

TO CORRESPONDENTS.

C. C. of Ohio and others—M. J. Cook, of Detroit, Mich. whose advertisement—"1000 young men"—appears in another column, informs us that he has promptly answered every one of his correspondents, whenever he has been able to make out their names. He is unwilling to consider himself responsible for letters misdirected or for those which lack the writer's name and residence. Mr. Cook disclaims all intention of making money out of three cent stamps. His business is to sell receipts for making ink, and various other chemical articles.

G. M. W. of Ill.—The securing of hubs, cranks, &c. on axles, by heating and shrinking, is a very common practice, as we suppose you are aware. And the heating has been effected by fires specially built for the purpose, substantially as you describe. We see nothing patentable in your plan.

P. T., of N. Y.—Legally an assignment for one patent does not hold good for another improvement. It is for you to decide whether the party you name is entitled to a share in the last grant. The withdrawal of an application for a patent does not render an assignment null and void.

H. W. W., of Mass.—We do not know of any machine for the specific purpose you name.

R. W. B., of N. Y.—Your device for an anti-friction box is not new. The combination of rollers with shaft journals, in order to diminish friction, is quite old.

P. & S. of Iowa.—For sawing and siding machines, also saw gummings, consult the back numbers of the Sci. Am. We have illustrated many excellent inventions, and have no special preference. The dynamometer can be applied to determine the power of an engine. This consists of a friction brake, weighted, or other device. Cannot inform you as to the planing machine patent.

A. P., of N. Y.—Full information, with engravings, respecting Artesian Wells, may be found in Vol. 8 of the Sci. Am.

G. T. B. E., of Me.—Steaming the green white oak in a box, for five or six hours, then exposing it to the air for a few days, will season it better and faster than by the old plan. The steaming is allowed to improve its quality. Use high pressure steam, about 30 to 50 lbs. pressure.

W. H., of Conn.—We do not know where you can procure a flexible pipe to be used to conduct the steam to an engine, that would be as durable as a metal pipe. As you merely wish to avoid conveying the steam through the trunnions of the engine; this can be done on oscillating cylinders with a metal steam pipe.

O. H. P., of Ohio—What is the angulum composed of? We do not know what it is by the name.

A. W. D., of N. Y.—We are not positive respecting the action of the sponge which you mention; but the theory is plausible.

A. W. of Mass.—An overshot wheel should be built the whole height of the fall; it will take 7 cubic feet of water per second, on a 50 foot wheel, to amount to 40 horse power—not allowing 25 per cent. for loss.

I. S., of Ohio—The terms royal blue and finishing spirits, are of very little consequence. The muriate of tin is the best royal blue spirits; and the nitro muriate of tin the best red spirits.

G. W., of Vt.—We cannot tell why it is that mercury and bismuth and lead injure the human system, when taken internally, as oxides, for medicine; we only know that they do so. By proper dieting, bathing, &c., they may be removed from the system, but a skillful physician should always be consulted.

D. R. of S. C.—There is no paper published in our country exclusively devoted to the interests of manufacturing, giving the prices current of lumber—of ship and car timber.

R. U., Canada.—E. Daniels, Union, Broome Co., N. Y. patented in 1855 a bedstead for fractures of the lower limbs. See engraving in Sci. Am. July 21, 1855. Address the patentee for information.

A. M. S., of Pa.—There is as much silver in the sample of rock you have sent us as there is in a bowl of pure water. It is a poor kind of sandstone; do not be deceived with it.

W. L. W., of Tenn.—The percentage of power belonging to a turbine or any other kind of water wheel is the amount of force which it exerts when tested by a dynamometer, as compared with the ascertained power of the water. It is true, as you state, that many re-action wheels pass more water through the issues when running than when standing still; but there are makers of such wheels who will guarantee them to work up to 75 per cent. and above it. Now the main question is, do overshot wheels give out a higher per centage of water power? They do not.

J. J. H., of Ky.—There is no effectual method of keeping out flies from your store if your doors and windows are kept open. The best plan for you to pursue is to keep your articles of jewelry in tight glass cases.

H. B. N., of Ohio.—Elderberry wine is made by fermenting the juice. Add two pounds of brown sugar to every gallon of the cold juice; let it then be exposed in a tub for about a week; then put it in a cask filled full to the bung-hole, and allow it to work off for a week more. It should then be bottled or otherwise stoppered perfectly tight in the cask, and allowed to stand two months before it is used.

Money received at the Scientific American Office on account of Patent Office business for the week ending Saturday, Aug. 2, 1856:—

E. D. B., of N. Y., \$25; J. R., of Pa., \$30; H. L. & Co., of Pa., \$25; S. & M., of Wis., \$25; D. G., of Ill., \$30; W. P. M., of Wis., \$25; E. P., of Conn., \$25; J. B., of Ill., \$25; C. E. G., of Ga., \$25; J. B., of N. Y., \$30; E. A., of Conn., \$25; W. G., of Vt., \$55; T. S. B., of Iowa, \$35; P. D. M. C., of N. Y., \$30; H. A., of N. Y., \$30; T. S., of Iowa, \$25; A. R., of Ill., \$30; E. G., of Ind., \$30; E. F. & W. L. B., of N. Y., \$32; C. W. Jr., of N. Y., \$25; E. K. H., of N. H., \$27; A. S., of N. Y., \$55; B. & C., of N. Y., \$25; P. C., of N. Y., \$50; G. J. S., of Pa., \$25; A. B., of N. Y., \$30; E. & P. C., of Pa., \$25; C. B. B., of Conn., \$10; R. P. B., of O., \$30; B. & C., of Ind., \$30; V. J. R. A. Co., of Conn., \$100; J. H. K., of N. Y., \$25; B. M., of Pa., \$20.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, August 2:—

C. E. G. of Ga.; H. L. & Co. of Pa.; J. B. of Pa.; S. & M. of Wis.; E. P. of Conn.; W. P. M. of Wis.; E. B. B. of N. Y.; E. A., of Conn.; J. B. of Ill.; J. H. K. of N. Y.; T. S. of N. Y.; C. W., Jr. of N. Y.; E. K. H. of N. H.; B. & C. of Ind.; J. N. R. of N. Y.; O. S. of N. Y.; R. V. J. of Pa.; L. H. S. of Mich.; G. J. S. of Pa.; W. G., of Vt.; B. M. of Pa.; E. & P. C. of Pa.; P. D. M. C. of N. Y.; T. S. of Iowa.

Important Items.

NEW EDITION OF THE PATENT LAWS.—We have delayed for some months the issue of another edition of the present Patent Laws in the expectation that Congress would most certainly at this Session, make some simple amendments to them—such as are earnestly sought for by inventors and patentees. As there is now little hope that any such changes will be made during the session, we have issued a complete edition of the laws, including the regulations of the Patent Office—copies of which can be had for 12 1/2 cents each. If any of our readers, who have ordered the laws and regulations, and have not received them, they will be promptly supplied upon renewing their requests by letter.

TO THE UNFORTUNATE.—We are no longer able to supply the following back numbers of the present volumes, Nos. 6, 12, 14, 15, 17, 18, 19, 21, 22, 23, 24, 25, 27, 28, 29, 30, 34, 35, and 37. 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 and Price. 4 lines, for each insertion, \$1; 8 lines, \$2; 12 lines, \$3; 16 lines, \$4.

Advertisements exceeding 16 lines cannot be admitted either as engravings or 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 three thousand Letters Patent have been issued, whose papers were prepared at this Office, and on an average, 1/3 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, enable us 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 that generally necessary 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 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, and, in 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.

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.

MUNN & CO. American and Foreign Patent Attorneys, Principal Office 128 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 leather, at one-third less price. The Steam Packing is made in every variety, and warranted to stand 300 degs. 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 Dey street, N. Y. 48 10*

SECOND HAND STEAM ENGINES FOR sale.—One of six and one of eight-horse power. In good order, and will be sold low. W. H. ADAMS, 48 2*

\$3000 TO \$5000.—A good investment.—Any person wishing to invest a large or small amount in a recently patented machine for manufacturing articles of daily consumption, profits of which will clear whole costs in one month or less, can have an opportunity, by addressing Box 241, Brooklyn Post Office, N. Y., with real name. 1*

NOTICE.—To Agricultural Societies and Manufacturers.—G. & J. W. Gibbs, of Canton, Ohio, have invented a Dynamometer, the best yet brought before the American public for testing the draft of plows, mowers and reapers, &c. Those wishing to secure one of these valuable instruments for the coming trial, this fall, should order early. Instruments warranted. Patent applied for. 48 3*

\$200 ONLY for the entire New England States.—Burwell's Boot Stretcher, patented 1854, and the very best in use, is now offered at the above extraordinary low figure if applied for at once. Address AMSDEN & PHIN, 1* Patent Agency, Rochester, N. Y.

TO GAS COMPANIES AND ENGINEERS.—The undersigned, a Civil Engineer and Draughtsman, and being for the last eight years connected with the manufacture of Gas and Gas Meters, wishes a situation as superintendent or inspector; he thoroughly understands the construction, and has had great experience and practice in testing the wat and dry meter, can give the highest reference as to ability, &c. Please address ENGINEER, office of the Scientific American, New York. 11*

INGERSOLL'S IMPROVED PORTABLE Press for Hay, Cotton, Tobacco, &c.—A silver medal for which was awarded last fall at the Fair of the American Institute, and also at the Fairfield County Fair in Conn. On account of the cheapness, compactness, portability and great power it is exactly adapted to the wants and means of every farmer and planter, and is believed to be far superior in every respect to any other machines of the kind now manufactured. See Sci. Am., Vol. XI, No. 30. Circular, cuts, &c., descriptive of the machine can be had on application to the Farmers and Mechanics Manufacturing Co., Green Point, (Brooklyn) L. I. 48 4*

WELTON, STEARNS & HOLMES—Artesian Engineers, Charleston, S. C., and Augusta, Ga. A. C. WELTON, I. H. STEARNS, C. B. HOLMES. 48 3*

CLARK'S PATENT WATER BOILER.—The only perfect security against steam boiler explosions, caused by want of water. Every steam boiler should have one. Regulations sold and applied at rights for most of the States and Territories, for sale by S. C. HILLS, 12 Platt st., N. Y. 48 6eow

FOR SALE.—9 Volumes of the Scientific American, 2 to 10 inclusive, complete and well bound. Address J. V. HAYNES, West Meriden, Conn. 48 2*

VANFLEET'S PLANING MACHINE.—Important to Builders, Dealers in Lumber, Car Manufacturers, &c.—This machine does not take half the power that the Woodworth Planer does, and is applicable and practicable for horse power. For rights and machines, address D. C. HENDERSON, Sandusky, O. 48 4*

1000 YOUNG MEN for big wages. Honest, easy, and sure. Send stamp to Box 533, Detroit, Mich. 48 2*

RARE CHANCE FOR SPECULATORS IN Machinery and every business.—For sale cheap or to the highest bidder, after the first of September next, all my inventions in hub-making machinery and tools, together with one temporary set of the same now in private use. Turns all sizes and shapes in perfect fac simile, with very surprising neatness and astonishing rapidity. Nearly all the labor is performed by machinery, even to painting; the refuse of ordinary capacity can do the balance. The refusal is about sufficient fuel for power. There is money in it. Also for sale, one of the most desirable little establishments, in the way of a work-shop and fixtures, imaginable. Water power that costs a mere trifle to keep in order. Boring and mortising machinery, saws, lathes, &c., in running order, together with all the little conveniences and comforts that service should desire. The valuation is about every thing admirably calculated for carriage or other similar business; and the right man would be very welcome here, and could enjoy life and make money. Terms of payment easy. Also other chances to make money.—Come and see. A candid reply to all interrogations by mail will be given on payment of postage. Address ALFRED W. DOTY, Windham Center, Greene Co., N. Y. 47 2*

FOR SALE.—One second-hand 7 ft. power Planing Machine, made by the New Haven Manufacturing Co. Cost \$100, will be sold for \$50 cash. Has been used only about four months. Also an upright drill by the same maker. Cost \$90, will be sold for \$40 cash. Address GEORGE S. LINCOLN & CO., Hartford, Conn. 47 1*

FOR SALE.—A complete suit of Submarine Armor of the latest improvement, with pump, hose, and weights. Will be sold low. GEORGE G. HOWARD, 18th, below Market, Philadelphia. 47 2*

TURNING LATHE AND OSCILLATING ENGINE for sale.—The lathe is plain finished, made to order, swings 20 inches clear, is 11 feet 6 inches long, in complete order, with all the gearing. The Oscillating Engine is 4-horse power, cylinder 4-inch bore, footstroke, with pump, in complete order. The above will be sold cheap for cash, by applying to J. G. HOWK, 47 2*

BARREL AND KEG HEAD TURNING AND Planing Machine, N. W. Robinson's patent. Keesville, N. Y. This machine cuts the head out and planes it all at one operation, and will make 300 to 400 per hour. 44 5*

50 STEAM ENGINES.—From 3 to 40-horse power also portable engines and boilers; they are first class engines, and will be sold cheap for cash. WM. BURDON, 102 Front st., Brooklyn. 41 1*

GOLD QUARTZ MILLS of the most improved construction; will crush more quartz and do it finer than any machine now in use, and costs much less. WM. BURDON, 102 Front st., Brooklyn. 41 1*

THE MASSACHUSETTS CHARITABLE MECHANIC ASSOCIATION. Respectfully announce to the public their eighth Great Exhibition of American Manufactures and Mechanical Arts, to be opened at Faneuil Hall, in the City of Boston, on Wednesday, the 10th of September. New inventions, improvements in the arts, and specimens of rare handwork 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 to exhibit, information, and from those who will require much space, may be addressed to the subscriber. 38 6eow JOSEPH L. BATES, Secretary.

HARRISON'S GRIST MILLS.—20, 30, 36 and 48 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 6eow

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 Pumps, Presses, and Shears; Cob and Corn Mills; Harrison's Grist Mills; Johnson's Shingle Mills; Belting, Oil, &c. 26 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, 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 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 6eow

IRON FOUNDER'S FACING MATERIALS.—Viz. Sea Coal, Hardwood Charcoal, Lehigh Coal, Soapstone, and German Black Lead finely pulverized; also Core Flour, Fire Clay, Fire Sand, and Fire Bricks, for sale by G. O. ROBERTSON, 135 Water st. New York. 44 4eow

CLOCKS for Churches, Court Houses, &c. Regulators and time pieces for jewelers, railroads, offices, &c. Also glassials of any size for illuminating, and other kinds manufactured and warranted by the subscriber.—JOHN SHERRY, Oakland Works, Sag Harbor, N. Y. 37 12eow

W. P. N. FITZGERALD, Counselor at Law—late Principal Examiner in the U. S. Patent Office—has removed from Washington, D. C. to the city of New York, 271 Broadway, (corner of Chambers St.) As heretofore his practice is confined to Patent Cases, which he will prosecute or defend, as counsel, before the Supreme and Circuit Courts of the United States, also before the Patent Office, or the Judges having jurisdiction of appeals therefrom. 29 1amtf

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 grinding saws, 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 there are no 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. While true, 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. 48 Congress st., Boston. 44 13* WELCH & GRIFFFITHS.

KNITTING MACHINES.—Circular and straight knitting machines of all sizes and gauges on hand and made to order. WALTER AIKEN, Franklin, N. H. 46 8*

PAGE'S PATENT PERPETUAL LIME KILN, will burn 100 barrels of lime with three cords of wood every 24 hours; likewise my coal kiln will burn 150 bushel with 1 tub bituminous coal in the same time; coal is not mixed with limestone. Rights for sale. 45 26 C. D. PAGE, Rochester, N. Y.

NORRIS WORKS, Norristown, Pa.—Ingalls, Carson & West, Iron and Brass Founders, Machinists, Boiler Makers and Steam Engine Builders.—Manufacture Cornish Pumping Engines of an improved construction for mines and Water works, of any capacity. All kinds of Mining Machinery, Sugar Mills, Propeller Engines for Canal Boats, Blowing Cylinders, and all heavy machinery required in the Engineering business generally. ANDREW INGLIS, RICHARD R. CORSON, JOHN WEST. 43 1*

LAWRENCE SCIENTIFIC SCHOOL.—Harvard University, Cambridge, Mass. The next term will open on Thursday, Aug. 25th. For catalogue containing full particulars address E. W. HORSFORD, Dean of the Faculty. 42 8*

BARREL MACHINERY.—CROZIER'S PATENT. This is unrivaled in point of quality and quantity of work performed, and may be seen in constant operation at the Barrel Manufacturing factory of the undersigned. For rights and machine's address WELCH & GRIFFFITHS, 43 18* Oswego, N. Y.

TO CAR BUILDERS.—For Sale, one new Upright Boring Mill for boring car wheels. Maker's price \$600, will be sold for \$300 cash. Address GEO. S. LINCOLN & CO., Hartford, Ct. 43 1*

GROVER'S PATENT WIRE CUTTERS.—A view of which is given in No. 42, this paper, are for sale wholesale and retail by E. D. & C. Draper, Hopedale, Middleford, Mass. We are also sole agents for the sale of Dutcher's Patent Temple's Patent Parallel Shuttle Motion, Hayden & Wyllis' Patent Drawing Regulators or Eveners, Thompson's Patent Oilers, &c. 42 7*

BOILER FLUES.—All sizes and any length promptly furnished by JAMES O. MORSE & CO., No. 79 John st., N. Y. 37 3mos

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

FORBES & BOND, Artists, 89 Nassau st., N. Y., Mechanical and general Draughtsmen on wood, stone, &c. 13 1y*

THE NEW YORK DAILY SUN for \$2 a year. The publication of the present age is accomplished by the Publishers of the New York Sun, in furnishing subscribers in clubs of thirty or more with the 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. It contains the latest news to be had by telegraph, mail, or express—is independent on all subjects, and has for its platform "Common Sense." Club rates: payable in advance, 5 copies one year \$16.50; 10 copies \$30; 25 copies \$41.25; 50 copies \$76.25; 100 copies \$140. Single copies 5 cents. 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 is only 78 cents 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 MOSES S. BEACH, Sun Office, New York City. 37 1*

VAIL'S CELEBRATED PORTABLE STEAM Engines and Saw Mills, Bogardus' Horsepower, Sautt, Machine, Saw and Grist Mill Irons and Gearing, Saw Gummings, Round Drills, &c. Orders for light and heavy forging and castings executed with skill and dispatch. LOGAN & LIDGERWOOD, 9 Gold st., N. Y. 13 1y*

FILMER & CO., Electrotypers, and Manufacturers of Electrotype Materials, 128 Fulton st., N. Y. Molding Presses, Batteries, Cases, Backing Pans, Shaving Machines, Metal Kettles, Planes, Blocks, Building Irons, etc., etc., on hand, or furnished at short notice, and at moderate charges. Adams' Improved batteries and black-lead machines also for sale. 23 1*

OIL! OIL! OIL!—For railroads, steamers, and for machinery and burning.—Pease's Improved Machinery Oil will save fifty per cent., and will not gum. This oil possesses qualities vitally essential for lubricating and burning, and 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 its 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*

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 Planes is not an infringement of the Woodworth Patent. Rights to use the N. G. N. patented machine can be purchased on application to N. G. NORCROSS, Office for sale of rights at 27 State street, Boston, and Lowell, Mass. 45 1*

NEW HAVEN MFG. CO.—Machinists' Tools, Iron Planers, Engine and Hand Lathes, Drills, Bolt Cutters, Gear Cutters, Chucks, &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." 19 1*

HARRISON'S 30 INCH GRAIN MILLS.—Largest Patent.—A supply constantly on hand. Price \$200. Address New Haven Manufacturing Co., New Haven, Conn. 31 1*

BOILER INCrustATIONS PREVENTED.—A simple and cheap condenser manufactured by Wm. Burdon, 102 Front st., Brooklyn, will take every particle of lime or salt out of the water, rendering it as pure as Croton, before entering the boiler. Persons in want of such machines will please state what the bore and stroke of the engines are, and what kind of water is to be used. 41 1*