

TO CORRESPONDENTS.

A. J. G., of N. Y.—You say you have had several papers sent you, advocating sundry lottery schemes, and wish to know if any of them can be relied on, and if intelligent men patronize them, and if you would be likely to receive fair play. Our advice to you is, to keep your premium money, and consider all such schemes as humbugs, and if any more papers come addressed to you from such sources, refuse to take them from the Post-office. We know of no intelligent men who patronize such institutions, or honest men engaged in such traffic, in this city or elsewhere.

D. T., of ———.—You want a circular saw of small diameter—no more than 10 inch. It should have a high velocity, be thick of plate, be fine in the teeth and set but very little from the ripping line.

J. D., of N. Y. City.—We never become pecuniarily interested in new inventions or patents, and could not be induced to under any circumstances.

G. & Co., Paris.—We wrote you per last steamer in reference to the Spanish patent.

G. H. W., of N. Y.—We have no correct proof that the polarity of the earth was ever changed. If the Bible is your authority that there were two races of antedeluvians on the earth, it should also be authority for the manner in which the flood was brought about.

B. F. B., of N. C.—A brake formed by having a friction strap round the shaft and a lever attached to it with a weight thereon, should modify the speed of the overshot wheel, by moving the weight backwards and forwards. We have never seen a brake used for this purpose; we can only give our theoretical views. If it will not answer, you will have to get up an extra shaft and get the changeable speeds by gearing.

W. L. W., of Tenn.—You perceive that Mr. Gilbert is out, in this number, against Lyman. In the matter of the machines you refer to, we can only refer to the back volumes of the Sci. Am. You had better have the assignment recorded.

C. F., of N. Y.—You may not be aware that it is common to use a reach, which admits of the extending the length of the truck. They are common for lumbering carriages here and elsewhere. We do not see any patentable arrangement in your plan.

J. H. B., of Mass.—India rubber has been used for stopples, but not as combined on your plan.

S. G. N., of N. H.—The method of gearing you submit is well known and could not be patented in any particular application. Numerous references could be given.

R. M. W., of Va.—The plan you describe for making oil faucets is neither new nor patentable.

W. R. K., of Miss.—It would cost about \$700 to get a patent for you in England.

I. D., of Ohio—Your advertisement will cost 75 cents each insertion. Please remit and indicate how many times you wish it to appear.

J. C. U., of Ind.—We know of no better material to use, in packing eggs to preserve them, than slacked lime.

D. H. P., of Mass.—We have never heard of your celebrated aurist (Dr. B.), but don't believe any one ever yet rendered the hearing organ perfect of one born deaf.

J. S. D., of N. Y.—The best work on the subject—Technology of the World—is the Encyclopedia Metropolitana. It is not exactly the work you want, but it is the best there is.

G. B., of Pa.—Battin's Coal Breaker has been decided to be different from the fluted rollers, as the objects accomplished are different.

M. R. L., of Ohio—We have never seen the same plan as yours for preventing cylinder heads being blown out; we believe it to be patentable.

C. B. H., of N. Y.—We know of no substance that will soften oil paintings without spoiling them; but the oil can be softened by turpentine.

J. B. W., of N. C.—The alkali water could not be patented as applicable to extinguish fires, as its qualities for that purpose are well known to chemists. Alum is much better than potash.

S. W. N., of Mass.—You will not gain any power by the length of a crank nor the air box, but by them you could equalize the action of the power, that is all; a like plan was presented in Vol. 3 Sci. Am.

A. C., of Ct.—You know that lead boilers have oftentimes been used. If you take a small glass tube and fill it partially with a colored fluid, and then apply a candle to the top, the fluid will rise.

H. A. J., of N. Y.—We will attend to getting up the table, &c., respecting the arches.

E. N., of N. H.—The whole expense to you would be about \$50; we cannot tell how it would pay you; this depends greatly on the way of managing a patent; a model is the first thing required in the application for a patent.

E. W., of Cincinnati—We do not know the machine noticed in your paragraph.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Feb. 7:—

H. L. H., of Vt.; P. J. C., of Ct.; N. W., of Mass.; C. F. C., of N. Y.; J. G., of Mass.; H. & D., of N. J. (2); A. Van N., of N. Y.; A. B. W., of Ct.

Money received on account of Patent Office business for the week ending February 7.

W. C. Van H., of N. Y., \$20; C. R., of N. J., \$20; J. M., of Ct., \$50; J. L. H., of N. Y., \$40; N. W., of Mass., \$20; P. J. C., of Ct., \$20; J. H., of N. Y., \$30; C. F. C., of N. Y., \$20; J. B., of N. Y., \$30; H. & D., of N. J., \$67; E. P. G., of N. Y., \$42; A. Van N., of N. Y., \$28; W. W. & Co., of Ct., \$32.

ADVERTISEMENTS.

Terms of Advertising.

One square of 8 lines, 50 cents for each insertion. " 12 lines, 75 cts., " " " 6 lines, \$1.00 " " "

Advertisements should not exceed 16 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 the 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. 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. MUNN & CO., Scientific American Office, 128 Fulton street, New York.

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.

DESIRABLE PROPERTY FOR SALE.—The Dekalb Manufacturing Co. will offer for sale their Cotton Factory, Corn Mill, and Tannery, near Camden, S. C. The situation is pleasant and healthy, offering a very desirable investment for capitalists; the water-power is amply sufficient for all purposes; within one mile of the terminus of the Camden and South Carolina R. R., affording daily opportunity for the shipment of goods. The Cotton Factory is now in operation, making Osnaburgs and Yarns, and contains 1680 spindles, 2030-inch cards, and 40 looms, in good condition, with machine shop attached, with lathes, cutting engines, etc. The Corn Mill received last year, as toll, 1400 bush. of corn: the Tannery has 36 vats, and bark mill. Will be sold on a credit of 1, 2, and 3 years, at public sale, 1st March; open for private sale until then. Apply to THOS. LANG or WM. ANDERSON, Camden, S. C. 22 3*

TO STAIR BUILDERS.—The "UNIVERSAL STAIR BUILDER," just published by R. A. Cupper, Architect, New York, is a new treatise on the construction of Stair Cases and Hand-Rails, showing plans of the various forms of Stairs, with a new method of sawing the twist part of any hand-rail and joints square from the face of the plank, and to a parallel width, the same as for any horizontal work—which can be done at the saw-mill for one-sixth of what it cost by hand; the saving of material and labor is from 50 to 100 per cent. This system is now adopted in New York, Philadelphia, and Boston. It is pronounced by the most scientific Stair Builders to be the greatest discovery ever made. Price \$6. For sale by Wm. Gowans, 178 Fulton st., N. Y.; Benj. Greene, 124 Washington st., Boston, and 240 West 28th st., N. Y. Books forwarded to any part of the United States an receipt of the money. 22 3*

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 all ways on hand, and at prices to suit dealers in the above. WM. G. JOHNSTON & Co., 22 10* St. George's, Del.

METALLIC LETTERS AND FIGURES FOR PATTERNS.—Price 3cts. 3cts. 3cts. 4cts. 4cts. 4cts. Size, 5-16 3-8 7-16 1-2 9-16 5-8 3-4 6cts. 1 in.; 7cts., 1 1-4 in.; 8cts., 1 1-2 in.; 10cts., 2 in. Also Gothic Style: 3cts., 1 1/4 in.; 4cts., 1-1/2 inch. Manufactured by COWING & CO., Seneca Falls, N. Y. Orders solicited. They can be sent to any part of the Union, either by Mail or Express, as all packages are weighed and sent the cheapest way. 22 4*

LATHE WANTED.—Wanted a new or good second-hand Engine Lathe, about 12 to 18 feet long, and that will swing 30 to 50 inches. Address, post-paid, box 187, Harrisburg, Pa. 21 2*

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 INVENTORS.—I beg respectfully to suggest that the establishment of a National Inventor's Institute, with regularly organized branches, would be the best means to assist your efforts to superintend your interests, and protect your patent rights. JAMES NIXON, Petoski, Wisconsin. 21 5*

STEAM BOILER, of 2 1-2 horse power, (Bentley's Patent) with pipes and fixtures in complete order. PRICE, \$125. Enquire 78 Suffolk st., of I. L. & D. I. RIKER. 21 2*

ONE DOUBLE ENGINE of six-horse power, second-hand, used about one year; the size of cylinders, 4 inch bore and 12 inch stroke, and furnished with pump, regulator, and all attachments; the boiler is horizontal tubular, 7 feet long, 3 1-2 inches in diameter, and requires no brick to set it, the fire being made inside the boiler. The above engine will be sold for \$400 cash, delivered in New York. MUNN & CO.

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 Planing 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*

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. 21 10*

A STEAM ENGINE of 30 horse-power, for sale, with two boilers, furnace front, grate bars, copper pipe, heater, double-acting pump for cold and hot water; also Judson's patent Governor Valve, and Noyes & Allan's Metallic Packing—all complete and ready to be put in operation immediately. For particulars address HENRY BAGMEISTER, Steam Engine Builder, Schenectady, N. Y. 19 4*

CLOCKS FOR CHURCHES, PUBLIC BUILDINGS, RAILROAD STATIONS, &c., and REGULATORS FOR JEWELLERS.—The undersigned having succeeded in counteracting effectually 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 in every respect (the highest grade warranted to vary less than two minutes in a year) to any made in the United States. Ample opportunity will be afforded to test their qualities. Glass (illuminated) dials of the most beautiful description 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. 19 17.]

EUREKA! NEW YORK AHEAD OF THE World!—Patent Premium (Silver Medal, 1851, Amer. Inst.) Corn and Cane Stalk, Hay, and Straw Cutter. Berthoff's machine is warranted, after a test of 3 years, to surpass any machine of the kind ever offered in the United States,—strong words, but "FACTS are not assertions." It will cut, and leave in better condition, corn or cane stalks (almost any machine will cut hay or straw) and save 40 per cent. of material. It being impossible for the inventor to visit the different sections of the United States, he has concluded to offer State or County Rights to manufacture and sell his patent machines: a profit of 33 per cent. can be readily realized by manufacturing. Sales are unlimited. For information in regard to State or County rights. Address (post-paid) ENGELBRECHT & HOOVER, Attorneys and Agents for the Patentee, 257 Broadway, New York. 19 4*

A. B. WILSON'S SEWING MACHINE, justly allowed to be the cheapest and best now in use, patented November 12, 1850; can be seen on exhibition at 195 and 197 Broadway (formerly the Franklin House, room 23, third floor), New York. Rights for territory or machines can be had by applying to 19 4* WM. S. LOVELL, Agent.

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 grit is of the sharpest and most enduring kind, and is firmly attached to the paper with a remarkable evenness of surface; their fineness 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. E. PARSONS, and warranted. Samples furnished at the office, No. 187 Water street, New York. WM. E. PARSONS, 14 6m* Sole Proprietor.

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*

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.

TO MACHINISTS.—William B. Parsons, Manufacturer of the "Excelsior" Sand and Emery Paper, has on hand a very superior article of Corundum, suitable for emery purposes. This has been thoroughly tested at the Nashua Lock Works, Nashua, New Hampshire, and is proved to be second only to emery, and perfectly free from dust and extra grains of grit. For sale in any quantity, and all numbers, at 187 Water st., N. Y. WILLIAM B. PARSONS. 20 4*

VENTILATION.—Mr. Ruttan, of Coburg, Canada, is desirous of an opportunity to direct the erection (for ventilation) of a good dwelling or school house in the city of New York. For particulars inquire at the Scientific American Office. 15 10*

SCRANTON & PARSHLEY, Tool Builders, New Haven, Conn., have on hand six 12 ft. slide lathes, 28 in. swing; also four 8 ft. do.; 21 in. swing, with back and screw gearing, with all the fixtures; one 5 ft. power planer; 12 drill presses, 4 bolt cutting machines, 30 small slide rests; 5 back geared hand lathes, 21 in. swing; 15 do. not geared; 8 do. 17 in. swing on shears 5 1-2 feet; 25 ditto with and without shears, 13 in. swing; counter shafts, all hung if wanted suitable to the lathes. Scroll chucks on hand; also index plates for gearcutting. Cuts of the above can be had by addressing as above, post-paid. 9 1/2

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 above-named foundry—or at his residence, No. 764 Broadway; Albany.—GEO. W. BEARDSLEE. 5 1/2

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. 9 1/2

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 Machines; Woodworth's, Daniel's and Law's Planing machines; Dick's Presses, Punches and Shears; Morticing and Tennoning machines; Belting; machinery Beal's patent Cob and Corn mills; Burr mill and Grindstones; Lead and Iron Pipe &c. Letters to be noticed must be post-paid. 13 1/2

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. 23 1/2

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 tennoning machines; wood planing machines &c. Steam Engines and Boilers from 5 to 100 horse power. Mill Gearing—wrought iron shafting; brass and iron castings made to order. Cotton and Woolen machinery furnished from the best makers. Cotton Gins; hand and power presses. Leather Banding of all widths made in a superior manner; manufacturers' Findings of every description. P. A. LEONARD. 10 1/2

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 1 1/2*

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 not be surpassed. JOHN R. TRACY, THOMAS J. FALES. 14 1/2

MCCORMICK'S PATENT REAPERS AND MOWERS.—1700 of these machines, for which the great Medal of the World's Fair was awarded, are being manufactured at Chicago, Ill, with the intention of supplying the South-eastern States for the next harvest. The gold medal of the Chicago Institute was recently awarded for this Reaper and Mower, tested against two other mowers, in cutting prairie grass; and the first premium of the State Agricultural Societies of Wisconsin, Michigan and Pennsylvania, were also awarded at their late Fairs. Price \$120 at Chicago, and \$122 delivered at Philadelphia; terms otherwise accommodating. 9 1/2

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 lathe 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 1/2

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 once 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. 13 1/2