

TO CORRESPONDENTS.

F. R. B., of N. Y.—We have carefully examined the sketch and description of your alleged improvement in rotary engines; it possesses features entirely novel to us, having never seen anything nearer to it than Furman's, illustrated in our last volume. We do not perceive a single advantage to be gained by it over many others, and we incline to the opinion that it will prove on trial a total failure; successful experiments will only satisfy us to the contrary.

T. N. J., of N. H.—You would see in our last number something more upon anastatic printing. We are not at present in possession of any more information upon the subject; but we shall endeavor to present it when obtained.

N. O. L., of N. H.—Your proposition in regard to warming shops from the fire of a smith forge, requires to be more specifically explained before we can advise respecting it.

S. F., of Pa.—We do not remember ever to have seen a car brake constructed like yours, and think it patentable; you had better send us a model of it that we may more thoroughly understand its operation. You are too late to compete for Ray's premium.

S. B. M., of Pa.—There is nothing new in your Sausage Stuffer; we have seen the same machine before.

J. S. H., of Ill.—Minife's Drawing Book is being issued in numbers; it is, we believe, the same as the original work. It requires a lens of sufficient power to take in the distance.

W. D. M., of N. J.—We do not know of a single good book on the subject you speak of.

A. M. G., of S. C.—The invention noticed in No. 6 of our paper is quite different from yours; Mr. Gardner's is of older date. Perhaps you had better send us a small model of yours and we will advise you more definitely.

E. K. Purdy, Schoolcraft, Mich., wishes to know the price of a machine suitable for cutting walnut veneers.

W. D., of Vt.—By addressing Messrs. Fowlers & Wells, this city, they will furnish you with Phonographic works.

V. E. R., of Ill.—For the fine list of subscribers furnished by you, accept our thanks.

M. F., of Va.—Every concern like the Collin's Axe Co. have secrets of their own for tempering; in some of the back volumes of the Scientific American you will find reliable receipts and hints upon the subject of tempering edged tools.

G. G. H., of Pa.—Paddle wheels constructed upon the plan you described are old and well known.

H. J. T., of Boston.—We believe a patent for your application could not be obtained.

C. H., of Ill.—Your engine will operate, and for a very high fall and a small quantity of water, it will do well, but you must expect no more from it than the gravity and velocity of the water—the height is an index of the velocity. A number of water engines have been employed; we published one in Vol. 3; it is not so simple as the case water wheel, which we prefer.

A. B. R., of Pa.—Your plan is new, but you cannot obtain any valuable results. You never can obtain a power to drive an engine by a force of its own creation. See the opinion of Prof. Henry, in Vol. 6, Sci. Am., expressed about the Paine Light, which was to do the same thing that you propose to accomplish.

F. S. B., of Albany.—If your volumes were complete there would be no difficulty in disposing of them, but as they are not we could not probably sell them for you at high prices.

N. K. L., of N. Y.—The atmosphere is allowed to be about 52 miles in height, and the pressure is 15 lbs on the square inch.

H. P., of N. Y.—If you will send your model to our office we will examine it and report upon the merits of your plan. We are suspicious, however, that you have got nothing new.

G. M. P., of Mass.—Mr. Green refuses to supply copies of his late Book of Specimen Types to any but those who are purchasers of materials.

J. A. C., of N. Y.—There is nothing new in the Churn which you describe; air has been introduced into churns in the same manner.

S. G. B., of Wis.—The mere application of boiler-iron to the bottom of a dirt scraper, instead of wood, could not be patented; besides, scrapers have often been made in the same manner.

W. C., of Canada West.—You will be able to obtain the Magic Lantern Reflector of Benj. Pike, Jr., of this city; we will hand your letter to him for attention.

O. B., of Ind.—We have seen washing machines essentially similar to yours; we therefore conclude that you cannot obtain a patent.

Money received on account of Patent Office business for the week ending Saturday, Dec. 4:—

L. & H., of N. Y., \$30; J. E., of N. Y., \$30; S. H. N., of Pa., \$32; C. W. G., of N. Y., \$40; C. W., of N. Y., \$25; J. M. D., of N. Y., \$65; L. S. G., of Tenn., \$15; J. E. W., of Pa., \$25; C. B. D. LaV., of N. Y., \$100; G. B. R., of N. Y., \$30; E. Van C., of Pa., \$5; T. B., of N. Y., \$10; R. & F., of N. Y., \$20.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Dec. 4:

C. W., of N. Y.; T. B., of N. Y.; A. A. D., of Ga.; J. Y., of Ohio; G. P., of N. Y.; J. E. W., of Pa.; S. I., of N. Y.

ADVERTISEMENTS.

Terms of Advertising.

Table with 2 columns: Lines for each insertion, Price. 4 lines, 50cts. 8 lines, \$1.00. 12 lines, \$1.50. 16 lines, \$2.00.

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.

WILL BE SOLD—On Thursday, Dec. 29, 1852, at Public Auction, if not previously disposed of at private sale, the SALUDA COTTON FACTORY, situated on Saluda River, three miles from Columbia, where the Greenville and Charlotte Railroads connect with the South Carolina Railroad. The building is of granite, built in the best manner, 200 feet long, five stories high, containing thirty-six 30 inch cards; 120 looms, 40 spinning frames, three mules, with speeders, warping machines, dressing frames, and reeler, with every thing necessary for running the mill. The machinery is in complete order. There are one hundred and sixty acres of land situated on both sides of Saluda River, furnishing water-power sufficient to drive 100,000 spindles. The cottages for operatives are in good order; and the situation a very healthy one. The establishment, independent of the negroes, cost the present Company upwards of \$100,000. Persons desirous of treating privately for it, will apply to R. W. GIBBES, President. Columbia, S. C., Nov. 24. 13 3

NEWELL'S PATENT SAFETY LAMP AND LAMP FEEDER—Warranted to prevent all accidents from the use of Burning Fluid, Camphene, and other explosive compounds used for the production of light. This invention is applied to Solar and Camphene Lamps. For sale, wholesale and retail, by Newell & Co., Sole Manufacturers, No. 8 Winter st, Boston, and New York by G. W. McREARY, 426 Broadway.

CERTIFICATE—College of Physicians and Surgeons, New York, Oct. 17, 1852. We have examined the Patent Safety Lamp and Lamp Feeder, of Mr. John Newell, of Boston, and are fully convinced, from the experiments we have made with them, that he has obtained the great desideratum of preventing the risk of explosive action in the use of burning fluids in Lamps and Feeders. In this respect we entirely concur in the opinion of Prof. Silliman, and Drs. Hayes and Jackson. JOHN TORREY, Prof. of Chemistry, Wm. H. ELLET, Prof. of Chemistry.

WEIK & WIECK, Publishers, 195 Chestnut st., Philadelphia, have issued F. Ahn's new, practical, and easy Method of Learning the German Language, with a pronunciation arranged according to J. C. Oehlischlager's recently published Pronouncing German Dictionary. First and Second Course, bound; price 37 1/2 cents. Also a Pronouncing German Dictionary: German and English and English and German Pocket Dictionary, with a pronunciation of the German part in English characters and English sounds; 850 pages, 15mo; bound, embossed backs; price \$1. The trade furnished at a discount. 13 4

WOODBURY'S PATENT PLANING MACHINES—I have recently improved the manufacture of my Patent Planing Machines, making them strong and easy to operate, and am now ready to sell my 24 inch Surfacing Machines for \$700, and 14 inch Surfacing Machines for \$650 each. I will warrant, by a special contract, that one of my aforesaid machines will plane as many boards or plank as two of the Woodworth machines in the same time, and do it better and with less power. I also manufacture a superior Tonguing and Grooving Machine for \$350, which can be either attached to the Planing Machine, or worked separately. JOSEPH P. WOODBURY, Patentee, Border st, East Boston, Mass. 13t

E. HARRISON'S UNEQUALLED FLOUR AND GRAIN MILLS—Their frames and hopper are cast-iron, and the stones French Burr, 30 inches to four feet diameter. Thirty inch mill grinds 20 bushels an hour, weighs 1400 lbs.; cash price \$200. These mills, constructed upon a new principle, have become widely known, and are producing a revolution in milling. Cash orders promptly supplied, and the mills warranted to work in the best manner. The patentee offers \$500 reward for any mill which will do an equal amount of work with the same power and dressing. Made and for sale at the corner of Court and Union streets, New Haven, Conn., by ELWARD HARRISON. 13 4*

WANTED—One or two active business mechanics, with \$1500 or \$2000 capital, to invest in a planing, sash, and other machines, to connect with an establishment, consisting of large and commodious buildings, a good and almost new engine and other machinery, already put up in a pleasant, healthy, and flourishing town in the South. References required and given. Inquire at 45 South street between 9 and 10 A. M., or by letter addressed "DE-SAIX," care of Munn & Co. 13 2*

FOUNDRY FOR SALE—The Columbus Foundry, in Columbus, Miss., is offered for sale on the most liberal terms. The Foundry has a 15 horse-power engine and boiler; also a good grist mill, and attached to it the moulding room, 45 by 60 feet; all the tools and patterns will be sold with it. A good stand to do a good business; no foundry near. For further particulars and terms, &c., address A. R. WOLFINGTON, Columbus, Miss. 13 3*

R. W. PARKER'S PORTABLE SAWING MACHINES, driven by his patent method of banding pulleys, as manufactured by C. W. & R. Bemis, of Waltham, Mass., for sale all complete, or with the iron works separately, by HORACE F. FARRINGTON, Nos. 46 and 48 Wooster st., N. Y. 13 4*

CHURCH CLOCKS—On a new and improved principle, warranted perfect time-keepers, and easily kept in repair. Prices from one to three hundred dollars. Old clocks regulated on a new principle, and warranted to keep perfect time. Address, CHAS. FRED. JOHNSON, 13 4* Owego, Tioga Co., N. Y.

BLISS' IMPROVED MORTISING MACHINE—Illustrated on page 220, Vol. 3, Sci. Am. These machines are made by J. W. BLISS, Hartford, Ct., and on the receipt of \$25 will be boxed in good order and sent by Express to any part of the country. 12 4*

THE SATURDAY EVENING POST—The Leading Literary Weekly.—Over thirty-one years have elapsed since the Saturday Evening Post was commenced; its circulation being now greater than at any former period. The publishers design giving, during the coming year, with other original matter, the following novelets: "Clara Moreland," by Emerson Bennett; "Miss Thusa's Spinning Wheel," by Mrs. Lee Hentz; "A Stray Patch from Aunt Hannah's Quilt," by Mrs. Frances D. Gage, of Ohio; "The Lost Heiress, a Story of Howlet Hall," by Mrs. E. D. E. N. Southworth, author of "The Deserted Wife," etc., together with Agricultural Articles, General News, Engravings, Miscellaneous matter, Humorous Sketches, Foreign Letters, &c. Terms (cash in advance): Single copy, per annum, \$2; 4 copies, \$5; 9 copies, \$10; 14 copies, \$15; 21 copies, \$20. Address DEACON & PETERSON, No. 66 South 3d st., Philadelphia. Sample numbers sent when requested. 12 3

50-HORSE STEAM-ENGINE FOR SALE.—A new and superior Engine and Boilers, with all connections, &c., complete, and ready to be put in operation without further additions. The above, with plain exterior finish, is made of the best of materials and with the utmost attention to perfection of construction, arrangement and workmanship. For further particulars, apply to J. CUMMINGS, Columbia Foundry, Duane-street, New York. 1*

CLOCKS FOR CHURCHES, PUBLIC BUILDINGS, &c., Time-Pieces for Vestry and Session Rooms, Railroad Stations, Banks, Offices, etc., of various styles and prices; Regulators for Jewellers, with different-sized movements, plain and jewelled (in plain cases or others of an entirely new pattern and unequalled elegance), all of which possess the important improvements introduced by the undersigned, and which warrant an accuracy of time-keeping unequalled in Europe or this country. Glass and other dials for illuminating, showing the time distinctly night and day. Address SHERRY & BYRAM, Oakland Works, Sag Harbor, Long Island, N. Y.

"At the Oakland Works of Sherry & Byram there are made some of the finest clocks in the world."—[Scientific American.] "Mr. Byram is a rare mechanical genius."—[Jour. of Commerce. 13 26eow

STEAM ENGINES FOR SALE.—We offer for sale two Engines and Boilers, as follows: one 3 horse, horizontal, cylinder 7 inches bore, 16 inch stroke, on a cast-iron bed, fly wheel, driving pulley, governor, pump, pipes, etc.; has never been used. The Boiler has been used by the maker about one year. It is cylinder, horizontal, 16 feet long, 30 inch diameter, has a steam chamber, try-cocks, check and safety valves; price, \$600. One 7 horse Horizontal Engine, 6 inch bore, 16 inch stroke, cast-iron bed-plate, driving pulley, etc. Boiler horizontal, tubular, and has everything complete for putting it in operation. The engine is new, the boiler has been used, but is in good order. Price \$500. They are rare bargains, and will give satisfaction to the purchaser, being much less than new ones can be obtained. Address MUNN & CO.

COTTON MACHINERY FOR SALE.—Four Filling Frames, of 144 spindles each, made in the best manner and nearly new; price \$1 per spindle; other machinery for sale equally low. Apply to E. WHITNEY, New Haven, Conn. 11 6*

IRON FOUNDRY MATERIALS.—vis.: American hard white and grey Pig Iron; No. 1 Scotch Pig Iron; Iron and Brass Moulding Sand; Fire Sand and Fire Clay; Core Sand and Flour. English and Scotch patent Fire Bricks—plain, arch, and circulars for cupolas. Pulverized Soapstone and Black Lead, Sea Coal, Anthracite and Charcoal Foundry Facings of approved quality, always on hand and for sale by G. O. ROBERTSON, office 135 Water street, (corner of Pine), N. Y. 11 6*

PATENT EXCELSIOR STRAW, HAY, AND CORNSTALK CUTTER—Premiums awarded at the following Fairs:—Pennsylvania Agricultural Society, Lancaster, Pa.; New York State Agricultural Society, Utica, N. Y.; Rhode Island Ag. So., Providence, R. I.; Georgia Ag. So., Macon, Ga.; South Carolina Ag. So., Charleston, S. C.; Franklin Institute, Philadelphia, Pa.; Provincial Agricultural Association, of Toronto, Canada West. Having increased our facilities for manufacturing, we shall hereafter be able to execute all orders promptly. E. T. TAYLOR THOMAS & CO., 104* 125 Pearl st. N. Y.

WOODWORTH PLANING MACHINES, on hand and manufactured to order, of superior quality, at reduced prices, warranted perfect. Also steam engines and other machinery, by JOHN H. LESTER, 57 Pearl street, Brooklyn, L. I. 12 4*

UNITED STATES STANDARD RULES—Manufactured by JOS. K. BROWN, Providence, R. I. Agents: A. J. Wilkinson, No. 2 Washington st., Boston; J. N. D. Wyckhoff, 152 Broadway, and Sibenmann & Quartier, 15 John st., N. Y.; Homer Foot & Co., Springfield, Mass.; John S. Gray, Hartford, and J. G. & F. H. Brown, New Haven, Conn.; W. F. Dominick & Co., Chicago. 12 4*

EXHIBITION OF WORKS OF AMERICAN INDUSTRY at Washington City.—The first exhibition of the Metropolitan Mechanics' Institute will be opened on Thursday, the 24th of February, 1853, in the new and splendid hall of the east wing of the Patent Office, one of the largest and most magnificent rooms in the United States, being 275 feet long by 70 feet wide. To this exhibition the manufacturers, mechanics, artists, and inventors, from all portions of the Union, are cordially invited to contribute. The hall will be opened for the reception of goods on Monday, the 14th of February, and the exhibition will positively close on or before Thursday night, March 17. Circulars, containing detailed instructions, will be forwarded and any further information given, on application (post-paid) to the Corresponding Secretary, Charles F. Stansbury, to whom all communications on the business of the Institute should be addressed. 8t

THE TROY IRON BRIDGE CO. are prepared to erect Iron Bridges or Roofs, or any kind of bearing trusses, girders, or beams, to span one thousand feet or under, of any required strength, in any part of the country. Their bridges will be subjected to severe tests, and can be built for about the price of good wooden ones. Address BLANCHARD & FELLOWS, Troy, N. Y. 7 20*

1852 TO 1856.—WOODWORTH'S PATENT Planing, Tonguing, Grooving, Rabbeting, and Moulding Machines.—Ninety-nine hundredths of all the planed lumber used in our large cities and towns continues to be dressed with Woodworth's Patent Machines. Price from \$150 to \$700. For rights in the unoccupied towns and counties of New York and Northern Pennsylvania, apply to JOHN GIBSON, Planing Mills, Albany, N. Y. lamt

BAILEY'S SELF-CENTERING LATHE—The best in America for Chair Stuff, Wagon Thills, Rake, Fork, Hoe, and Broom Handles. Persons wishing this Lathe, warranted to do twice the work of any other lathe, by applying to L. A. SPALDING, Lockport, N. Y., can be supplied. The following certificate of Birge & Brother, extensive chair manufacturers, at Troy, N. Y., is to the point:—"After making a perfect and thorough trial of Bailey's Self-Centering and Self-Adjusting Lathe, we can cheerfully recommend it as in every way calculated to perform its work in the best manner—as it is the best Lathe we have ever used in our manufactory; and having used many different kinds, we feel safe in asserting that it is probably the best machine of the kind in use. BIRGE & BROTHER, Francis Miller, Lucius Foot, Turners for B. & B." 3 3m

BEARDSLEE'S PATENT PLANING MACHINE and Planer.—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. The number of plank or boards fed into it is the only limit to the amount it will plane. For rights to this machine apply to the patentee at the abovesaid foundry—or at his residence No. 764 Broadway, Albany. GEO. W. BEARDSLEE. 23t

MACHINERY.—S. C. HILLS, No. 12 Platt-st. N. Y. dealer in Steam Engines, Boilers, Iron Planers, Lathes, Universal Chucks, Drills; Kase's, Von Schmidt's and other Pumps; Johnson's Shingle Machine; Woodworth's, Daniel's and Law's Planing machines; Dick's Presses, Punches and Shears; Morticing and Tenoning machines; Belting; machinery oil, Beal's patent Cob and Corn mill; Burr mill and Grindstones; Lead and Iron Pipe &c. Letters to be noticed must be post-paid. 1t

MACHINISTS' & MANUFACTURERS' TOOLS. O. SNOW & CO., Union Works, Meriden, Ct. Having increased their facilities for manufacturing Lathes, Planers, &c., have now on hand, finished and finishing off, Slide Lathes, a variety of sizes and lengths, at prices varying from \$125 to \$800, according to size and finish; also Hand and Power Planers for iron, 2, 3 1/2, 6, and 10 feet beds; also Milling Machines, Hand Lathes with or without iron beds, comprising six different sizes, all of the most approved construction and warranted of the best quality of work. 9 7*

LEONARD'S MACHINERY DEPOT, 109 Pearl-st. and 60 Beaver, N. Y.—Leather Banding Manufactory, N. Y.—Machinists' Tools, a large assortment from the "Lowell Machine Shop," and other celebrated makers. Also a general supply of mechanics' and manufacturers' articles, and a superior quality of oak-tanned Leather Belting. 7t P. A. LEONARD.

PATENT CAR AXLE LATHE—I am now manufacturing, and have for sale, the above lathes; weight, 5,500 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. The above lathe warranted to give good satisfaction. J. D. WHITE, Hartford, Ct. 39 26*

PAINTS, &c. &c.—American Atomic Drier, Graining Colors, Anti-friction Paste, Gold Size, Zinc Drier, and Stove Polish. QUARTERMAN & SON, 114 John st., Painters and Chemists. 1t

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.

DRAWING BOARDS—Patent; 23 by 29 inches, with extensive Scales and Sheet Fastener. Descriptive Circulars sent on application; \$10 for Board and T. Rule. Sent by Express. Address, post-paid, CHAMBERLIN & CO., Pittsfield, Mass. 50t

FALES & GRAY (Successors to TRACY & FALES), RAILROAD CAR MANUFACTURERS—Grove Works, Hartford, Connecticut. Passenger, freight, and all other descriptions of railroad cars and locomotive tenders made to order promptly. 1t

SHINGLES, SHINGLES, SHINGLES—WOOD'S latest improvement in Shingle Machines is becoming more generally used than any other ever invented, and is unquestionably the best machine now in use; it produces shingles from all kinds of timber in a very perfect and rapid manner. Machines and rights for sale. Apply to JAMES D. JOHNSON, Bridgeport, Ct. 9t

C. B. HUTCHINSON'S PATENT STAVE Cutting Machines, the best in use, and applicable alike to thick or thin staves; also his Head Cutting and Turning, and Stave Jointing Machines. For machines or territorial rights, apply to C. B. HUTCHINSON & CO., Syracuse, N. Y. 9t

POSTAGE STAMPS.—Post Office Stamps, of the denomination of 1, 3, or 12 cents, may be had at par by addressing MUNN & CO., Scientific American Office.

A. B. ELY, Counsellor at Law, 46 Washington st., Boston, will give particular attention to Patent Cases. Refers to Munn & Co., Scientific American. 13t

NEW HAVEN MANUFACTURING COMPANY, Tool Builders, New Haven, Conn., (successors to Scranton & Parshey) have now on hand \$25,000 worth of Machinists' Tools, consisting of power planers, to plane from 5 to 12 feet; slide lathes from 6 to 18 feet long; 3 size hand lathes, with or without shears; counter shafts, to fit all sizes and kinds of universal chuck gear cutting engines; drill presses, index plates, bolt cutters, and 3 size slide rests. The Co. also manufactures steam engines. All of the above tools are of the best quality, and are for sale at 25 cent. less than any other tools in the market. Cuts and list of prices can be had by addressing as above, post-paid. Warehouse No. 12 Platt st., New York, S. C. HILLS, Agent N. H. Munn & Co. 45t