

TO CORRESPONDENTS.

A. H., of N. Y.—The plant which you have sent us grows profusely here, but is not used for any purpose.

J. H., of Ohio—We have never been able to get all the evidence in the case of the Kate Kearney, and we do not think it has been published.

C. P., of Iowa—We do not see how a re-action wheel can be made to give nearly double power, by the peculiar form of buckets which you describe.

J. B., of Texas—A fan for keeping flies from the table and for ventilation of apartments, is a well-known contrivance.

H. S., of Ky.—We would not advise you to have the chain railway published until you can develop its importance.

J. P. H., of Va.—We do not recollect where the Soil of the South is published.

John Crum, of Winchester, Va.—Wants a machine for making shoe pegs.

J. W. P., of Ind.—Your ideas in regard to steam brakes are not new: the same thing has been long known.

J. H. Dearing, Tuscaloosa, Ala.—Desires to get information about the best machinery in use for excavating and grading railroads.

A. B. C., of —We are receiving letters from various parties requesting us to procure the premium awarded by the "Crystal Palace Association."

S. S., of N. Y.—In the course of our history of reaping and mowing machines we shall publish one similar to yours.

J. S. S., of Md.—The engraving of your kiln is all ready and will soon appear. Please to bear in mind that we do not attend to job printing of any kind.

I. S. M., of Fla.—We have never paid any attention to the "fertilizer" named in your letter.

J. H., of Pa.—Extension ladders have been patented, and used as fire escapes.

H. G. B., of Mich.—Your method of protecting horses from the heat of the sun, does not appear to have any patentable features.

PATENT DRIVERS—Zinc Driers, Grain Colors, Stove Polish, Gold Size, &c., 114 John street, New York. QUARTERMAN & SON, Manufacturers.

CHEAPEST AND BEST—The New York Weekly Sun is to be sent to subscribers after Oct. 1st, at 2 cents a year.

J. H. C., of Pa.—Wishes to know if there is any composition of sand, soap stone, plaster of Paris, or any other material that could be formed into a mold easily, to mold castings in the usual way.

STAVE AND BAR EL MACHINERY—Hutchinson's Patent. This machinery which received the highest award at the Crystal Palace is now in daily operation there.

SIGLER'S PATENT FISH HOOKS—I am now making my patent fish hooks illustrated in Sci. Am., Vol. 9, page 363. It is the best article known for doing up the work, and I am prepared to fill all orders with prompt dispatch.

RENSELEAR POLYTECHNIC INSTITUTE—Designed for the education of Architects and Civil Engineers, including Railway, Hydraulic, Topographical, and Mining Engineers.

TO IRON FOUNDERS—Scotch and American Pig Iron, English Sheet Iron and Boiler Plates.

MACHINISTS' TOOLS—The subscribers would respectfully call the attention of machinists and engineers to their Patent Improved Tool Rest for Engine Lathes.

STEAM ENGINE—80 Horse Power, for sale by the Lawrence Machine Shop. It is now arriving in the machinery in the Crystal Palace.

MONEY RECEIVED ON ACCOUNT OF PATENT OFFICE BUSINESS for the week ending Saturday, Sept. 9—

P. T., of Phil., \$30; W. H. E., of N. Y., \$35; A. M., of L. I., \$35; W. D. T., of L. I., \$30; T. M. C., of Me., \$25; G. W. S., of N. J., \$15; A. J. P., of Mass., \$12; R. D., of Ct., \$30; I. C. D., of N. Y., \$100; T. S. W., of N. J., \$30; S. & N., of Ct., \$30; E. L. H., of N. Y., \$25; B. & W., of Mich., \$10; W. G., of N. Y., \$30; G. & E. W., of N. Y., \$10; F. T. F., of Vt., \$25; D. W., of Mass., \$30; P. D., of N. Y., \$30; H. B., of Ct., \$25; H. D., of Ct., \$30; E. T. J., of N. Y., \$25; N. B., of N. Y., \$60; C. G. E., of N. Y., \$25; P. J. C., of Ct., \$30; R. M. S., of N. Y., \$35.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Sept. 9—

T. M., of N. Y.; R. D., of Ct.; T. M. C., of Me.; A. J. P., of Mass.; E. T. J., of N. Y.; H. W. P., of N. Y.; A. M., of N. Y.; S. & N., of Ct.; E. L. H., of N. Y.; J. P., of Ky.; T. S. W., of N. J.; H. B., of Ct.; F. T. F., of Vt.; A. E., of N. Y.; C. G. E., of N. Y.; N. B., of N. Y.; P. J. C., of Ct.; R. M. S., of N. Y.

ADVERTISEMENTS.

Table with 2 columns: Terms of Advertising, Price. Rows include 4 lines for each insertion (\$1.00), 8 lines (\$2.00), 12 lines (\$3.00), 16 lines (\$4.00).

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

American and Foreign Patent Agency.

IMPORTANT TO INVENTORS.—MESSRS. MUNN & CO., Publishers and Proprietors of the Scientific American, continue to prepare specifications and drawings, and attend to procuring patents for new inventions in the United States, Great Britain, France, Belgium, Holland, Austria, Spain, etc.

Having Agents located in the chief cities of Europe, our facilities for obtaining Foreign Patents are unequalled.

It is very important that trustworthy and competent agents should be employed in securing patents, as great care is necessary in the preparation of the papers, as well as integrity in taking proper care of the case until the inventor is fully invested with his legal rights.

The office of Messrs. Munn & Co.'s American and Foreign Patent Agency is at 128 Fulton Street, New York.

NEW HAVEN MANUFACTURING COMPANY—Machinists' Tools, Iron Planers and Engine Lathes of all sizes. Hand Lathes, Gear Cutters, Rives, Bolt Cutters, Chucks, &c., on hand and being built by the quantity, which enables us to sell low.

HARRISON'S GRAIN MILLS—Latest Patent.—\$1000 reward offered by the patentee for their equal. A supply constantly on hand. Liberal Commissions paid to agents.

CHEAPEST AND BEST—The New York Weekly Sun is to be sent to subscribers after Oct. 1st, at 2 cents a year.

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FOR SALE—The Patent of Bouton's Improved Faucet, dated April 18th, 1854, (see Scientific American of June 3rd, 1854). It will be sold entire or by States, and at a price to render the purchase desirable.

UNITED STATES PATENT OFFICE.

Washington, August 21, 1854. On the petition of Milton D. Whipple, of Somerville, Mass., praying for the extension of a patent granted to him on the 24th day of October, 1840, for an improvement in "machine for cleaning wool from burrs and other foreign matter, and also for ginning cotton."

It is ordered that the said petition be heard at the Patent Office, on the 23rd of October next, at 12 o'clock, M.; and all persons are notified to appear and show cause, if any they have, why said petition ought not to be granted.

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; all testimony filed by either party to be used at the said hearing must be taken and transmitted in accordance with the rules of the office, which will be furnished on application.

The testimony in the case will be closed on the 13th of Oct.; depositions, and other papers relied upon as testimony, must be filed in the office on or before the morning of that day; the arguments, if any, within ten days thereafter.

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.

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

UNITED STATES PATENT OFFICE.

Washington, July 25, 1854. 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 25th day of January, 1841, for an improvement in "working the steam valves of steam engines when the steam is cut off and allowed to act expansively."

It is ordered that the said petition be heard at the Patent Office, on Monday, the 1st of January next, at 12 o'clock, M.; and all persons are notified to appear and show cause, if any they have, why said petition ought not to be granted.

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; all testimony filed by either party to be used at the said hearing must be taken and transmitted in accordance with the rules of the office, which will be furnished on application.

The testimony in the case will be closed on the 22d of December; depositions and other papers relied upon as testimony, must be in the office on or before the morning of that day; the arguments, if any, within ten days thereafter.

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.

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

UNITED STATES PATENT OFFICE.

Washington, August 15, 1854. On the petition of Jordan L. Mett, of A. Haven, praying for the extension of a patent granted to him on the 1st day of December, 1837, for an improvement in "the mode of constructing a comb of calculator and furnace for the use of agriculturists."

It is ordered that the said petition be heard at the Patent Office, on Monday, the 6th day of November next, at 12 o'clock, M.; and all persons are notified to appear and show cause, if any they have, why said petition ought not to be granted.

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; all testimony filed by either party to be used at the said hearing must be taken and transmitted in accordance with the rules of the office, which will be furnished on application.

The testimony in the case will be closed on the 31st day of October, 1854; depositions and other papers relied upon as testimony, must be in the office on or before the morning of that day; the arguments, if any, within ten days thereafter.

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, Mass., once a week for three successive weeks previous to the 6th of November next, the day of hearing.

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

MAGIC LANTERNS AND DISSOLVING VIEWS for Sunday Schools, Academies, and Public Exhibitions, with Scriptural, Astronomical, Temperance and other Paintings. A priced and illustrated Catalogue of Lanterns and Slides sent by Mail, free of charge.

NORTHVILLE MACHINE WORKS—Manufacturers of Machinists' 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.

NEW PATENT FLOUR AND GRAIN MILL—Patented June 6th, 1854. The subscriber is finishing the new mills: 8 twenty inch, price \$100; 6 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.

JOHN PARSHLEY, Manufacturer of machinists' tools, No. 5 and 7 Howard street, New Haven, Ct., has for sale 1 locomotive lathe, which has not been used more than two months, all tools, and is as good as new, its first cost was \$1,250; having come into present hands with a large lot of other tools, it is now offered for the small sum of \$900 cash; weighs 9 tons, has boring of the arbor 12 in. diameter, swings 7 1/2 feet, has counter shaft and pulleys. Cuts of the same can be had by addressing as above, post-paid.

JOHN PARSHLEY, manufacturer of machinists' tools, No. 5 and 7 Howard street, New Haven, Ct., is now finishing a lot of iron planers to plane 5-12 feet long, 30 in. wide, and 26 in. high, having the crown and angle feed in the cross head, the planers, all of the best quality, and prices extremely low for the quality. Cuts with full particulars can be had by addressing as above, post-paid.

LARGE POWER PLANER—Will plane 20 feet long, 3 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. Warranted good. Call and see, or address, (post-paid) C. POTTER, Jr., Westerly, R. I.

PATENT SASH FASTENER—The subscriber will sell rights to make and sell his improved Sash Stopper and Patent as follows: Licenses for any town not over 5,000 inhabitants, and one dozen fasteners with directions, \$5; for larger towns and cities or counties on liberal terms. Letters to be addressed (post-paid), W. S. HADAWAY, Chiltonville, Mass. P. S.—See engravings of this invention in No. 51, Vol. 9, Sci. Am.

IRVING'S PATENT SAFETY CIRCULATING STEAM BOILER.

These Boilers having been thoroughly tested by scientific experiment and practical use, are being rapidly introduced into every part of the United States. Their claims to superiority are fully supported by the united testimony of highly respectable parties, who have given them the most successful trials. The following are among the chief advantages of this Boiler: 1st. Great increase of heating surface, with diminution of bulk. 2nd. Economy of fuel—a saving of more than 50 per cent. being effected over other boilers. 3rd. Economy of space, compactness, and strength of form. 4th. Increased safety from explosion. 5th. Freedom from incrustation. Circulars obtained on application at the Company's Office. Boilers of any required power furnished on short notice. Rights negotiated for all parts of the United States, England, France, and Belgium.—All communications promptly attended to.

W. F. PHELPS, Sec'y Irving S. Boiler Co., 347 Broadway, N. Y.

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 facility and dispatch. They will contract for Locomotives, Passenger, Freight, and Hand Cars, of every style and pattern, as well as all kinds of Stock and Machinery required for railroads.

Particular attention will be paid to Repairing, for which they have every facility. They are also prepared to contract on favorable terms for building all kinds of Machinery, such as Turning Engines, Lathes, Planers, Drills, Slotting, Spinning, and Shaping Machines of every variety of pattern. Having also a large Foundry connected with the establishment, orders for castings are solicited, and will be filled with promptness.

Wheels of any pattern can be furnished on short notice. Double and single plates and Spoke Wheels of all sizes constantly on hand. Communications or orders must be addressed to OLMSTED, TENNEYS & PECK, Louisville, Ky.

MECHANICAL ENGINEERING—CHARLES EHMANN & CO., Consulting Engineers and Designers, 533 Broadway, New York. Designs, Working Drawings, estimates and contracts for high or low pressure steam engines (Chapman's improved vertical engine), Boilers, Pumps, Presses, Saw and Grist Mills, Tools and Machinery of every description. Particular attention paid to making drawings and working plans for inventions and models, to the construction of patent machines, etc., etc. Arrangements made, and plans furnished for putting up and locating Engines, Boilers, Shaftings, and all kinds of machinery in buildings, etc., etc.

REYNOLD'S DIRECT ACTION and Re-Action Water Wheel—This is one of the most simple, cheap, and efficient Iron Water Wheels now in use. For description, cuts, &c., apply to SAM'L B. LEACH, Agent, 66 Beaver st., N. Y.

FOR GREASING MACHINERY—For all purposes of lubrication, "Metallic Oil" has many recommendations. Its tendency to remain on 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. A fair trial will convince any unprejudiced person that it is a very valuable substitute for sperm oil.

For sale in quantities to suit purchasers by YOCKNEY & CO., Sole Manufacturers of Cumberland Brothers' Patent "Metallic Oil," Elizabethport, N. J., office 67 Exchange Place, N. Y.

READING'S PATENT CORN SHELLER and Cleaner—capacity 200 bushels per hour. 9 first premiums awarded in the Fall of 1853. Patent Rights and Machines now for sale at the corner of 2nd Street and Pennsylvania Avenue, Washington, D. C. I challenge the world to produce its equal. Address personally or by mail. WILLIAM READING.

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 and a carefully collated Synopsis of the most important Inventions and Improvements in Mechanics and Civil Engineering. Office, 25 Fleet Street, London. Price \$1 2 per annum.

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. Broker in steam vessels, machinery, boilers, &c. General Agent for Ashcroft's Steam and Vacuum Gauges, Allen & Noyes' Metallic Self-Judging Conical Packing, Faber's Water Gauge, Sewell's Salmometers, Dudgeon's Hydraulic Lifting Press, Roebing's Patent Wire Rope for hoisting and steering purposes, etc.

CHARLES W. COPELAND, Consulting Engineer, 64 Broadway.

A. B. ELY, Counselor at Law, 52 Washington st., Boston. Will give particular attention to Patent Cases. Refers to Messrs. Munn & Co., Scientific American.

PHENIX IRON WORKS—GEO. S. LINCOLN & CO., Hartford, Conn. Manufacturers of Machinists' Tools. Are constantly making and have now on hand an assortment of Screw Cutting Engine Lathes, viz.: 1. bed 10 feet long, swing 20 inches. 2. bed 14 feet long, swing 30 inches. 3. bed 16 1/2 feet long, swing 46 inches, with improved bed, cast steel spindles, feed motion carried by a screw, toothed rack for moving tool rest by hand, improved gib rest and tool stock, stationary and traveling backrest; also manufacturers of lathes for turning Locomotive Driving Wheels, small Power Planers, Upright Drills, Power Punching Presses, &c. Designs of the tools with further descriptions, will be sent by addressing as above.

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 very reasonable prices, these machines will drill from one to seven inches in diameter, and 100 feet deep, and can be worked by Hand, Horse, or Steam Power, one machine per day forming the work of twenty-five men. For further particulars and circulars with cuts address JAS. T. WHITTEMORE, Agent American Manufacturing Co., 39 State street, Boston.

LEONARD & WILSON—No. 60 Beaver st., and 109 Pearl st., have constantly on hand and for sale a full assortment of Machinists' and Carpenters' Tools, embracing every variety of Engine and Hand Lathes, Iron Planing Machines, Mortising and Tenoning Machines, Wood Planers, &c. Also Leather Belting of all sizes made of the best oak tanned butts, stretched on powerful machines, riveted and cemented.

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 376 Chestnut 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 Woodworth Patent.

Rights to use N. G. Norcross's patented machine can be purchased on application to N. G. NORCROSS, 208 Broadway, New York.

The printed report of the case with the opinion of the Court can be had of Mr. Norcross, at Lowell, or 27 State street, Boston.

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