

Examples for the Ladies.

Mrs. Elizabeth A. Monaghan, of Brooklyn, N. Y., has used her Wheeler & Wilson Machine since 1861.

Mrs. C., of New York, has used a Wheeler & Wilson Machine since 1857, never averaging less than \$700 a year.

The Sweet, Fixed Oil of the Cocoanut is represented in Burnett's Cocaine.

Business and Personal.

The Charge for Insertion under this head is One Dollar a Line. If the Notices exceed Four Lines, One Dollar and a Half per Line will be charged.

Boiler and Pipe Covering manufactured by the Chalmers Spence Non-Conductor Co.

Pattern Molding Letters (metallic), to letter or number castings. All sizes. H. W. Knight, Seneca Falls, N. Y.

Wanted—To invest \$5,000, or less, in business—manufacturing preferred. Would join a practical man in starting.

J. H. Preston, Jefferson City, Mo., wants to know where whangs or thongs are made.

To Sash, Door, and Blind Manufacturers in the Southern States: A man, who thoroughly understands the above business, wants a position as superintendent, or as foreman.

The Tools that sell—Patent Star Bevels and Star Try Squares. Acknowledged by all to be the best Tools in the market.

Valve Refitting Machinery, sold by C. F. Hall & Son, sole manufacturers of the only original Patent Machines.

Contractors for the removal of buildings, entire, are requested to communicate with T. H. McHenry, Pikesville, Md.

Cutlers' Grindstones, machine made—J. E. Mitchell, Phila., Pa.

Wickersly Grindstones, very cheap—J. E. Mitchell, Phila., Pa.

For Cheap Process to anneal small hard Castings in ten minutes, send 50 cents to J. C. Spencer, Phelps, N. Y.

Cast Steel Reaper and Mower Guards are made by the Pittsburgh Steel Casting Co., strong as bar steel, and cheaper than wrought iron guards.

Sixty per cent allowed canvassers for Carpentry Made Easy, a valuable work for scientific men and mechanics.

Manufacturers and Mill Supplies of all kinds. Greene, Tweed & Co., 18 Park Place, New York.

The "Railroad Gazette" of March 2 contains a full page engraving of a Car Wheel Borer.

The "Safety" Hold Back for Carriages prevents runaway accidents. See Sci. Am. Feb. 24, 1872.

Lord's improved Screen or Separator—also Watchman's Time Detector. For particulars, address Geo. W. Lord, 232 Arch St., Phila., Pa.

Scale in Steam Boilers. We will remove and prevent Scale in any Steam Boiler, or make no charge.

Walrus Leather for Polishing Steel, Brass, and Plated Ware. Greene, Tweed & Co., 18 Park Place, New York.

An Engineer, experienced in designing and constructing Engines, Boilers, and general Machinery, desires a permanent position as superintendent or head draftsman.

Send samples of your Boiler Scale to Richard H. Buel, Consulting Mechanical Engineer, 7 Warren St., New York.

Gage Lathes and Wood Lathes. Wm. Scott, Binghamton, N. Y.

The Exeter Machine Works, Exeter, N. H., manufacturers of Sectional Boilers and Steam Engines.

For Diamond Turning Tools, for Emery Wheels and Grindstones, address Sullivan Machine Co., Clarendon, N. Hamp.

Grindstones for manufacturing purposes a specialty—made by Worthington & Sons, North Amherst, Ohio.

Standard Twist Drills, every size, in lots from one drill to 10,000, at 1/2 manufacturer's price.

For Best Galvanized Iron Cornice Machines in the United States, for both straight and circular work.

Dickinson's Patent Shaped Diamond Carbon Points and Adjustable Holder for dressing emery wheels, grindstones, etc.

Railway Turn Tables—Greenleaf's Patent. Drawings sent on application.

Peck's Patent Drop Press. For circulars address the sole manufacturers, Milo, Peck & Co., New Haven, Ct.

All kinds of Presses and Dies. Bliss & Williams, successors to Mays & Bliss, 118 to 122 Plymouth St., Brooklyn.

Brown's Coalyard Quarry & Contractors' Apparatus for hoisting and conveying materials by iron cable.

Over 1,000 Tanners, Paper-makers, Contractors, &c., use the Pumps of Heald, Sisco & Co.

To Ascertain where there will be a demand for new Machinery, mechanics, or manufacturers' supplies.

Hydraulic Jacks and Presses, New or Second Hand, Bought and sold. Send for circular to E. Lyon, 470 Grand Street, New York.

For Hand Fire Engines, address Rumsey & Co., Seneca Falls, N. Y.

Over 800 different style Pumps for Tanners, Paper Makers, Fire Purposes, etc.

Grist Mills, New Patents. Edward Harrison, New Haven, Conn.

Taft's Portable Hot Air Vapor and Shower Bathing Apparatus Address Portable Bath Co., Sag Harbor, N. Y.

Mining, Wrecking, Pumping, Drainage, or Irrigating Machinery, for sale or rent.

For Steam Fire Engines, address R. J. Gould, Newark, N. J.

For Solid Wrought-iron Beams, etc., see advertisement. Address Union Iron Mills, Pittsburgh, Pa.

Belting as is Belting—Best Philadelphia Oak Tanned. C. W. Arny, 301 and 303 Cherry Street, Philadelphia, Pa.

Patent Interlocking Grate Bars—Used and approved in 5000 furnaces, in the principal manufacturing in the United States.

Asbestos and Silicate of Soda in large and small quantities. E. D. & W. A. French, 3rd & Vine Sts., Camden, N. J.

In the Wakefield Earth Closet are combined Health, Cleanliness and Comfort.

Enameled and Tinned Hollow-Ware and job work of all kinds. Warranted to give satisfaction.

For Circular of the largest variety of Wood Planing and Miter Dovetailing Machinery, send to A. Davis, Lowell, Mass.

Rubber Valves—Finest quality, cut at once for delivery; or moulded to order.

Williamson's Road Steamer and Steam Plow, with Thomson's Tires.

Boynton's Lightning Saws. The genuine \$500 challenge. Will cut five times as fast as an ax.

Blake's Belt Studs. The best fastening for Leather or Rubber Belts.

Hoisting Engines. Simplest, cheapest, and best. Send to John A. Lighthall, Beekman & Co., Office 5 Bowling Green, New York.

L. & J. W. Feucht wanger, 55 Cedar St., New York, Manufacturers of Silicates, Soda and Potash.

New & Improved Bolt Forging Machines, J. R. Abbe, Prov., R. I.

The N. Y. Manuf'g Co., 21 Courtland St., N. Y., buy, sell, and manufacture Patented articles.

Patent Rotary Engine; for all purposes, two to one hundred horse power; equal to any, for less price.

The paper that meets the eye of manufacturers throughout the United States—Boston Bulletin.

Best and Cheapest—The Jones Scale Works, Binghamton N. Y.

New Pat. Quick and easy way of Graining. First class imitations of Oak, Walnut, Rosewood, &c.

Answers to Correspondents.

SPECIAL NOTE.—This column is designed for the general interest and instruction of our readers, not for gratuitous replies to questions of a purely business or personal nature.

ALL reference to back numbers must be by volume and page.

T. N. L., of Va.—The mineral you send is ferruginous quartz—quartz containing iron.

BLACKING.—B. B. can find the information he seeks on page 170 of Vol. XXIV. of the SCIENTIFIC AMERICAN.

F. F. H., of N. Y., has omitted something in his letter, so that it is unintelligible.

S. L. A. M., of Ga.—We know of nothing that will remove the outer portion of the moss without destroying the texture of the rest.

CEMENT FOR CAST IRON.—Answer to query 6, February 17, 1872. If C. C. will take six parts of pulverized clay and one part of iron filings.

CEMENT FOR CAST IRON.—C. C., query 6, February 17, can make this by mixing equal parts of salt and sifted ashes.

O. S., No. 14, February 24, 1872, will find a remedy for leaky roofs, whether of felt or other material, in the application of internal heat to the eaves, trough, and conductor.

W. E., of N. Y., is troubled with weak knees and exudation of the sinovial fluid.

L. P., of Mass., sends us a fragment of charred hair or wool, which has been used as steam packing.

L. H. P., of Chicago.—We do not think the accident of fire, occurring under circumstances as you describe them, was caused by the steam pipes.

CEMENT FOR CAST IRON.—In answer to query 6, February 17, take one part fire clay and one part iron filings, mixed to the right consistency with muriatic acid diluted with a little water.

ENGINE POWER FOR CIRCULAR SAWS.—To NEMO, query 16, January 20: A ten horse engine driving a circular saw, cutting with the grain of the wood.

CEMENT FOR CAST IRON.—To C. C., query 6, February 17. If the crack be in the bottom of the pot, drill a hole at each extreme end of the crack.

SAND IN DRIVE WELL.—In answer to query 24, February 17, let W. L. take a three quarter inch pipe and run it down inside his pipe to the sand.

BORING CONICAL CYLINDER.—On page 122, of Vol. XXVI., No. 8, February 17, I. F. W. asks how he can bore out a cylinder forty inches long and twelve inches in diameter.

G. D. B., of Pa., says: Enclosed you will find a specimen of something which I dipped out of a creek.

TEMPERING SPRINGS.—Judging from the character of answers to queries in your columns, as to the best method of tempering springs, and from other observations.

F. C. S., of R. I.—Sulphur, like other remedies, should only be used as the choice of a lesser evil over a greater one.

COMPOUND GEARS FOR SCREW CUTTING.—Permit me to say a few words in defence of the rule given by C. F., of N. J.

J. G., of N. J.—The nascent state of hydrogen or other gas is the state (by some thought an allotropic state) which the gas has at the moment of its liberation.

FRICION GEAR FOR SCREW CUTTING.—To E. C. J., query 2, February, 1872. You cannot cut screws by friction gear.

POUNDING OF PISTON.—I have noticed in "Notes and Queries" considerable discussion of the piston pounding question.

Declined. Communications upon the following subjects have been received and examined by the Editor, but their publication is respectfully declined:

ADVERTISING.—L. K. F. BOON TO THE TRAVELLING PUBLIC.—H. BUILDERS' HARDWARE.—A. T. S. CLAPBOARDING.—E. S. W. MODELS AT THE PATENT OFFICE.—A. NATIONAL DEBT.—J. R. F. ORIGIN OF DISEASE.—A. B. PATENT SYSTEM.—A. S. L. ROTARY ENGINE.—G. R. W. SUN SPOTS.—J. B. WEATHERBOARDING.—J. L. G. WILD TEA.—G. Z.

ANSWERS.—S. T.—O. A. B.—H. J. C.—D. H. N.—M. M.—W. E.—J. K. B.—D. O. T.

NOTES AND QUERIES.—G. A.—F. H. F.—F. H. A.—E. F. G.—J. M.—C. M.—G. W. M.—A. K.—R. M.—L. D. M.—D. B. H.

Inventions Patented in England by Americans. From January 31 to February 7, 1872, inclusive. [Compiled from the Commissioners of Patents' Journal.]

SEWING MACHINE.—Howe Machine Company, Bridgeport, Conn. SUTTLING MECHANISM.—E. F. Terrell, D. B. Allen, J. Enoch, West Liberty, O. SMELTING FURNACE.—S. W. Harris, Hudson, N. Y.

WEIGHING MACHINE.—A. H. Emery, New York city.