

TO CORRESPONDENTS.

H. C. C., of Iowa.—We like the soldered tin roofs best; they are said to be more durable. Red lead is the best paint for such roofs. It is easier to put on a lock roof, with white lead in the seams, than to put on a soldered roof. The pitch should not be less than an inch to the foot. In Iowa a tin roof may last for ten or twenty years without paint, but in New York, subject to sea breezes, it would last but about three years. We do not know the character of the heater mentioned by you.

J. W., of Ohio.—If you dissolve some shreds of india rubber in warm turpentine, it will answer as a cement to make india rubber adhere to wood. There is no cement that can make wood and glass adhere permanently together.

C. W., of Ohio.—Pencils are pressed in diest to give them a fine finish.

E. M. B., of Pa.—Engravers use a common hard pencil to draw designs on wood; they first rub a little chalk and moisture, or fine white pumice, on the block, to form a white ground; "Chambers' Information for the People," gives an account of wood engraving.

M. D. P., of N. Y.—We do not know where you could get a one-horse power engine to work your sixteen inch crank. We never would use an engine having such a small bore. There can be no doubt but a one horse power is equal to that of five men working on the same crank as the engine, but a one-horse engine involves more friction than a four horse power, in proportion to their size.

E., of Va.—A paddle wheel to revolve and measure the rate of a vessel's sailing, would not be patentable by being merely connected with a revolving indicator; all steamships have such indicators moved by the revolutions of the main shaft. They do not give the amount of slip, but the number of revolutions multiplied into the circumference of the wheel, gives the vessel's speed, allowing for slip.

J. C. S., of Ohio.—No such molasses as those described by you could be sold in this city. There are various ways of purifying molasses, but it requires expensive apparatus to do this on a large scale. If you stir an ounce of fresh slacked lime into every gallon of molasses, pour in some boiling water, and then, after standing half an hour, filter them through a cloth, you will find the taste much improved.

A. F., of Ill.—The small screw of two inches is just as powerful as one of twelve inches. There is no power in the screws themselves, so the dispute about the difference of power among your mechanics has been a waste of words. The power is the force applied to operate them. The power required to work each screw will just be in proportion to the area of the blades or thread, and the velocity given to them.

A. H., of N. Y.—Yours will be attended to next week. G. M., of Ill.—You are mistaken in regard to the action of electricity. You may depend upon it that those houses having conductors and yet were struck with the electric fluid had defective conductors. A glass knob on the point of a conductor will destroy its utility.

J. B. B., of Lake Superior.—A propeller balloon is not new to us. Capt. Taggart made a number of ascents with one about six years ago, and on one occasion we saw him come near losing his life. Carbonic acid is too sensitive to heat and cold to be used for inflating balloons. If you can dress lumber as cheap as you have stated, capitalists, no doubt, could be found by you to engage in the business. The ventilating chimney-cap you describe is illustrated on page 160, Vol. 9, Sci. Am., but we have been told it will not cure a smoky chimney overtopped by an adjacent building.

J. A. R., of N. Y.—The mastic cement used for the outside of houses in this region is composed of dry sand, a little plaster of Paris, and marble dust, slightly moistened with boiled linseed oil; the bricks to receive it are first coated with boiled oil.

J. F. S., of Iowa.—All reeds yield fibrous materials capable of being made into paper, rope, &c. Blake's fire-proof paint is very good for the roofs of houses. Pitch, tar, and sand, mixed together, makes a good cheap roofing composition. You must apply it hot, then cover its surface with sand and fine gravel.

C. H. I., of Mass.—The suggestion you offer in regard to checks for money paid to conductors, is a good one we think, but it could not be considered as a patentable novelty.

W. W. B., of Wis.—Yours has been received. S. B., of N. Y.—The water engine described by you could not be patented. You will find one similar to it illustrated in Vol. 3, Sci. Am. There are quite a number of water pressure engines in operation in various parts of Europe.

W. M. B., of Mo.—The scales of fish perform no office in their propulsion, so far as we know; we cannot conceive how each scale acts as an oar; we are sure this cannot be so with the scaleless finny tribes.

M. H., of —Gum arabic will impart a fine gloss to water colors. The enamel on Chinese ware is burned on in a kiln.

S. Oppenheimer of Peru, Ind., wishes to purchase a machine capable of splitting barrel hoops, particularly out of ash timber.

Money received at the Scientific American Office on account of Patent Office business for the week ending Saturday, April 12, 1856.—

E. L. B., of N. Y., \$30; T. B., of N. Y., \$100; W. E. Jr., of Ill., \$15; A. D. B., of Ga., \$30; J. P., of N. Y., \$55; C. H. B., of Conn., \$30; A. G., of Ind., \$35; W. H., of O., \$25; W. & U., of O., \$55; D. & McN., of N. Y., \$30; E. J. A., of Vt., \$30; C. P. C., of Mass., \$30; T. M., of N. Y., \$35; R. F. G., of Ill., \$25; J. H. C., of Pa., \$25; E. H., of N. Y., \$25; C. & H., of R. I., \$220; O. D., of Md., \$20; W. H., of Pa., \$30; W. I., of N. Y., \$30; P. L. & B., of N. Y., \$400; F. C. G., of N. J., \$20; N. N., of Ill., \$25; S. L., of Ill., \$25; E. A., of N. Y., \$25; J. F. T., of S. C., \$32; J. L. G., of Ga., \$20; M. O. C., of C. W., \$30; W. C., of N. Y., \$25; J. G. S., of N. Y., \$75; A. B., of Conn., \$25; R. G., Jr., of Mass., \$55; P. H. Van A., of N. J., \$25; A. D., of N. Y., \$55.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, April 12.—

J. S. J., of Pa.; W. H., of O.; W. C., of N. Y.; W. S., of N. Y.; C. W. Jr., of N. Y.; E. A., of N. Y.; J. G. H., of N. J., (3 cases); N. N., of Ill.; S. L., of Ill.; S. H. & M. C. W., of Pa.; W. D. U., of N. C.; R. F. G., of Ill.; J. H. C., of Pa.; C. M. L., of N. H.; E. H., of N. Y.; A. B., of Conn.; R. G., Jr., of Mass.; P. H. Van A., of N. J.; A. D., of N. Y.

Important Items.

BACK NUMBERS VOLUME XI.—We are no longer able to supply complete sets of the present volume. The numbers which are entirely exhausted are 6, 12, 14, 15, 17, and 19. Any other numbers up to the present we are able to supply to any who may wish them. Those who order the back numbers from the commencement of the volume will receive such as we have, and their subscription will be entered up enough longer to compensate for the numbers which we are unable to supply. 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: Lines for each insertion, Price. 4 lines, \$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 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 we will examine and give an opinion thereon, which, if it is well known, 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 long experience and great success have secured for us, we are now presenting 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.

Most of the patents obtained by Americans in foreign countries are secured through our Agency, and 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, 123 Fulton Street, New York; 32 Essex Street, London; 29 Boulevard St. Martin, Paris; No. 3 Rue Thereseanne, Brussels.

BOILERS FOR SALE.—Three Cylinder Boilers, 44 inches diameter, 30 feet long, with two 13 inch flues each, with steam drums 30 inches diameter and 5 feet high; and Cross Boiler 36 inches diameter, and 12 feet long; safety and check valves all in complete working order. Also, a new set of Van Sickle's Patent Salamander Grate Bars for a Furnace, 5 feet by 10. Apply to HECKER & BROTHER, 267 Cherryl-st., New York.

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

UNITED STATES PATENT REVOLVING MEASURE.—Inventor and manufacturer, Louis Young. The following assortment will soon be offered to the public: 12 wheel, 100 to 1000 Surveyor's or Mile Measure; 10 inch wheel, length one mile or more. The patentee is willing to dispose of part of the patent. For particulars apply to SAMUEL COLMAN, 6 Wall st.

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, Machine Belting, &c., all of the best quality. Factory West Meriden, Conn. 32 13\*

LOCOMOTIVE WOOD.—Winter's American Wood Sawyer is particularly adapted for cutting wood for locomotive wood; is capable of cutting 75 to 100 cords in a day. Patented 1854. State and road rights for sale. For particulars address W. M. WINTER, Rondout, N. Y.

SMUT MACHINES.—A. NEWBURY & CO., of Windham Center, N. Y., are manufacturing a superior article; having been thoroughly tested for a number of years, they are found inferior to none in cheapness, durability, and in the quality of their work. Price \$50. 32 4\*

A STEAM WOOLEN FACTORY, and Four Lots, situated Chestnut street and the Canal.—Factory of Brick, 40x50 feet—three stories high and an attic—with two sets of first rate eastern machinery and two custom carding machines; engine and Dye House 40x50 feet, two stories high, together with other out-houses. Apply to H. CULLUM, Meadville, Pa. 1\*

CAUTION.—The public are hereby cautioned against purchasing any right for improvement in Horse Shoes. Patented 25th of July, 1854 by W. H. Towers, from Geo. S. Earle or E. B. Strong, as the power of attorney under which such sales may be attempted to be made was revoked some month since. W. H. TOWERS, 32 4

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 saw Mills. Apply to S. C. HILLS, 12 Platt st., N. Y. 32 eowif

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

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, 42 inches in diameter, 14 feet 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 \$1200, will be sold for \$675 cash; delivered on ship board. Apply to MUNN & CO., at this office.

TO MANUFACTURERS.—For Sale or to Lease. Sites for the erection of buildings for manufacturing purposes, on the north bank of the Passaic, on the line of the New Jersey Railroad, about one mile and a half from Newark, and near the East Newark Station, lying between the cities of New York and Newark, offering facilities for water, railroad and good turnpike communication, with both, at all seasons. This location is admirably adapted for manufacturing purposes, particularly where much space is needed. For particulars apply to S. J. GIBSON, 10 Center st., Newark; or to JAMES M. THORBURN & CO., 15 John st., New York. 31 2\*

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 circular account of the capacity of these dredges, see Capt. Meade's Report on 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, SCIENTIFIC AMERICAN; No. 1 Y. Q., Journal of the Franklin Institute, and No. 151, Vol. 43, of the Artisan, London. For further particulars apply to D. S. HOWARD, now at Corpus Christi, Texas, or to A. LOW, at the Franklin Foundry, Albany, N. Y. 31 2\*

JAMES HARRISON, Jr.'s MANUFACTORY.—Second Avenue, corner of 22nd st., New York. 31 4\*

HARRISON'S 30 INCH GRAM MILLS.—Latest Patent.—A supply constantly on hand. Price \$200. Address New Haven Manufacturing Co., New Haven, Conn. 31 4\*

STUBS AND OTHER Superior Manufacture, Lancashire and Sheffield Files, Dixon's Black Lead Crucibles, Brass and Iron Machines, and Cap Screws, Pattern Letters, from 3-16 to 2 inches, adapted to all descriptions of Casting. Stub's Pliers and Nippers; small Bench Vises; Emery Cloth and Emery Paper; materials for Locksmiths and Bell Mangers; Brass and Iron Gimlet Pointed Screws of all sizes, &c. &c. M. A. BALDWIN & M. A. NY, Importers and Dealers in Building Hardware, &c., 49 John st., cor. Dutch, N. Y. 31 4\*

WM. BURDON'S STEAM ENGINE WORKS, 102 Front street, Brooklyn, N. Y.—Engines from 3 to 40 horse power constantly kept on hand, of the latest styles and patterns, with all the modern improvements. Engines from 40 to 200 horse power made to order, high pressure or with condensers. Also portable engines with boilers, and engines attached with wheels for pile-driving and wood-sawing, circular saw mills, upright engines that take up a very small space for printers' and pumping engines, steam pumps of various sizes, rotary pumps and mining pumps; also quartz mills and stampers for copper and gold, improved hoisting machinery, tubs, mines or stone quarries; also sugar machinery, sugar mills, sugar kettles and vacuum pans, saw mills, grist mills, marble mills, rice mills, screw and hydraulic presses, boilers, and castings of every description. The reputation that Wm. Burdon has sustained for the last 20 years, as an engine builder, is a guarantee for his work. Miners and manufacturers will find it to their advantage to patronize his establishment, not only for the hundred finished engines kept on hand, but for the large lot of boilers, shafting, pulleys, and hangers kept on hand, orders can be shipped the same day they are received. Also a large number of second hand engines of various sizes for sale. Second hand engines bought or exchanged for new ones or old on commission. The great facilities and perfect system and order in his establishment, together with the fact that Burdon sells lower than any other establishment in the country for the same material and labor. Advice given gratis, drawings and plans made at the shortest notice. 30 4\*

WOODWORTH PATENT Planing, Tonguing and Grooving Machines.—The undersigned is constantly manufacturing and has now for sale the best assortment of these unrivalled machines to be found in the United States. Prices from \$85 to \$1450. Rights for sale in all the unoccupied towns in New York and Northern Pennsylvania. JOHN GIBSON, Albany Planing Mill, Albany, N. Y. 30 12\*

A. H. BARTLETT'S HOT AIR FURNACE.—Now ready, and for sale at the foundry of Johnson, Cox, Cameron & Co., Spuyten Duyvil, N. Y. This furnace exceeds in power and economy any ever heretofore offered to the public. All orders should be directed to the patentee, Spuyten Duyvil, N. Y. An engraving and description of this really valuable furnace was given in Sci. Am., Vol. X, No. 45. 30 3\*

1856.—WOODWORTH'S PATENT Planing, Tonguing, Grooving and Grooving Machines.—The subscriber is constantly manufacturing, and has now for sale the best assortment of these unrivalled machines to be found in the United States. Prices from \$85 to \$1450. Rights for sale in all the unoccupied towns in New York and Northern Pennsylvania. JOHN GIBSON, Planing Mills, Albany, N. Y. 30 3m\*

ALL PERSONS ARE CAUTIONED against recognizing, in negotiations with Silas H. Randall, of this place (now East), a certain power of attorney given by me to him about a year and a half ago, as said power has been demanded, and is now retained against my wish. J. HERVA JONES, 30 3\*

REED'S PATENT CHRONOMETER ENGINE.—This is an improved Steam Engine for which Letters Patent were granted to John A. Reed, of New York, Jan. 9, 1855. The nature of this improvement consists in the increase of power about 20 per cent, and reducing the weight of the engine one half. The saving of fuel is effected by letting the steam in on both sides of the cylinder; doubling the size of the port, and balancing the pressure, removing the friction and weight of the slide valves, eccentrics, cross heads, connecting rods, &c. The exceeding simplicity of this engine renders it much more durable and easily managed than any other, and when placed upon the boiler with which it is portable, though effective. These engines received the First Prize Medal at the Great Exhibition in Paris. There are about seventy-five of them now in operation, all giving great satisfaction. 1-horse Engine \$150. Boilers and fittings \$125. 3 " " 200. " " 150. 6 " " 300. " " 300. 10 " " 500. " " 500. All sizes from 1 to 100-horse power at the shortest notice. Also Reed's Patent Steam Pump, the simplest and most durable one in use, for raising water or supplying boilers. Further information may be had by addressing TOULSEY & REED, 95 Maiden Lane, New York. 24 1am tf.

DRAWING INSTRUMENTS.—The largest stock in the country, comprising our well-known German silver Swiss instruments, and German, French, and others Surveying and engineering instruments, warranted of the best construction and quality. Catalogues gratis. AMBLER & WIRZ, 211 Chestnut st., Phila., Pa. 25 6w\*

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 vessel, machinery, boilers, &c. General Agent for Ashcroft's Steam and Vacuum Gauges, Allen & Newell's Self-adjusting Conical Packing, Faber's Water Gauge, Sewell's Salinometers, Dudgeon's Hydraulic Lifting Press, Roebling's Patent Wire Rope for hoisting and steering purposes, Machinery Oil of the most approved kind, etc. CHARLES W. COPELAND, Consulting Engineer, 64 Broadway 19 eowtf

ARTIFICIAL LEGS.—Palmer's Patent.—Manufactured at 378 Broadway, New York, Springfield, Mass., and 376 Chestnut st., Philadelphia, by PALMER & CO.—These legs are universally regarded, and recommended, as an invaluable boon to all who have suffered mutilation by amputation, by all of the first surgeons in Europe and America; by all the Institutes for the promotion of Arts, and by the several thousands of persons now blest with them in their daily use. Pamphlets containing the most reliable information are sent gratis to all who apply for them. 26 6w\*

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 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 power. We 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. 48 Congress st., Boston. 12 6m\* WELCH & GRIFFITHS.

SHENCK 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, and of the best quality. 26 8 A. L. ACKERMAN, Proprietor.

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

WOODWORTH'S PATENT Planing, Tonguing, Grooving Machines.—Double machines plane both sides, tongue, and groove at one and the same time, saving one half of the time when lumber is required to be planed on both sides. Large assortment constantly on hand. Also steam engines and boilers of the best quality. Warranted to give entire satisfaction to purchasers. JOHN M. LESTER, 25 8\* 57 Pearl st., Brooklyn, L. I.

WELLS & CO., Florence, Hampshire Co., Mass.—Manufacturers of double and single patent premium Circular Saw Mills, of various capacities and styles, unsurpassed in point of Finish, Durability, and Utility. Morrison's Patent Shingle Machines, which give, shave, and joint perfectly, 60 shingles per minute. Self-Setting, Shingle, and Lath Sawing machines. Carpenter's Patent Rotary Force Pumps, admitted the best in the United States. Saw Mandrels, Sets and Set Punches, Mill Gearing, Shafting, &c. Orders by mail will receive prompt attention, and Cut, Circulars and Price Lists furnished when desired. 26 6 eow\*

CARPENTER'S ROTARY PUMP.—For Pumping Hot or Cold Water, Lard Oil, &c. is (see good notice on both sides, in this paper, No. 28.) manufactured and for sale by D. C. HENDERSON, Sandusky, Ohio. 31 5\*

A. L. ARCHAMBAULT, Portable Steam engine Builder, 15th and Hamilton st., Philadelphia.—Saw Mill Engines on Wheels from 10 to 30-horse power. Also Hoisting, Pumping, and Pile driving Engines, from 3 to 30 horse power. 25 8\*

THE 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 beauty of Agate, called Opalium. This material surpasses 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 factory, 1-4 in. 35c.; 3-8 in. 35c.; 1-2 in. 40c.; 5-8 in. 40c.; 3-4 in. 75c.; 7-8 in. 80c.; 1 in. 85c.; 1-1/4 in. \$1.25. Terms cash in 30 days. 27 13

BOILER INCrustATIONS.—No scale will form in the boiler when Weissenborn's Patent Incrustation Preventor is used. At the same time the apparatus is the best heater that can be obtained. Apply to E. W. SARGENT, Delmonico's Hotel, New York City. 25 12\*

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

LINEN MACHINERY.—JOHN R. McNALLY Champlain, N. Y. Agent for the sale of linen machinery of every description, new and second hand. Engineers and machinists tools, and linen yarns of every number and quality. 22 13\*

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. OSTRANDER, No. 57 Ann street, N. Y. 29 13

STEAM PUMPS AND FIRE ENGINES.—Steam Pumping Engines for wrecking purposes, Irrigating and Draining Lands, Deep Mining Shafts, Quarries, and Excavations, Railroad Stations, Factories, Public Institutions, Hotels, Gas Works, Steamers, &c. Also a large and improved class of Pumping Engines for supplying Cities, Towns, and Villages. Apply to H. R. WORTHINGTON, 28 Broadway, New York City. 25 13\*

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 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. 19 1f

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 the 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. 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 all mills warranted to give satisfaction. 29 1f

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 catalogues full description and prices, address, "New Haven Manufacturing Co. New Haven, Conn. 19 1f

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