

TO CORRESPONDENTS.

J. H., of Me.—You will not invalidate your claims to a patent by introducing your invention now. We have enrolled your name upon our subscription list.

A. W. F. F., of Va.—One pound of coke will evaporate 12 lbs. of water, but only 9 lbs. of water are evaporated in a locomotive boiler.

H. G. B., of Ind.—Dalton has evaporated 10 lbs. of water by one of charcoal; 12 lbs. of water can be evaporated by one of coke; he tested the quality of different kinds of fuel.

J. F. H., of E. G.—Your shoulder brace is very good; the yellow coloring property of the Barbary bark has been long known.

E. W. S., of Pa.—Your plan for increasing the draught of steamboats will answer very well, it is the same as that used for locomotives, except yours has an adjustable mouth, which so far as we know is patentable as you apply it.

R. M., of D. C.—Yours will receive attention next week.

A. F. W., of Pa.—We cannot refer you to any work for working drawings of paper machinery as used at present in the manufacture.

B. F. R., of Pa.—You will not get half the power of your water from a Barker's mill; get a re-action wheel. The Barker mill, however, may do all your work, and you perhaps can build it yourself.

M. K., of N. Y.—Prof. Page's engine has been patented in Europe, but not here; a battery has but one negative and one positive pole, your idea about three we cannot understand.

C. S., of Mass.—There is always danger of life from lightning passing into telegraph offices, if the conductors are not sufficient to carry off the discharge to the ground.

S. D., of Ct.—No patent could be secured for a clothes pin made as represented in your sketch.

A. C. C., of Ky.—Your letter, containing \$3 for expense on model, is received.

J. W. M., of N. H.—We have carefully examined the sketch of your alleged improvement in ship's rudders; it contains nothing new or patentable.

G. L. J., of Ohio.—It is impossible for us to form an opinion respecting the novelty of your invention without a sketch and proper description of it.

M. & C., of Cincinnati.—We shall examine your communication of the 18th, and will write you soon.

W. W., of Pa.—We certainly think there is no doubt about your getting a patent, but what could you do with it.

Money received on account of Patent Office business for the week ending Saturday, May 31:— B. & W., of Ct., \$30; F. G. W., of N. Y., \$300; S. & McK., of N. Y., \$55; J. C., of N. Y., \$27; W. G. M., of N. Y., \$30; J. E. A., of N. Y., \$15; A. D. G., of N. Y., \$30; D. McM., of —, \$10; C. B., of Mass., \$30; I. Z. A. W., of Pa., \$100; T. R., of N. Y., \$40; H. C., of N. Y., \$30; W. S., of N. Y., \$45; S. & K., of N. Y., \$67; J. G., Jr., of N. Y., \$84; W. C., of Ga., \$21.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday May 21:—

M. B. F., of N. Y.; M. & S., of N. Y.; I. C., of N. Y.; J. R., of Mich.; M. & T., of N. H.; A. C. K., of N. Y. (2 cases).

A Chapter of Suggestions, &c.

PATENTEES—Remember we are always willing to execute and publish engravings of your inventions, provided they are on interesting subjects, and have never appeared in any other publication.

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.

PATENT CLAIMS—Persons desiring the claims 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 one dollar as fee for copying

ADVERTISEMENTS.

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.

GARDINER'S PATENT MAGNETIC GOLD Washer, Amalgamator and Separator.—This is the most perfect machine for Gold Mining that has been invented; it performs the operation of washing the earth or pulverized quartz rock, amalgamating and magnetic separation of black sand or oxide of iron, all at one movement, saving every particle of gold dust, however minute.

TO PATENTEES AND OTHERS.—A man of Energy, indefatigable perseverance and good address, is open to devote his whole time upon commission to anything likely to be very remunerative.

WANTED.—A man as manager or chief superintendent in an iron manufacturing establishment in this State.

TO SHIP CARPENTERS, HOUSE CARPENTERS, and Machinists.—A respectable young man, 17 years of age, wishes to apprentice himself to either of the above trades; he can be highly recommended, and give the most respectable city reference.

SAND PAPER, GLUE.—"Excelsior" Sand and Emery Papers, "Abbott's" Manilla Sand, and Match Papers, Emery Cloth, Emery, Emery Grit, Pumice Stone ground in lump, of very superior quality; also Grit of Upton's, Cooper's, and all other brands, in quantities to suit purchasers, at the manufacturers' lowest prices, for sale by WILLIAM B. PARSONS, 290 Pearl st., (corner Beekman) N. Y.

PATENT HYDRANTS AND COCKS.—Bartholomew's Patent Self-acting Double and Single Hydrants and Cocks are in extensive use and much approved of, are strong, durable, not likely to get out of order, always shut when not in use, not likely to freeze, avoid waste of water, do not burst pipe.

SPOKE MACHINES, SPOKE MACHINES.—The best and most perfect machine now in use, designed expressly for turning spokes of all sizes, is the one invented by Jenkins & Knight, and patented in January last.

NEW WORKS ON CIVIL ENGINEERING.—The Field Practice of Laying out Circular Curves for Railroads; by John C. Trautwine, C. E.; second edition, in pocket-book form.

CLOCKS FOR CHURCHES, COURT HOUSES AND OTHER PUBLIC BUILDINGS. Time-Pieces for Session and Vestry Rooms, Hotels, Railroads etc.; Regulators for astronomical purposes, jewellers, and others, when the most perfect time is desired.

PIG IRON.—American and Scotch, of favorite brands; also Cupola Fire Bricks, Fire Clay, Sand and Foundry Facings of every approved description, for sale by G. O. ROBERTSON, & CO., office 135 Water street, (corner of Pine), N. Y.

PALMER'S PATENT LEG.—Manufactured by Palmer & Co., at 5 Burt's Block, Springfield, Mass., for New England and New York State, and 376 Chestnut street, Philadelphia; in every instance of competition in the Fairs of the various Institutes of this country, has received the highest awards as "the best" in mechanism, usefulness, and economy.

BEARDSLEE'S PATENT PLANING Tongue and Grooving Machines.—These celebrated machines have now been generally introduced in various portions of the United States. More than thirty are now in successful practical operation in the State of New York alone.

BARLOW'S UNSURPASSED Planing Tongue and Grooving Machines. Testimonials of the highest character can be given of their superiority over all others in use.

WOODBURY'S PATENT PLANING Machines.—I have recently improved the manufacture of my Patent Planing Machines, making them strong and easy to operate, and am now ready to sell my 24 inch Surfacing Machines for \$700, and 14 inch Surfacing Machines for \$650 each.

THE NEW HAVEN MANUFACTURING Company, New Haven, Conn., having purchased the entire right of E. Harrison's Flour and Grain Mill, for the United States and Territories, for the term of five years, are now prepared to furnish said mills at short notice.

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.

WHEELER, WILSON, & Co.—Watertown, Ct., proprietors and manufacturers of Allen B. Wilson's Patent Stitching Machine. Patented June 15, 1852, it can be seen at the Company's Office, 265 Broadway, New York.

STAVE AND BAREL MACHINERY.—We manufacture Stave and Barrel Machinery, for making everything in the cooper line, from the smallest white lead keg up to the largest cask in general use, all of which are warranted to hold the most subtle liquids.

ATMOSPHERIC TELEGRAPH.—The English Patent (just issued) is now offered for sale at the Company's office, 24 Merchant's Exchange, Boston, Mass.

TO STOVE MANUFACTURERS.—The subscribers would call the attention of stove manufacturers to a new process of obtaining slot for covers for the reception of lifting handles, for which he has just obtained a patent.

JAMES D. JOHNSON, Bridgeport, Ct., Proprietor of Wood's Patent Shingle Machine. Persons wishing to purchase rights or machines, can address as above.

WOODWORTH'S PLANING MACHINES ON hand and manufactured to order, of superior quality at reduced prices, warranted perfect; also steam engines and other machinery.

MACHINE FOR MAKING RAILROAD Chairs.—Having built one of my patent machines for making Railroad Chairs, and operated it in presence of several scientific mechanics, who pronounce it the most perfect machine ever made for the purpose.

PERUVIAN GUANO.—Just received, per ship Grecian, first quality of Peruvian Guano. No. 1 Super-phosphate of Lime constantly on hand; also Agricultural and Horticultural Implements and Field and Garden Seeds: the largest and most complete assortment to be found in the United States.

NEW METHOD FOR MAKING WROUGHT-IRON direct from the Ore.—The proprietors of James Renton's Patent, who have purchased Alex. Dickerson's patent for the above purpose, are desirous of introducing the invention into general use, and invite parties who may wish to negotiate for rights for States and counties, or for furnaces, to make immediate application, and to examine the furnace which is in successful operation at the American Iron Company's Works, Newark, N. J.

STAVE MACHINERY.—We manufacture the improved Mowry Stave Machine for slack work, cutting, dressing, and jointing, at one operation, without any handling of the stave until it is finished, after you place the bolt of wood upon the feeding carriage.

J. SLOAN'S PATENT HYDROSTAT.—For the Prevention of Steam Boiler Explosions. The undersigned having made extensive arrangements for the manufacture of these machines, are now prepared to receive orders for the immediate application of the same to boilers of every description.

MACHINERY.—S. C. HILLS, No. 12 Platt-st. N. Y. dealer in Steam Engines, Boilers, Iron Planers, 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; Morticing and Tenoning machines; Belting; machinery oil, Beal's patent Cob and Corn mills; Burmill and Grindstones; Lead and Iron Pipe &c.

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

LEONARD'S MACHINERY DEPOT, 109 Pearl-st. and 60 Beaver, N. Y.—Leather Banding Manufactory, N. Y.—Machinists' Tools, a large assortment from the "Lowell Machine Shop," and other celebrated makers.

PAINTS, &c. &c.—American Atomic Drier Graining Colors, Anti-friction Paste, Gold Size, Zinc Drier, and Stove Polish.

COTTON MACHINERY.—Of the most approved plans, from the best shops in the country;—drawings, specifications, and general arrangements for the machinery, furnished at the lowest rates, by W. B. LEONARD, and E. W. SMITH, 75 Merchants' Exchange, New York.

THE TROY IRON BRIDGE CO. are prepared to erect Iron Bridges or Roofs, or any kind of bearing trusses, girders, or beams, to span one thousand feet or under, of any required strength, in any part of the country.

FABES & GRAY (Successors to TRACY & FALES), RAILROAD CAR MANUFACTURERS.—Grove Works, Hartford, Connecticut. Passenger, freight, and all other descriptions of railroad cars and locomotive tenders made to order promptly.

C. B. HUTCHINSON'S PATENT STAVE Cutting Machines, the best in use, and applicable alike to thick or thin staves; also his Head Cutting and Turning, and Stave Jointing Machines.

J. D. WHITE'S PATENT CAR AXLE LATHES also Patent Engine Screw Lathes, for boring and turning tapers, cutting screws, &c. We manufacture and keep constantly on hand the above lathes; also double slide Chuck and common Hand Lathes, Iron Planers, S. Ingersoll's Patent Universal Ratchet Drill, &c.

COCHRAN'S CRUSHING MACHINE.—Can be seen in daily operation in Thirteenth street, between 9th and 10th avenues. Parties in want of a machine for crushing and pulverizing quickly and cheaply Quartz Rock, Iron, Lead, Copper, and Silver Ores, and other mineral substances equally hard, are invited to witness the operation of these powerful and simple, but yet effective machines.

THE NEW HAVEN MANUFACTURING CO. No. 2 Howard st, New Haven, Ct., are now finishing 6 large Lathes, for turning driving wheels, and all kinds of large work; these lathes weigh 9 tons, and swing 7-13 feet, shears about 16 feet long. Cuts and further particulars can be had by addressing as above, post-paid, or to S. C. Hills, agent N. H. M. Co., 12 Platt st, N. Y.

LEE & LEAVITT—Manufacturers of every description of Cast Steel Saws, No. 53 Water street, between Walnut and Vine, Cincinnati, O.