

TO CORRESPONDENTS.

A. J. M., of Ala.—We have paid no attention to the cultivation of the cranberry. Your inquiry is better suited to an agricultural journal: we presume the Editor of the American Agriculturist, of this city, would very gladly refer you to the proper source of information upon this subject.

T. V., of Cal.—We do not know whether Mr. M. intends to patent his apparatus or not. He has now no patent on it. We are not acquainted with "Drake's Patent." Mr. M.'s works very well; the only objection is the unsteady or trembling motion of the flame.

W. G., of Ohio—Letters Patent were granted, in 1851, to J. Ball for his alleged improvement in eye-cups. You must consult some lawyer as to legal proceedings against the vendor of these cups; we have no knowledge of their effects upon the eye.

H. R. D., of Ind.—There is no great difficulty in building chimneys and setting fire places, to prevent smoking. Let the chimney be built with smooth joints, and plastered smoothly all the way up inside, and there will be little danger of its smoking. There is an article in Ure's Dictionary of Arts and Manufactures on the subject. It is sold by Appleton in this city.

G. W. C., of Mich.—Japaned ware is merely varnished tin or sheet iron; the varnish is put on with a brush, and colored, as desired, then baked in an oven. Two or three coats are put on and dried, one after another.

H. R. G., of Wis.—We do not know where you can obtain a work, such as you want for making the patterns of cog wheels.

B. A., of Wayne Co., Pa.—We think the mode of baking is new; its advantages can only be determined by experiment. You must satisfy yourself on this head; if found to be useful, we believe a patent can be obtained.

C. R., of N. Y.—The Brevet d'Invention is a monthly mechanical publication, printed in Paris, and the invention alluded to is public property, no patent having been taken in this country.

W. B. G., of —We have no doubt but you can obtain a cylinder six inches in diameter to stand a pressure of two hundred tons; it will require a pressure of two hundred and fifty pounds to thus urearch with a velocity of one hundred and thirty feet per second.

E. T., of O.—You have seen the Benzole apparatus in our columns; consult Mr. Mace, by letter. We are not practically acquainted with Aubin's Generator. It cannot, we believe, be cheaper than coal gas. We do not know whom to refer you, for making small gas apparatus for your Institute. The best plan for you to heat by steam, is to convey the steam in pipes through the rooms. You must take care to allow for a return of the condensed water.

J. B. F., of Mass.—We thank you for your excellent and beautiful work on Hydraulic Experiments. We have only had time to glance over it; we will examine it more thoroughly and give it the notice it appears to deserve so justly.

V. C., of Me.—We do not think it possible for you to obtain a patent on the combination described. We would not if we could, for there is no earthly advantage in it. The plan in present use is more simple, convenient, and effective.

J. W. L., of R. I.—Yours will receive attention next week.

J. T., of Ky.—You can have no better evidence of the defect in pitch of your saw, than its inability to clear itself. If your sawyer says it has pitch enough, then he should be able to tell why it does not clear itself. Practice is the true guide for the working of every saw.

J. H. S., of Pa.—If you get Bourne's Catechism of the steam engine, you will obtain all the information you want about the weight of fly wheels; also the amount of grate surface in proportion to the heating surface of the boiler. We refer you to this source because it would occupy too much space to enter into details.

Coal Gas Apparatus—E. Taylor, of College Hill, Ohio, wishes to know where he can obtain the best coal gas apparatus for making gas, for a large institution consisting of seven buildings.

F. M. P., of Geo.—We think the oil advertised by Mr. Pease, of Buffalo, N. Y., would well answer your purpose. We do not know of anything any better.

M. P., of Mich.—Coal burning locomotives are in successful operation. Dimpfel's patent is in use, and we believe Mulholland, of Reading, Pa., has some in use which he secured to him by patent. It is an important object to be gained in locomotion, as wood is becoming scarce and high.

J. P. G., of Ohio—We are not able to tell you the salaries paid to the different marine engineers. Upon the Collins line the first engineer gets about \$1800 per annum.

I. H., of Iowa—Machines for pressing brick from the dry or common earth, are in successful use, we believe, in some parts of our country. The special objection to them we have not heard.

J. P. S., of N. Y.—Your engine is new to us, but it certainly will gain nothing in power over an engine with a fixed cylinder. In doubling the effective length of stroke of piston, you use just double the quantity of steam.

C. M., of Pa.—We cannot do anything with your case until the model is received.

R. L., of N. Y.—We have been informed that rosin oil is cheaper than any other, and that it gives an excellent light, but we cannot speak of it from personal knowledge.

J. C., of Vt.—You cannot make an application for a patent for an improvement made by one of your workmen. The inventor must make the application.

E. T. Jr., of Va.—We cannot say what effect your device will have for propelling balloons, but we are of the opinion that it would be a waste of time and money to undertake to render it available.

C. C., of Ct.—You can get the machinery you want made at Birmingham, Ct., by addressing Sheldon Bassett, at that place. He is agent for a very responsible Company, who make all kinds of machinery and castings to order.

S. D., of Me.—We do not use engineers scales in our drawing department. We use scales of inch size, half inch, quarter, eighth, twelfth, etc.

Money received at the Scientific American on account of Patent Office business for the week ending Saturday, March 31:—

- A. W. F., of Pa., \$10; W. & W. F. B., of Mass., \$30; U. C. L., Jr., of Mass., \$30; E. D., of N. Y., \$30; C. & H., of N. Y., \$35; J. A. R., of Mass., \$20; T. McC., of Ala., \$30; J. S., of Ill., \$10; P. B., of Ct., \$20; E. F., of Ct., \$300; L. & T., of Pa., \$30; N. E. G., of Miss., \$25; G. B. S., of Ct., \$25; J. A. R., of N. Y., \$25; S. & A., of N. Y., \$25; A. L., of Pa., \$25; J. Y. S., of Pa., \$25; T. R. D., of N. Y., \$20; L. Y., of N. Y., \$50; J. S. M., of N. Y., \$55; E. D. C., of N. Y., \$30; G. R., of Mass., \$50; A. S., of Pa., \$25; E. W. G., of Mass., \$60; W. A., of Ky., \$25; W. S. F., of N. Y., \$20; N. W., of Ala., \$30; J. B. D., of Mass., \$30; J. W. H., of R. I., \$100; L. L., of Mass., \$20; P. L.

- S., of Ind., \$10; C. R. R., of N. Y., \$30; P. S., of N. Y., \$20; W. M., of N. Y., \$10; J. D. B., of N. Y., \$27; S. & R., of Vt., \$25; W. P. A., of N. Y., \$5; J. H. K., of N. Y., \$30; J. W., of N. Y., \$25; T. S., of N. J., \$25; I. F. W., of N. Y., \$25; K. K., of N. Y., \$25; J. S., of N. Y., \$25.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, March 31:

- J. S., of Mass.; J. & W. L., of Ind.; G. A. M., of N. Y.; P. B., of Ct.; R. H. G., of N. Y.; C. W. F., of Ct.; J. Y. S., of Pa.; J. H. T., of N. J.; J. W., of N. Y.; J. W., of Me.; A. L., of Pa.; G. B. S., of Ct.; N. E. G., of Miss.; L. & T., of Pa.; J. S., of N. Y.; T. S., of N. J.; S. & A., of N. Y.; I. F. W., of N. Y.; S. M., of Ill.; W. A., of Ky.; G. R., of Mass. (2 cases); A. S., of Pa.; L. L., of Mass.; K. K., of N. Y.; W. P. A., of N. Y.; J. H. K., of N. Y.; J. S., of N. Y.; T. D. B., of N. Y.; S. & R., of Vt.

Important Items.

PATENT LAWS, AND GUIDE TO INVENTORS.—Congress having adjourned without enacting any new laws pertaining to applications for patents, we have issued a new edition of the old laws, which may be had at our counter or sent by mail. This pamphlet contains not only the laws but all information touching the rules and regulations of the Patent Office Price 12 1/2 cents per copy.

BACK NUMBERS AND VOLUMES.—We have the following numbers and volumes of the SCIENTIFIC AMERICAN, which we can supply at the annexed prices:—Of Volume 5, forty numbers; price in sheets, \$1; bound, \$1.75. Of Volume 6, all; price in sheets, \$2; bound, \$2.75. Of Volume 7, all; price in sheets, \$2; bound, \$2.75. Of Volume 8, none complete, but about 30 numbers in sheets, which will be sold at 50 cents per set. Of Volume 9, complete in sheets, \$2; bound, \$2.75. Of Vol. 10, all the back numbers, at the subscription price.

PATENT CLAIMS.—Persons desiring the claim 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 \$1 for fees for copying.

Terms of Advertisements.

Table with 2 columns: Lines for each insertion, Price. 4 lines, \$1.00; 8 lines, 2.00; 12 lines, 3.00; 16 lines, 4.00.

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.

American and Foreign Patent Agency.

IMPORTANT TO INVENTORS.—MESSRS. MUNN & CO., 122 Fulton street, New York, Publishers and Proprietors of the SCIENTIFIC AMERICAN, having for many years been extensively engaged in procuring Letters Patents for new mechanical and chemical inventions, offer their services upon the most reasonable terms. Patents promptly secured in the United States, Great Britain, France, Belgium, Holland, Austria, Russia, Spain, and in all countries where they are granted. All business entrusted to their charge is strictly confidential. Private consultations respecting the patentability of inventions are held free of charge, with inventors, at their office, from 9 A. M. until 4 P. M. Parties retaining a patent secured in the United States, 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. Parties intrusting their business in our hands can rely upon prompt and faithful attention. Most of the patents 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. The offices of Messrs. Munn & Co.'s American and Foreign Patent Agency are at 122 Fulton Street, New York; London, No. 32 Essex St., Strand; Paris, No. 26 Boulevard St. Martin; Brussels, No. 6 Rue D'Or.

STEAM ENGINES FOR SALE.—Very cheap—One 30 two 10, one 8, and two 5 horse power; also two Resilting Saw Mills. J. C. PORTER, 29th street and 11th avenue, N. Y.

GLASS WORKS FOR SALE OR TO LET.—Will answer for other factory purposes. Apply to W. F. LEE, 49 Exchange Place.

MACHINE GROUND CIRCULAR SAWS.—(Patent applied for.) Mill men would do well to try these saws, they are perfectly free from thin or thick places, can be used thinner and with less set, and run faster than any other hitherto made. All diameters and thicknesses warranted perfectly true. HENSHAW & CO., 31 Exchange street, Boston.

WELLS & CO.'S MACHINE WORKS.—Circular Saw Mills (Child's Patent) constantly on hand; Double Mills, No. 1 to 10, with 40 and 24 inch to 54 and 48 inch Saws. Single Mills ditto, with 36 inch to 72 inch Saw. We have abundant testimony of the superiority of these mills over any other machinery in this country for making all kinds of (hard or soft) lumber, especially the Double Mill, for cutting logs of all sizes, which we can furnish, say No. 4 with 48 and 30 inch Saws, complete, at less than the price of a 72 inch Saw, and a great saving in lumber and power is effected thereby. Mills shipped to order warranted to give satisfaction, and the right guaranteed to use the same in any part of the country.

CAUTION AGAINST INFRINGEMENTS.—The public are hereby cautioned against purchasing Mills (double or single) which they will not be permitted to use without paying extra for the right. H. WELLS & CO., 28 2eow* Hampshire Co., Mass.

JOHN STOKELL, Jr.—No. 26 Platt st. New York, Manufacturer and Regulator for railroad companies, watchmakers, and others; clocks or churches and public buildings of any kind. Models of machines and light machinery in general. 21 6eow*

ENGINEERING.—The undersigned is prepared to furnish specifications, estimates, plans in general detail of steamships, steamboats, propellers, high and low pressure engines, boilers and machinery of every description. Broker in steam vessels, machinery, boilers, &c. General Agent for Ashcroft's Steam and Vacuum Gauges, Allen & Noyes' Metallic Self-adjusting Conical Packing, Faber's Water Gauge, Sewell's Salmometer, Dudgeon's Hydraulic Lifting Press, Koebing's Patent Wire Rope for hoisting and steering purposes, &c. CHARLES W. COPELAND, Consulting Engineer, 64 Broadway 14 12eow

UNITED STATES PATENT OFFICE.

Washington, March 5, 1855. ON THE PETITION of James Brett, of Matteawan, New York, praying for the extension of a patent granted to him on the 10th July, 1841, for an improvement Key Wrenches, for seven years from the expiration of said patent, which takes place on the 10th day of July, 1855.—

It is ordered that the said petition be heard at the Patent Office, on Monday, the 25th of June next, at 12 o'clock, M.; and all persons are notified to appear and show cause, if any they have, why said petition ought not to be granted.

Persons opposing the extension are required to file in the Patent Office their objections, specially set forth in writing, at least twenty days before the day of hearing; all testimony filed by either party to be used at the said hearing must be taken and transmitted in accordance with the rules of the office, which will be furnished on application.

The testimony in the case will be closed on the 15th of June; depositions, and other papers relied upon as testimony, must be filed in the office on or before the morning of that day; the arguments, if any, within ten days thereafter.

Ordered, also, that this notice be published in the Union, Intelligencer, and Evening Star, Washington, D. C.; Pennsylvania, Philadelphia, Pa.; Scientific American, New York, and Post, Boston, Mass., once a week for three successive weeks previous to the 25th day of June next, the day of hearing.

CHARLES MASON, Commissioner of Patents. P. S.—Editors of the above papers will please copy and send their bills to the Patent Office, with a paper containing this notice. 29 3

OPTICAL MATHEMATICAL, Mathematical, and Philosophical Instruments.—Our Pamphlet Catalogue, with prices annexed, containing numerous articles of the highest quality, is furnished gratis on application, and sent by mail, free of charge, to all parts of the United States and Canada. M'CALLISTER & BRO., 294 Optician, 194 Chestnut street, Philadelphia.

1855—D. W. WHITING, Forwarding and Commission Merchant, Buffalo, N. Y.—Particular attention given to manufacturers' goods and wares, and shipped at the lowest rates by any line, as directed. Mark plainly, "care D. W. WHITING, Buffalo, N. Y." 29 4

TO HOT AIR FURNACE MANUFACTURERS.—The Committee of the Mechanics Institute, Montreal, will receive tenders for the construction of a furnace for warming the new Mechanics' Hall in that place. The dimensions are 34 feet long, by 6 feet wide, and two stories, thirty-four feet in height. The person who may be selected will be required to guarantee the efficient working of his apparatus. Address HENRY LYMAN, Montreal, C.E. 29 4

SHIPS' BLOCKS—Platt's Patent, May 18, 1852, a much admired and durable block. For sale by C. H. Platt, 46 West st., New York City. 29 4

STEAM ENGINES—1 Horizontal, 15x36 inch cylinders, 2 ditto 15x36; 1 ditto 9x30, made by the Matteawan Co., in the superior manner for sale at Bearseley's carriage shop, 76 Thirty-seventh st., N. Y., or A. S. ACKERMAN, Matteawan, N. Y. 29 4

JAMES O. MORSE & CO., 79 John street, New York, dealers in all descriptions of pipes for steam, gas, and water, and manufacturers of every variety of fittings for the same, together with improved valves, cocks, oil cups, whistles, &c., steam pumps, gauges, boilers, and boiler fires. Building warmed by steam or hot water, gas apparatus for towns, factories, and private dwellings. 29 4

THE GREAT PARIS EXHIBITION, 1855.—MESSRS. GARDAISSAL & CO., No. 44 Rue de Marais in Paris, have the pleasure to announce to the manufacturers and artisans of the United States that they have opened an office at the above named place, for the purpose of taking charge of goods and machinery, and superintending all requisite details for the Great French Exhibition, effecting sales of goods, machinery, patents, &c. They will also attend personally to the purchase of any articles of French manufacture, upon such terms as will meet the favor of all. Patentees who desire to sell their French patents, can consult with Messrs. Gardaisal & Co., and employ their agency for that purpose. They would also state, that it will be of the utmost importance to American exhibitors that their articles should be carefully attended to, and their advantages explained to the public. This will conduce to their success, and tend very much towards sustaining the well-earned reputation of American genius for useful and practical inventions. Messrs. Gardaisal & Co. refer by permission to Messrs. Munn & Co., Scientific American Office, New York, S. H. Wales Esq., New York State Commissioner to the French Exhibition.

STATIONARY STEAM ENGINES.—The subscribers are now prepared to furnish, on short notice, Horizontal Engines, on iron bed frames, strong and substantial, plain or highly finished, from 6 to 100 horse power, with or without pumps, boilers, &c., warranted to give satisfaction. Also shafting and mill work of all kinds, and the various sizes (double and single) of Wells & Co.'s patent circular saw mills. Sash and blind machinery made to order. W. E. HAYES & CO., Northampton, Hampshire Co., Mass. 28 4

ANDREWS & JESUP—Commission Merchants, Cotton and Woven Machinery, Steam Engines, Machinists' Tools, Bellows, &c., Importers and Dealers in Manufacturer's Articles, No. 67 West st., N. Y. 23 19

IMPROVED PORTABLE CIRCULAR Saw-mills, Manufactured by W. HERRICK, near the Depot, Northampton, Mass. N. B. Saw Mills, Saws, improved Saw-sets and Upsets furnished and warranted. Orders filed for any part of the United States. 27 10

SMITH'S WATER-TUBES.—Prosser's Patent. These Tubes are made of wrought-iron, and are warranted not to crack by the most intense heat. Also Water-backs and Tables, for kitchen ranges, hotels, and restaurants, &c., requiring a constant supply of hot water. THOS. PROSSER & SON, 28 Platt st., New York. 27 11

HALL & SON'S FIRE BRICK WORKS, Perth Amboy New Jersey.—A large stock of the best No. 1 Fire Brick constantly on hand. Vessels of any draft, can load at any stage of the tide and season of the year. Orders promptly executed. 27 4

OIL! OIL! OIL!—For railroads, steamers, and for machinery and burning—Pease's Improved Machinery and Burning Oil will save fifty per cent., and will not gum. This oil possesses qualities vitally essential for lubricating and burning, and is found in no other form. It is offered to the public upon the most reliable, thorough, and practical test. Our most skillful engineers and machinists pronounce it superior and cheaper than any other, and the only oil that is in all cases reliable and will not gum. The Scientific American, after several tests, pronounced it superior to any other they have ever used for machinery. For sale only by the inventor and manufacturer. F. S. PEASE, 61 Main st., Buffalo, N. Y. N. B.—Reliable orders filed for any part of the United States and Europe. 19 eowtf

STATIONARY STEAM ENGINES FOR SALE.—Horizontal Engines with iron bed frames and Judson's Patent Valves, good, strong, substantial, plain finished, that will do good service, say from 4 horse power, \$215, to 30 horse, \$1,037. Pumps, Boilers, and fixtures can also be supplied when needed. Address, 28eowtf — S. C. HILLS, 12 Platt st., New York.

MANUFACTURERS and Business Men generally, will find the COMMERCIAL REGISTER a most valuable Paper. It is a Monthly Journal of the largest kind, each number contains reading matter equal to a volume of over 300 pages. The Merchant and Manufacturer, the Mechanic, Farmer, and every class of Tradesmen, will find it an invaluable Repository of a great amount and variety of information and entertaining items, more than has ever before been brought into a single publication. Subscription price, for one copy, one year, 50 cts., three copies, \$1. Specimen copies, containing a list of splendid Premiums, (for single subscriptions and clubs,) varying in value from 25 cts. to \$5, will be forwarded free by addressing, post paid, F. WOODS & CO., Publishers, 16 Beekman street, New York. 25 5

STAVE DRESSER AND JOINER.—For tight work decidedly the best and cheapest in use. Machines can be seen in operation at SHAW & KIBBES, Shook Manufactory, Buffalo, N. Y., and models may be seen at the office of the agent, JAMES S. POLHEMUS, 117 Pearl street, New York, to whom, or to the patentees, H. & L. B. BENSON, Jackson Square, Pa., any communications may be addressed. 27 13

1855 WOODWORKING 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 \$55 to \$145. Rights for sale in all the unoccupied Towns in New York and Northern Pennsylvania, JOHN GIBSON, Planing Mills, Albany, N. Y. 29 9

JOHN PARSLEY—Nos. 5 and 7 Howard street, New Haven, Conn., is now ready to furnish at short notice, Engine Lathes for shafting of 23 inches swing, 16, 18, and 20 feet beds, 12 1/2, 14 1/2, and 16 1/2 feet between centers; also Engine Lathes of 38 inch swing 14, 17, 20 and 25 feet beds, and 8, 12, 15, and 20 feet between centers. Circulars, with full particulars, and information can be had by addressing as above, post paid. 28 11

TURBINE WATER WHEELS.—The Ames Manufacturing Company, Chicopee, Mass.—After a series of experiments for several years, and the adoption of all the modern improvements, including the patents of Uriah A. Boyden, have succeeded in perfecting the Turbine Water Wheel so that they can confidently offer to the public the best Wheel now in use, particularly where great economy of water may be desirable. These Wheels have been adopted in many of our large cotton factories and iron works where large quantities of water is necessary, and we are confident they will give satisfaction to any who may wish to avail themselves of the full benefit of their water power. Cotton machinery of all kinds, shafting and machinists tools, also furnished on reasonable terms, by Ames Manufacturing Co., Chicopee, Mass. Any information will be furnished on application to JAMES T. AMES, Agent. 24 8

THE NEW YORK DAILY SUN Read by upwards of Two Hundred Thousand persons daily, and the best advertising medium in the city, is mailed to Country Subscribers at \$4 per year, or \$1 per copy, payable in advance. Postage in the State, 75 cents per year; out of the State \$1.50 per year, payable in advance. MOSES S. BEACH, Publisher, Corner of Nassau and Fulton streets, N. Y. 25

TECHNICAL DICTIONARY.—In the English, French, and German Languages; by Messrs. Tolhausen and Gardaisal Civil Engineers, (Italy's first part) French, English, German, price \$1.31; (second part) English, French, German, price \$1.50. These volumes are designed for the general use of Engineers, Artists, Manufacturers, Foremen, Artisans, in short, of all those who, in some way or other are concerned in Arts and Manufactures. The present work is the key through which the foreign reader may penetrate into a language which he may know but imperfectly; it is the instantaneous translator of the corresponding technical term, or its equivalent, in the three great industrial languages. For sale at this office.

WEALTHY CITIZENS OF NEW YORK.—The Twelfth Edition of "The Wealth and Biography of the Wealthy Citizens of the City of New York," is now for sale at the Sun Office, corner of Fulton and Nassau streets; price 25 cents. It is a handsome book of 80 pages, containing the names of more than 1400 persons estimated to be worth \$100,000 or upwards, and also interesting biographical sketches in which the origin and mode of accumulating some 500 of these large fortunes is traced. 25

FOR SALE.—A complete set of the Scientific American (minus Vol. 1 only) in good condition neatly bound, may be had at this office. This is the only set that has been offered for sale for many months. The set is comprised of eight volumes.

THE NEW YORK WEEKLY SUN is now sent to subscribers at the following very low rates, payable in advance:—One copy, 3 months, 25 cents; 6 mos., 50 cts.; 1 year, 75 cts.; 6 months, \$1; 3 copies, 1 year, \$2; 8 copies \$5; 12 copies, \$8; 25 copies, \$15. The postage within the State is only 13 cents a year—out of the State 25 cents a year. No traveling agents are employed. Specimen copies sent gratis. All letters should be post paid and directed to MOSES S. BEACH, Sun Office, New York. 25

NEW HAVEN MANUFACTURING COMPANY Machinists' Tools. 65 Iron Planers of all sizes; 350 Engine and Hand Lathes, all sizes; 50 Upright and Horizontal Drills; 25 Bolt Cutters; 10 Gear Cutters; all kinds and sizes of Chucks, Slide Rests, Hand Drills, &c. These tools are of superior quality, and as they are built by the company, can be repaired and will stand at low rates. For cuts giving full description and prices, address New Haven Manufacturing Co., New Haven, Conn. 21 11

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, 12 Platt Street, New York, 13 11

STAVE AND BARREL MACHINERY.—Hutchinson's Patent. This machinery which received the highest award at the Crystal Palace, is now in daily operation there. Staves, headings, &c., prepared by it are worth to the cooper 20 to 40 per cent. more than when finished in any other way. Special attention is invited to the improved Stave Joiner. Apply to C. B. HUTCHINSON & CO., Crystal Palace, or Auburn, N. Y. 18 11

NORCROSS ROTARY PLANING MACHINE.—The Supreme Court of the U. S., at the Term of 1853 and 1854, having decided that the patent granted to Nicholas G. Norcross, of date Feb. 12, 1850, for a Rotary Planing Machine for Planing Boards and Planks, is not an infringement of the Woodworth Patent. Rights to use N. G. Norcross's patented machine can be purchased on application to N. G. NORCROSS, 208 Broadway, New York. Office for sale of rights at 208 Broadway, New York; Boston, 27 State street, and Lowell, Mass. 16 6m*

A. B. ELY, Counselor at Law, 52 Washington st., Boston, will give judicial attention to Patent Cases. Refers to Messrs. Munn & Co., Scientific American. 16 17*

VAIL'S CELEBRATED PORTABLE STEAM Engines and Saw Mills, Bogardus' Horsepowers, Smut Machines, Saw and Grist Mill Irons and a Gearing, Saw Gummers, Ratchet Drills, &c. Orders for light and heavy forging and castings executed with dispatch. 8 17* LOGAN VAIL & CO., 9 Gold st., N. Y.

WIRE ROPE OF IRON AND COPPER.—For Mines, Inclined Planes, Hoisting and Steering purposes, Stays or Braces, &c., much safer and far more durable than the best made of any rope. Also for Sash Weights, Ditch Walkers, Lightning Conductors, &c. CHARLES W. COPELAND, No. 64 Broadway. 14 eowtf