



J. P., of N. Y.—Colza oil is held to be superior to sperm for light-houses. Rape seed oil, when purified, is very good for illumination, and is similar to Colza oil.

W. B. of Ohio.—We do not know of any fire-proof varnish that is elastic, and fit for coating a balloon.

W. McC., of Pa.—We do not know that we shall publish an engraving of Breed's Wagon Brake. If you wish to get full particulars in regard to this invention, you had better order a copy of the patent from Washington.

S., of Va.—We are not aware that any patent has been issued of late for an improvement in steam plows.

O. O., J. H. W., and other anonymous correspondents, are respectfully informed that we will not answer letters not accompanied with the writer's name.

J. D. M., of Vt.—We are unable to give the information you want about hay fork makers, and dealers in mallet and auger handles.

S. C. Brinson, Middletown, Pa., wishes to correspond with some manufacturer of malleable spring wire for horse rakes.

A. D. R., of Ill.—Your plan of laying R. R. tracks is very good. The chief objection is the expense. It is not patentable; no company would ever adopt it.

I. A. H., of Wis.—We are not acquainted with any method of dissolving glue in oil, for coating patterns.

W. R., of —.—That scissors can be made of cast-iron, we never doubted, for that is an easy matter, but that such articles should be manufactured and sold, we hesitated to believe; they must be as poor in quality, as cast iron knives.

B. M. G., of Pa.—The only way to support your crane, is to sink it deep into the ground. Iron cranes are all supported at the base.

M. K., of Ind.—You will obtain, we think, a greater velocity of water in the pipe, than in the open drain. The only difference between the two methods is the friction; the pipe is surely much smoother than the drain, and therefore should offer less resistance to the passage of the water.

J. S., Jr., of N. H.—There are various works on the Marine Engine. Scott Russell's contains good drawings of the side lever engine, but no other kind.

S. N. D., of N. Y.—Owing to the great speed of a railway train, it would be very difficult to operate your catch springs, to lift persons from the track.

J. G., of Brooklyn—We can discover nothing new or patentable in your washing machine. Stewart's machine, illustrated a few weeks since, is contrived on the same plan.

G. G. S., of Ohio.—We do not know where you can obtain a good hand-book for the mechanic and artisan.

J. G., of Mo.—Would you be pleased to give us a brief account of the manner of setting boilers, to which you have alluded.

S. B. K., of Mich.—You are entitled to 5 additional copies for one year each. Please send along the names.

J. R. E., of La.—You will find a description of the Lithographic Art in the second volume of Ure's Dictionary. The price of the work is \$6.

J. W. P., of N. H.—See engraving of Gang Plow, lately published in our paper. We have published a number of illustrations of improvements intended to accomplish the result you mention.

Richard Shaw, of Perth, Canada, wishes to procure a machine for turning spokes for carriages to be driven by steam.

J. R., of Ohio—Address Joseph Lewis, gunsmith, No 14 Pellstreet, this city. Mr. W. James, of Utica, N. Y., makes excellent rifles.

Literary Notices.

IRVING'S LIFE OF WASHINGTON.—The second volume of the popular edition of this incomparable work has just been published. It is embellished with a fine portrait of Maj. Gen. Philip Schuyler.

MY COUSIN NICHOLAS.—By Rev. Richard Barbour.—This is a highly interesting tale of fiction from the pen of a graceful and accomplished writer.

Important Items.

MODELS.—Inventors, in constructing their models, should bear in mind that they must not exceed a foot in measurement in either direction.

PATENT LAWS AND GUIDE TO INVENTORS.—This pamphlet contains not only the laws but all information touching the rules and regulations of the Patent Office.

RECEIPTS.—When money is paid at the office for subscription, a receipt will be given; but when subscribers remit their money by mail, they may consider the arrival of the first paper a bona fide acknowledgment of the receipt of their funds.

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

PATENT CLAIMS.—Persons desiring the claim of any invention which has been patented within fourteen years can obtain a copy by addressing a letter to this office.

BINDING.—We would suggest to those who desire to have their volumes bound, that they had better send their numbers to this office, and have them executed in a uniform style with their previous volumes.

INFALLIBLE RULE.—It is an established rule of this office to stop sending the paper when the time for which it was prepaid has expired, and the publishers will not deviate from that standing rule in any instance.

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 ten years' practical experience in soliciting PATENTS in this and foreign countries, he gives 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 week, are on cases which are prepared at our Agency.

An able corps of Engineers, Examiners, Draughtsmen, and Specification writers are in constant employment, which renders us able to prepare applications on the shortest notice, while the experience of a long practice, and facilities which few others possess, we are able to give the most correct counsels to inventors in regard to the patentability of inventions placed before us for examination.

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, as all the steps necessary to secure a patent can be arranged by letter.

A rough sketch and description of the improvement should be first forwarded, which we will examine and give an opinion as to patentability, without charge. Models and fees can be sent with safety from any part of the country by express.

Circulars of information will be sent free of postage to any one wishing to learn the preliminary steps towards making an application.

In addition to the advantages which the long experience and great success of our firm in obtaining patents present to inventors, they are informed that all inventions patented through our establishment, are noticed, at the proper time, in the SCIENTIFIC AMERICAN. This paper is read by not less than 100,000 persons every week, and enjoys a very wide spread and substantial influence.

Most of the patents obtained by American citizens in foreign countries are secured through us; while it is well known that a very large proportion of all the patents applied for in the U. S., go through our agency.

AMERICAN and Foreign Patent Attorneys, Principal Office 128 Fulton street, New York.

BROOKLYN WATER WORKS.—NOTICE TO MACHINISTS.—Sealed Proposals will be received at the office of the undersigned, No. 4 Wall street, New York, until October 1st, 1853, at noon, for the construction of two pumping Engines—Cornish or equal to Cornish, for the Brooklyn Water Works, of capacity to raise ten millions (N. Y.) gallons daily; 170 feet high, with three boilers each; to be built and erected complete on the stone foundation prepared for them, and to be of first class workmanship.

McDOUGALL'S PATENT DISINFECTING POWDER.—The cheapest and most efficient disinfectant yet produced, and composed of non-toxic ingredients, and may be safely used in dwelling-houses and nurseries; also stables, &c., as this disinfectant greatly improves the quality of all manures for agricultural purposes.

FOR SALE.—A large Double Geared Lathe, swings 9 feet by 26 feet; to be sold cheap. Apply at the Phoenix Foundry, corner of West and Vestry streets, New York.

ROBINSON'S PATENT HEAD TURNING AND PLANING MACHINE, for Heads of all kinds and descriptions; it will make from 200 to 350 heads per hour, of the most perfect description.

BLOWING MACHINERY FOR SALE.—A pair of double acting Blowing Cylinders—42x30 inches in perfect order. Also a horizontal Steam Engine, 16x36 inches, at the Atlas Foundry, foot of Wayne street, Jersey City.

AGENTS WANTED.—WESTCOTT, COGSWELL & CO., manufacturers of Westcott's Railway Door Springs, are now prepared to offer the most perfect article yet invented.

THE PATENT DECISION.—To the Editors of the SCIENTIFIC AMERICAN.—The statement in your paper of this morning in regard to the verdict of the jury in the case of George Page vs. Georgia, is a perverted one.

A NEW AND SCIENTIFIC INVENTION.—Dr. Cheever's Galvano-Electric Regenerator. Patent filed Jan. 16th, 1853. A circular relating to the instrument, embracing a general treatise of stony of the spermatic organs, the result of which tends to softening the medullary substance of which the brain is composed.

ALEXANDER'S COMPOUND Parallel Sawing Machine, for making lath from the slab or board cross-cutting, ripping, and sawing miter, all combined in a cheap, simple and compact manner.

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

NO. 1.—\$800,000 VALUABLE TO EVERYBODY.—A few weeks ago CHARLES BRADFIELD, of Philadelphia, opened a new Agricultural Implement Store at Fifth and Chestnut streets.

NO. 2.—INVENTORS, PATENTERS, &c., were all cordially invited to place their models here, free of charge, and the Philadelphia papers say there is already six to eight hundred thousand dollars worth of patents in this room.

1000 YOUNG MEN for big wages. Honest, easy, and sure. Send stamp to Box 533, Detroit, Mich.

1000 YOUNG MEN can make 500 per cent. or more at home or abroad. But small means required. Business new, easy, neat, respectable. For full particulars address (enclosing a stamp) WILLIAM HART, Mayville, Dodge Co., Wis.

R. B. FITTS & CO., Commission Agents for the Management an Sale of American and Foreign Patent Rights, Office, No. 23 Congress st., Boston, Mass.

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

GREAT WESTERN MACHINERY AND PATENT Agency.—E. E. ELLSWORTH having disposed of his interest in the firm, the business hereafter will be conducted under the firm and style of DAVID RICHARDS & CO.

MACHINERY.—S. C. HILLS, No. 12 Platt street, N. Y., dealer in Steam Engines, Boilers, Planers, Lathes, Chucks, Drills, Pumps, Mortising, Tenoning, 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.

WEISSENBORN'S PATENT INCORUSTATION Preventer.—Among the testimonials to the great success of this invention, read the following from William Burdon, 102 Front st., Brooklyn.—"I am perfectly satisfied with its operation. I believe it is the only machine yet invented that will entirely separate lime and other impurities from the water, when using hard water."

H. WELLS & CO., Florence, Hampshire Co., Mass.—Are at all times prepared to fill orders for any size (single or double) of Wells' Patent (Improved) premium Circular Saw Mills, which take the lead of all other mills in market for manufacturing lumber.

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.

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.

THE NINTH ANNUAL EXHIBITION OF THE MECHANIC ARTS will be opened at the Institute's spacious hall, Baltimore, on Wednesday, Oct. 1st, and continue to Oct. 29th, 1856. Goods for exhibition and competition will be received at any time prior to Friday night, Sept. 26th, after which for exhibition only, except such as the Committee shall be satisfied were dispatched in time to have reached the Hall by that day, but failed to do so from unavoidable detention.

CIRCULAR SAWS.—We respectfully call the attention of manufacturers of lumber to the great improvements recently introduced in the manufacture of our Circular Saws. Being sole proprietors of Southwell's patent for grindingsaws, we are enabled to grind circular saws from six inches to six feet with the greatest accuracy and precision.

KNITTING MACHINES.—Circular and straight knitting machines of all sizes and gauges on hand and made to order. WALTER AIKEN, Franklin, N.H.

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 150 bushel with 1 tub bituminous coal in the same time; coal is not mixed with limestone. Rights for sale.

50 STEAM ENGINES.—From 3 to 40-horse power and also portable engines and boilers, they are all class engines, and will be sold cheap for cash. WM BURDON, 102 Front st., Brooklyn.

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.

VAIL'S CELEBRATED PORTABLE STEAM Engines and Saw Mills, Bogardus' Horsepower, Smut Machines, Saw and Grist Mill Irons and Gearing, Saw Gutters, Hatchet Drills, &c. Orders for light and heavy turning and castings executed with dispatch.

FILMER & CO., Electrotypers, and Manufacturers of Electrotypes Materials, 128 Fulton st., N. Y. Molding Presses, Batteries, Cases, Backing Pans, Shaving Machines, Metal Kettles, Planes, Blocks, Building Irons, &c., etc., on hand, or furnished at short notice, and at moderate charges. Adams' Improved batteries and black-lead machines also for sale.

PAGE'S PATENT CIRCULAR SAW MILLS with Steam Engine and Boiler, on hand and for sale for \$1500, at Schenck Machine Depot, 163 Greenwich st., New York. A. L. ACKERMAN.

CIRCULAR SAW MILLS.—The subscriber has on hand, and is constantly manufacturing those celebrated mills with saws from 30 to 80 inches diameter, adapted to manufacturing most kinds of lumber, and warranted to give satisfaction. For prices, &c., address W. HERRICK, Northampton, Mass.

BARREL MACHINERY.—CROZIER'S PATENT is unrivalled in point of quality and quantity of work performed, and may be seen in constant operation at the Barrel Manufactory of the undersigned. For rights and machines address WELCH & GRIFFITHS, Oswego, N. Y.

TWO CAR BUILDERS.—For Sale, one new Upright Spring Mill for boring car wheels. Maker's price \$600, will be sold for \$300 cash. Address GEO. S. Y. COLN & CO., Hartford, Ct.

FOR SALE.—One second-hand 7 ft. power Planing Machine, made by the New Haven Manufacturing Co. Cost \$300, will be sold for \$200 cash. Has been used only about four months. Also an upright drill by the same makers. Cost \$90, will be sold for \$40 cash. Address GEORGE S. LINCOLN & CO., Hartford, Conn.

BOILER FLUES.—All sizes and any length promptly furnished by JAMES O. MORSE & CO., No. 79 John st., N. Y.

WROUGHT-IRON PIPE.—Plain, also galvanized inside and outside, sold at wholesale by JAMES O. MORSE & CO., No. 79 John st., N. Y.

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

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 in no other oil.

NORCROSS ROTARY PLANING MACHINE.—The Supreme Court of the U. S., at the Term of 1853 and 1854, having decided that the patent granted to Nicholas 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.

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.

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