

TO CORRESPONDENTS.

G. P., of Mich.—We shall give something more about the inks by-and-by.

C. H. R., of N. Y.—We do not know where a second-hand screw lathe can be found...

G. J. S., of Mass.—We think your Apple Pearing machine new in some respects...

W. & Co., of O.—We know of nothing that will effectually prevent iron or steel from rusting...

J. P. M., of La.—We know of no new process for soldering, different from what we have published in previous volumes.

D. T., of N. Y.—We charge \$1 for binding two volumes of the Scientific American in one cover.

M. C., of N. Y.—We will send you a copy of the History of Propellers, and pre-pay postage, for \$1.

A. N. T., of N. Y.—If you will send your volumes all down we will endeavor to have them done for you by the time specified.

W. N. M., of Va.—A patent was issued to Robert C. Marsh, on the 26th Dec., 1845.

A. C., of Conn.—We do not remember about the article on the boiler, but we do not believe that a rotary steam boiler can ever be made to work so economically as a stationary one.

J. C. B., of Texas.—The submerged tidal wheel is not patentable.

L. B., of Pa.—We are not agents for Lerow & Blodgett, and do not know anything about the matter.

M. S., of Ohio.—Your pump is in our opinion a decidedly novel, and would undoubtedly work, but whether advantageously or not, is a matter of experiment.

J. D. J., of N. C.—We think your invention quite a novelty, but we doubt its utility.

J. K. J., of Pa.—We do not exactly comprehend your meaning about the conical spring.

Dr. R. W. W., of Ala.—We will renew our exertions to obtain the work you want, and will send it by mail if successful.

C. A., of Me.—We have examined the sketch of your improvements in soldering machines, and think a claim can be made upon it which will pass through the office.

W. C., of C. W.—Will be on the look out for the information you require, and in case we succeed will inform you by letter.

J. M. B., of Ohio.—During the early history of railroads, various plans were adopted for ascending inclines—sometimes the tops of the rails were grooved and the wheels made to fit them.

E. S. Z., of Md.—Not being able to give such information as you desire about the price of chisels, we refer you to Messrs. Couch & Alcott, Oriskany Falls, N. Y.

T. B., of R. I.—We do not think the work you refer to could be of much service, you being unacquainted with the art.

H. B. S., of Vt.—You had better send a model of your invention, as we think it possesses novelty of a patentable character.

Money received on account of Patent Office business for the week ending September 27th.

H. M., of Pa., \$30; E. S., of Mass., \$50; J. S., of O., \$20; J. H. B., of Ct., \$15; D. T., of N. Y., \$30; J. R., of N. Y., \$30; A. W., of Mass., \$45; J. C. L. & Co., of Ct., \$50; P. & J. R. T., of Ct., \$50; W. H. N., of Ct., \$30; L. N., of Mass., \$30; W. H. B., of R. I., \$35; E. B. L., of N. Y., \$40; T. N. B., of Mass., \$15; A. C., of Ct., \$30; J. Van B., of N. Y., \$20; T. G., of Mass., \$30.

Specifications and drawings belonging to parties with the following initials have been forwarded to the patent office during the week ending September 27th.

T. B. W., of N. Y.; E. S., of Ct.; J. H. B., of Ct.; J. S., of O.; W. N., of Ct.; V. B. S., of Ct.; J. R., of N. Y.; W. C. B., of N. Y.; S. H., of Mass.; J. B. B. H., of Mass.; J. M. T., of N. Y.; S. W. & R. M. D., of Mass.; E. L. H., of N. Y.; J. Van B., of N. Y.

Binding Volume 6.

Subscribers who desire to get their volumes of the Scientific American bound, can have them executed in a substantial and uniform manner by sending them to this office. Price 75 cents.

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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.

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 regulation of the Patent Office. We shall continue to furnish them for 12 1-2 cts. per copy.

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.

ADVERTISEMENTS.

Terms of Advertising. 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.

WOODWORTH'S PATENT PLANING MACHINE.—Some estimate can be formed of the usefulness of the Woodworth Patent, and its title to favor, when one machine is computed to perform the labor of planing and grooving in one day that would require fifty days by a man, and which is supposed to reduce seventenths the expense of such work in every building where the improved method is used.

1851 TO 1856.—WOODWORTH'S PATENT Planing Machines in New York and Northern Pennsylvania—Ninety-nine hundredths of all the planed lumber used in our large cities and towns continues to be dressed with Woodworth's Patent Machine.

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.

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 Andem, Poughkeepsie; Mortimer & Gardiner, Charleston, S. C.; William Bushnell, N. Y.; J. M. Prouty, Geneva, N. Y.; Gail Borden, Jr., Galveston, Texas, and to all others for whom they have done business.

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.

MARSHAL, BEMENT, & COLBY.—Manufacturers of Machinists' Tools, Callowhill street, west of Schuylkill 3d, Philadelphia, are ready to execute orders for Slide and Hand Lathes, Planing Machines, Upright Drills, Upright Boring Machines, Screw Cutting and Tapping Machines with Gates' Patent Dies and Taps, Gear Cutting Engines, Shaft-Pulleys, Hangers, &c.

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.

A LARGE LATHE FOR SALE CHEAP.—A new Lathe, 16 feet long, swings 31 inches, turns 12 1-2 feet; has 25 changes of screw gear, weighs about 5,000 lbs., has counter shaft, &c. Price \$550, cash. Apply to S. C. HILLS, 12 Platt street, where the lathe can be seen.

HUTCHINS' CRANK INDICATOR.—The subscriber having purchased the entire right of Hutchins' Patent Crank Indicator, would respectfully inform the public that he is ready to supply orders or sell territory. The Indicator has been used aboard the "Northerner," "Bay State," "Cataract," "Niagara," "Ontario," and "Lady of the Lake," the Captains and Engineers of which have all given their testimonials of approbation.

WANTED.—A situation is wanted by a person capable of planing and constructing furnaces for smelting iron ore, or erecting rolling mills. He is an experienced mechanic, thoroughly conversant with the iron business, and would like a permanent situation in some of the Southern States.

Maryland Machine Manufacturing Co., having suspended operations, offer all their Machinery and Tools for sale. The assortment is large, has been in use but a short time, and is of the most improved kinds.

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.

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.

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.

SHINGLE MACHINES.—Manufactured to order at Albany, N. Y., at short notice; these machines are superior to any now in use; they are in use in several different States.

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.

PALMER'S ARTIFICIAL LEGS.—Manufactured at Springfield, Mass., and 376 Chestnut-st. Philadelphia, by Messrs. Palmer & Co.—All orders from New York and New England must be made to Palmer & Co. Springfield, Mass.

CHILD'S PREMIUM SAW MILL.—To Plank Road Contractors and Lumbermen generally.—The subscriber having obtained a patent for improvements in circular saw mills, by which large timber can be cut with as great facility as small, and with one half less power, and one-third less waste of timber than by ordinary mills, offers mills and rights on reasonable terms.

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.

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.

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.

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 Tenoning machines; Belting; machinery Beal's patent Cob and Corn mills; Burr mill and Grindstones; Lead and Iron Pipe &c.

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.

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.

MONTGOMERY MANUFACTURING CO.'S Iron Works, Montgomery Ala. Capital invested \$250,000. Steam Engines and Boilers; Reuben Rich's cast-iron centre water wheel and iron scrolls complete (the very best wheel in use) sugar mills, saw and grist mill irons of most approved patterns; iron and brass castings of every variety, &c.

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.

IRON FOUNDERS MATERIALS.—viz.: fine ground and Bolted 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 copula—for sale by G. O. ROBERTSON Liberty place, between 57 and 59 Liberty-st. (near the Post Office), N. Y.

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.

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.

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.

AARON KILBORN, No. 4 Howard st. New Haven—has on hand and is now finishing five 14 horse power engines; price including boiler and all fixtures \$1200; twelve of from 12 to 6 horse power—all of the most approved patterns—iron bed frame and pulley balance wheel. Galvanized Chain and fixtures for chain pumps always on hand and for sale.