

TO CORRESPONDENTS.

G. W. S., of N. J.—You must submit your plans to Mr. Ray, at the opening of the next fair of the American Institute.

C. L., of Ohio.—We have examined yours of the 17th inst., and would state that the employment of a mirror for the purpose described, is absurd, and of no value.

G. W. S., of N. J.—We had a pendulum in our office a year ago, which covered all the points represented in yours.

I. H. B., of Ohio.—We think your saw-filer new and patentable, but would scarcely dare venture to praise or condemn it.

W. B. N., of Ten.—The loss allowed between the boiler and cylinder of a high pressure engine is about 3 per cent.

W. M., of Ill.—We could not give you the information by word; it is of a kind which alone can be acquired by practice.

E. T., of Va.—You will gain some power by the use of your re-action wheel. A model showing the improvement is all that is required.

G. W. C., of —.—A steam engine of ten horse power would answer your purpose. The cost, boiler and all, would be about \$1000.

I. R. K., of Geo.—The apparatus will not answer for making gas from pitch pine, but the common gas retorts will.

Booth's apparatus could be procured for. We believe, if resin is cheap in your place, that the common gas apparatus—the same as that used in cities, but smaller, would be found profitable and pleasant by you.

B. E. P., of Vt.—Tell your friend not to expend a single penny on machinery for pumping up water by chain pumps in expectation of gaining any power.

W. H. S., of La.—We have your favor of the 8th inst. You had better correspond with F. H. Smith, of Baltimore, about the machine.

C. C., of Mass.—The spring you suggest is not new; it has been long known. Hammers are sold so very cheap, that it would scarcely pay to construct such a handle as you offer for consideration.

W. N., of Ill.—The weight on the sash is an advantage to prevent vibration of the frame, but then it must be proportioned to the work it has to do.

H. G., of Mo.—We do not perceive any new feature in your method of constructing blinds, or in operating them.

Money received on account of Patent Office business the week ending February 28.

C. P., of N. Y., \$30; E. N., of N. H., \$35; C. W. G., of N. Y., \$30; S. T. F., of Ms., 20; D. H., of Va., \$30.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Feb. 28:—

J. M., Jr., of Ct.; S. B., of N. Y.

New Arrangement.

Several of our readers have expressed a wish to subscribe for some literary journal in connection with the Scientific American, not feeling able to take both.

An Important Paragraph.

Whenever our friends order numbers they have missed—we always send them if we have them on hand.

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.

New Edition of the Patent Laws.

We have just issued another edition of the American Patent Laws, which was delayed until after the adjournment of the last Congress.

ADVERTISEMENTS.

Terms of Advertising.

Table with 3 columns: Lines, Price per line, Total price. 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.

Advertisements already paid for will be continued until the expiration of the time for which they are paid, at former rates, and then discontinued, unless the parties manifest a desire to have them continued at the advance rate.

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.

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, 124 Fulton street, New York.

NEW HAVEN MANUFACTURING COMPANY, Tool Builders, New Haven, Conn., (successors to Scranton & Parshey) have now on hand \$25,000 worth of Machinist's Tools.

WHITE'S TUBULAR SUSPENSION BRIDGE.—The subscribers would respectfully announce that they have recently obtained Letters Patent for the above invention.

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J. ADAMS & SONS, AMHERST, MASS.—Patent Felly Machine. Belden & Colton, 98 Chamber st, New York; John B. Wynn, Anterson C. House, S. C.; Agents for sale of rights of machines and territory.

ENGINEER AND SAWYER WANTED.—Wanted to go to a beautiful and healthy situation in Florida, a practical Engineer and Sawyer, who is capable of taking charge of, and putting in operation, a small steam engine and portable saw mill.

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.

IMPROVEMENT IN PIANOFORTE.—CHROMATIC KEYS.—The difficulty of effecting rapid movements on the chromatic scale in running the fingers over the keys of the instrument, is well known to every practical musician.

TO BLACKSMITHS.—Porter's Patent Graduating Forge Tuyere, which has been proved to save \$75 per annum to each fire, and which was illustrated and described in the Scientific American of Sept. 6, 1851.

DRAUGHTING BOARDS.—CHAMBERLIN'S PATENT, 23x29 inches, 28 feet of various scales, arranged for draughting of all kinds with dispatch, and mechanical device for ready adjustments of draught sheets.

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.

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.

TO FELLOE AND SNATH MAKERS.—The undersigned having purchased the entire right of A. V. Johnson, for his machine for bending carriage felloes, &c., are now prepared to sell State or county rights for said machine.

TO COTTON MANUFACTURERS AND MACHINISTS.—The undersigned having had thirty-five years' experience in the manufacturing and machine business, is desirous of obtaining a situation as foreman or agent in the above branches.

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.

MALLEABLE IRON FOUNDRY, EASTON, Mass.—The subscriber continues to manufacture castings of every variety, for machinery and other purposes, of the best quality.

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., 1-4 in.; 8cts., 1-2 in.; 10cts., 2 in. Also Gothic Style: 3cts., 1-4 in.; 4cts., 1-2 in.

THE SUBSCRIBER is now finishing four 14 horse engines, with boiler and apparatus all complete—price \$1200 each.

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.

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.

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.

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.

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.

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.

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.

PATENT CAR AXLE LATHE.—I am now manufacturing, and have for sale, the above lathe; weight, 5,500 pounds, price \$600.

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.

HAWKINS'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.

A. B. ELY, Counsellor at Law, 46 Washington st., Boston, will give particular attention to Patent Cases. Refers to Munn & Co., Scientific American.