

TO CORRESPONDENTS.

N. S., and A. C. of R. I.—We have received your draft of a water wheel; it presents to us many defects of principle, which have before been tried and laid aside; it will not give a good percentage of power in comparison with the common turbine.

G. W. D., of N. Y.—The press, as you say, by coupling two, can print an endless sheet, but a revolving form on an endless apron, has nearly to describe a rectangle, and it never could run fast, it would be subject to great friction and breakage. The rotary press is the fastest, and a reciprocating press the next best motion. The plan of pipes for the carbonic acid could not be patented.

R. A. S., of Louisville.—It is probable that your former agents have a power of attorney to transact the business with the department, and unless that is surrendered, and one given to us, it would be of no use for us to wastetime and money in attempts to secure a hearing; some movement must be effected in this respect before we can proceed unembarrassed.

C. W., of Tenn.—We have never seen a parallel motion exactly like yours, it is a mathematical problem of great beauty. The great object in engines, however, has been to get rid of bell cranks and joints to produce the common parallel motion.

J. C. P., of La.—We shall endeavor to profit by your hints.

E. B., of N. Y.—We are much obliged to you for your very beautiful problem.

W. B., of Ind.—We can send you a copy of the American Miller for \$1.50. We do not know the exact price, but think this amount will cover the price and postage. \$4 received.

A. U. S., of Pa.—No new work has been issued of late upon millwrighting, such a one at least as you would like. Evan's work is too old.

J. K. J., of Pa.—It should have been \$7.50 instead of \$15 which we acknowledged. The double spiral conical spring is well known; it is employed extensively in spring mattresses, several of which were on exhibition at the Fair. No patent was ever obtained and could not be.

M. McD., of Va.—We have a drawing in our possession representing a potato-digger essentially similar to yours: we should think it patentable, and in case you should apply, you have only to establish your right to the invention, and a patent would, we think, be issued.

A. N. N., of Md.—Dr. Maynard, we believe, resides in Washington, D. C.

B. D. S., of Va.—We do not see how a patentable claim can be based upon your air-tight box; it is only the application of a contrivance well known, to produce a new result, and we advise you not to apply: \$4 received, and much obliged.

J. M. P., of S. C.—We are not well acquainted with dealers here, but believe Messrs. Phelps & Kingman sell considerable furniture in your section; perhaps you could arrange with them or W. S. Humphreys, 157 Chatham street: you might write them in regard to the matter.

J. P. H., of N. H.—Your suggestions were regarded, and the caveat forwarded to the Patent Office last Friday.

D. E. McD., of N. Y.—The interlineation made by you was quite proper and should have been made by us. For receipt of your fees see proper column.

A. & W. B., of N. Y.—We have no blank deeds on hand, but can get you any quantity printed should you require them. You are required to furnish a new model.

E. W., of O.—Your papers were forwarded to Washington as you directed; the address of your paper has now been changed as you requested.

H. J. A., of Ct.—We have not a copy of the Spinner to send you. We should like to receive the subscriptions you mention as having been procured for us, but we cannot offer other inducement, than those published weekly in our prospectus.

W. O. H., of Pa.—We will send you one of the mortising machines on the receipt of \$20. You need not trouble yourself to send those odd numbers of the Scientific American which you refer to; they would be of no use to us.

J. M. B., of N. Y.—The paste of caoutchouc is made by dissolving india rubber in naphtha (coal oil); turpentine will do as well; we have never tried the marine glue for belts.

J. P. L., of Selma.—In the numbers of the Scientific American sent, you will find our opinion of the Annihilator fully stated.

E. W., of N. Y.—As we have not a single number of Vol. 3 on hand, the numbers you propose to send will be of no use to us. We have complete files of Volume 5; \$6 received.

Money received on account of Patent Office business for the week ending November 1.

J. P. S. & Co., of Ct., \$25; T. E. S., of Pa., \$30; D. H. T., of Vt., \$10; T. S. B., of Phila., \$20; A. & W. B., of N. Y., \$20; W. H. H., of N. J., \$20; D. E. McD., of N. Y., \$20; H. H. of Ct., \$30; A. D. B., of Ga., \$50; J. W. M., of Vt., \$28; B. & Co., of N. Y., \$55.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Nov. 1:—

J. C. S., of N. Y.; G. H. D., of Mass.; C. H., of Pa.; I. C., of Ct.; T. S. B., of Phila.; L. K., of N. Y.; T. E. S., of Pa.; A. & W. B., of N. Y.; D. E. McD., of N. Y.; J. P. H., of N. H.

An Important Paragraph.

To preclude our subscribing friends the necessity of writing for the back numbers of the Scientific American, we shall forward to all new subscribers the back numbers of Volume 7, dating their subscriptions from the commencement unless they instruct to the contrary when they remit. We shall pursue this

course of sending the back numbers issued on this Volume until No. 13, and after that time the names will be entered from the date of the reception or orders, unless the writer expresses a wish to receive the back numbers—in that case they will be promptly forwarded.

Those desiring Volumes 5 and 6 of the Scientific American are informed that we are able to furnish a few complete volumes (bound) at \$2.75 each. Also, we can send by mail sets complete, minus No. 1, Vol. 5, for \$2 each, Volume 6 being fully complete. We would also say, that whenever our friends order numbers they have missed—we shall always send them if we have them on hand. We make this statement to save much time and trouble, to which we are subjected in replying when the numbers called for cannot be supplied.

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.

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, about 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.

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.

ADVERTISEMENTS.

Terms of Advertising.

One square of 8 lines, 50 cts. 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. MUNN & CO., Scientific American Office, 128 Fulton street, New York.

VALUABLE WATER POWER and Machinery for sale in Virginia.

This property is situated on the Rivanna River and Virginia Central Railroad, within one and a half miles of the town of Charlottesville, and known as the "Charlottesville Factory." The river is navigable from Richmond to the spot. The property consists of an abundant water power, about 13 acres of land, a cotton and woolen factory, containing 552 spindles and 12 looms, with the usual accompaniment of machinery, wool cards, jack, &c., grist, plaster, and saw mills, iron foundry, brick store-house, and dwellings for some ten or a dozen families; also a variety of carpenters', machinists', and blacksmiths' tools, comprising cutting engine, lathes, screw tools, &c. The entire property will be sold at public auction on Thursday, Dec. 2nd next, on very accommodating terms. For further information address J. W. Saunders, J. A. Marchant, or the undersigned, Charlottesville, Va., 8 3*

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 Easton Express, Boston, Mass. All letters will be promptly attended to. DANIEL BELCHER. 8 10*

CLINTON FOUNDRY and MACHINE SHOP,

Nos. 502 and 504 Water street, and Nos. 239 and 241 Cherry street, for sale. The Foundry is in the best working order; cupola sufficient to cast a piece of three tons; a powerful crane, iron and wooden flasks, two core ovens, &c., in complete order for loam or green sand work. The machine shop is supplied with lathes and tools complete for all kinds of work; also a pattern and blacksmith shop attached, with the good will of a lease for nine years from May next. Will be sold separately or together; for further particulars apply to HECKER & BROTHER, Assignees of H. Waterman, 203 Cherry street. E. T. REANEY, Agent for Assignees. N. B.—A taut Oil Press for sale at a bargain, as above. 1*

LIST OF PRICES of Universal Screw Chucks,

manufactured and for sale by O. L. REYNOLDS, Dover, N. H.—4 inch diameter, \$12 6 inches, \$18; 6 inches, \$25; 12 inches, \$30; 15 inches, \$35; 18 inches, \$40. 7 4*

TRAUTWINE ON RAILROAD CURVES.—

By John C. Trautwine, Civil Engineer, Philadelphia; just published and for sale by WM HAMILTON, Actuary of the Franklin Institute. Price \$1. "This is a really good work, and we heartily recommend it to our civil engineers."—[Scientific Am. "We have carefully examined this work, and regard it as the best that has yet appeared on the subject, &c."—[Am. Railroad Jour. 8 10*

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 John st., N. Y., are general agents. Address (post paid) Wm. POST, Architect, Flushing, L. I. 6 5m

TILTON'S Patent Violin.—

The undersigned having patented his Violin Improvement, is prepared to exhibit it 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 Carrolton, Pickens Co., Ala. 3 12* WM. B. TILTON.

LEWIS & 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 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. MAILLER, Decatur, Ala. 4 8*

PROFESSOR ALEX. C. BARRY'S TRICO-PHEROUS OR MEDICATED COMPOUND.—

Professor Barry does not hesitate to put his Trico-pherous, 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 and retail, of 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, 2c 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.

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 (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. SIBEMANN Importer of Watchmakers' and Jewellers' Files and Tools and manufacturer of Mathematical Instruments 154 Fulton st. 6 9*

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*

MACHINERY FOR SALE.—

Four dead spindle filling frames, 1-16 strand speeder, 1 warper, 1 lapper, &c. Also turbine water wheels, 6 ft. diameter, of most approved patterns, at \$275 each; a breast wheel, &c.; 20 feet long, and an iron under-shot water-wheel. ELI WHITNEY. 7 6* New Haven, Oct. 22, 1851.

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*

BROOM MACHINERY.—

The most improved and durable machinery for the manufacture of Brooms, for sale by JACOB GRAY, Scotia, Schenectady Co., N. Y. Address post-paid. 4 8*

IRON FOUNDRY MATERIALS.—

viz.: fine ground and Bolts Sea Coal; Charcoal, Lehigh, Soapstone and Black Lead Facing. Iron and brass moulding sand; Fire Clay, Fire sand and Kaolin;—also English, Scotch and Welsh Fire Bricks—plain arch, circular and tower cupola—for sale by G. O. ROBERTSON Liberty place, between 57 and 59 Liberty-st. (near the Post Office) N. Y. 7 12*

GREGORY'S PATENT EQUALIZER, for Engines using steam expansively.—

This invention largely economizes fuel, and may be attached, at a trifling cost, to any engine now working, high or low pressure, on land or water, City, County, and State Rights for sale. Terms and particulars may be had, by letter, or on personal application to T. B. ROBERTSON, Agent, 120 Water st., N. Y. N. B.—A liberal commission allowed. 7 4*

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 Atomic 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 Planes, 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 Tenoning 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, 28 Platt-st. N. Y. 1tf

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.

KELLY & CO., New Brunswick, N. J., Foundry and Machine 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 1856, 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 tenoning machines; wood planing machines &c. Steam Engines and Boilers from 5 to 100 horse power. Mill Gearing—wrought iron shafting; brass and iron castings 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. 48tf

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.—

TRA-CY & 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, 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 Friedr. Krupp, Esq., of Essen, in Rhenish Prussia, represented in the United States by THOS. PROSSER & SON, 28 Plattst., N. Y. 2tf.

TO ENGINEERS.—

A new Work on the Marine Boilers of the United States, prepared from authentic Drawings and Illustrated by 70 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*