG COMPANY, 214 Broadway, N. Y., or this Office. 38tf

DR. S. B. SMITH'S TORPEDO ELECTRO Magnetic Machines.—These machines differ from all other electro-magnetic machines. The inventor has made an improvement by which the primary and secondary currents are united. The cures performed by this instrument now are, in some instances, almost incredible. For proof of this I refer to my new work lately issued from the press, under the title of "The Medical Application of Electro Magnetism." Mail edition, 25 cents. Postage, 6 cents. The Torpedo Magnetic Machines are put up in neat rosewood cases of a very portable size. Price, \$12. To agents they are put at \$9. Postmasters, druggists, storekeepers, and all who are willing to be instrumental in relieving the sick, are respectfully invited to act as agents. Address Dr. S. B. SMITH, 297 1-2 Broadway, N. Y., or MUNN & CO., 128 Fulton st., N. Y. Can be sent by Express to all parts of the Union. 39 4*

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 us above (post-paid). N. B. Machinists' tools constantly on hand. 40tf

WOODWORTH'S PATENT PLANING MACHINES: 1851 TO 1856.—For rights at Honesdale, Carbondale, Providence, Pittston, Scranton, Wilkesbarre, Williamsport, Meadville, Newcastle, and other unoccupied towns in Northern Pennsylvania and New York, apply to JOHN GIBSON, Planing Mills, Albany, N. Y. 41 4*

BOGARDUS'S CELEBRATED HORSE-POWER.—Crank, balance wheels, pitmans or noddle-heads, stirrups, feed hands, saw gate slides and rods, wrag wheels, carriage dogs, 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. Office in New York, No. 9 Gold st., with Logan, Vail & Co. P. S. Belting and bolting cloths supplied to order. GEO. VAIL & CO. 28 1amtf

TO 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. Agents in most of the principal cities of the United States and Canada. Orders promptly attended to. F. ROYS, E. WILCOX, Berlin, Conn., Nov. 1, 1850. 7 1amly

MECHANICAL DRAWINGS.—The subscriber, having returned to the city, will resume his business as Mechanical Draughtsman and Agent for the sale of Patents. Residence West Fifth st., first house east of Sixth av. J. H. BAILEY. 41 2*

A 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. Orders for any kind of instruments will be promptly executed by F. A. SIBENMANN, Importer of Watchmakers' and Jewellers' Files and Tools, and manufacturer of Mathematical Instruments, 154 Fulton st. 29 3m*

DICK'S GREAT POWER PRESS.—The public are hereby informed that the Matteawan 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 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. 25tf

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 6th, 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. 37tf

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 Flushing, L. I., N. Y., by QUARTERMAN & SON, Painters and Chemists 35tf

MACHINERY.—S. C. HILLS, No. 12 Platt Street, N. Y., dealer in Steam Engines, Boilers, Iron Planers, Lathes, Universal Chucks, Drills, Kases, 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 for 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. 38tf

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

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. 39tf

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, 16tf 28 Platt st., New York.

LATHES FOR BROOM HANDLES, &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. It will turn smooth over swells or depressions of 3-4 to the inch, and work as smoothly as on a straight line, and does excellent work. Sold without frames for the low price of \$25—boxed and shipped, with directions for setting up. Address, (post paid) MUNN & CO., At this Office. 37 6*

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, ELLISHA BLOOMER, 304 Broadway. 39 10*

COTTON MACHINERY FOR SALE.—Viz., 4 Filling Frames, almost new; 1-16 Strand Speeder; 1 Warper; 1 Sapper; 2 Wind-mill Fans; 1 Reel; 1 Yarn Bundling Press; 1 Band Machine, and a large lot of tin cans. Apply to ELI WHITNEY, New Haven, Ct. 37 6*

WATTS & BELCHER, Manufacturers of Steam Engines, Lathes, Planing Machines, Power Presses, and Mechanics' Tools of all descriptions: Washington Factory, Newark, N. J. 38 13*

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. 34tf