

TO CORRESPONDENTS.

B. B., of Ohio.—Your premises are entirely erroneous. The marble business is much more extensive than you appear to be aware of. Mr. Manly's offer was \$10,000 for the right to four States only. The original terms of Mr. M.'s proposal carried with them, to most minds, the explanations we gave in our subsequent article. Your interpretation is too literal. Would any man be so foolish as to offer such a premium for a thing that was no improvement? You seem to think that the money ought to be paid for the first machine that would cut two sides on a taper, even if such device were so clumsy as to involve in its use, twice the time and expense that the single saw requires to do the same labor. In other words, that the prize should be given for a machine that lengthened the process, rather than shortened it. You are down on "prizes" without reflecting that every good invention generally brings to the inventor a large premium in money. You ask, "Has a premium for an invention ever been paid?" We reply, Yes. We have known of many prizes being paid for inventions. They are offered in private very often—nothing is more common than for manufacturers to say to ingenious mechanics, "Here, get me up a machine that will do this or that work, and I will give you such a sum." It is not often that such offers are thrown open to the public. We wish they were more frequently, for there is no question of their benefit. If you were present in our office to see the splendid and ingenious models that are sometimes brought in—could converse with the inventors and ascertain, as we often do, that this or that invention was brought out in consequence of the offer of a prize, you would no longer question the reality or the advantages of such stimulations. The day is past when "poor inventors" complain that their genius is unappreciated. If you hear such complaints you will generally find, on examination, that their inventions are good for nothing—which is the secret of the bad success of their authors. There never was a time when labor-saving inventions of all kinds were in greater demand or brought more rich rewards to inventors, than the present. No melancholic John Fitches or Oliver Evanses, travel our streets and lanes, now-a-days, lamenting that they search in vain for minds capable of appreciating the value of their discoveries. Witness the success of Morse with his Telegraph, Howe with his Sewing Machine, Colt with his Pistol, Hoe with his Printing Press, Carey with his Pump, Babbit with his Alloy, Winans with his Car Truck,—and hosts of others. Unless the world goes backwards, inventions must progress.

East Guilford.—We have received a letter from some person, dated at the above place, but as no name is signed or State is mentioned, we cannot reply. We wish that correspondents would always be careful to write their names, post office, and State, plainly.

H. H., of Ind.—Goods manufactured in Great Britain, no matter if they come from Nova Scotia, must pay the regular tariff.

S. M. Van W., of N. C.—No machine can take out the coloring matter of yellow oak bark. If the leather be as good as the northern kind, its color ought to be no objection to its obtaining as high a price. You can darken the color by using a very minute quantity of coppers dissolved in water in a separate liquor, previous to the hides receiving the last bark liquor.

C. D. & Co., of Wis.—We do not know where you can obtain a planing machine, for cabinet stuff 10 feet long and 22 inches wide, to make the work fit for varnishing without the use of a hand plane. The rotary planers will not perform such smooth work, but the stationary and reciprocating cutters will; yet none that we have seen appear to be adapted exactly for your kind of work.

H. A. M., of Ohio.—Your particular method of increasing the size of drivers for locomotives, without raising the boiler or other parts of the machinery higher, may be patentable; the objects to be accomplished are well known, and your views are correct respecting them. The saddle seat to which you allude would be objectionable we think. The air packing would not be so good as curled hair. There is a public large wash house in this city. A machine for washing and pressing clothes at one continuous operation, we think, would be patentable.

W. O. G., of Ct.—Your chances on the marble saw remain as stated in our letter.

W. B., of Mo.—We have never seen india rubber blown like glass. It can be rendered into a solution with turpentine kepsomewhat warm, and agitated in a close vessel for a number of days. You might try the experiment of blowing globes of it.

J. S. H., of Pa.—It will not be easy for you to conduct a stove pipe along the floor of a hall in a school house; the only way will be to enclose it in a wide cast-iron pipe, filling in between the two with plaster of Paris; or you might enclose it in section tubes of stone ware cemented.

S. L., of Nova Scotia.—We should think Bristol's Rotary Engine would answer your purpose very well. Mr. Bristol's address is Chicago, Ill. The Irving Boiler we think a good one, but could not say that it could be used to burn such fuel as you specify,—we think it could not.

J. H., of N. Y.—We see nothing patentable in your perspective arrangement. Send a copy of your chart to the U. S. Clerk of your District, and pay a dollar in order to obtain a copyright.

S. O., of Ind.—Ask the M. C. from your District to procure you a copy of the Report.

F. P., of Ind.—We believe there is a good market here for willows for baskets, but we do not know their price per ton; nor have we learned of such a machine being used for cleaning them as you describe. Brewster's Optics is to be found in almost every bookstore.

J. J. G., of Mass.—You can get a number of the Coach-maker's Magazine by writing to Mr. Saladee, Columbus, Ohio.

S. G. B., of N. Y.—We have not a copy of the work you refer to.

A. B., of Mass.—It is indeed lamentable, as you say, that so many young men read foolish and neglect useful papers. We thank you for your efforts to extend the circulation of the Sci. Am. You can take impressions of the leaves by submitting them to a severe pressure, between two sheets of paper dipped in glycerine,—pressure is required.

L. K. M., of Mass.—We are not acquainted with any work which gives instructions for cutting boots and shoes.

N. M. A., of N. Y.—There are several patents on hay rakes. Cannot tell which you mean unless you give the name of the inventor. \$1 received.

A. L., of Mass.—Connecting wires to windows and doors in such a way as to ring an alarm bell in case of an attempt to open the same, is an old idea. Any new arrangement of connections would be patentable. We thank you for your efforts in procuring subscribers for us. Shall be happy to receive your list.

W. E. F., of Ill.—We cannot tell you the proper consistency for the printers' rollers made with sugar.

H. B. C., of N. J.—The book which you want on mill-wrighting and flouring mills, has yet to be published. See another column for opinions on turbine water wheels.

B. J. S., of N. J.—You cannot find in any work a complete account of the practical manufacture of corn starch. A very brief account of the manufacture of paper mache will be found in Tomlinson's Encyclopedia.

W. B. G., of N. Y.—Griffith's work on Naval Architecture is the latest and best book on the subject. Address Stringer & Townsend, 222 Broadway for the same. \$2 received.

L. W. W., of Mass.—The Government keeps all caveats secret, therefore we cannot inform you whether a caveat for a spinning machine for spinning wool, consisting of a revolving plate, carrying a pair of drawing rollers for drawing the roving has been filed.

J. P., of Pa.—Steam at atmospheric pressure will require but little less water to condense it than when at the pressure usually admitted to the condenser. The quantity of water estimated to be necessary to condense steam at 212 degs., to water at 100 degs., which is the best heat for useful effect, is nearly 30 times the quantity evaporated. 212 degs. is the temperature of steam at atmospheric pressure. You will see, therefore, that you can do comparatively nothing towards producing a vacuum with the quantity of water required for the boiler.

S. M., of Me.—The initial velocity of a one pound cannon ball, with a charge of 12 ozs. powder is 1680 feet per second. Address Editor of *Silliman's Journal*, New Haven, Ct. Cannot say as to *Astronomical Magazine*. We are all out of No. 30, Sci. Am.

L. J., of Wis.—Before the patent is obtained, inventors cannot prevent others from manufacturing their inventions. Indeed, their rights do not begin till the patent issues, after which they can procure injunctions and damages for subsequent infringements. At present patents cannot be obtained at all in Canada, by Americans or their attorneys. It is expected that the Canadian laws will be modified in this respect ere long.

E. A. J., of N. Y.—It matters not what the shape of your marble saw is, or how the block is cut, provided the work is done. You had better go to some marble quarry and post yourself up a little.

C. E. D., of Mass.—The use of a roll of printing paper, to be cut off into sheets, after passing through the press, is not new or patentable. It is not applicable to common presses.

K. A., of N. Y.—We have no doubt the contrivance you have for flavoring the smoke of cigars, as it passes out of the cigar, is patentable. Turkish pipes have a receptacle for scented water, but your device, we should infer from your description, was different. Let us see it.

J. L. G., of Canada.—Ventilating R.R. cars by means of a fan blower operated by connections with the axles, and thus forcing air through water, into the car, is an old idea in this country, and not patentable.

W. B. G., of N. Y.—Putting screws into the legs of billiard tables in order to level the tables, is very old. The arrangement of levels in the frame, as you propose, we do not remember to have seen. We do think its patentability doubtful, however, for it is common in many instances.

E. W. F., of N. J.—Thos. Blanchard's address is Boston, Mass.

Dr. W. P. Ewing, of Bells Valley, Va., desires to know who is the patentee of the best washing machine out. We cannot tell him, for we know so many good ones that it would be difficult to decide. Will some of our readers inform the Doctor?

J. F. S., of N. Y.—No person has a right to make a patented article, for his own use, without the consent of the patentee.

H. Z., of Pa.—The *Horticulturist*, a monthly magazine, published at Rochester, N. Y., is a most excellent work, and would probably suit your purposes. Address the editor for a specimen. We note your remarks on health; they are very good. \$2 received.

J. A. R., of Mass.—There is nothing eminently practicable in your paddle wheel device. Boxing in the ends of the paddles has been tried before. Movable floats somewhat analogous but not exactly like yours, have been tried. We think there are chances for a patent on your invention. But we doubt whether any striking advantage would result therefrom.

D. M., of N. Y.—We never received your letter ordering the change of your paper. The bark mill has not yet been sent in; will report when it arrives. \$55 will be the charge.

J. A. C., of Ala.—You do not state what the advantages of your brake are. We do not discover any. \$2 received.

P. S., of Va.—Making the cylinder of a thrashing machine larger than those ordinarily used, is not patentable. James H. Thompson, McLeod's P. O., Green Co., Miss., wants to know whose is the best washing machine.

S. H. W., of Ohio.—We know of no valve like yours, and think a patent might be secured.

Money received at the Scientific American Office on account of Patent Office business for the week ending Saturday, Sept. 8, 1855.—

- D. E. R., of Mich., \$30; W. M., of N. Y., \$15; W. G. H., of Pa., \$30; J. W., of Ct., \$25; J. R. G., of O., \$30; W. H., of O., \$25; J. W. R., of O., \$40; G. W. W., of N. Y., \$25; C. & S., of Pa., \$30; J. H., of Iowa, \$30; J. A. B., of Mich., \$35; J. C., of N. Y., \$10; J. A. S., of N. Y., \$20; J. C. D., of N. J., \$250; A. P. K. W., of Mass., \$30; G. W. B., of L. I., \$30; W. B. K., of N. H., \$25; J. H. W., of Mass., \$30; W. R. C., of Tenn., \$10; C. D. M., of N. Y., \$30; W. F. F., of Me., \$15; F. P., of Md., \$5; D. G., of Pa., \$25; H. W., of Wis., \$55; W. R., of N. Y., \$30; S. M., of N. H., \$10; J. E., of Mass., \$25; W. N. M., of Mass., \$25; R. V., of N. Y., \$25; J. A. S., of Pa., \$25; S. T., of Ind., \$30; J. H., of Pa., \$25; W. R. T., of O., \$30; A. C., of N. J., \$30; W. S. & Co., of N. Y., \$150; D. W. C., of Ct., \$30; R. G. R., of Ct., \$30; W. W. & Co., N. Y., \$205; B. & H., of Mass., \$30; W. B. & Co., R. I., \$15; B. O'R., of N. Y., \$20; B. R. E., of Me., \$20; W. P. C., of N. Y., \$50; W. J. S., of N. Y., \$45; T. C., of N. Y., \$27; S. & C., of Pa., \$30.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Sept. 8:—

- G. W. W., of N. Y.; J. W., of Ct.; S. P. B., of N. Y.; W. H., of O.; W. G. H., of Pa.; H. L., of Mass.; W. M., of N. Y.; A. L. F., of Ct.; D. G., of Pa.; B. R. E., of Me.; B. O'R., of N. Y.; W. B. K., of N. H.; F. P., of Md.; W. F. F., of Me.; W. P. C., of N. Y.; W. J. S., of N. Y.; W. N. M., of Mass.; J. H., of Pa.; T. C., of N. Y.; E. W., of N. Y.; J. A. S., of Pa.; A. M. B., of N. Y.

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IMPORTANT TO INVENTORS.

THE UNDERSIGNED having had Ten Years' practical experience in soliciting PATENTS in this and foreign countries, beg to give notice that they continue to offer their services to all who may desire to secure Patents at home or abroad.

Over three thousand Letters Patent have been issued, whose papers were prepared at this Office, and on an average fifteen, or one-third of all the Patents issued each week, are on cases which are prepared at our Agency. An able corps of Engineers, Examiners, Draughtsmen, and Specification writers are in constant employment, which renders us able to prepare applications on the shortest notice, while the experience of a long practice, and facilities which few others possess, we are able to give the most correct counsels to inventors in regard to the patentability of inventions placed before us for examination. Private consultations respecting the patentability of inventions are held free of charge, with inventors, at our office, from 9 A. M., until 4 P. M. Parties residing at a distance are informed that it is generally unnecessary for them to incur the expense of attending in person, as all the steps necessary to secure a patent can be arranged by letter. A rough sketch and description of the improvement should be first forwarded, which will enable us to give an opinion as to patentability, without charge. Models and fees can be sent with safety from any part of the country by express. In this respect New York is more accessible than any other city in our country. Circulars of information will be sent free of postage to any one wishing to learn the preliminary steps towards making an application.

In addition to the advantages which the long experience and great success of our firm in obtaining patents present to inventors, they are informed that all inventions patented through our establishment, are noticed, at the proper time, in the Scientific American. This paper is read by not less than 100,000 persons every week, and enjoys a very wide spread and substantial influence. The date of the patent obtained by Americans in foreign countries are secured through us, while it is well known that a very large proportion of all the patents applied for in the U. S., go through our agency.

MUNN & CO. American and Foreign Patent Attorneys, 128 Fulton street, New York; 32 Essex Street, London; 29 Boulevard St. Martin, Paris; 6 Rue D'Or Brussels.

INFORMATION IN REFERENCE TO THE mode of procuring patents for New Brunswick, or Nova Scotia, with a copy of the patent law of each Province, will be promptly forwarded by PETER STUBS, Patent Agent, Barrister, &c., Saint John, N. B., on receipt of \$1, Boston bill, post-paid. 12\*

BOILER PLATE PUNCHES.—Rust's Patent.—The Best Punch yet invented, is for sale by S. C. HILLS, 42 Platt street, N. Y. 14\*

TO INVENTORS OF HOUSEKEEPER'S Utensils.—Parties having a suitable article for winter use (in families), and wishing to dispose of the patent, can hear of a purchaser by addressing WILLIAM BURNETT, No. 19 Wall street, Post Office Box, No. 4532. 1\*

CAPITALIST WANTED.—Who will, for an equal share of the profits, pay for the patents for a valuable improvement in marine and stationary steam engines, address T. J. JOHNSTON, 8 Spring street, Lawrence, Mass. 13\*

TO ENGINEERS.—The advertiser is experienced in designing and constructing marine and stationary engines, and boilers of all kinds, and desires to obtain a situation as manager or draughtsman in an engine-works. No. 2 Milligan place, New York. 1\*

WROUGHT IRON PIPE, with screw connections, T's, L's, valves, &c. Leaded, Bolted, Flues, Galvanized Iron Tube and Fittings, manufactured and for sale by MORRIS, TASKER & MORRIS, Philadelphia. 13\*

EDWARD AND WILSON, dealers in Machinery, Machinists' Tools, Mechanics', and Manufacturers' Articles, and manufacturers of superior oak-tanned Leather Binding, 55 Beaver and 109 Pearl street, New York. 14\*

PATENT FOR SALE.—The undersigned desires to sell his patent Chuck for cutting barrel heads, to any person that will bring it in to notice. The whole or any part of territory will be sold low for cash. Bunker Hill, Ill. FRANKLIN FRUIT. 13\*

VALUABLE INVENTIONS.—I have made patentable improvements in Straw Cutters, Machine for Sawing Marble Tapering and Rakes to Harvesters; I will give one half of the same to any person who will secure them by patent. For particulars address AUGUSTUS FROST, Orono, Me. 14\*

OIL! OIL! OIL!—Engineers, Machinists and others can be furnished with Cumberland Bros. Patent Metallic Oil, from the original manufacturer, who, during nearly seven years' experience, has made important improvements in the Oil. Also Wood & Co.'s Transparent Machinery and Burning Oil (a substitute for sperm oil at nearly 50 per cent. less in price), for sale in quantities to suit purchasers. These oils are suitable for all kinds of machinery, and are particularly recommended for durability, freedom from gum, and saving of power. The improved articles are to be had only from the manufacturers. WEBB & CO., 134 Pearl st., N. Y. 12c\*

IMPORTANT TO ENGINEERS AND MACHINISTS.—NOTICE.—Those wishing to obtain the genuine articles of Metallic Oil and Grease, should send their orders direct to the manufacturer, AUGUSTUS YOCKNEY, Office 67 Exchange Place, New York. No Agents employed. 16m\*

EXHIBITION OF THE MARYLAND INSTITUTE, Baltimore.—The Eight Annual Exhibition by the Maryland Institute, for the promotion of the Mechanic Arts, will be opened on Tuesday, 2d of October next. Goods will be received for exhibition and competition at any time prior to September 27th, and for exhibition merely, as late as 1st of October. The co-operation of the manufacturers, mechanics, artists, and the community generally is respectfully invoked in the immediate preparation of articles for display. All articles deposited must be of American manufacture; the only exception to this rule being in favor of rare specimens in the department of the Fine Arts, owned by parties not holding them as merchandise on sale. Circulars, embodying the regulations and arrangements, and blank applications for space, with all other information may be had at any time of the Actuary of the Institute, at the Hall. JOSHUA VANSANT, Chairman of Exhibition Committee. 49 4t

WOODS' ROTARY PLANING MACHINE.—The Supreme Chief of the U. S., at the Term of 1853 and 1854, having decided that the patent granted to Nicholas G. Woods, of date Feb. 12, 1853, for a Rotary Planing Machine for Planing Boards and Planks is not an infringement of the Woodworth Patent. Rights to use the N. G. Woods' patented machine can be purchased on application to N. G. WOODS, 308 Broadway, New York. Office for sale of rights at 238 Broadway, New York, Boston, 27 State street, and Lowell, Mass. 42 6m\*

WROUGHT IRON PIPE.—Boiler Flues, Globe Valves, Cocks, Steam Gauges, Gauge Cocks, Oil Cups, and every variety of fittings and fixtures for steam, water, and gas, manufactured and sold by JAMES O. MURSE & CO., No. 79 John st., N. Y. 49 2\*

SAWS.—PATENT Tempered and Machine-Ground of all kinds; Circular Saws manufactured on these improved principles can be used thinner and with less set, and run faster than any hitherto made. All sizes warranted perfectly even in thickness and temper, and made of the very best material. HENSHAW & CLEMSON, 31 Exchange st., Boston. 49 7\*

SAFETY RAILROAD DRAWBRIDGES AND Self-Locking Switches, (Patented).—This invention will secure to the traveling community perfect safety while journeying on railroads. The apparatus is so arranged that simultaneously with the opening of a draw switch (on each side of the river) are unlocked and moved to connect with inclined sidings, and at the same time signals, attached to the switch bars are made to indicate that the draw is open. The self-locking switches can be used separately at any of the turn-outs of a railroad, and there by prevent the constantly recurring accidents occasioned by neglect of holding switch levers, as these switches bolt and unbolt themselves when moved by the draw of a bridge or the lever at a turn-out. For the purchase of rights under the patent or inspection of a model, apply to J. K. GAMBLE & BROTHER, No. 5 Margaretta st., near Front, Philadelphia. 49 4\*

VENTILATION.—The undersigned has devised and patented the only system by which a spontaneous ventilation can be effectually carried out in buildings, vessels, railroad cars, &c., and will sell to parties desirous of purchasing of the same at a reasonable price. Address H. RUTTAN, Coburg Canada. 49 13\*

STAFFORD'S HALF HUNDRED RECEIPTS.—All new and many invaluable to Inventors or Mechanics. This pamphlet will be sent free of postage, on receipt of 6 cents or two letter stamps, by J. R. STAFFORD, Practical Chemist, No. 22 and 24 New street, N. York. 50 4\*

TWO MILLERS.—SMUT AND GRAIN SEPARATORS.—Patented Oct. 24, 1854. Warranted superior to any machine for the same purpose in the United States, embracing an entire new feature not before used in any Smut Machine. Machines sold on trial and fully guaranteed (references expected). Orders solicited. Manufactured and for sale by the inventor, at Uhrichville, Tuscaroras Co., Ohio. JOHN D. BEDWELL. 51 3\*

NOTICE.—LUMBER DEALERS, FARMERS, and others.—A. L. ARCHAMBAULT'S Portable Steam Engines, for driving portable, circular, and up-and-down Saw Mills, Thrashing Machines, &c. Also for loading and discharging cargoes, pile driving, raising materials for Bridges, Buildings, &c. Engines always on hand, for sale. They are moved on an iron road, without removing any part of the machinery. Magazine 15th street, above Willow, Philadelphia. P. S. These Engines have been in use since 1849, and have given general satisfaction. 51 4\*

MECHANICS ATTEND.—The Mechanics and inventors of Louisville and vicinity are informed that subscriptions to the Scientific American are received at the Hall of the Kentucky Mechanics Institute, Louisville. M. M. GREEN, Sec'y. 51 4\*

WELCH & GRIFFITHS' SAWS.—PATENT Ground.—Having purchased from Mr. Wm. Southwell his patent right for grinding circular and other Saws, for which we have paid him a large sum, and we are the sole proprietors of this patent. We will reward any person giving information of infringements on the same. This is the only machine ever invented that will grind a saw perfectly even in thickness. They will require less set, will not heat while running, will saw smooth, save lumber, and keep an edge longer than another saw made, and are not liable to become untrue. All our Saws are made from an extra quality of cast steel, imported expressly for our own use, at much higher cost than generally used for saws. We respectfully inform all manufacturers of lumber, that no saw will be sent from this establishment but what is of superior steel and workmanship; the temper will be found more even and uniform than any saw in use. Orders received at our Warehouse, 62 Congress st., Boston. WELCH & GRIFFITHS. 51 6\*

BRICK MACHINE, STEAM ENGINE, &c., for Sale.—One of F. H. Smith's recently improved patent Brick Machines and Pulverizer, capable of making 20,000 bricks per day. Also one six horse power Steam Engine, upright Tubular Boiler, and gearing complete, made by Foot & Hunt,—all new and in perfect order, having been used for making only about 500,000 bricks, would be sold very low, either together or separately, the present owner being about to relinquish the business, would also sell or lease the yard, with a good supply of clay and sand, kilns, sheds, and all the requisite tools. Address JAMES C. ADAMS, Baltimore, Md. 51 3\*

A. BELY, Counselor at Law, 52 Washington street, Boston, will give particular attention to Patent Cases. Refers to Messrs. Munn & Co., Scientific American. 10 1y\*

VAIL'S CELEBRATED PORTABLE STEAM Engines and Saw Mills, Bogardus' Horsepower, Smut Machines, Saw and Grist Mill Irons and Gearing, Saw Gummers, Ratchet Drills, &c. Orders for light and heavy forging and castings executed with dispatch. 8 1y\* LOGAN VAIL & CO., 9 Gold st., N. Y.

1855.—WOODWORTH'S PATENT Planing, Tonguing and Grooving Machines.—The subscriber is constantly manufacturing, and has now for sale the largest and best assortment of these unrivalled machines to be found in the United States. Prices from \$35 to \$1400. Rights for sale in all the unoccupied Towns in New York and Northern Pennsylvania, JOHN GIBSON, Planing Mills, Albany, N. Y. 43 10\*

GRAIN MILLS.—EDWARD HARRISON, of New Haven, Conn., has on hand for sale, and is constantly manufacturing to order, a great variety of his approved Flour and Grain Mills, including Boiling Machinery, Elevators, complete with Mills ready for use. Orders addressed as above to the patentee, who is the exclusive manufacturer, will be supplied with the latest improvements. Care to be taken to applications, and all mills warranted to give satisfaction. 43 1t

POWER PLANERS.—Persons wanting Iron Planers of superior workmanship, and that always give satisfaction, are recommended to the New Haven Manufacturing Company, New Haven, Conn. 40 1t

LATHES, PLANERS, and all kinds of Machinists' Tools of the best description on hand and made to order by SHRYVER & BROS., Cumberland, Md., (on Baltimore and Ohio R. R., midway between Baltimore and the Ohio River.) 43 1t

ANDREWS & JESUP—Commission Merchants, Cotton and Woven Machinery, Steam Engines, Machinists' Tools, Belting, &c. Importers and Dealers in Manufacturers' Articles, No. 67 Pine street, N. Y. 23 1y

NEW HAVEN MFG. CO.—Machinists' Tools, Iron Planers, Engines and Hand Lathes, Drills, Bolt Cutters, Gear Cutters, &c., on hand and finishing. These Tools are of superior quality, and are for sale low for cash or approved paper. For cuts giving full description and prices, address, "New Haven Manufacturing Co." New Haven, Conn. 40 1t

HARRISON'S GRAIN MILLS.—Latest Patent.—\$1000 reward offered by the patentee for their equal. A supply constantly on hand. Liberal Commissions paid to agents. For further information address New Haven Manufacturing Co., New Haven, Conn., or to S. C. HILLS, our agent, 42 Platt street, New York. 13 1t

THE EUROPEAN MINING JOURNAL, RAILWAY and Commercial Gazette. A weekly newspaper, forming a complete history of the Commercial and Scientific Progress of Mines and Railways, and a carefully compiled Synopsis, with numerous Illustrations, of all new Inventions and Improvements in Mechanical and Civil Engineering. Office 25 Fleet street, London. Price 6s. 6d per annum. 36 1t