

TO CORRESPONDENTS.

J. H. S., of Md.—Yours has been received. T. N. J., of N. H.—Your boat would not be propelled as fast as with a paddle wheel or screw—about half as fast. A. R., of Mass.—We cannot give you a positive answer. The probabilities are in your favor. N. A. L., of N. Y.—Your arrangement seems to be quite different from the one referred to, and we think you stand a good chance to obtain a valid patent. C. G., of Ohio—We cannot distinguish any patentable feature in your method of constructing gates; we should understand it better from an examination of a sketch and a further description, which you can send. R. F., of Ct.—The ball and socket principle has been applied to almost every machine known, and the adaptation of it to the Vise would not be patentable. A. F. S., of Ga.—We cannot well attend to procuring an ear trumpet for you; it is not exactly in our line of business. C. W. M., of Vt.—Gates so constructed as to open at the approach of a train of cars, and close after they have passed highways, &c., have been often suggested, but none have ever come into use. Heretofore all the contrivances we have seen for operating the gate have appeared impracticable. J. B., of Liverpool.—We will get up engravings of your patent Central Fire Gun, and publish them one time, with a description, for £3. The engravings could not appear in our columns but once under any circumstances. S. C., of Va.—If you will look into your plan for changing the reciprocating into a rotary motion, and vice versa, you will see it has the defects of the crank, and none of its merits, for it has the extra friction of the slides. The manner of changing the motion has long been known and used. No patent could be obtained. U. B. V., of Pa.—The device represented in your's of the 5th inst. is well known and could not be patented. It is now used for many different purposes. J. W., of Mass.—There is no possibility of getting a patent for the same plan is old and well known. G. B., of N. Y.—Babbitt's metal boxes are the best. R. T. T., of Pa.—An application for a patent is now pending at the Patent Office for an invention essentially the same as yours. G. P., of Md.—The two dollars were applied as you instructed. R., of Tenn.—Yours will receive our earliest attention. J & P. P., of —.—The last week's Sci. Am is a suitable one. G. W. W., of Mass.—If you like to wait we will publish full rules in some part of this volume. J. E. A., of Conn.—Your shell bullet is the same as that used in some of our cannon, and could not be patented. C. C. N., of N. Y.—We perceive no essential difference between your drawing of the feed cutter and the one patented by H. W. Bertholf, Esq., of Sugar Loaf, N. Y. T. J. C., of S. C.—We are unable to inform you who does furnish the machines. A. McQ., of Ga.—See, under head of "Correspondence," in last week's paper, the reply to C. L. C. D. K., of Vt.—The engine and boiler has been sold. C. F. Mann, of Troy, constructs a good portable engine. S. P., of N. Y.—You could not get a patent for the placing of the cylinder in any position to plane the boards: all positions are claimed by the Woodworth patent. A. B., of Ohio—Your Governor is new to us, and we believe it is patentable, but we do not think it is as good as other governors. The fees of the Patent Office would be \$30,—our fees from \$20 to \$30. W. O. O., of Ala.—Your funds were received on the 6th inst inst., and your account balanced. Money received on account of Patent Office business or the week ending March 6. J. H. S., of N. Y., \$30; C. B., of Ohio, \$50; S. R., of N. H., \$40; H. G. DeW., of N. Y., \$37; C. H. P., of N. Y., \$30; F. O., of N. Y., \$45; G. W., of Ct., \$20; J. N., of Ct., \$25; J. B., of N. Y., \$20; R. S. R., of Ky., \$55; F. W., of Pa., \$30; H. T. P., of N. Y., \$10; E. H., of N. Y., \$50; W. & P., of Mass., \$23; J. H. G., of Ohio, \$30; T. B. W., of Pa., \$29; P. L. Van H., of Ct., \$30; E. G. O., 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 March 6: S. R., of N. H.; J. N., of Ct.; J. B., of N. Y.; T. B. W., of Pa.; P. L. Van H., of Ct.; E. G. O., of N. Y.

Patent Laws, and Guide to Inventors.

We publish, and have for sale, the Patent Laws of the United States. The pamphlet contains not only the laws but all information touching the rules and regulation of the Patent Office. Price 121-2 cts. per copy.

An Important Paragraph.

Whenever our friends order numbers they have misread—we always send them if we have them on hand. We make this statement to save time and trouble, to which we are subjected in replying when the numbers called for cannot be supplied.

The Post Office Laws do not allow publishers to enclose receipts; when the paper comes regular subscribers may consider their money as received.

Subscribers ordering books or pamphlets are particularly requested to remit sufficient to pay postage.

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.

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Table with 3 columns: Lines, Rate per line, Total cost. 4 lines for each insertion, 50 cts. 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.

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ZINC PAINTS—THE NEW JERSEY ZINC CO. will supply their pure Zinc Paints at the following prices:—No. 1, white ground in oil, 9c. per lb.; No. 2, do., 8c. per lb.; No. 3, do. 7c. per lb.; brown and black, 5 1-2c. per lb.; dry white zinc 6c. per lb. White zinc paint after several years use in Europe and the United States, has been found to retain its protective properties longer than any other paint, and for whiteness and brilliancy is unrivalled; it is free from poisons; while the same weight covers from 40 to 100 per cent. more space according to surface than the same weight of lead paint. Their Brown and Black zinc paints form a hard metallic coating upon wood, brick, iron, &c., which defies the corroding action of salt water. Dealers supplied on liberal terms by MANNING & SQUIER, Agents, No. 45 Dey street, New York.

CLOCKS FOR CHURCHES, PUBLIC BUILDINGS, RAILROAD STATIONS, &c., and REGULATORS FOR JEWELLERS.—The undersigned having succeeded in counteracting entirely the influence of the changes of the temperature upon the pendulum, and introduced other important improvements in the construction of clocks, are prepared to furnish an article, superior to any made in the United States, (the highest grade warranted to vary less than two minutes in twelve months). Glass dials for illumination furnished. 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.]

ELLIPTICAL PATENT PLANING MACHINE for planing, tonguing and grooving boards and other materials. This machine was patented on the 23d of December last, and is in full operation at the Phoenix Steam Mills, at the foot of Brown street Philadelphia. It produces work equal if not superior to any machine now in use, both as to quality and quantity. The lumber planed by this machine is as well adapted for being painted as that planed by hand, the fibre of the wood not being compressed after being planed. Also the elliptical stone cutter for facing marble, granite, and other substances as well as for chipping dye stuffs, can be had by applying by letter or otherwise to James M. PATTON, Philadelphia.

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 \$760. For rights in the unoccupied towns and counties of New York and Northern Pennsylvania, apply to JOHN GIBSON, Planing Mills, Albany, N. Y.

STEAM ENGINES AND BOILERS.—The patentee is now ready to supply orders for steam engines with Ayer's Patent Improved Boiler of any size required. These boilers occupy but little space, can be set up without brick work, and will make more steam with the same fuel than any other boilers. A self-acting feeder furnishes a constant supply of water, preventing thereby, in a great degree, the danger of explosion. Where doubts are entertained as to the superiority of these boilers, I will be content to receive for the right one-fourth of the value of the fuel saved by their use. Portable engines furnished to order. E. AYER, Patentee, Norwich, Conn.

TRACY & FALES, RAILROAD CAR MANUFACTORY—Grove Works, Hartford, Conn. Passenger, freight, and all other descriptions of railroad cars and locomotive tenders made to order promptly.

A PARTNER WANTED.—Who will defray the expenses of obtaining a patent for a new invention of general utility in foreign countries, and share the profits. The invention is equally useful to all civilized nations, and any one may designate what countries they wish to be interested in and obtain more information by addressing, post-paid, Box 68, Bellows Falls, Vt.

MECHANICAL DRAWINGS.—J. H. BAILEY, draughtsman, agent for the sale of patent rights, inventions, machinery, &c., office, Tryon Row Harlem Railroad Buildings, opposite City Hall, 26 2\*

MALLEABLE IRON FOUNDRY, EASTON, Mass.—The subscriber continues to manufacture castings of every variety, for machinery and other purposes, of the best quality, at the above establishment. We have facilities for making castings 5 1-2 feet in length. Persons wishing castings can send patterns to Eastern Express, Boston, Mass. All letters will be promptly attended to. DANIEL BELCHER. 2110\*

NEW HAVEN MANUFACTURING COMPANY, Tool Builders, New Haven, Conn., (successors to Scranton & Parshey) have now on hand \$25,000 worth of Machinist's 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 are also manufacturing steam engines. All of the above tools are of the best quality, and are for sale at 25 per 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. HILL, Agent N. H. Man'g Co. 25tf

WHITE'S TUBULAR SUSPENSION BRIDGE. The subscribers would respectfully announce that they have recently obtained Letters Patent for the above invention, and are now prepared to contract for, and build at their own risk, bridges extending any required length short of two thousand feet at one span, and sustaining any specified weight. The principles involved in the construction of this bridge, combining as it does the practicability of spanning long reaches, together with strength, economy and durability, have secured it the favorable notice and admiration of many of our most skillful and scientific men. Those interested in Bridge building, may address either of the proprietors. AMMI WHITE, 17 Prospect street, Boston. JOSHUA P. THAYER, Cambridgeport, Mass. 25 3\*

DRAUGHTING BOARDS.—CHAMBERLIN'S PATENT, 23x29 inches, 28 feet of various scales, arranged for draughting of all kinds with dispatch, and mechanical device for ready adjustments of draught sheets, of thorough made and elegant appearance, approved by the American Institute, N. Y., and various other authority. Price with T rule \$10, can be sent by express. Address, post paid, H. W. CHAMBERLIN, Pittsfield, Berkshire Co., Mass. 24 4\*

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, completely; 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, Ct. 23 10\*

TO ARCHITECTS, SCULPTORS, &c.—The Commissioners of the Greene and Pulaski Monument Lottery Fund, offer Three Hundred Dollars for an approved design for a Monument, to be erected to the memory of Count Pulaski, in Chippewa Square, Savannah. Architects, Sculptors, Designers, &c., are invited to offer plans and specifications for selection, and to evince their own taste and judgment as to design, with no other limit than the cost, which must not exceed \$17,000. Designs will be received until the 1st day of April, 1852, by the subscriber, from whom any further information may be had. WM. P. BOWEN, Secretary. Savannah, Geo., Jan. 13, 1852. 21 6\*

TO FELLOE AND SNATH MAKERS.—The undersigned having purchased the entire right of A. W. Johnson, for his machine for bending carriage felloes, &c., are now prepared to sell State or county rights for said machine; having used said machine for several years, we know it to be a saving in timber of 30 per cent, and more expeditious. Persons can see one of the machines at work at the manufactory of W. S. Johnson & Co., St. George's, Del.; also felloes of all kinds. Shafts and carriage stuff always on hand, and at prices to suit dealers in the above. WM. G. JOHNSTON & Co., St. George's, Del. 22 10\*

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., 1851. This machine is simple, durable, and effective, and is boxed and shipped for the low sum of \$20. MUNN & CO.

A CARD.—The undersigned begs 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 (Stubbs) and Swiss Files and Tools; also his imported and own manufactured Mathematical Drawing Instruments of Swiss and English styles—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. 23 13\*

IRON FOUNDERS MATERIALS.—viz.: fine pulverized Sea Coal, Anthracite and Charcoal, Black Lead and Soapstone Facings, Iron and brass moulding sand; Core sand and flour; English Fire Bricks for cupolas, &c. Fire Sand and Clay—for sale by G. O. ROBERTSON Liberty place, (near the Post Office) N. Y. 23 10\*

\$150 REWARD.—One hundred dollars for complete working drawings, with elevation of the same, of the most elaborate and best-proportioned Stationary Horizontal High Pressure Engine; bore 12 inches, stroke 30 inches. The design must combine with ornament, simplicity and cheapness of construction, and yet be susceptible of extreme finish, with as little hand labor as practicable. Fifty dollars reward, also, for the best Upright Engine, with same combinations, bore 10 in. stroke 20. The above are wanted for a special object, and the different designs will be submitted to a competent committee, who will make the awards. Heater, pump, and connections, and fly wheel must be included.—Refer to W. B. Leonard, 60 Beaver st., N. Y. Open till March. Mail to A. Z. & Co., New York. 24 3

VENTILATION.—In reference to the advertisement which I have had in this paper for some time, and also in reference to the reward offered by F. M. Ray "for the best method of excluding dust from cars when in motion," I beg to inform car building companies, railroad companies, and steamboat companies, that my patent includes the Ventilation of all these vehicles, and covers the whole ground of "excluding dust," &c. I expect to be in New York and Boston some time next month, of which notice will be given in some of the daily papers, as also of the place where I may be found. H. RUTTAN, Coburg, Canada, Feb., 1852. 24 5\*

TO COTTON MANUFACTURERS AND MACHINISTS.—The undersigned having had thirty-five years' experience in the manufacturing and machine business, is desirous of obtaining a situation as foreman or agent in the above branches; would have no objects to go South or West; the best of reference can be given. Letters addressed to CHARLES E. MOORE, Greenville, Mercer Co., N. J., will be attended to promptly. 24 4\*

J. ADAMS & SONS, AMHERST, MASS.—Patent Felly Machine. Belden & Colton, 98 Chamber st. New York; John B. Wynn, Antlerston C. House, S. C.; Agents for sale of rights of machines and territory. W. Fishman & Co, Baltimore, Md.; P. A. Leonard, New York City; Agents for sale of Machines. 25 4\*

POST'S PATENT SLIDING DOOR FRONTS—for stores and Public Buildings; a new, cheap, and simple fixture for securing store fronts, which renders them fire and burglar proof, has been invented and patented by the subscriber, who is now prepared to sell rights. Messrs. Quarterman and Son, 114 John st., N. Y., are general agents. Address, (post-paid) Wm. POST, Architect, Flushing, L. I. 25tf

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. 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 abovenamed foundry—or at his residence No. 764 Broadway, Albany. GEO. W. BEARDSLEE. 23tf

WATTS & BELCHER, Manufacturers of Steam Engines, Lathes, Planing Machines, Power Presses, and Mechanics' Tools of all descriptions. Orders respectfully solicited and punctually attended to. Washington Factory, Newark, N. J. 7 20\*

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. 23tf

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; Mordanting 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. 26 tf

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, 208 Broadway. 17 12\*

WOOD'S IMPROVED SHINGLE MACHINE.—Patented January 8th 1850, is without doubt the most valuable improvement ever made in this branch of labor-saving machinery. It has been thoroughly tested upon all kinds of timber and so great was the favor with which this machine was held at the last Fair of the American Institute that an unbought premium was awarded to it in preference to any other on exhibition. Persons wishing for rights can address (post-paid) JAMES D. JOHNSON, New Haven, Ct.; or WM. WOOD, Westport, Ct.; All letters will be promptly attended to. 22tf

THE EXCELSIOR Sand and Emery Papers. are offered as new and superior articles, being manufactured by an improved process; the paper is made from the best Manila hemp, and consequently is very strong and lasting; the grits of the sharp-est and most enduring kind, and is firmly attached to the paper with a remarkable evenness of surface; their freeness from ridges, stripes, and other imperfections, recommend them to the notice of consumers. These papers have been used by many of our first mechanics, and are pronounced superior to all others. Every sheet is stamped WM. B. PARSONS, and warranted. Samples furnished at the office, No. 187 Water street, New York. WM. B. PARSONS, Sole Proprietor. 14 6m\*

P. W. GATES'S PATENT DIES FOR CUTTING SCREWS.—Patented May 8th, 1847.—This Die cuts Screws of any size, V or square thread, by once passing over the iron. Also, Lead Screws for Lathes, Hoisting Screws, &c. All orders for Dies and Taps, with or without machines, will meet with prompt attention by addressing P. W. Gates, or Gates & McKnight, Chicago; Marshall, Bement & Colby, Philadelphia; Woodburn, Light & Co., Worcester, Mass. References—All the principal machine shops in New York, Philadelphia, and Boston. 13 6m\*

MACHINIST'S TOOLS.—Marshall, Bement & Colby, (successors to E. D. Marshall & Co) Calowhill street, west of Schuylkill Third, Philadelphia, Pa., are prepared to make to order, and keep on hand Machinist's Tools, such as Planing and Compound Planing Machines, on a new and improved plan, Slide and Hand Lathes, Upright and Horizontal Drills, Upright Boring Machines, Improved Screw and Bolt Cutting Machines, with P. W. Gates' Patent Dies and Taps, or with the common Dies, Gear Cutting Engines, Slotting and Paring Machines. Also keep on hand Washburn & Whiton's Patent Scroll Chucks, of all sizes. All orders by letter or otherwise will receive their prompt attention. E. D. MARSHALL, WM. B. BEMENT, G. A. COLBY. 21 10\*

CHAS. W. COPELAND, Consulting and Mechanical Engineer, Surveyor of Steam Machinery, &c., No. 68 Broadway, N. Y., superintends the construction of steam vessels and steam engines, and machinery of every description; specifications and contracts prepared; also general plans and drawings in detail furnished. Steam engines surveyed and valued, and condition reported. Mr. C. also acts as agent for the purchase and sale of steam vessels, steam engines, boilers, &c. 21 10\*

MANUFACTURE OF PATENT WIRE Ropes and Cables—for inclined planes, suspension bridges, standing rigging, mines cranes, derrick, tilters &c.; by JOHN A. ROEBLING; Civil Engineer—Trenton N. J. 47 1y\*

PATENT CAR AXLE LATHE—I am now manufacturing, and have for sale, the above lathes; weight, 5,500 pounds, price \$600. I will furnish a man with each lathe, who will turn and finish axles for 50 cents each, if desired. 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 lathes warranted to give good satisfaction. J. D. WHITE, Hartford, Ct. 7 6m\*

LOGAN VAIL & CO., No. 9 Gold street, New York, agents for George Vail & Co., Speedwell Iron Works, have constantly on hand Saw Mill and Grist Mill Irons, Press Screws, Bogardus' Horse-Powers, and will take orders of Machinery of any kind, of iron and brass; Portable Saw-mills and Steam Engines, Saw Gummers of approved and cheap kind, &c. Gearing, Shafting, large and small, cast or of wrought iron. 11 1y

HAWKIN'S Stave Dressing Machine.—Is now in operation in the city of Milwaukee, Wis., and will dress from 6 to 8000 staves per day, ready for the truss hoops, and at one operation. Rights for States and Counties, and also machines, for sale, apply to WM. HAWKINS, Patentee, Milwaukee, Wis. 15 20\*

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