



Important Items.

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.

FOREIGN SUBSCRIBERS.—Our Canada and Nova Scotia patrons are solicited to compete with our citizens for the valuable prizes offered on the next volume.

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 in this 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.

Over three thousand Letters Patent have been issued, whose papers were prepared at this Office, and on an average fifteen, or one-third of all the Patents issued each year are on cases which are prepared at our Agency.

Private consultations respecting the patentability of inventions are held free of charge, with inventors, at our office, from 9 A. M., until 4 P. M. Parties residing at a distance are informed that it is generally unnecessary for them to incur the expense of attending in person.

American and Foreign Patent Attorneys, Principal Office 123 Fulton street, New York.

LARGE IRON PLANER FOR SALE.—Will plane 12 feet long by 54 inches wide, and could be easily lengthened; runs perfectly smooth and easy.

TAKE NOTICE.—A Recipe for making the famous Artificial Honey pronounced by competent Judges to be equal to that made by bees, sent for only 25 cents.

AGENTS WANTED to dispose of an article that sells readily at \$5. Useful in every family. Samples sent by mail with terms, &c., for 50 cts. in postage stamps.

WOOD WORKING MACHINERY.—Gray & Wood, and Daniels' Planers, Tenoning, molding, power mortising, power hub mortising, and chair seat machines, turning lathes, broom-handle lathes, scroll saws, saw mandrels, &c.

EXCELSIOR STEAM PUMP.—Direct and Double Acting, manufactured and sold at 55 and 57 First street, Williamsburgh, N. Y., and 301 Pearl street, New York.

A VALUABLE WATER POWER FOR SALE.—For particulars, address, DAVID S. McNAMARA, North Hoosick, N. Y.

G. B. HARTSON, late proprietor of the Globe Iron Works, having retired from that establishment, will now give his personal attention to executing orders on commission, for all kinds of machinery, steam engines, boilers, &c.

PATENT RIGHTS sold on commission by V. N. BILLINGS, Jackson, Mich.

THE ATTENTION of parties interested in Blast Machinery and Steam Pumps is invited to machines with Ross' Patent Valve Movement, dispensing with rotary motion, now in operation at the establishment of the undersigned.

WANTED TO BUY.—New and useful inventions, either patent rights or otherwise adapted for this State. Address, S. MASHEIMER, San Francisco, Cal.

ENGRAVING ON WOOD AND MECHANICAL DRAWING, by RICHARD TEN EYCK, Jr., 125 Fulton street, N. Y., Engraver to the Scientific American.

HARRISON'S GRIST MILLS.—20, 30, 36 and 48 inch diameter, \$100, \$200, \$300 and \$400, with all the modern improvements.

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.

WILLMER & ROGERS, 42 Nassau street, New York, are the agents in the United States for the following London journals.—London Engineer, weekly, \$10 per year.

1000 AGENTS can make over 100 per cent. in selling my premium Inks and other chemicals. Send stamp to M. J. COOK, A.B., Detroit, Mich.

PORTABLE STEAM ENGINES for driving printing presses, circular saws, &c., that for beauty of design, durability, economy of fuel, space, and safety are unrivaled on hand and built to order.

COMMERCIAL AGENTS, able and honest Men (from N. England or N. York. A. W. Harrison, Phila. 16 13*

VALUABLE RIGHT FOR SALE.—Dealers in Patent Rights are requested to send their address and place of business to the subscriber at Hartford, Washington Co., Wis., who has the right to a valuable invention for sale.

THE ENGINEER is a weekly illustrated London Newspaper devoted to matters interesting to machinists, engineers, to patent inventions, &c.

LEONARD TILTON.—Improved Patent Wood-planing, Tongueing, and Grooving Machines, manufactured at 155 west 33d st., between 7th and 8th av.

WATER WHEELS.—This is to certify that Henry Vanderwater, of Albany, N. Y., has put up one of his improved American Jovial Turbine Water Wheels, under three foot fall, for me, with a strict understanding with him when I purchased it.

THE WATER-CURE JOURNAL for February contains: Nature of Cries; Thoughts in Spare Minutes; Bringing up children; Antiscorbutic; Fireside Reading—Russell Smilie's Children; Laws of Health; Chronic Erysipelas; Premature Death—causes; Exercises for School Girls; Rules to Walk; Kinesthopy; Concealed Weapons. The Month—Scarlet Fever; Diet in Relation to Longevity; by Dr. Trall; Pat Food; Home Treatment; The Web of Life, etc.

THE AMERICAN PHRENOLOGICAL JOURNAL contains: February contains George Stephenson, the father of railways; his character; the Value of Phrenology to business men; Inhabitants of southwestern Africa (illustrated); Power of Body over Mind; Phrenology and the Lovers; Arctic Life (illustrated); Napoleon and Phrenology; Habits; The Angel Gabriel; Chinese Sugar Cane (illustrated with plant and mill); a List of Gardens and Flower Seeds. Price 10 cts. \$1 a Year. Published by FOWLER & WELLS, 308 Broadway, New York.

AMERICAN MILLER and MILLWRIGHTS revised, with additional matter, illustrated by numerous engravings of machinery, &c. 12mo. Cloth, \$1. By mail free of postage. HENRY C. BAIRD, Philadelphia.

FOR SALE CHEAP.—One 20-horse Tubular Boiler, and one 8-horse Upright Engine, in complete order and nearly new. Address, CARPENTER & PLASS, 479 First ave., New York.

STEADY POWER and Light Rooms, at low rates, by JOHN GANDRE, 102 Walker st.

SUPERIOR MACHINISTS' TOOLS by CARPENTER & PLASS, of every size and description, and considered by all who have used them the best in market, at No. 479 First Avenue, New York.

HERVA JONES' Double or Single Hand Planting Machines.—Farmers and Dealers please send for a circular containing a full description of these valuable implements. Over 200,000 acres of corn have been planted with them since their introduction! J. H. JONES & CO., Rockton, Winnebago co., Ill.

RECIPE FOR MAKING HONEY as good as that made by bees, and which does not cost over six cents per pound, sent for one dollar. N. R. GARDNER, Peace Dale, R. I.

SECOND-HAND MACHINERY FOR SALE.—One Planer, will plane 10 ft. long, 3 ft. wide, 3 ft. high, cost \$350; price \$550, cash. One Planer, will plane 5 ft. long, 20 inches wide, 16 inches high, cost \$350; price \$250, cash. One Engine Lathe, will turn 13 feet long, swing 20 inches, weight rest, and chain feed, cost \$350; price \$225, cash. One Engine Lathe, will turn 8 feet long, swing 20 inches, weight rest, and chain feed, cost \$200; price \$130, cash. All of the above are in perfect order. GEO. S. LINCOLN & CO., Hartford, Ct.

NEW MACHINERY FOR SALE.—On hand, No. 0 Lathes, 3 ft. bed, swing 16 inches, weight rest, price \$250; No. 1, 10 ft. bed, swing 20 inches, gib'd rest, price \$315; No. 2, 14 ft. bed, swing 30 inches, gib'd rest, price \$525. All of the above are Screw Cutting Engines with rack and screw feed combined. Milling Machines for gun work, complete, for \$320, cash. All of the above are warranted first-class work. GEO. S. LINCOLN & CO., Hartford, Ct.

INVENTIONS, DISCOVERIES AND INFORMATION which, in the opinion of the London Society of Arts, are new and required by the public. This list which contains 47 subjects, embraces wants in many of the Mechanical Arts. The list and explanation occupies a portion of three pages of J. R. STAFFORD'S Family Receipt Book, which book will be sent free of postage on receipt of Ten cents or stamps, by J. R. STAFFORD, Practical Chemist, 16 State st., New York.

SOUTHERN MACHINERY DEPOT.—Number 98 Magazine st., New Orleans. Agencies and consignments of machines adapted to the Southern wants respectfully solicited. D. C. LOWBER, 20 7*

ST. CLAIR CAR MANUFACTORY.—St. Clair, Schuylkill Co., Penna. Coal and fire iron cars of every description. Workmanship and material guaranteed equal to any manufactured in the United States. Bush & Lobdell's celebrated wheels used exclusively. CHAS. R. ABBOTT, Proprietor. 9 12* eow

J. R. STAFFORD'S FAMILY RECEIPT BOOK, contains 150 Family Receipts, many of which are new, and all of which are practical, besides much valuable information for mechanics and others. The above book will be sent free of postage on receipt of Ten cents or stamps, by J. R. STAFFORD, Practical Chemist, No. 16 State st., New York. 2 8*

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 less price. The Steam Packing is made in every variety, and warranted to stand 300 degs. of heat. The hose never needs oiling, and is warranted to stand any required pressure; together with all varieties of rubber adapted to mechanical purposes. Directions, prices, &c., can be obtained by mail or otherwise at the warehouse, New York Belting and Packing Co., JOHN H. CHEEVER, Treasurer, No. 6 Dey street, N. Y. 22tf

THE BEST PLANING, TONGUEING, AND GROOVING MACHINE IN THE WORLD.—Patented November 21st, 1854, and November 13th, 1855. These patents were obtained for improvements upon the celebrated Woodworth Planing Machine, the patent for which expired Dec. 26, 1856. By the combination of these several inventions a machine is produced of unrivaled excellence. A Gold Medal for this invention was awarded by the Mass. Char. Mech. Assn., at their Exhibition of 1856. Machines of all kinds and sizes, from \$150 to \$2000. All machines warranted to give entire satisfaction, and to be superior to any other machines now in use. For further information address the patentee, JAMES A. WOODBURY, 20 7* No. Scollay's Building, Court st., Boston, Mass.

PATENT RIGHTS sold on commission by S. C. HILLS, 12 Platt st., New York, who has for sale the following: Clark's Water Feed and Indicator; Crosby's Sifting Mill; Devlan, Wood & Hancock's Oil Saver; Creamer's Tar Brake; Burnham's Suction and Force Pump; Van De Water's Water Wheel, &c. 20 tf

PAGE'S PATENT PERPETUAL LIME KILN, will burn 100 barrels of lime with three cords of wood every 24 hours; likewise my coal kiln will burn 100 bushel with 1 tub bituminous coal in the same time; coal is not mixed with limestone. Rights for sale. 23tf C. D. PAGE, Rochester, N. Y.

WOODWORTH'S PATENT PLANING MACHINES of every kind and all prices. A large assortment on hand, and am prepared to construct any machine to order from ten days to two weeks, and guarantee each machine to be perfect in its construction, and give purchasers entire satisfaction. The patent has expired, and will not be renewed. I make this business exclusive, manufacturing nothing but the Woodworth Machines, and for that reason can make a better article for less money, and with my fifteen years' experience I fully guarantee each machine to come up to what I am willing to recommend, that is, that each machine shall be more than equal to any other manufactured for the same price. JOHN H. LESTER, 57 Pearl st., Brooklyn, N. Y., three blocks above Fulton Ferry. 20 tf

24 HIGHLY FINISHED ANATOMICAL ENGRAVINGS of the Human Body, illustrating the Brain, Throat, Bronchial Tubes, Lungs, Heart and Great Arteries—Veins—All of the Muscles and Joints, &c. &c. These engravings are upon a chart, 22 by 30 inches, which is attached to and makes a part of J. R. STAFFORD'S Family Receipt Book. The book and chart will be sent free of postage on receipt of Ten cents or stamps, by J. R. STAFFORD, Practical Chemist, No. 16 State st., New York. 21 8*

JAMES O. MORSE & CO., 79 John street, N. Y. (between William and Gold streets.) Manufacturers and Dealers in all descriptions of Pipes for Steam, Gas, and Water, together with every variety of fittings for the same. Steam Boilers and Boilers for Locomotives, Valves and Cocks, Steam Whistles, Oil Cylinders, Gauge Cocks, Governor Valves, Steam and Water Gauges, Steam, Power, and Hand Pumps, Steam Apparatus for warming buildings, Gas Apparatus for towns and factories. 17 13

STOVE POLISH.—The best article of the kind yet invented for family use. Sold wholesale and retail at 14 John st., New York, by QUARLES & SON. 12 tf

30 HORSE STEAM ENGINE.—At the Crystal Palace, called the "Endeavor," the best engine ever exhibited by the American Institute; will be sold low if applied for immediately. S. C. HILLS, 10tf 12 Platt street, N. Y.

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. Orders respectfully solicited at the Machinery Depot, 163 Greenwich st., N. Y. A. L. ACKERMAN, 21 8

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

LAP-WELDED IRON BOILER TUBES.—Prosser's Patent.—Every article necessary to drill the tube, plates, and set the tubes in the best manner. 18tf THOS. PROSSER & SON, 28 Platt st., N. Y.

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. WM BURDON, 102 Front st., Brooklyn. 14 tf

GOLD QUARTZ MILLS of the most improved construction; will crush more quartz and do it finer than any machine now in use, and costs much less. WM BURDON, 102 Front st., Brooklyn. 14 tf

OIL! 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. It is offered to the public upon the most reliable, thorough, and practical test. Our most skillful engineers and machinists pronounce it superior and cheaper than any other, and the only oil that is in all cases reliable and will not gum. The Scientific American, after several tests, pronounced it "superior to any other they have ever used for machinery." For sale only by the inventor and manufacturer. N. B.—Reliable orders filled for any part of the United States and Europe. 11 tf

NORCROSS ROTARY PLANING MACHINE.—The Supreme Court of the U. S., at the Term of 1853 and 1854, having decided that the U. S. Patent for the planing machine of G. Norcross, of date Feb. 12, 1850, for a Rotary Planing Machine for Planing Boards and Planks is not an infringement of the Woodworth Patent. Rights to use the N. G. Norcross' patented machine can be purchased on application to N. G. NORCROSS, Office for sale of rights at 27 State street, Boston, and Lowell, Mass. 45 6m*

NEW HAVEN MFG. CO.—Machinists' Tools, Iron Planers, Engines and Hand Lathes, Drills, Bolt Cutters, Gear Cutters, Chucks &c., on hand and finishing. These Tools are of superior quality, and are for sale for cash or approved paper. For cuts giving full description and prices, address, "New Haven Manufacturing Co., New Haven, Conn." 14 tf

HARRISON'S 30 INCH GRAIN MILLS.—Latest Patent.—A supply constantly on hand. Price \$200. Address New Haven Manufacturing Co., New Haven, Conn. 14 tf

BOILER INCrustATIONS PREVENTED.—A simple and cheap condenser manufactured by Wm. Bydon, 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. Persons in want of such machines will please state what the bore and stroke of the engines are, and what kind of water is to be used. 14 tf