

TO CORRESPONDENTS.

M. P. M. of Vt.—Our time is too much occupied already to accept an agency of any description.

A. R. McD., of Ala.—In our opinion no real gain would be obtained by digging the pit below the proper height of the fall.

J. S. B., of N. Y.—There is a foreign work on Fresco Painting (Merrifield's) the cost of which, we think, is about two and a half dollars.

E. F., of Conn.—We do not wish to criticise any more of the person's theories to whom you refer.

R. D. B., of Me.—Caustic alkali will reduce your woody materials to pulp if they are ground very fine.

J. McC., of Pa.—We cannot give you the information you desire. We understand you to mean the manufacture of paints.

W. A. S., of N. Y.—The wheel was obtained of one of the persons named by you.

G. U. H., of N. Y.—One of yours will meet with attention next week.

S. C. T., of Geo.—There is no novelty in your alleged improvement in saws to enable them to saw and plane at the same operation.

D. P., of Pa.—Your claim to adjustable or shifting arms for fan blowers as shown in the sketch appears to be a new contrivance, and we think a patent can be secured for it.

J. P. D., of Pa.—There are a number of machines in use for turning irregular forms, and one of the best with which we are acquainted is the Beers Machine.

J. H. C., of R. I.—We discover nothing new in your sketch of the steam engine, but perhaps it is because your sketch is so imperfect that we do not fully understand it—can't you send us a model?

E. S., of N. Y.—To enable us to judge of the patentability of your horse rake, you should describe its mechanical construction; the simple fact of great results being produced by it with a boy 10 years old, would not of itself be considered a patentable feature at the Patent Office.

Money received on account of Patent Office business for the week ending Saturday, June 10—

J. R. T., of Ill., \$35; F. E. H., of Conn., \$25; E. M., of N. J., \$25; C. R., of Ga., \$55; L. W. McG., of Pa., \$10; D. & S., of N. Y., \$25; C. N. W., of N. C., \$30; H. & N., of N. Y., \$30; I. G. McF., of Pa., \$35; E. W. D., of R. I., \$25; H. & P., of R. I., \$30; A. M., of N. Y., \$30; G. O., of N. Y., \$25; J. H. Jr., of Wis., \$10; T. & W., of Mo., \$20; H. C., of N. Y., \$10; H. S. C., of Ind., \$25; H. M., of N. Y., \$30; J. D. W., 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, June 10—

F. E. H., of Conn.; N. S. S., of L. I.; H. F. B., of Ind.; E. M., of N. J.; N. B. L., of Ind.; D. & S., of N. Y.; C. W. D., of N. J.; E. W. D., of R. I.; H. M., of N. Y.; J. D. W., of N. Y.; J. B., of N. Y.; H. L. C., of Ind.

A Chapter of Suggestions, &c

PATENT LAWS—The seventh edition of the American Patent Laws and Guide to the Patent Office. For sale at this office, price 12 1/2 cents.

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, stating the name of the patentee, and enclosing \$1 for fees for copying.

PATENTERS—Remember we are always willing to execute and publish engravings of your inventions, providing they are interesting subjects, and have never appeared in any other publication. No engravings are inserted in our columns that have appeared in any other journal in this country, and we must be permitted to have the engravings executed to suit our own columns in size and style. Barely the expense of the engraving is charged by us, and the wood-cuts may be claimed by the inventor, and subsequently used to advantage in other journals.

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, and often with the name of the post-office also omitted. Persons should be careful to write their names plainly when they address publishers, and to name the post-office at which they wish to receive their paper, and the State in which the post-office is located.

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

BACK NUMBERS AND VOLUMES—In reply to many inquiries as to what back numbers and volumes of the Scientific American can be furnished, we make the following statement: Of Vols. 1, 2, 3, and 4—none. Of Vol. 5, forty numbers, price, in sheets, \$1; bound, \$1.75. Of Vol. 6, all; price in sheets, \$2; bound, \$2.75. Of Vol. 7, all; price, in sheets, \$2; bound, \$2.75. Of Vol. 8, none complete, but about 30 numbers in sheets which will be sold at 50 cents per set; of Vol. 9, all but five numbers.

TO CORRESPONDENTS—Condense your ideas into as brief space as possible, and write them out legibly, always remembering to add your name to the communication. Anonymous letters receive no attention at this office. If you have questions to ask, do it in as few words as possible, and if you have some invention to describe come right to the business at the commencement of your letter, and do not fill up the best part of your sheet in making apologies for having the presumption to address us. We are always willing to impart information if we have the kind solicited.

ADVERTISEMENTS.

Terms of Advertising.

Table with 2 columns: Lines for each insertion, and Price per line. 4 lines for each insertion, 75 cts; 8 lines, \$1.50; 12 lines, \$2.25; 16 lines, \$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 insertion.

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. All business entrusted to their charge is strictly confidential.

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

EUROPEAN PATENTS.—MESSRS. MUNN & CO. pay especial attention to the procuring of Patents in foreign countries, and are prepared to secure patents in all nations where Patent Laws exist.

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 the establishment, they are now prepared to receive and execute orders with fidelity and dispatch.

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.

T. M. CHAPMAN'S PATENT SAW FILING Machine.—The best known and without a rival. The subscriber offers for sale Territorial Rights, and also builds and sends machines wherever they may be wanted.

EXTENSION OF TIME.—The period for receiving proposals for Superstructure of Bridges and Trustee work of Huntington and Broad Top Railroad, has been extended by order of the Board of Directors to Saturday evening, June 24, 1854, Huntington, Pa., June 7, 1854. S. W. MITCHELL, C. E.

FOR \$1000 EACH.—An assignment will be made, for Great Britain and France, of a breech-loading and self priming rifle, preventing escape at the breech, simple and durable arrangement and construction, and capable of one shot in five seconds, or one hundred in twelve minutes. U. S. Patent applied for. Address: J. C. DAY, Hackettstown, N. J.

PIG 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. Pine, N. Y.

MACHINISTS TOOLS.—Power Planers 4 to 16 feet long, weight 1000 to 10,000 lbs. Engine Lathes 6 to 19 feet long, weight 1,700 to 8,400 lbs., swing 31 to 38 inches. Hand Lathes, Gear Cutters, Drills, Bolt Cutters, Slide Rests, Chucks, &c., of best materials and workmanship constantly on hand, and being built, also the best Grain Mills in the country.

ROTH'S ANTI-CHLORINE.—Geo. F. Wilson, Providence, R. I., has been duly appointed Agent for the sale of "Roth's Anti-Chlorine" for the New England States. Persons desiring to obtain licenses for their own use, or to purchase his very superior preparation for curing skin eruptions, itching humors, dandruff, and paper stuffs, will please make application to Geo. HACKER, L. E. & CO., Philadelphia, Dec. 1, 1853. Mr. Wilson's office is at 22 Canal street, third floor.

MACHINERY.—S. C. HILLS, No. 12 Plattst., N. Y. dealer in Steam Engines, Boilers, Iron Planes, Lathes, Universal Chucks, Drills; Kase's, Von Schmidt's and other Pumps; Johnson's Shingle Machines; Woodworth's, Daniel's, and Law's Planing Machines; Dick's Presses, Punches, and Shears; Mordanting and Penning Machines; Belting; Machinery Oil, Beal's Patent Cob and Corn Mills; Burr Mill and Grindstones; Lead and Iron Pipe, &c. Letters, to be noticed, must be post-paid.

PORTABLE STEAM ENGINES.—The subscriber is now prepared to supply excellent Portable Engines, with Boilers, Pumps, Heaters, etc. all complete, and very compact, say 2 1/2, 3, 4, 5, and 10 horse power, suitable for printers, carpenters, farmers, planters, &c. they can be used with wood, bituminous, or hard coal; a 2 1/2 horse engine can be seen in store, it occupies a space 5 feet by 3 feet, weighs 1500 lbs., price \$240; other sizes in proportion. S. C. HILLS, 360 1/2 Machinery Agent, 12 Plattst., N. Y.

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. 36 ct

UNITED STATES PATENT OFFICE, Washington, June 5, 1854.

ON THE PETITION of Frederick J. Austin, of New York, praying for the extension of a patent for cutting paper and trimming books, for seven years from the expiration of said patent, which takes place on granted to him on the 16th June, 1841, ante-dated December 18th of the same year, and which expires on the sixteenth day of December, eighteen hundred and fifty-four.

It is ordered that the said petition be heard at the Patent Office on Monday, the 4th of December 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 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 24th of Nov.: 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.; Pennsylvania, Philadelphia, Pa.; Scientific American, New York; Daily Courier, Buffalo, N. Y., and Post, Boston, Massachusetts; once a week for three successive weeks previous to the 4th day of Dec. 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. 40 3/4

THE SEVENTH ANNUAL EXHIBITION—OF THE MARYLAND INSTITUTE—Will take place on the 18th of September next, at the spacious Hall of the Institute, Baltimore. Mechanics, Manufacturers, Artists, Inventors, and others, in the State of Maryland, as well as the country at large, are respectfully invited to avail themselves of the opportunity thus afforded, to display their taste and skill in the collection about to be made.

The Maryland Institute is now established upon a footing which enables the managers to hold out stronger attractions than, perhaps, any similar Institution in this country. The central position of the city of Baltimore, and its contiguity to the seat of Government, ensure the most extended facilities for an exhibition of the works of art and mechanical skill, which may be placed in charge of the Institute; and the great care taken in the appointment of suitable and impartial judges to establish the grade in which each contributor is entitled to stand, and to pronounce upon the certificates of merit, give earnest of the desire of the Managers to avoid all ground of complaint in this most delicate department of their labors.

The purpose of the Managers will be to make the approaching exhibition one of the most attractive that has heretofore taken place in this country. Their splendid Hall is now complete in all of its appointments, and is admirably adapted, as is well known, to the accommodation and display of the objects of taste and interest, of whatever class or description, which may be entrusted to them by those engaged in the mechanical pursuits. The Board of Managers earnestly invite the co-operation of the mechanics and industrial classes throughout the country, in contributing to the important object they have in view. Circulars with rules and regulations, and any other information in reference to matters in detail, will be promptly given by addressing, post-paid, the Secretary of the Institute, Mr. John S. Selby, THOS. SWANN, Chairman; A. Denmead, Thomas Stow, C. W. Bentley, J. F. Meredith, Enoch Pratt, Thos. J. Lovelove, W. Prescott Smith, Thomas Trimble—Standing Committee on Exhibition. 38 3/4

BRASS FOUNDRY FOR SALE.—On easy terms, and having a good share of business, and a fine location. For further information address box 305, Detroit, Mich. 38 3/4

BACK VOLUMES of the Scientific American for sale by Stokes & Brother, Philadelphia. A set of the Scientific American, from Vol. 1 to Vol. 7, inclusive, price \$2.75 per volume, bound. STOKES & BROTHER, Arcade, Phila. 38 3/4

MACHINERY DEPOT.—J. W. HOOKER, 36 Lloyd street, Buffalo, N. Y., commission merchant, and dealer in all kinds of machinery, is prepared to fill orders for Lathes, Planing Machines, Drills, Universal Chucks, Car Wheel Bore, Rubber and Leather Belting, Oils, Millstones, Portable and Stationary Engines, Boilers and Machinery generally. 38 3/4

METALLIC TAPE MEASURES.—40 to 100 feet—a new article, metal web; stretches less than any other Tape, well prepared to stand water; well made leather boxes, divided in feet and inches, and links, or feet and tenths, and links; also all steel measures, 33 feet long, with a carrying case. Also, all the mathematical Drawing Instruments, Spy Glasses, &c. Our priced and illustrated catalogue sent by mail free of charge. McALLISTER & BROTHER, No. 8 Chesnut st., Philadelphia, Pa. 37 3/4

"KNOW NOTHING"—Starting Developments: astounding, ludicrous, and alarming! Just published, an Exposure of the "Know Nothings," The Degrees, Signs, Grips, Pass Words, Charges, Oaths, Initiations, &c. &c. Penalties, together with the objects, tenets, and aims of this Secret Order throughout our threatened land, with striking wood-cut illustrations. Copies will be mailed to any address free of postage. Price—12 1/2 cts per copy; 10 copies for \$1. N. B.—Our Mammoth Catalogue of books and prints will be mailed to any address gratis. Address: STEARN & CO., Publishers, 163 Fulton st., N. Y. 37 3/4

LATHES AND PLANERS.—Of much approved construction, manufactured and kept constantly on hand, by LEONARD & CLARK, Newburgh, Orange Co., N. Y. 37 3/4

WOODWORTH'S PATENT Planing, Tonguing, Grooving Machines.—Double machines plane both sides, tongue, and groove at one and the same time, saving one half of the time when lumber is required to be planed on both sides. Large assortment constantly on hand. Warranted to give entire satisfaction to purchasers. JOHN H. LESTER, 37 1/2 Pearl St., Brooklyn, L. I. 37 3/4

FOR SALE.—By the Baltimore and Ohio Railroad Co., 24 Crate Cars, adapted to railroad purposes, which will be sold at a reasonable price. For further information apply to SAMUEL J. HAYES, M. of M., Baltimore and Ohio R. R. Co., or BRIDGES & BROS., 64 Cortland st., New York. 34 ct

GRIFFITH'S PATENT VALVE COCKS for Steam Engines, dyeing establishments, or Chemical Works, they are warranted superior to any valve or cock in use. They are easily repaired without taking them from the pipes, they are made any size from 3/8 in. up to 7 1/2 in., either screwed or with flanges. Responsible agents for the sale of these valves wanted in New York, Boston, Pittsburgh, and all the principal cities in the Union. The rights to manufacture in the different States for sale. Parties interested will address J. GRIFFITHS, City Tube Works and Brass Foundry, 15 North 7th street Philadelphia. 34 3/4

MODELS.—Of all kinds made and warranted to answer the requisitions of the Patent Office. Post-paid communications strictly confidential. Address: J. G. ARNOLD, Worcester, Mass. 31 10 1/2

CLOCK FOR CHURCHES, COURT HOUSES, &c.—Regulators for Astronomical purposes, Jewellers; also Time Pieces for Session Rooms, Railroad Stations, Offices, &c., which for accuracy of time and durability have proved (it is believed) equal to any made in Europe or this country. Glass Dials for Illumination and other kinds furnished. Address: STEARN & BROS., Oakland Works, Sag Harbor, N. Y. 10c wtf

STAVE AND BARREL MACHINERY—HUTCHINSON'S PATENT.—This machinery, which received the highest award at the Crystal Palace, may be seen there in operation during the ensuing season. Cutting, Jointing and Crozing Staves and Turning Heads. Staves prepared by this process are worth to the cooper from 20 to 40 per cent more than when finished in another way. Applicable alike to thick and thin staves. Apply to C. E. HUTCHINSON & CO., Auburn, N. Y., or at the Crystal Palace. 34 1/2

KRUPP'S BEST CAST STEEL.—Suitable for Mint and Plater's Rollers, also of large size (72x18 inches diam) for rolling iron, copper or brass. Pistons of Steam Engines, and Shafts for Steamboats, not exceeding six tons weight in one piece. Also the celebrated Cast Steel Axles and Tires, made from a solid bar without welding. Agents, THOS. PROSSER & SON, 33 1/2 Platt St., New York. 33 1/2

STAVE MACHINERY.—The "Mowry Stave Cutter and Joiner Combined," which received the highest award at the Crystal Palace, is the only machine that ever undertook to joint a stave properly at the same time that it was cut and dressed, without rehandling. One man tends the machine and turns out from a solid block of wood ninety staves a minute, ready for the truss hoop. It is not only the best in use, but for slack work we challenge the world. For machines and rights in New York, apply to CHARLES MOWRY, Auburn, For machines and rights in other parts of the United States, apply to GWYNNE & SHEFFIELD, Urbana, Ohio. 29 ct

MINING MACHINERY.—Of most approved construction, furnished by FREDK COOK & CO, Hudson Machine Works, Hudson, N. Y. 15 6m

JOHN PARSHLEY, No. 5 and 7 Howard st., New Haven, Ct., manufacturer of Machinists' Tools, and Steam Engines, has now finishing off 25 Engine Lathes, 8 feet shears 4 feet between centers, 15 inches swing, and weighs about 1100 lbs. These Lathes have back and screw gear, rib rest, with screw feed, and the rest is so arranged that the tool can be adjusted to any point the work may require, without unfastening the tool, hence they possess all the good qualities of the job and the weight lathes they are of the best workman ship. Price of Lathes with count shaft and pulleys, \$155 cash. Cuts, with full description of the lathe, can be had by addressing as above, post-paid. Also four 30 horse power vertical Steam Engines with two cylinders. Price of engine with pump and heater, \$300 cash. For particulars address as above. 35 1/2

\$100 REWARD.—To the Manufacturers of Bank Note Paper. The Executive Committee of the Association of Banks for the Suppression of Counterfeiting, hereby offer a reward of One Hundred Dollars for the best specimen, in the opinion of the Committee, of Bank Note Paper, of not less than five hundred sheets, which may be submitted to them on or before the 1st day of January next. All paper submitted, except that selected by the Committee, to be returned to the persons submitting the same. J. M. GORDON, Secretary. Boston, Mass., March 31, 1854. 31 15 1/2

FULTON FOUNDRY AND MACHINE WORKS.—8 S. W. corner of Green and Market streets, Jersey City, N. J. The subscribers are prepared to contract for Sugar Mills and Mining Machinery of every description. Horizontal Steam Engines of various sizes constantly on hand. All orders executed with promptness. 34 1/2 FIELDS, BROTHER & CO.

ENGINEERING.—The undersigned is prepared to furnish plans for ever description of machinery, water wheels, turbines, and to consult with parties to make experiments and scientific investigations, and to superintend the construction of works. Mellier's Patent for making White Paper from Straw. VICTOR BEAUMONT, Consulting Engineer, 74 Broadway, N. Y. 33 10 1/2

1854.—MICHIGAN CENTRAL R. R. LINE.—D. W. WHITING, Freight Agent for Railroad and the enormous new steamers "Plymouth Rock," "Western World," and "May Flower"—and also General Forwarder, will forward freight of any kind, by any mode of conveyance, to any destination, with dispatch and at the lowest rates; has trucks and machinery and (having been a practical machinist has all the skill necessary) for the safe and expeditious handling of any machine or heavy article, such as Locomotives, Steam Engines and Boilers, Engine Lathes, Church Bells, Saws, &c. Mark packages care "D. W. Whiting, Buffalo." Goods thus consigned take precedence with the above boats in all cases. 32 1/2

MACHINERY FOR SALE.—The following machines are for sale at the "Scientific American" Office—Alcott's Concentric Lathe, price \$25. Portable Mordanting Machine, price \$25. Bushnell's Iron Drill, price \$25. All orders should be addressed (accompanied with the cash) to MUNN & CO., 128 Fulton st., N. Y. 34 1/2

WHITE STRAW PAPER.—For Newspapers.—A Mellier, the patentee, having established his process at Nixon & Xelour's Mills, Manayunk, where the paper for the Philadelphia Ledger has been made daily from straw since the 12th of April, is now ready to sell licenses and make arrangements for establishing the process elsewhere. Apply to Mr. Mellier, at No. 74 BEAUMONT, 74 Broadway, where specimens of half stuff, stuff and paper may be seen. 33 10 1/2

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-acting Conical Packing, Faber's Water Gauge, Sewell's Scales, Dudgeon's Hydraulic Lifting Press, Roebling's Patent Wire Rope for hoisting and steering purposes, etc. etc. CHARLES W. COPELAND, Consulting Engineer, 64 Broadway. 35 ct

PLANING, TONGUING, AND GROOVING.—BEARDSLEE'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. The work they produce cannot be equalled by the hand plane. They work from 100 to 200 feet, lineal measure, per minute. One machine has planed over twenty millions of feet during the last two years, another more than twelve millions of feet of Spruce flooring in ten months. Working models can be seen at the Crystal Palace, where further information can be obtained, or of the patentee at Albany, N. Y. 27 1/2 GEO. W. BEARDSLEE.

STATIONARY STEAM ENGINES.—The subscriber 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, \$1037; they have Judson's patent valves, and will be warranted to work well. 12 Platt St., New York. 31 1/2

A. B. ELY, Counsellor at Law, 52 Washington street, Boston, will give particular attention to Patent Cases. Refer to Messrs Munn & Co., Scientific American. 18 1/2

SEWING MACHINE.—The Office and Warerooms of the Wheeler & Wilson Manufacturing Company, for the sale of their Sewing Machines, is removed to No. 343 Broadway, where the public are invited to call and examine them in practical operation. 31 13 1/2

NORRIS WORKS, Norristown, Pa. The subscribers build and send to any part of the United States, Pumping, Hoisting, Stamping, and Portable Engines, and Mining Machinery of every description. 41 1/2. THOMAS CORSON & WEST.