

CORRESPONDENTS

C. A., of N. Y.—Your several concentric tubes of thin metal with the spaces filled with cement...

H. P., Jr., of Tenn.—Yes, there has been several machines patented for sowing lime broadcast.

H. K. Alexander, of Pekin, Ill., writes that he has an inexhaustible supply of bituminous coal...

V., of N. Y.—We suspect you are half right regarding Cremona violins. They are, perhaps, estimated like old coins and medals...

J. A. B.—The Golden Rule has ceased to be published.

M. B., of N. Y.—Can you not give us more minute information respecting the application of the waste heat of smelting furnaces to generate steam...

T. W., of Ill.—The ventilation of houses is a subject on which it is very difficult to give advice...

L. B. T., of Pa.—Your stone cutting machine, as far as shown, is not new or patentable.

S. R., of Ky.—We advise you not to go on a hunting expedition to Africa in search of ivory.

C. T. M., of R. I.—You can drive a rotary pump by forcing water into it from a reciprocating pump...

J. W. H., of Mass.—Wine is made by pressing the grapes, then fermenting the juice in vats kept in a cellar...

E. B., of Pa.—Brushes constructed after the manner of fountain pens are not new or practically feasible.

C. E., of Ill.—We are happy to hear that you are in prospect of disposing of your patent on so good terms.

B. S. H., of N. C.—The price of volumes 6 and 7 is \$4.

C. H. G., of —We hope your discovery for casting gun barrels around "a round hole," as described, will prove of immense advantage to you.

TO PATENTEES AND ASSIGNEES.

Letters Patents belonging to the following parties are remaining at our office uncalled for...

IMPORTANT NEWS.

COMPLETE SETS OF VOLUME XII EXHAUSTED.—We regret that we are no longer able to furnish complete sets of the present volume.

GIVE INTELLIGIBLE DIRECTIONS.—We often receive letters with money enclosed, requesting the paper sent for the amount of the enclosure but no name of State given.

Terms of Advertising.

Twenty-five cents a line each insertion. We respectfully request that our patrons will make their advertisements as short as possible.

IMPORTANT TO INVENTORS.

THE UNDERSIGNED having had ELEVEN years' practical experience in soliciting PATENTS in this and foreign countries, beg to give notice that they continue to offer their services to all who may desire to secure Patents at home or abroad.

AMERICAN AND FOREIGN PATENT ATTORNEYS.

Office 128 Fulton street, New York.

RECEIPTS, with other matter useful to mechanics, free by mail for four letter stamp.

STEAM PLANING MILL FOR SALE.—Sited five miles from Boston by railroad...

AGENTS.—A few energetic persons can now secure an Agency for the "American Portrait Gallery."

GEORGE WASHINGTON.—The July number of Emerson's UNITED STATES MAGAZINE—the commencement of the New Volume—contains the opening chapters of the Life of George Washington...

SWISS DRAWING INSTRUMENTS.—A full stock of these celebrated instruments always on hand.

MACHINERY.—S. C. HILLS, No. 12 Platt street, N. Y. City, dealer in Steam Engines, Boilers, Pumps, Lathes, Chucks, Drills, Planers, Mortising, Planing, and Sash Machines, Woodworth's and Daniel's Planers; Dick's Punches, Presses, and Shears; Cob and Corn Mills; Harrison's Grist Mills; Johnson's Shingle Mills; Belting, Oil, &c.

MILLER'S PORTABLE HORSE POWER.

Plantation Sawmill—This is the only sawmill that can be operated to advantage by horse power.

ACTIVE BUSINESS AGENTS WANTED.—To sell Pratt's Safety Fluid Lamps, which cannot explode from any known cause.

WANTED.—Old Steam Boilers, 36 to 48 inches diameter, ten in number, or in all, 20 feet in length.

WATER POWER TO RENT.—On the Hudson River, thirty-six miles from New York, with a room 30x30, also attic and basement, with wing one story high 25x30.

AMERICAN FIRE ALARM TELEGRAPH.—Under patents to Channing & Farmer of May 4, 1852, and May 19, 1857.

VOICE FROM CANADA.—For \$1 in gold I will send a recipe for making all kinds of ink, sealing-wax, and waters; the black ink will cost six cents a gallon.

PROTECTION AGAINST FIRE may be secured by using the Fountain Pump, one of which should be in every house in the country.

IMPROVED MACHINE for Cleaning and Polishing Table Cutlery, (illustrated in Scientific American, June 6, 1857).

WOODWORTH PLANERS, STEAM ENGINES, &c.—Twenty-seven years' experience enables me to furnish Woodworth Planers for surfacing one or both sides planing and matching, rabbeting, heading, or for moldings or clappboards, in any variety of beautiful construction and great power.

1000 YOUNG MEN can make over 100 per cent. sure profits. Apply (enclosing one stamp) to M. J. COOK, Detroit, Mich.

TRUSTEE'S SALE.—The remaining tools belonging to the estate of John P. Parshley will be sold at reduced prices, consisting in part of one 12, one 10, one 9, and four 8 ft. planers, three 8 ft, three 7, and one 6 ft. lathes, three hand lathes, one drill press, one gear cutter, patterns, belting, and sundry small tools generally used in a machine shop.

STEAM ENGINES, Circular Saw Mills, and other Machinery.—Improved engines and boilers, circular saw mills with cast iron frames, and every variety of strong iron head blocks—one sawyer cut 1,000 feet inch pine per hour.

\$1,000 FOR A VALUABLE consideration we have furnished to J. R. STAFFORD, Practical Chemist, 16 State st., N. Y.

COMMERCIAL AGENTS, able and honest men from New England or New York. A. W. HARRISON, Philadelphia, Pa.

ENGINEERING.—The undersigned is prepared to furnish specifications, estimates, plans in general or detail of steamships, steamboats, propellers, high and low pressure engines, boilers and machinery of every description.

27 crows for Churches, Courts Houses, &c. (First Premium at the Fair 1856 and 1857); also Regulators and Time Pieces for Jewellers, Railroads, &c.; illuminated dials of all sizes, all warranted.

SWISS DRAWING INSTRUMENTS.—A full stock of these celebrated instruments always on hand. Catalogues gratis. 211 Chestnut St., Philadelphia.

MACHINERY.—S. C. HILLS, No. 12 Platt street, N. Y. City, dealer in Steam Engines, Boilers, Pumps, Lathes, Chucks, Drills, Planers, Mortising, Planing, and Sash Machines, Woodworth's and Daniel's Planers; Dick's Punches, Presses, and Shears; Cob and Corn Mills; Harrison's Grist Mills; Johnson's Shingle Mills; Belting, Oil, &c.

THE COMBINATION PATENT PORTABLE Steam Saw Mill.

This mill is fast coming into use in every section of this country, Canada, Cuba, and South America. It has received the endorsement of several thousand experienced lumber manufacturers, and is pronounced by all who have examined its operation, to be the most simple, efficient, and practical machine for the purpose ever produced.

DR. D. BREED, late Assistant and acting Chief Examiner in the U. S. Patent Office, has established at Washington, D. C., a chemical laboratory for experiment and analysis, in order to test and improve processes of manufacture, and mechanical devices employed in the chemical arts, and to procure and defend patent rights.

PUMPS.—BURNAP'S Patent Excelsior Pumps are acknowledged to be the best and most durable force pump in use, and are fast taking the place of all others for steamers, factories, breweries, &c.

WOODWORTH'S PATENT PLANING MACHINES of every kind and all prices. A large assortment on hand, and I am prepared to construct a new machine to order from ten days to two weeks, and guarantee each machine to be perfect in its construction, and give purchasers entire satisfaction.

STEAM PUMPS, Boiler Feed Pumps, Stop Valves, Oil Cups, Cocks, Steam and Water Gauges, sold by JAMES O. MORSE & CO., No. 79 John street, New York.

PECK'S PATENT DROP PRESS.—The best machine in use for stamping jewelry, ornaments, tinware, swedging iron, &c.

BOILER FLUES.—All sizes, and any length desired, promptly furnished, by JAMES O. MORSE & CO., No. 79 John street, New York.

WROUGHT IRON PIPE.—Plain and galvanized sold at wholesale, by JAMES O. MORSE & CO., No. 79 John street, New York.

ENGRAVING ON WOOD and MECHANICAL DRAWING, by RICHARD TEN BYCK, 123 Fulton street, N. Y., Engraver to the Scientific American.

TWO INVENTORS and MANUFACTURERS.—Rooms with power, for the exhibition of machinery, can be had in the Depot Buildings, corner of Elm and Franklin sts. The location is extremely desirable for its prominence and convenience to the business part of the city.

GEORGE S. LINCOLN & CO., Hartford, Conn., Manufacturers of Machinists' Tools. An assortment of new and second hand machinery constantly on hand.

MACHINE BELTING, Steam Packing, Engine Hose.—The superiority of these articles manufactured of vulcanized rubber is established. Every belt will be warranted superior to leather, at one-third price.

SOMETHING USEFUL for Machinists and operators of Machinery.—Simmons' Decimal Chart, for finding the size of wheels and pulleys for any required number of revolutions per minute, at a great saving of time and lengthy calculations.

BOILER INCORUSTATIONS PREVENTED.—A simple and cheap condenser manufactured by Wm. Burdon, 102 Front st., Brooklyn, will take every particle of lime or salt out of the water, rendering it as pure as Croton, before entering the boiler.

FORBES & BOND, Artists, 89 Nassau st., N. Y. Mechanical and general Draughtsmen on wood, stone, &c.

LAP-WELDED IRON BOILER TUBES.—Prosper's Patent.—Every article necessary to drill the tube-plates, and set the tubes in the best manner.

50 STEAM ENGINES.—From 3 to 40-horse power also portable engines and boilers; they are first class engines, and will be sold cheap for cash.

GOLD QUARTZ MILLS of the most improved construction; will crush more quartz and do it finer than any machine now in use, at much less cost.

GIL! OIL! OIL!—For railroads, steamers, and for machinery and burning—Pease's Improved Machinery and Burning Oil will save fifty per cent., and will not gum. This oil possesses qualities vitally essential for lubricating and burning, and found in no other oil.

NEW HAVEN MFG. CO.—Machinists' Tools, Iron Planers, Engine and Hand Lathes, Drills, Bolt Cutters, Gear Cutters, Chucks &c., on hand and finishing. These Tools are of superior quality, and are for sale low for cash or approved paper.

HARRISON'S 30 INCH GRAIN MILLS.—Latest Patent.—A supply constantly on hand. Price \$200. Address New Haven Manufacturing Co., New Haven, Conn.

WOODWORTH'S PATENT PLANING MACHINES.—Patent expires Dec. 27th, 1856. Machines constantly on hand, together with steam engines and boilers of all sizes. Lathes, planers, drills, circular saw mills, belting of leather and rubber of the best quality.

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