

TO CORRESPONDENTS.

L. D. of Albany.—You are mistaken respecting the reasons for placing the engraving on the back page.

A. G. of Mo.—We are well aware of the elastic nature of air, and took that into consideration, but that has nothing to do with the main point at issue, namely, will a certain amount of impressed force produce an infinite amount of it, as asserted by you?

H. W. S. of Ohio.—Yours came after our article on the history of steam coaches. Send us the others and we will find room for them in due season.

J. B. of Va.—We are not acquainted with the prices charged by those who sell or put up lightning rods. We consider the rods safe that run on the comb of the house, and are joined to one rod, but the single rod should be thicker than any of the branches.

A. B. G. of N. Y.—We have been told that steam, at the pressure of five atmospheres—seventy-five pounds—will dissolve bones, but we do not vouch for the correctness of this.

M. J. H. of Geo.—Your plan to prevent the alteration of Bank Bills is new to us. The reward you speak of was offered by the Boston Banks, and we have no more information respecting it than you can obtain from the advertisement to which you have referred.

J. B. G. of Pa.—Yours will meet with attention. H. B. E. of Tenn.—The only work to which we can refer you on making gas is Parnell's.

C. H. of Mass.—Your account of the method of producing large quantities of electricity to decompose water simply involves a continuous current.

E. A. of Pa.—You can procure steel rolling mills of Messrs. Blake & Johnson, of Waterbury, Ct. We saw some at the works of this Company, intended for the Philadelphia mint, and they were superior even to the best imported article.

N. N. of Ohio.—Your ideas in regard to the construction of railways are quite novel to us, but we cannot endorse them without more knowledge of their practicability.

W. F. of Mass.—We have no faith in the success of your propeller, and think it cannot be made to operate.

A. McK. of C. W.—We cannot advise you to get an iron bridge; put up a wooden one by all means. If you would steepen your timber in a solution of alum and the sulphate of copper, it would be rendered nearly fire-proof.

H. K. of Mass.—Your plan of checking the use of fraudulent bank bills is very good. The difficulty is to get banks to adopt a good plan.

J. W. P. of Mich.—Your substitute for the common frog for railroad side tracks appears to be practicable and new, so far as we are able to judge from the sketch.

G. W. M. of N. Y.—We have such a book as you speak of, and can refer you to I. M. Singer, of this city, as having a patent for such a machine.

J. S. P. of Cal.—Your idea of carrying off the cinders of a locomotive by means of a chimney curved backwards over the train, is not new. It was suggested to us some six years since.

T. S. of Ill.—A suction draught produced by a fan is not new, we have seen it in use.

S. P. B. of N. Y.—We are not in the habit of deciding questions of infringement, such as you ask.

C. E. of Ind.—There does not appear to be sufficient novelty in your boring machine to warrant an application for a patent.

J. C. of Mass.—Your improvements in marine locomotives are neither new nor useful; essentially the same thing has been proposed before, and modifications of it have been patented.

W. & N. of Ohio.—There is nothing in your endless chain pump which we consider as possessing a patentable feature; you are advised not to attempt to secure it by patent, it would be money thrown away.

G. M. D. of Geo.—We do not know to what rope machine you refer; Slaughter & Perry, of Fredericksburg, Va., we think, are makers of cordage machinery.

J. B. of Pa.—A car ventilator substantially on the plan of yours, was introduced some two years since on an Eastern road, for some cause it has passed out of use.

C. J. H. of New York.—You can dissolve the wool if you use potash or soda in the water, but we do not believe you can either dissolve it or hair at the temperature of two hundred and thirty.

Money received on account of Patent Office business for the week ending Saturday, Aug. 26:—

E. E. B. of N. Y., \$400; T. S. W. of N. J., \$80; S. B. of N. Y., \$20; F. T. F. of Vt., \$30; E. A. S. of Ill., \$20; A. M., of Ind., \$20; I. A. R. of N. Y., \$15; J. L. Y. of La., \$30; B. & M. of Mass., \$25; H. B. P. of Ct., \$25; J. B. of Mass., \$23; A. S. of O., \$30; S. P. S. of N. Y., \$30; C. G. E. of N. Y., \$30; J. M. of N. J., \$10; W. H. of N. O., \$25; J. F. of Pa., \$10; T. A. of N. H., \$50; D. W. C. of Ct., \$30; E. B. B. of N. Y., \$25; H. L. R. of Mich., \$25; C. M. of Mo., \$30; O. S. of N. Y., \$25.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Aug. 26:— B. & W. of Mass.; E. A. S. of Ill.; E. B. B. of N. Y.; H. L. R. of Mich.; W. H. E. of N. Y.; W. H. of N. O.; C. M. of Mo.

ADVERTISEMENTS.

Terms of Advertising.

Table with 2 columns: Lines for each insertion, Price. 4 lines for each insertion, 75 cts. 5 " " " 1 \$1 50. 12 " " " 1 " \$2 25. 18 " " " 1 " \$3 00.

Advertisements exceeding 16 lines cannot be admitted; neither can engravings be inserted in the advertising columns at any price.

All advertisements must be paid for before inserting.

American and Foreign Patent Agency.

IMPORTANT TO INVENTORS.—The undersigned having for several years been extensively engaged in procuring Letters Patent for new mechanical and chemical inventions, offer their services to inventors upon the most reasonable terms.

MUNN & CO., Scientific American Office, 128 Fulton street, New York.

JOHN PARSHLEY, manufacturer of machinist's tools, No. 5 and 7 Howard street, New Haven, Ct., is now finishing a lot of iron planers to plane 8-12 feet long, 20 in. wide, and 26 in. high, having the down and angle feed in the cross head, the planers all of the best quality, and prices extremely low for the quality.

LARGE POWER PLANER.—Will plane 30 feet long, 8 feet 5 in. wide, and weighs over 6 tons. Now ready for delivery, and will be sold lower by \$300 than the same quality of machine can be bought anywhere else.

PATENT SASH FASTENER.—The subscriber will sell rights to make and sell his improved Sash Stopper and Fastener, on license for any town of not over 5000 inhabitants, and one dozen fasteners with directions, \$5; for larger towns and cities or counties on liberal terms.

JOHN PARSHLEY, manufacturer of machinist's tools, No. 5 and 7 Howard street, New Haven, Ct., has for sale a locomotive lathe, which has not been used more than 1000 miles, and is in excellent condition.

Mechanical Engineering.—CHARLES E. HUMAN & CO., Consulting Engineers and Designers, 333 Broadway, New York.

NO. 1 GREASING MACHINERY.—For all purposes of lubrication, "Metallurgic Oil" has many recommendations. Its tendency to remain on a smooth surface of metal, instead of running off or evaporating, its property of resisting heat and keeping the bearings of machinery cool, and its freedom from "gum," are important considerations with engineers and machinists.

YOCKNEY & CO., Sole Manufacturers of Cumberland Brothers' Patent "Metallurgic Oil," Elizabethport, N. J., office 67 Exchange Place, N. Y.

LATHES, BOLT CUTTERS, and Machinists' Tools in general.—Just finishing 6 Engine Lathes of superior construction, six feet shears, with screw gearing complete. Also two Bolt Cutters ready for delivery.

NEW PATENT FLOUR and GRAIN MILL.—Patented June 6th, 1854. The subscriber is finishing the following mills: 2 twenty inch, price \$100; 4 thirty inch, \$200; 3 three feet, \$300; 2 four feet, \$400, and will pay \$1,000 for any other mill as durable, simple, economical of power, which will grind as much from one dressing, which will heat the flour and meal as little, and is as easily kept in order.

DAMPERS.—Clark's Patent Regulator for Controlling steam boiler fires, applicable to boilers of every size and situation. The benefits arising from the use of these Regulators have been attested by certificates of the strongest character from those who have used them.

REYNOLDS DIRECT ACTION and Re-Action Water Wheel.—This is one of the most simple, cheap, and efficient Iron Water Wheels now in use.

PORTABLE STEAM ENGINES.—The subscriber is now prepared to supply excellent Portable Engines, with Boilers, Pumps, Heaters, etc., all complete, and very compact.

W. M. MONTGOMERY & CO. Machinists, New York, Westchester, Co., New York, manufacture all kinds of Machinery and Machinist's Tools.—Bolt Cutters and Drilling Machines of different sizes constantly on hand.

WANTED.—In a large Woolen Mill in Philadelphia, an experienced Woolen Dyer of good character, perfectly sober, and married, one who can dye to any shade of color that may be required, with certainty, and keep to a shade without varying, for any length of time. None other than such as above need trouble themselves to apply.

ON THE PETITION of Robert L. and Francis B. Stevens, of Hoboken, New Jersey, praying for the extension of a patent granted to them on the 8th day of January, 1851, for an improvement in "working the steam valves of steam engines when the steam is cut off and allowed to act expansively, for seven years from the expiration of said patent, which takes place on the 26th day of January, 1858.

Persons opposing the extension are required to file in the Patent Office their objections, specially set forth in writing, at least twenty days before the day of hearing.

Ordered, also, that this notice be published in the Union, Intelligencer, and Evening Star, Washington, D. C.; Evening Argus, Philadelphia, Pa.; Scientific American, New York and Post, Boston, Massachusetts, once a week for three successive weeks previous to the 1st day of January next, the day of hearing.

Ordered, also, that this notice be published in the Union, Intelligencer, and Evening Star, Washington, D. C.; Evening Argus, Philadelphia, Pa.; Scientific American, New York and Post, Boston, Massachusetts, once a week for three successive weeks previous to the 1st day of January next, the day of hearing.

P. S.—Editors of the above papers will please copy, and send their bills to the Patent Office, with a paper containing this notice.

ON THE PETITION of Milton D. Whipple, of Somerville, Mass., praying for the extension of a patent granted to him on the 28th day of October, 1840 for an improvement in "a machine for cleaning wool from burrs and other foreign matter, and also for ginning cotton," for seven years from the expiration of said patent, which takes place on the 28th day of October, 1847.

Persons opposing the extension are required to file in the Patent Office their objections, specially set forth in writing, at least twenty days before the day of hearing.

Ordered, also, that this notice be published in the Union, Intelligencer, and Evening Star, Washington, D. C.; Evening Argus, Philadelphia, Pa.; Scientific American, New York and Post, Boston, Massachusetts, once a week for three successive weeks previous to the 23rd day of Oct. next, the day of hearing.

Ordered, also, that this notice be published in the Union, Intelligencer, and Evening Star, Washington, D. C.; Evening Argus, Philadelphia, Pa.; Scientific American, New York and Post, Boston, Massachusetts, once a week for three successive weeks previous to the 23rd day of Oct. next, the day of hearing.

P. S.—Editors of the above papers will please copy and send their bills to the Patent Office, with a paper containing this notice.

THE NEW BRICK MACHINE.—Is now in daily operation at my yard, on Locust Point. If driven by steam, the clay is taken from the bank, passed through a pulverizer, which removes the stone, into the soak pit, where it receives the water, thence to the machine, which is geared to make six and a half revolutions per minute, turning out five bricks each time, or 1,750 bricks an hour, including contingencies.

JAMES BOGARDES.—Corner of Center and Duane streets, invites attention to the Cast Iron Buildings which he first introduced and patented. The mode of putting them together is the most simple and perfect of any yet known.

MACHINISTS' TOOLS.—SHRIVER & BROS., Cumberland, Md., (on B. and O. Railroad, midway between Baltimore and the Ohio River) manufacturers of Lathes, Iron Planers, Drills and other machinist's tools.

THE NEW BRICK MACHINE.—If driven by a horse the clay is thrown into heaps, and each successive layer saturated; after remaining in soak all night it is shoveled into the machine.

NORTHVILLE MACHINE WORKS.—Manufacturers of Machinist's Tools, consisting of Engine Lathes, Power Planers, Hand Lathes, Engine Lathes for turning chair stuff, all of the most improved patterns and quality of workmanship.

ESTABLISHED IN 1796.—Philosophical, Mathematical, and Optical Instruments. Our priced and illustrated Catalogue furnished on application and sent by mail free of charge.

FOR SALE LOW.—A second-hand six horse Steam Engine and Boiler, with all the fixtures.

IRVING'S PATENT SAFETY CIRCULATING STEAM BOILER.—For Stationary, Locomotive, and Marine Engines. These Boilers have been thoroughly tested by scientific experiment and practical use, and are being rapidly introduced into every part of the United States.

PLANNING, TONGING, AND GROOVING.—BEARDLIE'S PATENT.—Practical operation of these Machines throughout every portion of the United States, in working all kinds of wood, has proved them to be superior to any and all others.

STAVE AND BARREL MACHINERY.—HITCHINSON'S PATENT.—This machinery, which received the highest award at the Crystal Palace, may be seen there in operation during the ensuing season.

KENTUCKY LOCOMOTIVE WORKS.—Corner of Kentucky and Tenth streets, Louisville, Ky.—The proprietors of the Kentucky Locomotive Works would respectfully inform Railroad Companies and the public generally, that, having completed their establishment, they are now prepared to receive and execute orders with fidelity and dispatch.

DIG IRON.—Scotch and American; also English Boiler Plate and Sheet Iron, for sale at the lowest market prices, by G. O. ROBERTSON, 135 Water st. cor. Pile, N. Y.

BUFFALO MACHINERY DEPOT, JAMES W. HOOKER, 36 Lloyd St., Buffalo, offers for sale all kinds of machinery, as follows: Engine Lathes, Planing Machines, Universal Chucks, Caststeel Boreers, Drills, Leather and Rubber Belting, Packing and Hose Oils, Millstones, Portable and Stationary Engines, Boilers, and Machinery generally.

PATENT ROCK DRILL.—The simplest, cheapest and best ever offered to the public. For information apply to A. B. ELY, Esq., Boston, Mass., agent of North American Rock Drilling Company.

HARRISON'S SUPERIOR GRAIN MILLS.—Latest Patent of June 6, 1854.—The New Haven Mfg. Co. having the right for said Mills, will keep a supply constantly on hand.

PATENT RIGHT FOR SALE.—We are ready to dispose of the Patent Right, (or any part of it) of the best Stone Drilling Machine now in use, or we are prepared to furnish working machines at the most reasonable prices.

LEONARD & WILSON.—No. 60 Beaver st. and 109 Pearl st., have constantly on hand and for sale a full assortment of Machinist's and Carpenters' Tools, embracing every variety of Engine and Hand Lathes, Iron Planing Machines, Mortising and Tenoning Machines, Wood Planers, &c.

PALMER'S PATENT LEG.—The best appliance ever invented. Pamphlets containing the testimonials of the first American and European surgeons, and other information concerning this invention sent gratis to all who apply to PALMER & CO., Springfield, Mass.; or 375 Chesnut st., Philadelphia.

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 Wood Patent.

READING'S PATENT CORN SHELLER and Cleaner.—Capacity 300 bushels per hour. First premium awarded in the Fall of 1854.

MACHINISTS' TOOLS.—Power Planers 4 to 16 feet long, weight 1,000 to 10,000 lbs. Engine Lathes, 6 to 19 feet long, weight 1,700 to 8,400 lbs., swing 21 to 28 inches.

THE EUROPEAN MINING JOURNAL, Railway and Commercial Gazette. A Weekly Newspaper, forming a Complete History of the Commercial and Scientific Progress of Mines and Railways.

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.

PLANNING, TONGING, AND GROOVING.—BEARDLIE'S PATENT.—Practical operation of these Machines throughout every portion of the United States, in working all kinds of wood, has proved them to be superior to any and all others.

STEAM ENGINES.—The undersigned is now prepared to furnish, with or without pumps, boilers, &c. Horizontal Engines on iron bed frames, good strong, substantial, plain finished engines that will do good service, say from 4 horse, \$215, to 30 horse, \$1,087; they have Judson's patent valves, and will be warranted to work well.

A. B. ELY, Counsellor at Law, 52 Washington street, Boston, will give particular attention to Patent Cases. Refers to Messrs. Munn & Co., Scientific American, 151 Y.