

TO CORRESPONDENTS.

E. B., of Mass.—You will not infringe on any patent, neither have you produced anything new; see volume 5 of our paper for a number of engravings illustrating it.
J. P. C., of Vt.—You have never read "Monge's Statics;" we have only to say, that time and pressure must enter into your calculations. No power applied is lost but by friction—resistance. There is no such thing as "swallowing up power by velocity;" pressure and velocity measure power: no more can be obtained by machinery than that applied: you have a wrong idea of what power is—without motion there is no mechanical power.
J. B. S., of —.—Yes, there is a work for the purpose stated, it is "Practical Mineralogy and Assaying;" it is published by Lindsay & Blackstone, Philadelphia.
J. P. P., of Ala.—A patent would be refused upon the ground that it was a method well-known to chill the surface of various mechanical devices, and was merely an application of a well-known process.
J. Y. S., of Pa.—We do not wish to become interested in your invention; it is a thing we cannot do. The application of iron to cribs could not be patented; if you have a new method of constructing them a patent could be obtained: \$1 received.
A. M. P., of Ohio.—The principle involved in your combination is essentially similar to Rouse's Patent; there is no doubt of its good qualities.
M. O. G., of La.—In the treatment of saccharine juices so much has been written that we are at a loss to know what would be best for you: practice is what you want as a guide.
H. T. E., of Sandusky City—Your favor of the 4th, enclosing a draft for 35 subscribers, came safe to hand, and each name has been entered for Volume 7. We are very much obliged for so fine a list: it is next to the largest we have received from one place where no agents are located. The rates you have taken are correct, and you can order more as you state.
M. W. H., of Ind.—The application of the spring to the purpose specified by you, could not be patented, and you are advised not to make an application. \$2 received.
C. B., of Ohio—Previous to the receipt of your favor of the 7th, we had written you imparting all the information we possessed in the matter of your inquiry.
E. B., of New York—We do not know of a single factory for making the dextrine in this country; we believe it is all imported; we do not know whether it would pay or not—that would depend on the price it could be manufactured for; we could give you information of where to go and find out the selling price.
J. S., of Ky.—Will you be pleased to read Mr. Conger's opinion carefully; he does not state the velocity of the wheel moving with that of the water, but the escaping water; if a wheel moves faster than the entering water, where does its velocity come from? There must be something wrong somewhere; give the subject closer attention in reference to this point.
P. M. L., of Hartford—Acetic acid is the pure acid of vinegar; it occurs, ready formed, in several products of the vegetable kingdom, and is generated during the spontaneous fermentation of many vegetable and animal juices; by real acetic acid is meant such an acid as occurs in a dry acetate; it cannot exist in an uncombined state.
G. McF., of Ct.—A patent was issued to R. Cook for the same device; it is now on exhibition at the Fair, and was illustrated in Vol. 5, Sci. Am.
A. S. B., of N. Y.—Your dollar came duly to hand, and the papers were sent some days since.
W. F. R., of Pa.—Two copies of Minifie's Drawing were forwarded to your address last Thursday week.
M. M., of Wis.—The Commissioner's letter was forwarded to your address on the 11th inst.
E. B. P., of Tenn.—Your subscription is paid up to No. 52: Mr K's to No. 26, and the back numbers have been sent. The value of a patented article depends, in many cases, upon the importance of the location, and patentees cannot embrace all this information in the published notice. We have thought of your suggestions before. \$5 received.
R. E. J., of N. Y.—Etherine is a peculiar carburetted hydrogen, which has also been regarded as the basis of ether: it was named etherum by Dr. Kane, and is identical with the etherite of Berzelius. Ether is produced by the distillation of alcohol with an acid: it is sometimes distinguished as sulphuric ether, from the mode of preparing it; but, when well rectified, the ether is the same, whatever acid has been employed.
T. A. C., of R. I.—We overlooked your address; the engine has not yet made its appearance in this section: we shall illustrate it soon.
H. A., of Ill.—The law requires assignments to be recorded in the Patent Office within three months after they are executed; if you have an agreement with the parties they cannot avoid paying you the price specified.
W. H. P., of Pa.—There is no work, that we are acquainted with, upon the teeth of saws, but we have seen some with an angle tooth and a beam tooth intermediate. Experience is the only true guide in respect to the number of teeth and their form; the form you send is good for a circular saw, and there can be no doubt but for a circular saw, to run in one direction, the common form of teeth is not scientific.
D. W. H., of Ill.—It is not possible for us to understand the description of your Seed Drill; the reason of this is owing to your sketch being so obscure,

L. H., of Pa.—Your arrangement of the drill appears to be good; no model is required when a caveat is filed. The government fee is \$20, and goes as two-thirds of the fee when application is made.
C. M. R. & Co., of Ohio—Your letter of the 22nd ult. came duly to hand; the Daniel Planing Machine is not made in this city, and we forwarded your letter to Messrs. Ball & Rice, Worcester, Mass., for attention.
K. E., of N. Y.—We do not know of any sugar refiner like yours; there are, however, several very efficient machines for the purpose in this country. \$2 received for the Sci. Am.
L. S., of Wis.—There is a chance for a patent on the "Grinder" if it is new; we can judge on this point much better from a sketch and description, or a model.
Money received on account of Patent Office business for the week ending October 15th.
T. G., of Mass., \$20; D. A. B., of Pa., \$30; A. L. S., of N. Y., \$25; T. S., of N. Y., \$50; L. K., of N. Y., \$50; S. R., of Md., \$30; J. C. S., of N. Y., \$40; W. V., of Md., \$73; L. C., of Ct., \$30; W. H., of Wis., \$10; J. P. H., of N. H., \$30; J. D., of Pa., \$30; R. A. S., of Ky., \$20; C. H., of Pa., \$20; C. & McD., of Pa., \$50.
Specifications and drawings belonging to parties with the following initials have been forwarded to the patent office during the week ending Oct. 18th.
T. G., of Mass.; L. N., Jr., of Mass.; T. S., of N. Y.; A. L. S., of N. Y.
We have some communications so long and tedious that we shall require a fee for reading and attending to them. Parties who furnish pages and pages of manuscript, expecting us to attend to them, must afford us proof that they value the labor of others.
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, all, 20 Nos.; price 50 cts.
Of Volume 5, all, price in sheets, \$2; bound, \$2.75.
Of Volume 6, all: price in sheets, \$2; bound, \$2.75.
New Edition of the Patent Laws.
We have just received 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. The pamphlet contains not only the laws but all information touching the rules and regulations of the Patent Office. We shall continue to furnish them for 1851.
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.
Postage on Books.
Subscribers ordering books or pamphlets through us are particularly requested to remit sufficient to pay postage, or we cannot attend to their orders. We are obliged to pay from 10 to 50 cents every time a pamphlet or book is sent by us through the post, and the justice of our demand is made apparent.
On Sending Receipts.
It is not generally understood that it is in strict violation of the Post Office Laws of this country to enclose in the paper a receipt for money on account of subscription: such being one of the restrictions with which publishers have to contend under our present odious Postal Laws, we hope our patrons will excuse us for not granting their request to send receipts in defiance of law, but consider their money has come to hand providing the paper comes to them regularly: our custom being never to continue the paper after the time for which it was prepaid has expired.

ADVERTISEMENTS.

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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 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. In the item of charges alone, parties having business to transact abroad, will find it for their interest to consult with us, in preference to any other concern.
MUNN & CO., Scientific American Office, 128 Fulton street, New York.

WE HAVE FOR SALE, a bound set of the London Patent Journal; consisting of the first 10 volumes. It is a valuable work for the Inventor, Mechanic, or manufacturer. The last Volume comes up to near March 29, 1851. Price \$30.
MUNN & CO.

Foreign Patent Office.

MESSRS. MUNN & CO. transact business connected with Patents in all European countries, where this species of property is recognized. They take pleasure in referring parties to Smith Dunning, Jr., N. Y.; Ebenezer Barrows, N. Y.; Charles Starr, Bible House; William Van Anden, Poughkeepsie; Mortimer & Gardiner, Charleston, S. C.; William Bushnell, N. Y.; J. S. Prouty, Geneva, N. Y.; Gail Borden, Jr., Galveston, Texas, and to all others for whom they have done business.

PATENT FELLY MACHINE.—This machine, for cutting fellys for wheels, is superior to anything of the kind for that object; with it, cutters are used instead of saws, and are easily adjusted to produce any required circle, in common use, leaving them perfectly smooth, thereby making a great saving of expense in dressing them for use. This machine was patented in 1850. For machines, or county and State rights, address JOSEPH ADAMS & SON, Amherst, Mass.; J. B. Wynne, Agent for the State of S. C. P. S.—Agents wanted to travel in Southern and Western States, to sell rights for the above machine. Good references will be required. 6 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 & Son, 114 pohn st., N. Y., are general agents. Address (post paid) Wm. POST, Architect, Flushing, L. I. 6 3m

ALCOTT'S LATHES.—I would say, in regard to the Alcott Lathe I purchased of you about a year ago, that it will perform all that it is represented to, and could I not get another I would not take \$50 for it, so that you need not be afraid to recommend them. F. R. BARTLETT, 2tf Galesburg, Ill.

TILTON'S Patent Violin.—The undersigned having patented his Violin Improvement, is prepared to exhibit to the public. Being now in New York, he may be found at No. 18 Park Place (Mr. J. Wiley's), where he will be pleased to see such gentlemen as take an interest in his invention. All communications addressed "Wm. B. Tilton & Co.," as above, or at Carrollton, Pickens Co., Ala. 3 12\* W. M. B. TILTON.

LEROW & BLODGETT'S PATENT ROTARY SEWING MACHINE.—The undersigned, having purchased the right to use, sell, and manufacture these machines for the States of Alabama and Mississippi, and their other business engagements preventing them from giving it their personal attention, they are disposed to sell out their right to the above-mentioned States, or counties in them, if preferred, upon favorable terms. To an energetic and industrious man we will sell upon such terms as will insure a large and handsome profit. Apply to Mr. W. SCRUGGS, of the firm of Messrs. Scruggs, Drake & Co., Charleston, S. C., or to Wm. MATTHEW, Decatur, Ala. 4 8\*

STEAM ENGINES FOR SALE.—One 8 horse power engine, boiler, heater, and apparatus complete—price \$750; one 5 horse two cylinder engine, with governor, pump, and band wheel—price \$200; one 6 horse ditto (new)—price \$225. Also, now finishing on hand, slide and hand lathes, upright drills, mortising machines, &c. Inquire of CARPENTER & PLASS, corner of Hester and Elizabeth streets New York. 4 4\*

PROFESSOR ALEX. C. BARRY'S TRICOPHEROUS OR MEDICATED COMPOUND.—Professor Barry does not hesitate to put his Tricopherous, for the two grand requisites of efficacy and cheapness, against any preparation for cleansing, renewing, preserving, and strengthening the Hair, that has ever been advertised or offered for sale. He challenges the associated skill and science of the medical world to produce, at any price, an embrocation that will reduce external irritation, cure ordinary cutaneous diseases and severe cuts, sprains, pains, &c. Price 25 cents per bottle. To be obtained, wholesale or retail, of Mr. A. C. BARRY, 137 Broadway. 4 3m\*

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, 2re 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. Complete 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. 5tf.

PORTER'S IMPROVED FORGE TUYERE.—This Tuyere has proved itself the best in existence; the advantages that it possesses, if made use of, will add to the profits of the fire from 25 to 50 cents a day more than can be made on any other tuyere. With it the blast can be regulated effectually and kept clear of clinkers, and it gives the smith every command of his fire that he can wish; it operates perfectly, is durable, and cannot be put out of order. A vast amount of evidence can be shown of its great superiority, from this city and elsewhere. I will sell the rights for counties or States, or to any man or set of men wishing to engage in a good speculation, I will sell the entire patent. Address ROBT. L. PORTER, Philadelphia Hotel, Jersey City. 5 3\*

ENGINE AND HAND LATHE.—The undersigned, agents for the Guilford Manufacturing Co. offer, at low prices, for sale Lathes of various descriptions, from 2 feet to 20 feet shears, with or without Screwgear. BOYD & KEEN, No. 11 Gold street. 5 2\*

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 (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. 6 9\*

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 gear cutting. Cuts of the above can be had by addressing as above, post-paid. 47tf

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. 5tf

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. N. Y. and Flushing L. I. N. Y.; by QUARTERMAN & SON Painters and Chemists. 48tf

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; Mortising 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. 1tf

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, 1tf 25 Platt-st. N. Y.

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 ease the length of changing the dies and patterns to the size required. It will turn smooth over sweeps or compositions of 3-4 to the inch and work as smoothly as on a straight lathe and does excellent work. Sold without frames for the low setting up. Address (post-paid) MUNN & CO. At This Office. 4 8\*

KELLY & CO., New Brunswick, N. J. Foundry and Mach. shop, manufacturers of stationary Engines, India Rubber Machinery, Mill Gearing, and stove castings &c. Articles made in the machinery line to order with dispatch and in the most workmanlike manner. Parties wanting machinery or castings made will be waited on within any reasonable distance. Orders solicited. 47 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, Easton, Conn.; or WM. WOOD, Westport, Ct. All letters will be promptly attended to. 37tf

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. 45tf

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\*

RAILROAD CAR MANUFACTORY.—TRAFFIC & 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 workmanship and workmanship, beauty, and good taste, as well as strength and durability, we are determined our work shall not be unsurpassed. JOHN R. TRACY, 39tf. THOMAS J. FALES.

BEST CAST STEEL AXLES AND TYRES, (a new article,) for Railroad Carriages and Locomotives. The quality of this steel is sufficiently attested in the announcement that it has carried off the first prizes awarded at the World's competition of 1851, in London. The axles are in general use on the Continent, and are now offered in competition with any other that can be produced; and to be tested in any way that may be desired by the engineers of the United States, either by impact or by torsion. This steel is manufactured by Fried Krupp, Esq., of Essen, in Rhenish Prussia, represented in the United States by THOS. PROSSER & SON, 28 Platt st., N. Y. 2tf.

TO ENGINEERS.—A new Work on the Marine Boilers of the United States, prepared from authentic drawings and illustrated by 76 Engravings—among which are those of the fastest and best steamers in the country—has just been published by B. H. BARTOL, Engineer, and is for sale at the store of D. APPLETON & CO., 200 Broadway. 1 12\*