

TO CORRESPONDENTS.

A. B., of O.—We shall forward the specification for you to execute, early next week.

A. G. S. S., of —.—We regard your apparatus as new and patentable, and we can see no objection to its operation; you had better send us a model, and inform us in what State you reside, that we may address you by letter. The model should not be over 12 or 15 inches square, and very substantially made.

J. B., of N. Y.—We have long been familiar with such a Corn Sheller as you mention; it could not be patented.

J. P., of N. H.—We have carefully examined the model of your alleged improvement in Rotary Steam Engines, and regret to state that it does not possess any novel features, such as would warrant you in making an application of it: you will find substantially the same plan among the oldest inventions of the kind. Examine Hebert and Galloway on the Steam Engine if you have a copy convenient.

T. D., of Ala.—We have never heard of your plan for preventing incrustations proposed, nor have ever seen it in use; it is new to us, and we like it; the only objection against it, is the power required to work it, and the increase of expense; the question to be asked and answered is, will it pay the expense? We could not say yea or nay. Could you not try the question of economy by experiments? We can vouch for its originality.

S. L., of N. Y.—The sale of oatmeal is limited, and we believe the business would not be profitable; still, we cannot tell so well about mercantile affairs; the process of making corn starch is not patented that we know of; it is kept somewhat a secret, and is a profitable business. To make the oatmeal, you would have to erect a kiln, and the common oats will not answer; if you could get a good sale for the meal the business would pay well, we believe.

J. F. R., of Pa.—Yours containing the description of Mr. S.'s invention, came duly to hand, and will soon be attended to.

Dr. B. H. W., of Ky.—Yours of the 20th ult. came duly to hand, covering \$4, in full for freight on model.

C. R. T., of N. Y.—Will please send us a sketch and description of his improved Car Box, that we may more fully understand the nature of the invention. The patent you refer to has not prevented the issue of several patents, and if you have a new way of accomplishing the same result, you are justly entitled to a patent for it.

H. G., of Mo.—There is nothing new in either of your inventions. The same ideas have been suggested to us before.

S. C. K., of Wis.—We have examined the drawings and description of your alleged improvement in the Theodolite and Circumferenter, it appears to be substantially similar to the one described in No. 32 Vol. 4, Sci. Am., by W. M. Wilson; we believe his worked well.

J. H., of Ala.—We see nothing patentable in your wind-mill; the same plan, substantially, is employed for mining purposes in Cornwall, Eng., plans of which we have examined.

A. C., of N. Y.—We have repeatedly stated that Prof. Morse is justly entitled to his invention in the Electric Telegraph, and that he can sustain it. The invention is one of great beauty, and confers great credit on his genius. We also believe his invention to be different from Bain's, and that the latter's claims were justly sustained by Judge Cranch, in his decision in March, 1849.

L. T., of Ohio.—It will be the province of a jury to decide on the evidence given by experts, and you must abide the rendering of the jury or appeal to the full bench of the Supreme Court at Washington; of the merits of the case we cannot, neither would we wish to examine into it, as we have no time to attend to it. We hope justice will be done.

Money received on account of Patent Office business or the week ending May 1:

D. D., of Pa., \$30; G. N., of N. Y., \$30; Z. H., of O., \$100; J. A. J., of N. Y., \$10; C. F. B., of R. I., \$30; Miss L. A. S., of Pa., \$50; A. P., of Mass., \$30; H. H., Jr., of N. Y., \$30; S. M. B., of Vt., \$32; J. T., of N. Y., \$20; G. S., of N. Y., \$25; J. O., of N. Y., \$15; W. D., of L. I., \$35.

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

J. C., of N. Y.; C. F. B., of R. I.; Z. H., of N. Y.; B. T. N., of Mass.; R. S. R., of Ky.; J. T., of N. Y.; J. S. M., of Vt.; G. S., of N. Y.; N. M., of Pa.; W. D., of L. I.

Inventors and their Models.

There are several small cases remaining at the various Express offices in this city, marked to our address, on which the expenses have not been prepaid. We would respectfully inform inventors that the Express charges on ten or a dozen cases daily, from every part of the Union, amounts to no inconsiderable expense, and that we shall, in future refuse to receive packages unless the Express fees have been paid, or the expense otherwise provided for. Parties who reside at a remote distance from the city, and cannot arrange for pre-paying the Express charges, should enclose a sufficient amount in a letter and send by mail.

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 but 4 numbers, price, in sheets, \$1. Of Volume 6, all; price in sheets, \$2; bound, \$2.75. Of Vol. 7, all back numbers at subscription price.

An Important Paragraph.

Whenever our friends order numbers they have missed—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.

City Subscribers.

Those of our subscribers who receive their papers from Carriers, and change their location on the 1st of May, will please leave their new address at the office.

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.

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.

ADVERTISEMENTS.

Terms of Advertising.

Table with 2 columns: Lines of advertisement, Price per line. 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.

All advertisements must be paid for before inserting.

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.

REGULATORS FOR STEAM ENGINES.

The subscribers having purchased of L. B. Pitcher the exclusive right to make, vend, and use his PATENT HYDRAULIC REGULATOR, are now prepared to attach the same to any Steam Engine or Water Wheel now in use, and warrant them to give a regular and steady motion to the Engine or Wheel; and in any case where they do not work as recommended, will replace the old Regulator at their own expense. Engines making fifty revolutions per minute, can be held, regardless of the kind of work to be performed, so as not to vary more than one half revolution per minute; the more sudden the change of work or steam, the quicker the Regulator moves the valve—a loss or gain of half a revolution will open or close the steam valve from one extreme to the other. THURSTON, GREENE & CO., Providence, R. I. 34 3\*

TO BUILDERS AND WORKERS IN WOOD

We are selling a very simple durable, and effective Mortising Machine for \$20, boxed ready for shipment. We have sold a large number within the last year, and they have given satisfaction. We furnish three chisels and a lever to operate them. Address MUNN & CO.

PROFITABLE INVESTMENT

One half the interest in the Machine Shop of E. W. Hudnutt & Co., at Geneseo, is now for sale upon advantageous terms. The shop is doing a prosperous business, employing 15 to 25 hands. The work—building steam engines and boilers, mill gearing, castings generally, grain drills, wheel cultivators, plows, and various agricultural implements. The shop is worked by steam, and has an extensive assortment of patterns, flasks, boiler tools, etc. Also a planing machine, lathes, vises, etc., all in good condition. The shop is situated in the shire town of Livingston, in the Genesee Valley, and for health, beauty of location, fertility of soil, advantages of society and schools, it is not surpassed in the U. S. A rare chance for a mechanic with a small capital. Possession given this spring or next fall. Address E. W. HUDNUTT & CO., Geneseo, N. Y. 34 2\*

BAROMETERS AND THERMOMETERS.

The undersigned manufactures all kinds of the above in box-wood, ivory, and metal; improved day and night thermometers for registering extreme heat and cold; wet and dry bulb thermometers; improved marine barometers; thermometers for sugar, bakers, brewers, etc.; hydrometers and levels—wholesale and retail. Repairing at the lowest prices. W. NORTON, 40 Fulton st., Brooklyn, N. Y. 34 2\*

PEPPER'S IMPROVED KNITTING MACHINES.

The subscriber is prepared to furnish, at short notice, power stocking looms of every size and gauge for making ladies' hose, men's half hose, shirts, and drawers, stocking net (for lining all kinds of rubber goods), or any other kinds of goods made on stocking looms; samples of goods sent to order, and looms warranted to make goods equal to sample. For further information address JOHN PEPPER, Portsmouth, N. H. 34 4\*

U. S. GAS CO.—Incorporated Feb., 1852, under the laws of this State, now offer to dispose of their patent to manufacture their Portable Illuminator, to responsible parties for States, counties, or towns throughout the Union.

Testimonials from scientific gentlemen, setting forth its advantages, can be seen at the office, 70 Beaver st., where we invite the public to inspect an apparatus which will inspire confidence with all, and convince any one that we can afford a most brilliant light for a small outlay. Residents outside the gas limits can have a gas apparatus for ten or one hundred lights furnished complete at an early day, by applying at the office between 10 A. M. and 5 P. M., where the terms can be known. W. C. DUSENBERY, Prest.; G. W. Pine, Secretary; Simeon Draper, Treasurer. 1\*

DAGUERRETYPE CAMERAS

A new article, of very superior quality, warranted fully equal to any ever produced in this or any other country; Daguerreotypes visiting this city will find it to their advantage to call at the establishment, 102 William st. L. CHAPMAN, importer and dealer in all kinds of Daguerreotype goods. 33 2\*

IRON FOUNDERS MATERIALS

—viz.: good American Pig Iron—grey, mottled and white; No. 1 Scotch Pig Iron, of favorite brands. Pulverized Sea Coal, Anthracite Charcoal, Soapstone, and Black Lead Facings. English and Scotch patent Fire Bricks—plain, arch, and circular, for cupolas. Fire Sand and Fire Clay. Iron and brass moulding sand; Core sand and flour; always on hand and for sale by G. O. ROBERTSON, 135 Water street (corner of Pine), N. Y. 33 6\*

STEAM ENGINE FOR SALE

—One of Hoe's upright square Engines for sale, of about five horse-power, price \$150; can be seen running daily. Apply at 47 Dey street, N. Y., in the rear, to C. H. ANDRUS. 33 2\*

LATHES FOR BROOM HANDLES, ETC.

—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 & 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. 33 2\*

JOHN W. GRIFFITHS

—Ship Builder and Marine Architect, 658 Fourth st., N. Y., furnishes models and draughts of all descriptions of vessels, with the computation of stability, capacity, displacement, and necessary amount of propulsion. Propelling power located and proportionally adapted to the form of the vessel, whether sailing or steaming. Mr. G. also superintends the construction of vessels, and may be consulted upon all subjects pertaining to the various departments of the science or practice of ship building. Draughts forwarded by letter to all parts of the world, and to any desired scale; all letters must be post-paid. 27 13\*

LEONARD'S MACHINERY DEPOT, 109

Pearl-st. and 60 Beaver, N. Y.—Leather Banding Manufactory, N. Y.—Machinists' Tools, a large assortment from the "Lowell Machine Shop," and other celebrated makers. Also a general supply of mechanics' and manufacturers' articles, and a superior quality of oak-tanned Leather Belting. 27 1\*

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\*

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. 26 1\*

A CARD

—The undersigned beg leave to draw the attention of architects, engineers, machinists, opticians, watchmakers, jewellers, and manufacturers of all kinds of instruments, to our new and extensive assortment of fine English (Stubbs) and Swiss Files and Tools; also our imported and own manufactured Mathematical Drawing Instruments of Swiss and English styles—which we offer at very reasonable prices. Orders for any kind of instruments will be promptly executed by SIBENMANN & QUARTIER, Importers of Watchmakers' and Jewellers' Files and Tools and manufacturers of Mathematical Instruments, 15 John st. 23 13\*

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. 25 1\*

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. 25 1\*

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. HILLS, Agent N. H. Man'g Co. 25 1\*

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. 23 1\*

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 abovementioned foundry—or at his residence No. 764 Broadway; Albany. GEO. W. BEARDSLEE. 23 1\*

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 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 1\*

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, Bridgeport, Ct.; or WM. WOOD, Westport, Ct. All letters will be promptly attended to. 23 1\*

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 freedom 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. 284 Pearl street, New York. WM. B. PARSONS, 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\*

CHARLES F. MANN, FULTON IRON WORKS.

Below the Troy and Greenbush Railroad Depot, Troy, N. Y.—The subscriber builds Steam Engines and Boilers of various patterns and sizes, from three horse power upward; also, his Portable Steam Engine and Boiler combined, occupying little space, economical in fuel, safe, and easily managed; Double Action Lift and Force Pumps; Fixtures and Apparatus for Steam or Water; Tools for Machine Shops; Shafting and Pulleys for Factories. Brass Castings and Machinery made to order at short notice. Steam engines furnished cheaper than can be had elsewhere, of the same quality. 30 1\*

N. G. NORCROSS'S ROTARY PLANING MACHINE

UNEQUALLED.—This machine took the first medals awarded to Rotary Planers at the Fair at Boston and at the American Institute, in the Fall of 1850. The Circuit Court, in the Eastern Circuit, held at Boston on the 24th Feb., before his honor Judge Sprague, decided, after a long and tedious litigation of two years, that the Norcross Machine does not infringe the Woodworth Patent; this was on a motion for a permanent injunction, which was refused without ordering a jury trial. Rights to use this patent are for sale by N. G. NORCROSS, Lowell, Mass. 29 8\*

IMPORTANT TO IRON FOUNDRIES

—The Galvanic Alloy Manufacturing Co., Nos. 401, 403, and 405 Cherry st., N. Y., will furnish the Aerostatic Fan Blower at \$55, and with patent fitting at \$65, that produce sufficient blast for the longest cupola, melting 3 and 4 tons of iron per hour; taking less than one half the power of those now in use, that cost from \$80 to \$100. The wings, being only about an inch in width (planned upon entirely new and mathematical principles), produce double the blast with half the power of other blowers. Warranted in all cases, or they may be returned and the money refunded. 29 1\*

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\*

BALLOONS

—From 1 to 1000 lbs. ascending power, made to order and warranted perfect. Also for sale, Wise's History and Practice of Aeronautics. No library is complete without this work: "It is the best book ever published on this subject."—Scientific Am. Octavo, over 300 pages; 13 plates; price \$2, delivered postage free to any part of the U. S. All letters (post-paid) addressed Lancaster, Pa., promptly attended to. JOHN WISE, Aeronaut. 32 5\*

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\*

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. 26 1\*