

TO CORRESPONDENTS.

H. Francis, of Richmond, C. W.—The spirit of your criticism on our "vulgar" method of spelling words ending in "re," etc., is evidently in bad taste. You refer us to Webster, an authority we are quite ready to accept...

J. N. R., of Pa.—The only way to satisfy yourself regarding your proposed method of improving the manufacture of iron and steel is by experiment. The least change in any chemical process produces a new result.

R. Sanerhering, Mayville, Wis., wishes to purchase a machine for turning spokes.

E. S., of Ill.—If Mr. W. claims a patent for that which is not new, he cannot sustain it, even if the office ignorant issue a patent for it.

A. A. K., of Tenn.—Scott's Cotton Spinner is published by H. C. Baird, Philadelphia. It will give you the information desired. There is a chapter in it devoted to weaving.

Merritt & Cruickshank, of Pittston, Pa., wish to purchase cultivator teeth.

A. S. P., of Mich.—We do not know the cost of a set of works on Phrenology. You had better address your inquiries to Messrs. Fowlers & Wells, of this city. They publish all the works that are issued here upon this subject.

A. M., of Canada.—We cannot inform you as to the brick machine.

E. C., of Conn.—Consult some elementary work on mechanics, and inform yourself as to the toggle joint motion, &c. Baker's Elements of Mechanism, \$1, published by Putnam & Co., N. Y., is as good as any.

W. P. H., of Va.—All builders of free-action water wheels assert that more water will pass through some wheels while running than when standing, and an article on this subject, published in Vol. 7, Ser. Am., page 212, shows the course of the water through a wheel. We yet expect some scientific millwright will elucidate the question clearly.

I. S. D., of N. H.—If the floor of the shop in which the forge is placed is of earth, stone, or metal, it is fire-proof already, and you do not require a fire-proof cement for it. If it is in an upper room with a wooden floor, the cheapest plan for you to pursue is to coat it with Blake's or the Bridgewater fire-proof paint. You can purchase these at all the paint stores in this city, and no doubt can have them sent to you. Directions will be given with the paint how to apply it.

C & M., of N. Y.—Such a propeller for a balloon as you describe is new, but not being very useful it is doubtful if a patent could be obtained. The gunpowder engine could not be patented. We advise you not to spend time nor money on them.

J. & W. C., of Ky.—There are no meters manufactured in this city that would measure your oil as it flows from the retorts. Rotary water meters are made in Boston to measure the city water, but we do not think they would answer your purpose.

J. W. M. W., of Phila.—We do not know the process pursued by any party for bleaching gutta serena, but if kept for some time in a covered vessel containing a warm and clear solution of the chlorate of lime, we believe gutta serena will be bleached like a piece of cotton cloth.

E. M. & Sons, of Mass.—For burning shavings we would prefer to have the hot gases and flame pass three times round the boiler; but for burning coal we would prefer to split the draft and use a double return draft only.

Sarah Lee, of West Bloomfield, N. Y., wishes to purchase a machine for knitting stock nags. Something not expensive, that will do up the work like a charm. Who can supply the wants of this enterprising woman, in her laudable desire to clothe the "understandings" of humanity?

Money received at the Scientific American Office on account of Patent Office business for the week ending Saturday, May 24, 1856.—

- J. R. M., of O., \$24; A. D. B., of Ga., \$25; G. S. K., of O., \$53; O. V. D. R., of Ill., \$25; G. A., of Pa., \$30; H. G., of N. Y., \$30; S. B., of Mich., \$30; J. C. H., of N. Y., \$25; T. S., of Iowa, \$30; F. & W., of Conn., \$30; R. W., of Conn., \$30; D. R., of Pa., \$55; F. E., of Pa., \$25; V. R. S., of N. Y., \$25; J. H. S., of Ky., \$25; E. & A. S., of N. Y., \$30; J. B., of Ill., \$10; J. D., of O., \$30; D. D., of Mass., \$30; B. & P., of Ind., \$35; W. C., of Pa., \$30; C. & T., of Wis., \$35; R. G., of N. Y., \$25; J. De S., of N. Y., \$25; W. B. & Co., of R. I., \$25; J. M., of Pa., \$100; G. H. B., of N. Y., \$30; T. C., Jr., of L. I., \$25; R. C., of Mich., \$10; M. & P., of Ky., \$9; J. R., of Pa., \$60; W. & St. J., of N. Y., \$30; J. L., of N. Y., \$30; R. U., of Mich., \$10; J. C. of Pa., \$30; O. D., of Md., \$5; W. & D., of Ky., \$25; J. R., of N. J., \$30; J. E. R., of L. I., \$20; W. S., of Mass., \$25; J. G. B., of N. Y., \$35; H. B., of London, \$333; H. & C. P., of Tenn., \$25; W. K. P., of Mass., \$25; H. H. C., of Pa., \$30; E. G. S., of N. Y., \$30; H. I. E., of N. H., \$30; G. C. E., of N. Y., \$25; S. B., of N. Y., \$25; J. H. W., 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, May 24—

- J. C. H., of N. Y.; A. D. B., of Ga.; J. M., Jr., of N. Y.; H. B. C., of N. Y.; O. V. D. R., of Ill.; G. S. K., of O.; (2 cases); J. A. S., of Ky.; F. E., of Pa.; G. C. E., of N. Y.; S. B., of N. Y.; E. A. B., of Mass.; V. R. S., of N. Y.; D. B., of N. Y.; O. D., of Md.; W. B. & Co., of R. I.; J. C., of Pa.; C. & F., of Me.; W. & D., of Ky.; W. S. T., of Mass.; T. C., Jr., of L. I.; R. G., of N. Y.; J. De S., of N. Y.; W. S., of Mass.; H. & C. P., of Tenn.; W. K. P., of Mass.; M. & P., of Ky.; J. H. W., of N. Y.

Important Items.

TO THE UNFORTUNATE.—We are no longer able to supply the back numbers of the present volume previous to No. 27, except from 1 to 12. Such numbers as we have to furnish, are gratuitously supplied to such subscribers as failed to receive them; and we would take occasion to state, that any person failing to receive their paper regularly, will confer a favor by notifying us of the fact. Missing numbers should be ordered early, to insure their receipt, as an entire edition is often exhausted within ten days after the date of publication.

MODELS.—We shall esteem it a great favor if inventors will always attach their names to such models as they send us. It will save us much trouble, and prevent the liability of their being mislaid.

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 date of patent when known, and enclosing \$1 as fees for copying.

RECEIPTS.—When money is paid at the office for subscription, 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 their funds.

Terms of Advertising.

Table with 2 columns: Number of lines, Price per insertion. 4 lines for each insertion, \$1; 8 lines, \$2; 12 lines, \$3; 16 lines, \$4.

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.

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 one 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, and to have the drawings, models, and facilities which few others possess, we are able to give the most correct counsel 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 and 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 we will examine and give an opinion as to patentability, without charge.

Models and fees can be sent with safety from any part of the country, and are returned at one-third less price, 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, we are enabled to execute and have 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 and substantial influence.

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 the patents applied for in the U. S., go through our agency.

MUNN & CO., American and Foreign Patent Attorneys, Principal Office 125 Fulton street, New York.

MACHINE, BELTING, Steam Packing, Engine Hose.—The superiority of these articles manufactured of vulcanized rubber is established. Every belt will be warranted superior to less than at one-third less price. The Steam Packing is made in every variety, and warranted to stand 300 deg. of heat. The hose never needs oiling, and is warranted to stand any required pressure, together with all varieties of rubber adapted to mechanical purposes. Directions, prices, &c., can be obtained by mail or otherwise at our warehouse, New York Belting and Packing Co., John H. Cheever, Treasurer, No. 6 DeWey St., N. Y.

GREAT WESTERN MACHINERY AND PATENT AGENCY.—The undersigned have established a house for the sale of machinery and patent rights at No. 64 Randolph St., Chicago, Ill. RICHARD ELLSWORTH & CO., 33 10\*

BARREL AND KEG HEAD TURNING AND PLANING MACHINES.—N. W. Robinson's patent, Keeseville, Essex Co., N. Y. This machine turns the head out and planes it at the same operation, without altering the position of the stuff after it is placed in the machine until the head is finished. This machine will make from 3,000 to 4,000 heads per day. 38 5\*

U. S. REVOLVING RULES.—The following assortment of 6-inch measuring wheel instruments is now ready for sale.—German silver, 50 feet, with spring, \$7; 50 feet with distance dial, \$8; white metal, 50 feet, with key, \$2.50; with spring \$3. Single instruments sent by mail or express upon remittance of price. LOUIS YOUNG, 1 Whitehall St., N. Y., inventor and sole manufacturer. 1\*

CHARLES A. SEELY.—Photographic Chemist, Manufacturer, Importer, and Dealer, 94 Duane St., N. Y. Pure chemicals, apparatus, and all materials for the photographic art. All goods warranted. Price catalogue gratis. The American Journal of Photography, semi-monthly, illustrated. \$1 per annum in advance. 33 2\*

TO CAPITALISTS, and manufacturers of shirtings.—Two wristbands combined in one, to be used alternately. It is simple, but ingenious in formation. Its advantages are additional neatness, convenience and economy, which must insure general adoption. Patented in the United States, England, and France. The patentee will entertain proposals to form a company for its special manufacture, or he will dispose of a part interest in it. See engraving and description in Ser. Am. of May 10th. Address K. C. CHANDLER, Astor House, New York. 1\*

TO ENGINEERS AND MACHINISTS.—Situation wanted by a first-rate mechanical draftsman, who understands water colors, shading, &c. Is a practical mechanic; understands drawing up specifications for machinery, mechanical calculations, &c. The best of references. Address T. P., care of Munn & Co., Ser. Am. N. Y. 4\*

A YOUNG MAN of mechanical tastes wishes employment as clerk, messenger, or otherwise. Is an American, reliable, and disposed to make himself useful. Address E. G., Box 879 Post Office, N. Y. 1\*

NEW INVENTION WANTED.—A party residing in Mexico is desirous of procuring a machine for making Havana paper cigars, and also for making the common cigars. Address G. L. THOMAS, 35 Duane St., N. Y.

HOWARD'S IMPROVED DREDGING MACHINES for working in a sea way. Warranted to do well in a heavy sea; calculated both to excavate and dispose of the earth, without the assistance of lighters or extra hands. Also, dredges with machinery and hull arranged to suit all situations where excavations may be required, either with or without lighters, all manufactured at the Franklin Foundry, Albany, N. Y. For official account of the capacity of these dredges, see Capt. Webster's Report at Chicago, Ill.; Lieut. Meade's at Whitehall, N. Y., and Col. Trumbull's at Erie and Oswego, N. Y., on Dredges built for the U. S. Government, No. 30, Vol. 10, Ser. Am., No. 1, Vol. 30 Journal of the Franklin Institute, and No. 151, Vol. 13, of the London Artisan. For further particulars apply to D. S. HOWARD, now at Corpus Christi, Texas; A. LOW, at the Franklin Foundry, Albany, N. Y., and CHAS. H. HASTWELL, No. 6 Bowling Green, New York City. 1\*

THE MASSACHUSETTS CHARITABLE MECHANIC ASSOCIATION respectfully announce to the public their eighth Great Exhibition of American Manufactures and Mechanic Arts, to be opened at Faneuil and Quincy Halls, in the City of Boston, on Wednesday, the 10th of September. New inventions, improvements in the arts, and specimens of rare handiwork in every department of industry will be welcome to the Halls, and every facility will be afforded for a good display and the proper care of contributions. Medals of gold, silver, and bronze, and a new diploma designed by Billings, will be given to those whose articles merit such awards. Communications from those who wish more particular information from those who will require much space, may be addressed to the subscriber. JOSEPH L. BATES, Secretary. 33 6eow

CORNWALL COTTON FACTORY.—The remaining property of the old and well-known establishment, consisting of 13 acres, tenements for more than 20 families, a very superior iron overshoot wheel, built under the supervision of the celebrated inventor and engineer Mr. Henry Burden, and in running order, gas works in good condition, &c., is offered for sale. The water privilege is of nineteen feet head, and full, the water soft, and well adapted to dyeing and bleaching. The property is situated near the Hudson, 5 miles south of Newburgh, and 55 miles north of New York, and is accessible at all seasons by river and railroad. For terms, &c., apply to P. HOWLAND, Cornwall, Orange Co., N. Y., or P. & T. Townsend, Albany. 53 2\* eow

TWO BAT MAKERS.—Six second-hand Cotton carding engines, (eighteen inches) with spindles to match, for sale cheap. Apply to C. MAGUIRE, No. 168 Front St. 38 2\*

THE NEW YORK DAILY SUN for \$2 a year. The miracle of the present age is accomplished by the Publisher of the New York Sun, in furnishing subscribers in clubs of thirty or more with the daily paper by mail for \$2 a year. The Sun commenced in 1833; is the oldest, as well as the cheapest of all the cheap daily newspapers published in New York. It contains the latest news, is sent by mail, or express, is independent on all subjects, and has for its platform "Common Sense." Club rates—payable in advance, 5 copies one year \$15.50; 10 copies \$30; 15 copies \$42.50; 20 copies \$50; 25 copies \$56.25; 30 copies \$60. Single copies \$4 a year. Papers to be sent in one wrapper, and only by mail, and to be directed to one person only. The postage on the Daily Sun within the State of New York for 7 months per year, and only \$1.56 to any other part of the United States. Specimen copies sent gratis on application. Letters (always post paid) to be directed to MURIEL S. BEACH, Sun Office, New York City. 37 1\*

1,000 YOUNG MEN of small means can make over 100 per cent. at home or abroad. Profits certain. "Chances for Business" new and useful, honorable. Apply (inclosing stamp) to Box No. 533, Detroit, Mich. 37 2\*

STONE SAWING MACHINE.—The patent for a superior machine for sawing stone in taper slabs, posts, monuments, &c., is now offered low for cash, or its equivalent. For particulars, address (post-paid) A. F. WARD, Patentee, Louisville, Ky. 37 5\*

BROWN'S CATALOGUE of all the patents granted prior to the last year. Price, single copies, 25 cents; 5 copies for \$1. Orders filled by mail. Address J. S. BROWN, Washington, D. C. 37 2\*

BOILER FLUES.—All sizes and any length promptly furnished by JAMES O. MORSE & CO., No. 79 John St., N. Y. 37 5mo\*

WROUGHT-IRON PIPE.—Plain, also galvanized inside and outside, sold at wholesale by JAMES O. MORSE & CO., No. 79 John St., N. Y. 37 3mo\*

MCALLISTER'S PRICED AND ILLUSTRATED CATALOGUE.—Our Priced Catalogue (84 pages) with 150 illustrations of Optical, Mathematical, and Philosophical Instruments, furnished gratis on application and sent by mail free of charge, to all parts of the United States, and Canada. McALLISTER & BROS., (Established 1793) 194 Chesnut St., below 8th, Philadelphia. 37 2\*

FOR SALE CHEAP.—Two 4 feet iron planers. New and perfect in every particular, and made from the most approved patterns. For further information please address G. C. TAFT, Worcester, Mass. 37 2

ENGINEERS AND MACHINISTS TOOLS.—A large assortment of superior tools for machine and railroad shops, together with a full supply of all articles required by those engaged in mechanical or manufacturing pursuits for sale by LEONARD & WILSON, 109 Pearl and 60 Beaver streets, N. Y. 38 4\*

BULKLEY'S PATENT DRY KILNS, by super heated steam, will dry grain, flour, and meal, without scorching, at a cost of two cents per barrel. Also green lumber in 12 to 20 hours. Circulars sent free on application. H. G. BULKLEY, Kalamazoo, Mich. 33 3\*

TORRES & BOND, Artists, 89 Nassau St., N. Y., Mechanical and general Draftsmen, engravers wood, stone, &c. 37 2\*

HARRISON'S GRIST MILLS.—20, 30, 36 and 43 inches diameter, at \$100, \$200, \$300, and \$400, with all the modern improvements; Bolters, Elevators, Belting, &c. &c. Also, Portable and Stationary Steam Engines of all sizes, suitable for said Mills. Apply to S. C. HILLS, 12 Platt St., N. Y. 32 eowt\*

MACHINERY.—S. C. HILLS, No. 12 Platt street, N. Y., dealer in Steam Engines, Boilers, Planers, Lathes, Chucks, Drills, Pumps, Mortising, Tenoning, and Sash Machines, Woodworth's and Daniel's Planers, Dick's Punches, Presses, and Shears; Cob and Corn Mills; Harrison's Grist Mills; Johnson's Shingle Mills; Belting, Oil, &c. 26 e3w

BIRMINGHAM IRON FOUNDRY.—Manufacturer of Iron and Composition Castings, Chilled Rolls, Mill Gearing, Fan Blowers, Trip Hammers, Shafting, &c. &c. India Rubber Calenders, Grinding, Cutting, Machines, Turbine and Centervent Water Wheels. Also, contractors for Breast and Overshot Wood Wheels. Address SHELDON BASSETT, Prest., Birmingham, Conn. 32 6eow

ENGINEERING.—The undersigned is prepared to furnish specifications, estimates, plans in general or detail of steamships, steamboats, propellers, high and low pressure engines, boilers and machinery of every description. Also, to construct and superintend the erection of General Agent for Ashcroft's Steam and Vacuum Gauges, Allen & Noyes' Metallic Self-acting Conical Packing, Faber's Water Gauge, Sewell's Sainometers, Dudgeon's Hydraulic Lifting Press, Roebling's Patent Wire Rope for hoisting and steering purposes, Machinery Oil of the most approved kind, &c. CHARLES W. COPELAND, Consulting Engineer, 64 Broadway 27 eowt\*

PATENT IMPROVED GLOBE VALVES that can be made perfectly tight when new, and easily re-ground without being removed from the pipes; also Gauge Cocks with the same improvement; also plumber's brass work, steam and gas cocks, oil cups, &c. Rights for sale. McNAUL, CARR & CO., 133 Mercer St., New York. 33 6\* eow

CIRCULAR SAWS.—We respectfully call the attention of manufacturers of lumber to the great improvements recently introduced in the manufacture of our Circular Saws. Being sole proprietors of Southwell's patent for grindingsaws, we are enabled to grind circular saws from six inches to six feet with the greatest accuracy and precision. The impossibility of grinding a saw without leaving it uneven in thickness has always been acknowledged by practical saw makers. This causes the saw to expand as soon as it becomes slightly heated in working. When this takes place the saw loses its stiffness, and will not cut in a direct line. We will warrant our saws to be free from these defects; they are made perfectly even in thickness, or gradually increase in thickness from the edge to the center, as may be desired. As they are not thick or thin places, the friction on the surface of the saw is uniform, consequently it will remain stiff and true, and will require less set and less power. Will saw smooth, save lumber, and will not be liable to become untrue. This is the oldest establishment now in existence for the manufacture of circular saws in the United States, having been established in the year 1830. Orders received at our Warehouse, No. 43 Congress St., Boston. 12 6m\* WELCH & GRIFFITHS.

SCHENCK MACHINERY DEPOT—163 Greenwich Street, New York, keeps always on hand Lathes, Planers, Drills, Steam Engines, Woodworth's Patent Planing Machines, Belting, &c. in great variety. Tools furnished of any size, to order, in the best quality. 23 16\*

VAIL'S CELEBRATED PORTABLE STEAM Engines and Saw Mills, Bogardus' Horsepowers, Smut Machines, Saw and Grist Mill Irons and Gearing, Saw Gummers, Hatchet Drills, &c. Orders for light and heavy forging and castings executed with dispatch. LOGAN & LIDGERWOOD, 9 Gold St., N. Y. 13 1y\*

VERTICAL STEAM ENGINE and Boiler for Sale at a bargain. The Engine is nearly new, and well finished. The cylinder is 9 inches; the fly wheel is a band wheel 5 feet in diameter, face 14 inches, turned off, weight 1350 lbs. The boiler is 20 feet long, 42 inches in diameter, 1 flue 17 inches, well braced wrought-iron heads; it is very strong, and has been in use about six months; is about 15-horse power. Cost \$3,200, will be sold for \$2,750 cash; delivered on shipboard. Apply to MUNN & CO., at this office. 27 15\*

MACHINISTS' TOOLS.—Meriden Machine Co. have on hand at their New York Office, 15 Gold Street, a great variety of Machinists' Tools, Hand and Power Punching Presses, Forcing Pumps, Mangle Rolling, &c., all of the best quality. Factory West Meriden, Conn. 32 13\*

AMERICAN PLATE GLASS CO. Having erected extensive works in East Brooklyn, (foot of North Sixth St.) are now prepared to execute promptly all orders forwarded to them, for Rough Plate Glass, for Sky Lights, Floor Lights, Pavements, Deck Lights for vessels, &c. Also an entirely new article possessing the properties and beauties of the best Agate, called "Dial Plate." This superior Marble in its superior quality and utility for the purpose of Flooring, Mantel Pieces, Table Tops, and Ornamental Architecture. All orders left at the Office of the Company will receive prompt attention. Office 420 Broadway. Rough Plate Glass in the Sheet at the factory, 1-4 in. 5c; 3-8 in. 5c; 1-2 in. 6c; 5-8 in. 6c; 3-4 in. 7c; 7-8 in. 8c; 1-1/4 in. 8c; 1-1/2 in. 10c. Terms cash in 20 days. 27 15\*

WOODWORTH'S PATENT Planing, Tenoning and Gearing Machines.—The subscriber is constantly manufacturing, and has now for sale the best assortment of these unrivaled machines to be found in the United States. Prices from \$35 to \$1450. Rights for sale in all the unoccupied Towns in New York and Northern Pennsylvania, JOHN GIBSON, Planing Mills, Albany, N. Y. 38 5m\*

PATENT RIGHTS FOR SALE.—The undersigned are prepared to sell State and county rights for Clapp's Improved Steam Engine and Gearing, a full description of which is given in the Ser. Am. of May 10th. This Bench Clamp, from its extreme cheapness, simplicity, and utility must come into universal use. Address, with postage stamp enclosed, to CLAPP & NUTTALL, Wappinger's Falls, Dutchess Co., N. Y. 35 4\*

IRON FOUNDRY'S FACING MATERIALS.—Viz. Hardwood Charcoal, English and American Soapstone, and German Black Lead finely pulverized into Core Flour, Fire Clay, Fire Sand, and Fire Bricks, for sale by G. O. ROBERTSON, 135 Water St., New York. 35 4\*

FILMER & CO., Electrotypers, and Manufacturers of Electrotype Materials, 125 Fulton St., N. Y. Moulding Presses, Batteries, Cases, Packing Mashes, Shaving Machines, Metal Kettles, Planes, Blocks, Building Irons, &c., on hand, or furnished at short notice, and at moderate charges. Adams' Improved batteries and black-lead machines also for sale. 23 1\*

HARRISON'S 30 INCH GRIND MILLS.—Latest Patent.—A supply constantly on hand. Price \$270. Address New Haven Manufacturing Co., New Haven, Conn. 31\*

PATENT ALARM WHISTLE.—For Speaking Pipes. The right of a limited number of the Southern States, of this valuable patent, for sale on reasonable terms. Apply to W. OSBURN, No. 57 Ann street, N. Y. 29 13

PREMIUM LATHES.—These Lathes, built by Leon Harwood, of the Crystal Palace London, and the Gold Medal of the American Institute. They are unequalled in construction and workmanship. All sizes, from 10 to 40 feet bed, and 13 to 40 inch swing, contracted for by LEONARD & WILSON, Sole Agents, 109 Pearl and 60 Beaver Sts., N. Y. 38 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 oil. 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 filled for any part of the United States and Europe. 33 1\*

ACROSS ROTARY PLANING MACHINE.—The Supreme Court of the U. S., at the Term of 1863 and 1864, 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 the Norcross's patented machine can be purchased on application to N. G. NORCROSS, 203 Broadway, New York. Office for sale of rights at 208 Broadway, New York Boston, 27 State street, and Lowell, Mass. 19 6m\*

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 Bolting 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. Cut sent to applications, and are free warranted to give satisfaction. 29 1\*

NEW HAVEN MFG. CO.—Machinists' Tools, Iron Planers, Engine and Hand Lathes, Drills, Bolt Cutters, Gear Cutters, Chucks, &c. on hand and for sale. 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. 19 1\*

AGENCY FOR THE PURCHASE AND SALE of valuable patents and inventions, T. H. LEAVITT, No. 1 Phoenix Buildings, Boston. None but matter of real merit and utility will receive any attention. Circulars containing further information may be had on application. 29 12\*