

TO CORRESPONDENTS.

J. M., of Pa.—We do not know of any work devoted especially to distilling or, one which contains the information you want respecting alcohol.

H. S. B., of N. Y.—Your lathe for turning irregular forms is constructed upon the same principle as the Blanchard patent; J. M. Quinby, of Newark, is the assignee and manufacturer of this lathe.

O. H. Warner, Macon, Ga.—Wants a portable steam power for sawing wood. What is its cost? Its power? How many cords of wood will it saw per day on an average? And how much help is required to work it? Address as above.

H. M. L., of Ohio—It is not patentable to make window sash, or any other article, of cast-iron, there is nothing patentable in your proposed change.

G. H. A., of N. Y.—We do not know of any such patent as you mention.

J. B. M., of Tenn.—It is very questionable about your obtaining a patent for your apparatus. We see no chance for a claim.

J. R. R., of Ohio.—We could not send all the back numbers you wanted—this is the reason you have not received them.

W. S., of Ohio.—We cannot give the information required about the washing machine. There are a vast quantity of patent washing machines.

W. A. K., of N. Y.—We know nothing of the matter mentioned in your note. If fraud has been used, you have legal remedy in the Court of Equity.

H. L., of Geo.—We can furnish you no satisfactory information in regard to the points of enquiry in your letter. Perhaps by addressing the editors of the Cotton Planter at Baltimore, you may learn full particulars.

A. H., of Ill.—There is nothing new in your plan. It is essentially the same as the one described in our last volume. We have seen a number of modifications of it all of the same character.

J. D. R., of Pa.—Last year a patent was issued to Francis Wolfe, of Bethlehem, Pa., for a machine for making paper bags. We believe it is the only one in use.

E. C. B., of Mass.—In Nims's patent 1851, a spring is used in the frame. It is not patented.

D. O., of Pa.—There is nothing patentable in your device for operating window shutters.

R. W., of N. Y.—The success of any undertaking depends upon its management. A good improvement in the case of the engine might be made peculiarly valuable if well managed.

J. M. G., of N. H.—Such a brake as you describe has been in use many years, and several patents have been granted on modifications of it.

J. A., and W. B. M., of Boston.—We think no patent can be obtained on your device, steam teeth which answer the same purpose, are used in Tuttle's saw, and in Knowles' patent you will find a similar principle.

F. V., of Mich.—Your subscription will not expire until no 26, next volume.

J. D. B., of Ala.—There is no system of pumps that we are aware of for supplying tanks of railroads. The situation of the place determines the kind of pump most suitable. A chain pump is as good as any in some places; a double force pump may be required in another place. The pump of Gwynne (encriferal) is a very good one, and may be suitable for your purpose.

E. D. C., of Conn.—We see no chance for a patent on your oil cup. Your advertisement was too long, therefore we omitted the first part. A single subscription to the Scientific American is not taken for less than \$2.

A. F., of Mass.—It would scarcely make any difference whether the grid bed has a rotary or a reciprocating motion in a patentable point of view. We think it would not.

J. P. C., of N. Y.—Chapman has never issued any more numbers of his Drawing Book.

H. G. R., of T. nn.—You have nothing new in your chain. It is essentially similar to Chapin's patent, granted four years since. Other references might be given, but it is thought unnecessary.

J. H., of Pa.—We do not discover any patentable novelty in your contrivance for transporting horse powers, and advise you not to apply.

C. W. S., of Conn.—The reason, we believe, why the paper of which the English books are composed is so much better than those in our country for writing is owing to the substances of which the two are composed being different. The English books are mostly printed on linen paper.

O. G., of Mich.—You can furnish us with a rough pencil sketch of your wheel, and we will give you an opinion. The Morgan wheel is not the one referred to, and we have no extra number to send of the one referred to.

Money received on account of Patent Office business for the week ending Saturday, March 5:—

O. B. T., of Pa., \$30; W. H., of N. Y., \$25; F. N., of N. Y., \$10; C. P., of Mich., \$20; F. C. G., of N. Y., \$30; J. L., of N. H., \$50; T. F., of Ct., \$30; S. S., of N. Y., \$67; C. D. B., of Ct., \$30; W. C., of Mass., \$30; N. C., of N. Y., \$35; A. & S., of N. Y., \$20; W. W. & Co., of Pa., \$40; G. G., of N. Y., \$30; A. L., of N. J., \$27; A. C., of Ct., \$30; D. Z., of Pa., \$30; G. A. B., of Ill., \$30; T. S. G., of N. J., \$30; J. I. V., of N. Y., \$25; W. W. W., of Ct., \$30; P. & R., of Ill., \$35; E. B., of R. I., \$25; T. O. C., of N. J., \$25.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday March 5:—

F. N., of N. Y.; W. C., of Mass.; W. W. & Co., of Pa.; A. L., of N. J.; J. I. V., of N. Y.; T. O. C., of N. J.; E. B., of R. I.

A Chapter of Suggestions, &c.

BACK NUMBERS AND VOLUMES.—In reply to many interrogatories as to what back numbers and volumes of the Scientific American can be furnished, we make the following statement.—Of Volumes 1, 2 and 3—none. Of Volume 4, about 20 Nos., price 50 cts. Of Volume 5, all but four numbers, price, in sheets, \$1. Of Volume 6, all; price in sheets, \$2; bound, \$2.75. Of Vol. 7, all; price in sheets, \$2; bound, \$2.75. Of Vol. 8, none.

ADVERTISEMENTS.

Terms of Advertising.

Table with 2 columns: Number of lines and Price. 4 lines, for each insertion, 60 cts. 8 lines, 1,00. 12 lines, 1,50. 16 lines, 2,00.

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.

THE PROPRIETORS OF JAMES RENTON'S Patent for the manufacturing of wrought iron direct from the ore, are desirous of introducing the invention generally, and invite parties who may wish to negotiate for rights for States and counties, or for furnaces, to make immediate application, and to visit the works at Newark and examine for themselves; they are disposed to make liberal arrangements with responsible parties who make an early application. Applicants for rights in the State of New Jersey may address Hon. J. M. Quinby, President of the American Iron Co. Inquiries or application for other States may be made to the subscribers. The furnace which is now in operation at the American Iron Co's works, corner of Parker and Passaic sts., Newark, N. J., is attracting considerable interest. Gentlemen from all parts of the county have visited the works, examined the operation, and express the highest commendation of it. JAMES RENTON, A. H. BROWN, Proprietors, Newark, N. J. 26 5\*

HAVING USED A COPY OF "Thirty Receipts for Coloring Cotton and Wool," published at Quebec, and of which E. D. Campbell is proprietor for the United States, I recommend to every person who has coloring to do to procure a copy of this work, as I think it the best of any I have ever seen. Having been brought up to the coloring business, and followed it for over twenty years, I deem myself qualified to judge of its merits; the price is a mere trifle compared with the value of the work. LORENZO HALL, Peace Dale, R. I. Enclose One Dollar on any solvent bank to the subscriber by mail and the above work will be forwarded by return mail, free of postage. Address E. D. CAMPBELL, Campbell's Mills, Windham, Co., Conn. 26 2\*

TO ARTISTS, DESIGNERS, &c., one hundred dollars premium.—The government of the Massachusetts Charitable Mechanic Association having determined to procure a new diploma to be used at the Exhibition the present year, hereby offer a premium of one hundred dollars for the best original design of one Artist and others who may be disposed to compete, will please send their drawings to the secretary on or before Saturday the thirtieth day of April next. Each drawing must have some mark upon it, and must be accompanied by a sealed envelope, bearing a similar mark, and containing the address of the party sending it. For the design which shall be adopted by the executive committee the above premium will be paid. The other designs will be returned to their respective owners on demand. Any further information may be obtained by application to the Secretary. In behalf of the Government, FRED H. STIMPSON, Secretary. Boston, Feb 23, 1853. 26 3\*

PENNSYLVANIA AGRICULTURAL IMPLEMENT WAREHOUSE.—The undersigned have formed a co-partnership under the name and style of Boyer & Hall, for the purpose of establishing a depot in Harrisburg for the purchase and sale on commission and otherwise of seeds, agricultural and horticultural implements, machines, &c., of every description, and respectfully solicit the attention of agriculturists and manufacturers of implements, to our establishment, with the assurance that every facility will be offered for ready sales on the most advantageous terms. WILLIAM L. BOYER, D. D. HALL, Harrisburg, Pa. References.—James McCormick, Esq., President Dauphin Dep Bank; John Wallower & Son, Forwarding Merchants; J. W. Weir, Cashier Harrisburg Bank 1\*

MAXWELL IRON WORKS, 259 Bowery, N. Y. Steam engines, lathes, drilling and planing machines, machinists' tools of every description, printing, lithographic and copper plate presses, bookbinders' cutting and embossing presses, rolling machines and squaring shears, iron backing presses, improved standing press, proof and transfer presses, cylinder newspaper press, self-inking apparatus, and every article in the press line, necessary in a printing office or bindery, made to order, on reasonable terms. All kinds of repairing done with the greatest despatch. N. B.—Steam fire pumps made 10 per cent cheaper than at any other establishment. 26 4\*

PATENT LAWS OF THE UNITED STATES, and information to inventors and patentees; for sale at the Scientific American office. Price 12 1-2 cents.

IRON FOUNDERS MATERIALS.—viz.: Scotch and American Pig Iron, of favorite brands; Scotch patent Fire Bricks—square, arch, and circular. Fire Clay and Fire Sand; Moulding Sand for Iron and Brass Founders; Core Sand and Flour. Pulverized Black Lead, Soapstone, Sea Coal, Anthracite, and Charcoal Bolted Facings of approved quality, for sale by G. O. ROBERTSON & CO., office 135 Water street, (corner of Pine), N. Y. 19 60w\*

1852 to 1856.—WOODWORTH'S PATENT Planing, Tonguing, Grooving, Rabbeting, and Moulding Machines.—Ninety-nine hundredths of all the planed lumber used in our large cities and towns continues to be dressed with Woodworth's Patent Machines. Price from \$150 to \$760. For rights in the unoccupied towns and counties of New York and Northern Pennsylvania, apply to JOHN GIBSON, Planing Mills, Albany, N. Y. 1amtf

BRIDGEWATER PAINT MANUFACTURING COMPANY DEPOT, 125 Pearl and 78 Beaver streets, New York, have on hand a large supply of this paint, and are prepared to receive orders for dry packages of 200 lbs and upwards, and in oil of assorted colors in kegs of 25, 50, and 100 lbs. For wood, iron, stone, and brick work, it has no equal. Painters are using it with great success on brick buildings (the natural color resembling brown stone), on tin, canvas, or shingle roofs, villas, barns, fences, depot buildings, railroad cars, bridges, &c.; also for decks and bottoms of vessels. The black has been found superior to any other, for hulls of vessels, being more durable, possessing a greater body and cheaper. From its spark and cinder-proof qualities, it is well adapted to all kinds of wood work, where there is danger from fire. Testimonials of its virtues, and specimens on wood, tin, canvas, &c., may be seen at the depot. Letters must be addressed to 25 4\* R. BOGERT, General Agent.

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. At the "World's Fair," London, 1851, in competition with thirty other varieties of artificial legs (by the best artists in London and Paris), it received the Prize Medal as the best. 25 20\* (16c3w)

SPILLARD AND DODGE—Arch Street Hall Brass Foundry, and manufactory of plumbers' brass; water, steam, and gas cock constantly for sale upon reasonable terms; 213 Arch street, Philadelphia, Pa. 25 8\*

AARON KILBORN, No. 4 Howard st, New Haven, Conn., manufacturer of Steam Engines, Boilers, &c. Noiseless fan blowers and machinery in general. 25 10\*

NEW PATENT RIGHT FOR SALE.—State rights to make and sell the premium machine for Paring, Coring, and Quartering Apples, &c.; patented on the 25th Jan'y, 1853, and illustrated in No. 23, present volume Scientific American, can be had at reasonable prices by applying, post-paid, to the sole proprietors. SMITH & FENWICK, 25 4 14 Vandam st., N. Y.

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. For further particulars apply to E. & J. BUSSING & CO. No. 32 Cliff st., N. Y. 23tf

CHILDS, TANTER & CO., Worcester, Mass., Builders of Daniel's Planers, with Read's feed motion, and J. A. FAY & CO's celebrated Woodworking Machinery. 24 8\*

SAND PAPER, GLUE.—Excelsior Sand and Emery Paper. ABBOT'S Manilla Sand and Match Papers. Emery Cloth, Emery, Emery Grit, Pumice Stone ground and in lump, of very superior quality; also glue of all grades, and in quantities to suit purchasers at the lowest manufacturers' prices for sale by WILLIAM B. PARSONS, 234 Pearl street. 24 8\*

PATENT FOR SALE.—HOLLING'S Improved Hose Pipes, issued Jan 4, '53, titled "Regulating Water-apprad for Fire Engines, &c." The above Right, &c. will be sold cheap as the owner is about leaving for Australia. All communications addressed to box 39 Chelsea P. O. Mass., will be promptly attended to. 24 4\*

FOR SALE.—A Bargain.—A Good Second-hand Steam Engine of twenty-four horse power, with all the appurtenances; will be sold for about one-third of the price of a new one. Inquire of J. B. BEERS, 49 John street. 24 3\*

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. 23tf

BLACK LEAD CRUCIBLES and Melting Pots of any form, size and quality, made to suit customers, for 3 cents per number, and warranted equal to any of the kind manufactured in the world, by D. H. PURINTON, Somerset, Mass. 23 10\*

WOODWORTH PLANING MACHINES, ON hand and manufactured to order, of superior quality, at reduced prices, warranted perfect. Also steam engines and other machinery, by JOHN H. LESTER, 57 Pearl street, Brooklyn, L. I. 22 8\*

E. HARRISON'S UNEQUALLED FLOUR AND GRAIN MILLS.—Their frames and hopper are cast iron, and the stones French Burr, 30 inches in diameter; grinds of wheat and corn 20 bushels an hour, weighs 1400 lbs; cash price \$200. These mills, constructed upon a new principle, have become widely known, and are producing a revolution in milling. Cash orders promptly supplied, and the mill warranted to work in the best manner. The patentee offers \$500 reward for any mill which will do an equal amount of work with the same power and dressing. Made and for sale at the corner of Court and Union streets, New Haven, Conn., by EDWARD HARRISON. 20 12\*

PATENT DRAFT BOARDS.—With extension scales, sheet fasteners, and T' rule. See Reports of Worcester Fair, Maryland State Fair, &c. &c. with their awards. \$10 complete. Sent by express. Address, post-paid, CHAMBERLIN & CO., Pittsfield, Mass. 16tf

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. Their bridges will be subjected to severe tests, and can be built for about the price of good wooden ones. Address BLANCHARD & FELLOWS, Troy, N. Y. 7 20\*

SHINGLE MACHINE.—WOOD'S PATENT.—JAS. S. D. JOHNSON, of Bridgeport, Conn., proprietor of this justly celebrated machine, is now on a tour through the South western States, and will exhibit the machine in operation in the principal towns and cities. Notice will be given in the local papers where and when it may be seen; he will dispose of machines and rights upon reasonable terms. 20tf

BEARDSLEE'S PATENT PLANING Tonguing 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. As an illustration of the extent of work which they are capable of performing, with unrivalled perfection, it is sufficient to state that, within the last six months and a half, over five millions of feet of spruce flooring have been planed, tongued and grooved by one of these machines at Plattsburgh, N. Y., never running to exceed ten hours a day. The claim that the Beardslee machine was an infringement upon the Woodworth patent, has been finally abandoned; and after the proofs had been taken, the suit instituted by the owners of that patent was discontinued, and the whole controversy terminated on the first of November last. Applications for machines or rights may be made to the subscriber, GEO. W. BEARDSLEE, 57 State street, or No. 764 Broadway, Albany. 15tf

W. P. N. FITZGERALD, Counsellor at Law, has recently resigned the office of principal Examiner of Patents, which he has held for many years, and is ready to assist, professionally, in the preparation and trial of patent causes before the U. S. Courts in any of the States, and before the Supreme Court of the United States. He also acts as Counsel in cases before the Patent Office, and on appeals therefrom, but does not prepare applications for Patents. Office corner of E and 8th sts., Washington, D. C. 18tf

APPLICATION will be made to the Commissioner of Pensions for a duplicate of Land Warrant Certificate No. 63,062, issued by the Department in 1849, to Roxana, widow of Silas Salisbury, late of 2nd U. S. Infantry; said warrant was assigned by her to E. C. Church, and by him to me Oct. 1st, 1849, and was stolen from me the 16th January, 1852, at the Hudson R. R. Depot, New York City. CHARLES L. NIMS, January 24th, 1853. 21 6\*

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. I will warrant, by a special contract, that one of my aforesaid machines will plane as many boards or planks as two of the Woodworth machines in the same time, and do it better and with less power. I also manufacture a superior Tonguing and Grooving Machine for \$360, which can be either attached to the Planing Machine, or worked separately. JOSEPH P. WOODBURY, Patentee, Border st. East Boston, Mass. 13tf

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; Burr mill and Grindstones; Lead and Iron Pipe &c. Letters to be noticed must be post-paid. 13tf

A. B. ELY, Counsellor at Law, 52 Washington st., Boston, will give particular attention to Patent Cases. Refers to Munn & Co., Scientific American. 16tf

LEONARD'S MACHINERY DEPOT, 109 Pearl-st. and 60 Beaver, N. Y.—Lather Banding Manufactory, N. Y.—Machinists' Tools, a large assortment from the "Lowell Machine Shop," and other celebrated makers. Also a general supply of mechanics' and manufacturers' articles, and a superior quality of oak-tanned Leather. P. A. LEONARD, 7tf

PAINTS, &c. &c.—American Atomic Drier, Graining Colors, Anti-friction Paste, Gold Size, Zinc Drier, and Stove Polish. QUARTERMAN & SON, 114 John st., Painters and Chemists. 1tf

LATHES FOR BROOM HANDLES, &c.—We continue to sell Alcott's Concentric Lathe, which is adapted to turning Windsor Chair Legs, Pillars, Rods and Rounds; Hoe Handles, Fork Handles and Broom Handles. This Lathe is capable of turning under two inches diameter, with only the trouble of changing the dies and pattern to the size required. It will turn smooth over swells or depressions of 3-4 to the inch and work as smoothly as on a straight line—and does excellent work. Sold without frames for the low price of \$25—boxed and shipped with directions for setting up. Address (post-paid) MUNN & CO. At this Office.

FALES & 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. 1tf

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. For machines or territorial rights, apply to C. B. HUTCHINSON & CO., Syracuse, N. Y. 9tf

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. Ingersol's Patent Universal Ratchet Drill, &c. Weight of Axle Lathe, 5,500 lbs; price \$600; Engine Screw Lathe, 14,000 to 7,000 lbs; price \$225 to \$675, BROWN & WHITE, Windsor Locks, Conn. 15tf

NEW HAVEN MANUFACTURING COMPANY, Tool Builders, New Haven, Conn., (successors to Scranton & Parshley) have now on hand \$25,000 worth of Machinists' Tools, consisting of power planers, to plane from 5 to 12 feet; slide lathes from 6 to 18 feet long; 3 size hand lathes, with or without shears; counter shafts, to fit all sizes and kinds of universal chuck gear cutting engines; drill presses, index plates, bolt cutters, and 3 size slide rests. The Co. are also manufacturing steam engines. All of the above tools are of the best quality, and are for sale at 25 per cent. less than any other tools in the market. Cuts and list of prices can be had by addressing as above, post-paid. Warehouse No. 1, Platt st., New York, S. C. HILLS, Agent N. H. Man'g Co. 19tf