

TO CORRESPONDENTS.

T.S.I., of O.—Your article is very well written, but as we have devoted already so much space to the same subject for the last two weeks, we shall be obliged to omit it.

M. C. R., of O.—If we understand your description of the lamp, it is a valuable improvement. You had better send us a sample, from which we shall be better able to judge of its patentability.

T. H., of Pa.—We do not advise any one to order the receipt of Mr. Morse. If we had carefully read the advertisement it would never have appeared in our columns. We suppose your plan for increasing adhesion of locomotive wheels might work, but it appears too complex to come into use.

M. B. E., of Wis.—We have entered your subscription for one year. If you wish our opinion in respect to an improved scraper, please to send us a sketch and description, as we cannot undertake to furnish all the different claims which have been granted.

C. W. B., of Ohio.—If you wish us to say anything more about your invention than what we have already, we shall require of you an operating model.

S. P. D., of N. S.—The most popular work on the steam engine is Dr. Lardner's; price, we believe, about \$4. Messrs. Appleton & Co., 200 Broadway, sell it. We do not know of any models or plates for sale.

D. S., of N. J.—We believe you have a new idea, but whether it be practicable or not, is more than we can tell from your rude drawing. Send us a model and we will advise you further—guess there is no doubt but that your plan is patentable.

G. C., of N. Y.—We will admit that your pump is unlike Jeffrey's in some of the details, but we do not discover any patentable points about it.

L. C. L., of Ky.—We do not agree with your sentiment in that respect; we think a man's title to his Letters Patent should be protected by the same laws that protect to him his farm or his cattle, and why not let it be attachable for debt by the same process?

M. W. B., of Md.—The peculiarly mysterious performance which you explain as practiced among certain of your friends, must belong to the Spiritual Rapping department of science—a theory that has developed itself since we left school, therefore we are unable to enlighten your inquiring mind.

C. R. S., of Vt.—A letter addressed to the Commissioner of Patents, making the inquiry you do, us, will be answered.

J. E. C., of R. I.—Your plan for a propeller has been submitted to us for an opinion as often as three times a year, on an average, for the last seven years—not a thing about it that is new.

J. A., of Me.—The work is for sale by H. C. Baird, Philadelphia, as the notice stated; the price we do not know.

J. B. C., of Boston.—We either do not understand your invention, or else it is a miserable contrivance.

U. B. V., of Pa.—We have examined the sketch of your alleged improvement in brakes. Within the past year a patent was issued for a brake, which combined essentially the same principle as you illustrate.

J. N. F., of Va.—We will attend to answering your inquiries about boilers as soon as the information can be obtained.

J. B. A., of S. C.—Your specification and drawings have been forwarded to the Patent Office; it will be of no use to send the other model.

J. P. M., of Mass.—The use of speaking-pipes in any particular position, or for any specific purpose, would not be patentable. The plan your friend proposes has before been suggested to us. We addressed a letter to M. & D. on the 13th Nov., ult.

"Dumfries Reformer"—We think Messrs. Hoe can furnish you with the stereotype of a steam engine of about the size you mention; we cannot. \$2 received on account of Mr. Stewart.

S. S. W., of Ga.—"Reid on Watch Making" costs \$5.00 in this city, and the postage on it by mail would be about 75c. more.

J. L., of Pa.—You can find no one work which embraces all the information you require upon dyeing wool, silk, and cotton. We have seen a very small work, price \$17, treating upon wool and cotton dyeing. Gilroy's work has several good processes in it, but where error exist it requires a practical dyer or chemist to detect and avoid them. We do not know who has the work for sale, but think Messrs. Harpers & Bros. are the publishers.

J. C., of N. Y.—We can discover nothing new or patentable in your rotary engine; we have been familiar with its principle and construction for several years.

W. M., of S. C.—You will soon hear from us in regard to your invention.

J. P., of Ark.—Your alleged improvement in rotary engines will not interfere with Mr. Barrow's. Some two years ago an engine, upon the same plan, was put into operation in this city, but it did not prove to possess such advantages as were originally claimed for it.

Money received on account of Patent Office business for the week ending Saturday, Nov. 27:—

T. A., of N. Y., \$30; S. E. S., of Vt., \$30; G. P. of Conn., \$55; H. G. R., of Pa., \$55; F. F., of Me., \$65; W. A. R., of Tenn., \$10; F. H., of N. J., \$30; J. B. T., of N. Y., \$30; W. F., of Pa., \$50.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Nov. 27:—

J. E. A., of Conn.; G. W. W., of N. Y.; N. P. G., of N. J., and F. R. C., of Mass.

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, all the back numbers, at the subscription price.

PRIZES.—Our subscribers will please to consider the great inducement offered to clubs, and to keep in mind the valuable prizes offered for the four largest lists of mail subscribers.

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.

PATENT LAWS, AND GUIDE TO INVENTORS.—We publish, and have for sale, the Patent Laws of the United States. The pamphlet contains not only the laws but all information touching the rules and regulation of the Patent Office. Price 121-2 cts. per copy.

FOREIGN SUBSCRIBERS.—Our Canada and Nova Scotia patrons are solicited to compete with our citizens for the valuable prizes offered on the present Volume. [It is important that all who reside out of the States should remember to send fifty cents additional to the published rates for each yearly subscriber; that amount we are obliged to pre-pay on postage.]

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.

PATENTERS.—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. 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 engraving 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.

ADVERTISEMENTS.

Terms of Advertising.

Table with 2 columns: Lines of advertisement, Price per line. 4 lines, 50 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 SATURDAY EVENING POST.—The Leading Literary Weekly.—Over thirty-one years have elapsed since the Saturday Evening Post was commenced; its circulation being now greater than at any former period. The publishers design giving, during the coming year, with other original matter, the following novelets: "Clara Moreland," by Emerson Bennett; "Miss Thusa's Spinning Wheel," by Mrs. Lee Hentz; "A Stray Patch from Aunt Hannah's Quilt," by Mrs. Frances D. Gage, of Ohio; "The Lost Heiress, a Story of Howlet Hall," by Mrs. E. D. E. N. Southworth, author of "The Deserted Wife," etc., together with Agricultural Articles, General News, Engravings, Miscellaneous matter, Humorous Sketches, Foreign Letters, &c. Terms (cash in advance): Single copy, per annum, \$2; 4 copies, \$5; 9 copies, \$10; 14 copies, \$15; 21 copies, \$20. Address DEACON & PETERSON, No. 66 South 3d st., Philadelphia. Sample numbers sent when requested.

DISEASES OF THE JOINTS AND SPINE.—For these complaints, Sir Benjamin Brodie (the Dr. Mott of London), recommends rigid confinement to the couch during two whole years at least, with the exhibition of one remedy—iron—all that time! Is, or is not, that treatment a stark, staring absurdity? For a solution of the question, with an improved method of managing these complaints, see the "Fallacies of the Faculty, with the Principles of the Chrono-Thermal Practice of Medicine," published by J. S. REDFIELD, 110 and 112 Nassau street, edited by Dr. Wm. Turner, of 224 Twelfth street, New York. Price 38 cents—postage 7 cents. For a remittance (post paid) of fifteen three-cent stamps, a copy of the above work will be mailed to any part of the United States, within 3,000 miles, post free 1\*

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. 12 4\*

BLISS' IMPROVED MORTISING MACHINE.—A very powerful and simple improvement. These machines are made by L. W. BLISS, Hartford, Ct., and on the receipt of \$25 will be boxed in good order and sent by Express to any part of the country. 12 4\*

UNITED STATES STANDARD RULES.—Manufactured by JOS. R. BROWN, Providence, R. I. Agents: A. J. Wilkinson, No. 2 Washington st., Boston; J. N. D. Wyckhoff, 152 Broadway, and S. Benmann & Quartier, 15 John st., N. Y.; Homer Foot & Co., Springfield, Mass.; John S. Gray, Hartford, and J. G. & F. H. Brown, New Haven, Conn.; W. F. Dominick & Co., Chicago. 12 4\*

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. Private consultations are held with inventors at their office from 9 A. M., until 4 P. M. Inventors, however, need not incur the expense of attending in person, as the preliminaries can all be arranged by letter. Models can be sent with safety by express or any other convenient medium. They should not be over 1 foot square in size, if possible. Having Agents located in the chief cities of Europe, our facilities for obtaining Foreign Patents are unequalled. This branch of our business receives the especial attention of one of the members of the firm, who is prepared to advise with inventors and manufacturers at all times, relating to Foreign Patents. MUNN & CO., Scientific American Office, 128 Fulton street, New York.

STEAM ENGINES FOR SALE.—We offer for sale two Engines and Boilers, as follows: one 3 horse, horizontal, cylinder 7 inches bore, 16 inch stroke, on a cast-iron bed, fly wheel, driving pulley, governor, pump, pipes, etc.; has never been used. The Boiler has been used by the maker about one year. It is cylinder, horizontal, 16 feet long, 30 inch diameter, has a steam chamber, try-cocks, check and safety valves; price, \$600. One 7 horse Horizontal Engine, 6 inch bore, 16 inch stroke, cast iron bed-plate, driving pulley, etc. Boiler horizontal, tubular, and has everything complete for putting it in operation. The engine is new, the boiler has been used, but is in good order. Price \$500. They are rare bargains, and will give satisfaction to the purchaser, being much less than new ones can be obtained. Address MUNN & CO.

TO FOUNDRY MEN AND MACHINISTS.—Metallic Letters and Figures to put on Patterns—Roman Style—Size, 5-16, 3-8, 7-16, and 1-2, price 3c. each; 9-16, 5-8, and 3-4, 4 cts.; 1 in., 6 cts.; 1-1/4 7 cts.; 1-1/2 8 cts.; 2 in. 10 cts. N. B.—The above are the sizes on the face of the Letters. Also, Gothic Style—Size, 1-4 and 1-2, Price 3 cts. each; (Roman Style) Branding Irons—1-4, 3-8 and 1-2 in. 4 cts. each; 5-8, 5 cts., and 3-4 in. 6 cts. Manufactured by COWING & CO., Seneca Falls, N. Y. Orders solicited. They can be sent to all parts of the Union, either by Mail or Express. We weigh all Packages and send them the cheapest way. 11 2\*

SECOND-HAND MACHINES FOR SALE Cheap. A double-rigged Scroll Saw, 1 power Morte Machine, 1 circular Saw, mandrel, bench, &c., 1 upright Saw for slitting panel stuff, 1 Lathe, Tools, &c.; 1 Boring Machine for Blinds: all in perfect running order. For further particulars, apply in person or by mail (post-paid) to HENRY E. ACKENS'S Steam Sash Blind and Door Factory, Sing Sing, N. Y. 11 2\*

COTTON MACHINERY FOR SALE.—Four Filling Frames, of 144 spindles each, made in the best manner and nearly new; price \$1 per spindle; and other machinery for sale equally low. Apply to E. WHITNEY, New Haven, Conn. 11 6\*

IRON FOUNDRY MATERIALS.—viz.: American hard white and grey Pig Iron; No. 1 Scotch Pig Iron; Iron and Brass Moulding Sand; Fire Sand and Fire Clay; Core Sand and Flour. English and Scotch patent Fire Bricks—plain, arch, and circulars for cupolas. Pulverized Soapstone and Black Lead, Sea Coal, Anthracite and Charcoal Foundry Facings of approved quality, always on hand and for sale by G. O. ROBERTSON, office 135 Water street, (corner of Pine), N. Y. 11 6\*

PATENT EXCELSIOR STRAW, HAY, AND CORNSTALK CUTTER.—Premiums awarded at the following Fairs:—Pennsylvania Agricultural Society, Lancaster, Pa.; New York State Agricultural Society, Utica, N. Y.; Rhode Island Ag. So., Providence, R. I.; Georgia Ag. So., Macon, Ga.; South Carolina Ag. So., Charleston, S. C.; Franklin Institute, Philadelphia, Pa.; Provincial Agricultural Association, of Toronto, Canada West. Having increased our facilities for manufacturing, we shall hereafter be able to execute all orders promptly. E. T. TAYLOR THOMAS & CO., 125 Pearl st., N. Y. 10 4\*

PALMETTO IRON WORKS FOR SALE.—The proprietors being desirous to close their business, offer for sale their Establishment, with the entire stock of Tools, Patterns, and Materials. A fine opportunity is now offered to capitalists and others interested, to secure an admirable business stand. Apply at the Iron Works, Pinckney street, or by letter to WM. S. HENEREY, Charleston, S. C. 9 4\*

SHINGLES, SHINGLES, SHINGLES.—WOOD'S latest improvement in Shingle Machines is becoming more generally used than any other ever invented, and is unquestionably the best machine now in use; it produces shingles from all kinds of timber in a very perfect and rapid manner. Machines and rights for sale. Apply to JAMES D. JOHNSON, Bridgeport, Ct. 9tf

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

EXHIBITION OF WORKS OF AMERICAN Industry at Washington City.—The first exhibition of the Metropolitan Mechanics' Institute will be opened on Thursday, the 24th of February, 1853, in the new and splendid hall of the east wing of the Patent Office, one of the largest and most magnificent rooms in the United States, being 275 feet long by 70 feet wide. To this exhibition the manufacturers, mechanics, artists, and inventors, from all portions of the Union, are cordially invited to contribute. The hall will be opened for the reception of goods on Monday, the 14th of February, and the exhibition will positively close on or before Thursday night, March 17. Circulars, containing detailed instructions, will be forwarded and any further information given, on application (post-paid) to the Corresponding Secretary, Charles F. Stansbury, to whom all communications on the business of the Institute should be addressed. 8tf

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\*

BAILEY'S SELF-CENTERING LATHE.—The best in America for Chair Stuff, Wagon Thills, Rake, Fork, Hoe, and Broom Handles. Persons wishing this Lathe, warranted to do twice the work of any other lathe, by applying to L. A. SPALDING, Lockport, N. Y., can be supplied. The following certificate of Birge & Brother, extensive chair manufacturers, at Troy, N. Y., is to the point:—"After making a perfect and thorough trial of Bailey's Self-Centering and Self-Adjusting Lathe, we can cheerfully recommend it as in every way calculated to perform its work in the best manner—as it is the best Lathe we have ever used in our manufactory; and having used many different kinds, we feel safe in asserting that it is probably the best machine of the kind in use. BIRGE & BROTHER, Francis Miller, Lucius Foot, Turners for B. & B." 3 3m

BEARDSLEE'S PATENT PLANING MACHINE, for Planing, Tonguing and Grooving Boards and Plank.—This recently patented machine is now in successful operation at the Machine shop and Foundry of Messrs. F. & T. Townsend, Albany N. Y.; where it can be seen. It produces work superior to any mode of planing before known. The number of plank or boards fed into it is the only limit to the amount it will plane. For rights to this machine apply to the patentee at the abovesaid foundry—or at his residence No. 764 Broadway; Albany. GEO. W. BEARDSLEE. 23tf

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. 1tf

MACHINISTS' & MANUFACTURERS' Tools. O. SNOW & CO., Union Works, Meriden, Ct. Having increased their facilities for manufacturing Lathes, Planers, &c., have now on hand, finished and finishing off, Slide Lathes, a variety of sizes and lengths, at prices varying from \$125 to \$800, according to size and finish; also Hand and Power Planers for iron, 2, 3, 4, 6, and 10 feet beds; also Milling Machines, Hand Lathes with or without iron beds, comprising six different sizes, all of the most approved construction and warranted of the best quality of work. 9 7\*

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. Also a general supply of mechanics' and manufacturers' articles, and a superior quality of oak-tanned Leather Belting. 7tf P. A. LEONARD.

PATENT CAR AXLE LATHE.—I am now manufacturing, and have for sale, the above lathes; weight, 5,500 lbs., price \$600. I have also for sale my patent engine screw lathe, for turning and chucking tapers, cutting screws and all kinds of common job work, weight 1500 lbs., price \$225. The above lathe warranted to give good satisfaction. J. D. WHITE, Hartford, Ct. 39 26\*

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.

DRAWING BOARDS.—Patent; 23 by 29 inches, with extensive Scales and Sheet Fastener. Descriptive Circulars sent on application; \$10 for Board and T. Rule. Sent by Express. Address, post-paid, CHAMBERLIN & CO., Pittsfield, Mass. 50tf

FALES & GRAY (Successors to TRACY & FALES), RAILROAD CAR MANUFACTURERS.—Groove Works, Hartford, Connecticut. Passenger, freight, and all other descriptions of railroad cars and locomotive tenders made to order promptly. 1tf

IMPORTANT TO SOAP MAKERS.—Letters Patent of the United States having been issued to Wm. McCord on the 27th of July, for a valuable improvement in Soap, all manufacturers, vendors, and users are hereby cautioned against the use of Kaolin, or other equivalent aluminous minerals combined with ammonia, as they will, by so doing, infringe this patent, and subject themselves to prosecution. All the necessary fixtures for making 2000 lbs. per day, will cost not to exceed \$75; two persons only required to attend the manufactory. Rights to manufacture this the most valuable soap, are offered for sale on reasonable terms. Apply to WM. McCORD, 141 Sullivan st., N. Y. 47tf

POSTAGE STAMPS.—Post Office Stamps, of the denomination of 1, 3, or 12 cents, may be had at par by addressing MUNN & CO., Scientific American Office.

A. B. ELY, Counsellor at Law, 46 Washington st., Boston, will give particular attention to Patent Cases. Refers to Munn & Co., Scientific American. 13tf

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 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. 12 Platt st., New York, S. C. HILLS, Agent N. H. Manufacturing Co. 45tf