

TO CORRESPONDENTS.

O. of N. J.—We have given our opinion on the same subject in a recent number of the Scientific American.

S. C., of Texas.—We have seen a rotary wheel driven by electricity of nearly the same features as yours, and which was applicable to the propulsion of vessels, but it is not a practicable engine, in comparison with steam. We advise you not to go into any expense in making an engine.

T. J. C., of Ohio.—There is no machine in use for the purposes stated, viz., engineering and surveying. A number of instruments are used.

C. F., of N. Y.—Your's just came to hand while about ready for the press.

H. H., of Va.—You will see a notice of Ericsson's engine in another column. Your plan is not like his, but we must know more about it before we can say whether it is or is not patentable.

W. D. E., of Miss.—We have seen models of such plows as you mention, and presume they are in use in some sections. If you wish your's examined, please to send a model or sketch and description.

L. B. F., of Mass.—The principle of your invention is substantially the same as Paine's Patent, and no patent can be obtained for it. The mode you have adopted for securing the window is not the same as Paine's, but yours possesses no advantages over his, and so long as the ventilating principle is the same, we cannot advise you to make an application. The amount sent for subscriptions has been employed for that purpose.

H. S. W., of Ohio.—There is nothing new or useful in your alleged improvement in the steam engine. Your's and kindred devices have been known and have passed out of use.

J. W. A. R. M., of Canada.—It is utterly out of the question for us to think of republishing our first volumes. Many of the engravings are not in our possession, and it would require much time and labor to do justice to the work, more time than we could appropriate outside of our ordinary duties.

E. B., of N. Y.—Your arrangement is slightly different from anything we have ever before seen, and we think it involves a limited amount of novelty.

M. & E., of N. Y.—Your model was received with ten dollars on the 10th inst. We will proceed with your business in its turn, which will be about ten days hence.

G. W., 2nd, of O.—One dollar received. All right. J. J. J., of Pa.—Your's will receive attention. The question had nothing to do with momentum, merely the revolution, as we stated, if the small wheel slides over its surface in every revolution, how much will it slide to make it describe a line as long as the large wheels.

A. J. of Ohio.—Gun barrels are browned by mixing up some nitric acid and water, and dissolving some copperas in it, and then apply it to the gun barrel with a cloth, merely moistening it, and then let it stand two days, when it will be coated with rust, brush this off with a wire brush, and do the same work over again, after which wash with warm water, then oil it and finish. The acid solution must be weak. Razors are etched by covering them with a varnish of beeswax and pitch, then removing the parts which you wish to etch, with an instrument, and biting in the metal with a weak acid, such as nitric mixed with water.

W. M. M., of Ill.—In a short time we will publish a series of articles on Artesian Wells. They are all supplied by rains, and this is what the Scriptures mean when they say, "the hills are watered from his chambers,"—chambers of heaven. When rains cease, springs cease to flow.

H. Van D., of N. Y.—We think it will be extremely difficult for you to get a patent for a mode of closing the buckets so as to give them any degree of aperture, it is described in Haviland & Tuttle's specification.

S. & K., of —.—We have taken some pains to examine your letter, and have searched for information so that we might be able to give you as correct an answer as possible; we believe your plan is patentable; so far as we have been able to judge, it is a new and useful invention. It is our opinion that very few pockets are picked in our cities except in large crowds.

W. F. S., of Ala.—You may employ a plate of copper and zinc, alternately, with a division between each pair, and amalgamate the zinc plates with quicksilver. Use a solution of the sulphate of soda in the battery. There is no patent on this battery, nor on any of those in common use.

A. M., of N. H.—Steel is a combination of iron and carbon in certain proportions.

A. R., of Ala.—The art of stereotype printing is the invention of Lord Stanhope.

R. F., of Ga.—The carpets from England, called Kidderminster, derived their name from being originally made at that place, but they are now mostly made in Kilmarnock, in Scotland.

A. M. N., of Me.—The Toledo swords are celebrated for the excellence of the steel.

—, Bangor, Me.—Our correspondent at this place, who inquires about Wood's Pump, fails to sign his name to his letter, therefore we are unable to reply by letter. We can find no such patent; perhaps you had better write to the Commissioner of Patents; he would answer your inquiries under the circumstances.

P. B. S., of Baltimore.—Your invention is quite a different thing from what we supposed it to be from your former description. It is not, in our judgment, practicable, and we advise you to abandon it.

Money received on account of Patent Office business for the week ending Saturday, Nov. 13:—

H. R., of —, \$25; W. T., of N. Y., \$40; M. R., of Me., \$35; J. M., of Pa., \$55; E. P. R., of N. Y., \$350; A. H. & Co., of Pa., \$222; M. & E., of N. Y., \$40; C. W., of N. Y., \$10; L. N. L., of Mass., \$20; H. M. & Co., of Mass., \$30; T. A., of N. Y., \$20; H. B., of N. Y., \$20; R. & S., of N. J., \$25; A. W., of Ct., \$30; J. R. K., of Ga., \$50; H. G., Jr., of N. Y., \$25; J. G. P., of R. I., \$20; S. J. P., of Ct., \$55; W. E. H., of N. Y., \$20; S. & D., of N. H., \$30.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Nov. 13:

S. J. P., of Ct.; C. & K., of Pa.; J. M., of Pa.; L. N. L., of Mass.; H. G., Jr., of N. Y.; E. N. B., of L. I.; S. & D., of N. H.

A Chapter of Suggestions, &c.

CHEAP POSTAGE.—The postage on the Scientific American, to subscribers residing within the State of New York, will be but 13 cts. per annum henceforth, instead of 13 cents per quarter as formerly, and will be delivered at the most remote parts of the United States for 26 cts. per annum, whereas the postage formerly demanded at distant offices was \$1.20 per annum. The saving produced by the reduction of newspaper postage under the new statute, is no inconsiderable item, and many who could not afford to subscribe for the Scientific American, under the old law, can now withstand the expense.

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.

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.

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.]

INFALLIBLE RULE.—It is an established rule of this office to stop sending the paper when the time for which it was pre-paid has expired, and the publishers will not deviate from that standing rule in any instance.

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 bona-fide acknowledgment of the receipt of the funds.

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.

TO CORRESPONDENTS.—Condense your ideas into as briefspace 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 a few words as possible, and if you have some invention to describe, come right to the business at the commencement of your letter, and 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.

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.

SLAUGHTER & PERRY'S IMPROVED CORRUGATE MACHINE.—The Patent Right to this valuable machine, for New York, the New England and Southern States, are for sale. Machines in operation can be seen at Todd, MacLay & Co.'s, Paterson, N. J.; Clark's Mills, Oneida Co., N. Y.; W. A. Richardson's, Louisville, Ky., and at the subscribers' in Fredericksburg, Va. Address F. & J. W. SLAUGHTER. 75*

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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 special 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 8 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.

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., 104* 125 Pearl st., N. Y.

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 1-2, 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. 97*

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. 94*

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. 97*

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. 97*

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. 87*

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 & TLOUR, Troy, N. Y. 720

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. 187*

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BALLOONS.—Of any size made to order, warranted; also Wise's complete work on Aeronautics; price \$2, sent postage free to any part of the United States. A 25 feet Balloon on hand. Orders punctually attended to. Address JOHN WISE, Aeronaut, Lancaster, Pa. 66*

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. 237*

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; Mortising 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. 11*

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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 manufacture. Rights to manufacture this the most valuable soap, are offered for sale on reasonable terms. Apply to WM. McCORD, 141 Sullivan st., N. Y. 471*

LOGAN VAIL & CO., No. 9 Gold street, New York, agents for George Vail & Co., Speedwell Iron Works, have constantly on hand Saw Mill and Grist Mill Irons, Press Screws, Bogardus' Horse-Powers, and will take orders of Machinery of any kind, of iron and brass; Portable Saw-mills and Steam Engines, Saw Gummers of approved and cheap kind, &c. Gearing, Shafting, large and small, cast or of wrought iron. 11 1y

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