

Advertisements.

Advertisements will be admitted on this page at the rate of \$1.00 per line for each insertion. Engravings may head advertisements at the same rate per line by measurement, as the letter press.

AGENTS WANTED.—Address Latta & Co., Pittsburgh, Pa.

REYNOLDS & CO. MANUFACTURE Screws & Bolts For Machinery of every variety.

MACHINISTS' TOOLS NEW PATTERNS. ENGINE LATHES, IRON PLANERS, RADIAL DRILLS, BORING MILLS, CAR WHEEL & AXLE MACHINERY, &c.

LEFFELIMPROVED DOUBLE TURBINE WATER WHEEL. 6000 IN USE. NEW WHEEL BOOK 152 PAGES FOR 1872 SENT FREE

WATER FRONT FOR FACTORIES, ROPE-WALKS, LUMBER-YARDS, &c.—LOTS FOR SALE OR LEASE.

KEEP YOUR BOILERS CLEAN.

ANTI LAMINA prevents and removes scale in Steam Boilers—does not injure the Iron. In use over five years.

PATENT COLD ROLLED SHAFTING. The fact that this shafting has 75 per cent greater strength, a finer finish, and is truer to gauge, than any other in use, renders it undoubtedly the most economical.

RANSOM SYPHON CONDENSER perfects and maintains vacuum on Steam Engines at cost of one per cent its value, and by its use Vacuum Pumps are run with full vacuum without Air Pump.

MORRIS, TASKER & CO., MANUFACTURERS OF AMERICAN CHARCOAL IRON Boiler Tubes.

WROUGHT-IRON TUBES AND FITTINGS, FOR GAS, STEAM, WATER, AND OIL.

Builders send stamp for our new illustrated catalog. A. J. BICKNELL & CO., 27 Warren St., N.Y.

American Saw Co. No. 1 Ferry Street, corner Gold Street, New York.

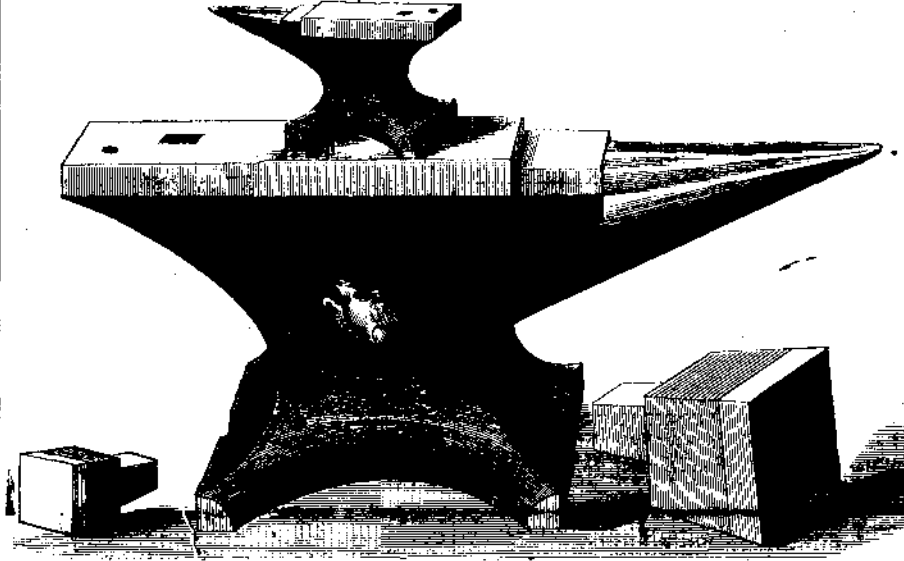
Patent Movable Toothed CIRCULAR SAWS, Patent Perforated Circular, Mill, AND Cross-cut Saws.

EMERSON, FORD & CO. BEAVER FALLS, PA.

EMERSON'S PATENT TOOTHED SAW. SEND FOR A DESCRIPTIVE PAMPHLET.

ONE POUND OF TEETH SAWS. 2,000,000 FEET OF LUMBER.

The Fisher & Norris Eagle Anvil Works. (ESTABLISHED 1848.)



These Anvils are manufactured at the oldest Anvil Factory in this country, and for the past twenty-five years have maintained an excellent reputation among Blacksmiths, Machinists, Tool Makers, &c.

The body of the Eagle Anvil being of crystallized iron, no such settling can ever occur; and the steel face, therefore, remains perfectly true. Also, it has the great advantage, that being of a more solid material, and with less rebound, the piece forged receives the full effect of the hammer, instead of a part of the blow being wasted in rebounding.

Price of ANVILS weighing 100 lbs. to 600 lbs., 11 cts. per lb.

A. S. CAMERON & CO., ENGINEERS, Works, foot of East 23d street, New York City.

Steam Pumps. Adapted to every possible duty. Send for a Price List.

MICROSCOPES. For Scientific Investigations and the Entertainment of the Family Circle.

5000 AGENTS WANTED.—Samples sent free by mail, with terms to clear from \$5 to \$20 per day.

Damper Reg. Pat. Gage Cocks. Water Feed Reg's. Send for Circulars. MURRILL & KEIZER, Balt., Md.

MAHOGANY, ROSEWOOD, FRENCH WALNUT, SATIN WOOD, HUNGARIAN ASH, CEDAR, ETC.

Large and Choice Stock Foreign and Domestic Woods, in VENEERS, BOARDS, AND PLANK.

MCNAB & HARLIN Manufacturing Co., Manufacturers of BRASS COCKS.

FOR STEAM, WATER AND GAS. WROUGHT IRON PIPE AND FITTINGS.

BEACH'S Scroll Sawing Machine, Improved guaranteed the cheapest and best in use.

WINDOW GARDENING. Free, Free! SEND FOR A SPECIMEN COPY.

The Ladies' Floral Cabinet.—A beautiful new Home Paper, devoted to Flowers, Window Gardening, and Floral Home Dressing.

Every Woman Her Own Flower Gardener. By Daisy Eyebright. A charming new Book on Flower and Out-door Gardening for Ladies.

The Ladies' Cabinet Initial Note Paper, rose or violet-tinted; your own initial. Superb novelty; handsome present; high perfumed; attractive chromo on each box.

The Horticultural artist.—A handsomely illustrated Magazine, devoted to Architecture, Flowers, Gardening, Fruits, and Cottages.

Illustrated Prospectus and Premium List of all the above free on receipt of stamp.

HENRY T. WILLIAMS, Proprietor, 5 Beekman Street, New York

ASBESTOS ROOFING. Over 12,000,000 square feet now in use.

FIRST PREMIUM (MEDAL) AWARDED IN 1870. AND ENDORSED BY CERTIFICATE FROM THE AMERICAN INSTITUTE IN 1871. AS

"THE BEST ARTICLE IN THE MARKET." ASBESTOS ROOF COATING, ASBESTOS BOILER FELTING, ROOFING AND SHEATHING FELTS, ASBESTOS ASPHALTUM, ASBESTOS BOARDS, ASBESTOS PAPER, &c.

H. W. JOHNS, Established in 1858. New Offices, 87 MAIDEN LANE, cor. GOLD STREET, New York.

SCHLENKER'S PATENT BOLT CUTTER. NEW INVENTION. ADDRESS, HOWARD IRON WORKS, BUFFALO, N.Y.

SUPER-HEATERS. Save fuel, and supply DRY steam. Easily attached to any boiler.

Pyrometers. For Ovens, Boiler furnaces, Blast furnaces, Super-Heated Steam, Oil Stills, &c.

Union Stone Co., Patentees and Manufacturers of Emery Wheels & Emery Blocks.

For Planing, Paper Cutting, Leather Splitting, and all other Long Knives.

BRANCH OFFICES: W. S. Jarboe, 98 Liberty Street, N. Y. 622 Commerce Street, Philadelphia, Pa.

\$75 to \$250 per month, every man and female to introduce the GENUINE IMPROVED COX'S SENSE FAMILY SEWING MACHINE.

TODD & RAFFERTY, Manufacturers of Steam Engines, Boilers, Flax, Hemp, Tow Bagging, Rope and Oakum Machinery.

T. V. Carpenter, Advertising Agent. Address Box 778, New York city.

PETER COOPER'S Refined Neats' Foot Oil, FOR FIRST CLASS MACHINERY. It contains no gum or acid, and is warranted pure and equal to the best Spent Oil.

The Tanite Co.,

Inventors and Builders of Special Machinery connected with Emery Grinding. Solid Emery Wheels, from 1/4 inch to 2 feet in diameter.

THE TANITE CO.'S EMERY WHEELS and EMERY GRINDING MACHINES

Are kept in Stock, and sold at Factory Prices, by CHAMPLIN & ROGERS, 155 Fifth Avenue, Chicago.

THE TANITE CO. do not Exhibit or Compete at any Fair in the United States this Year.

THE TANITE CO.'S GOODS are kept in Stock and sold at Factory Prices, by CHAMPLIN & ROGERS, 155 Fifth Avenue, (Vermont Block) Chicago.

PANCOAST & MAULE PHILADELPHIA PA. IMPROVED CAST IRON RADIATORS

SEND FOR CIRCULAR. Boilers & Pipes covered with "ASBESTOS FELTING" saves 25 per cent in fuel.

Asbestos Felting Co., Nos. 316, 318, 320, 322, Front St., N. Y.

ISAAC S. CASSIN, Engineer, late Chief Engineer of the Philadelphia Water Works, No. 481 Race St., Philadelphia, Pa.

Diamond Pointed STEAM DRILLS.

THE adoption of new and improved applications to the celebrated Leechot's patent, have made these drills more fully adaptable to every variety of ROCK DRILLING.

THE AMERICAN DIAMOND DRILL CO., No. 61 Liberty St., New York

Always Reliable. Wright's Double-Acting Bucket-Plunger.

STEAM PUMPS. Made by the Valley Machine Co. EASTHAMPTON, Mass.

Working Models. And Experimental Machinery, Metal, or Wood, made to order by J. F. WERNER, 62 Center St., N. Y.

IRON PLANERS, ENGINE LATHES, Drills, and other Machinists' Tools, of superior quality, on hand, and on order.

STEAM BOILER AND PIPE COVERING

Saves ten to twenty per cent. CHALMERS SPENCE CO., foot E. 4th St., N. Y.; 1222 N. 2nd St., St. Louis, Mo.

Machinist's Tools, EXTRA HEAVY AND IMPROVED. LUCIUS W. POND, MANUFACTURER, Worcester, Mass.

WIRE ROPE. JOHN A. ROEBLING'S SONS, MANUFACTURERS, TRENTON, N. J.

FOR Inclined Planes, Standing Ship Rigging, Bridges, Ferriss, Stays, or Guyson Derrick, and Cranes, Tiller Ropes, Breechings of Copper and Iron, Lightning Conductors of Copper.

THE "Scientific American" is printed with CHAS. BENEJOHNSON & CO.'S INK, Tenth and Lombard sts., Philadelphia and 69 Gold St., New York