

TO CORRESPONDENTS.

O. M., of Ill.—But one number of Ranlett's Street Architecture has yet been published. As the others issue you will see them noticed in the Sci. Am. The publishers—Dewitt & Davenport—will supply you at 50 cts. per number. The other pamphlet we have ordered to be sent you.

T. H., of N. Y.—Your power gainer is good for nothing. Its principles are not new or patentable. Better turn your attention to another subject.

A. H., of N. Y.—You really have overlooked the main point to which we wished to direct your attention. The perpetual ownership in land purchased or possessed, as guaranteed by civil and common law, is also guaranteed to every inventor with regard to his invention. His ownership is never taken away; it is guaranteed to him forever without a patent. A patent is a delegated power or force to prevent others imitating and using the invention, which is quite different from the grant of ownership in land. We said that the two grants should never be compared together; but still you persist in thus comparing them.

G. N. F., of Pa.—An iron stack for a chimney is very objectionable where one can be built of brick. For a 12-horse power engine we would build a brick chimney no less than forty feet in height. We do not wish to give advice regarding the use of wet bark as fuel. For every horse-power in a boiler one square foot of furnace bars and nine square feet of heating surface are required. For a 12-horse power boiler you must therefore have 12 square feet of grate and one hundred and eight of heating surface. A plain cylinder 12 H. P. boiler with its draft passing direct under to the chimney at the back end, should be about 20 7/8 feet long, and 3 1/2 feet in diameter. About 20 feet long and 3 feet and a quarter in diameter would answer your purpose.

C. W., of M. T.—Your potato digger, as illustrated in your diagram, presents nothing new. In one of the early volumes of the Sci. Am. one was illustrated which presented the same features.

L. L. P., of N. Y.—Minifie's Mechanical Drawing Book would answer your purpose admirably. Price \$3. Dewitt & Davenport of this city will furnish it.

M. T., of Del.—The water wheel which you describe is similar to many rotary engines which can be used either for steam or water motors. The only thing new about it appears to be the eccentric toggle-joint valve, which is not claimed new in the patent, but as combined with the buckets. A similar wheel is illustrated on pages 8 and 72, Vol. 4, Sci. Am. It is a water pressure engine and not an overshot wheel as stated by you. Are you not mistaken regarding its advantages?

G. P., of Mich.—Yours on Agricultural Chemistry will appear next week.

D. S. H., of N. Y.—Does the wheel to which you refer operate like Lane's telescope, described in our columns.

J. C., of Tenn.—We will endeavor to find a place for yours in our next number.

W. McD., of Pa.—The amount of power required to drive one run of stones is four-horse power, but you may employ ten-horse if you run them at a high velocity.

R. S. W., of Mass.—How'd's water wheel is a center vent, rotating in the same direction as the water.

E. J., of N. J.—We understand that the iron to which you refer contains great quantities of zinc, it is soft, but not strong.

S. G. C., of Mich.—A turbine water wheel is one through which the water passes from the center to the circumference, and vice versa. Strictly speaking, it means a wheel which spins on a vertical axis, like a top, but this name is now applied to all wheels the buckets of which are curved, and open from the outside to the inside. Such wheels are now manufactured by various persons in almost every State in the Union. There is no patent in existence covering such wheels exclusively.

G. D. H., of Vt.—You can obtain a pamphlet on the architecture of cast-iron by writing to Mr. Bogardus, Center st., this city.

G. W. C., of Wis.—We do not know what you mean by the term "magnetized mask."

M. J., of Pa.—There is no loss of weight in grinding corn or oats, excepting sometimes a little moisture and dust, not worth estimating. We do not know the cost of transporting a barrel of plumbago from Philadelphia, nor its price per barrel.

H. B. C., of N. Y.—We have never seen the metal silicon, nor are we acquainted with any person who has. We know it has been stated in some papers that it had been freely obtained by M. Deville, of Paris, but these statements were confirmation.

H. R. M., of Ohio.—As your State has immense natural resources in an abundance of coal, it will, no doubt, become as great for manufactures as it is now for agriculture; but we would advise you to devote considerable attention to improve the manufacture of iron, and try to reduce its cost.

A. H. P., of Vt.—We have not heard a word about the gold mine of your State for more than a twelve-month.—The speculation, we suppose, met with as little success as it deserved.

A. K. H., of Conn.—We cannot inform you where you can obtain the celestial chart with all the fixed stars to the twelfth magnitude.

G. W. R. B., of La.—Wm. Howe has three patents on Truss Bridges: the first was granted July, 1840; the second, August, 1840; and the third, August, 1846. All patents are originally granted for 14 years. The numbers of the papers on order have been again sent.

Z. L., of Ind.—There is no power whatever in the screw itself, whatever may be its pitch or diameter. The power means the force applied to work it, if you can produce a greater effect by the revolution of one screw than by another, is because you apply more force.

O. P. S., of N. Y.—Yours will appear next week.

J. B., of Mo.—Your rotary engine is not new or patentable.

W. L., of Me.—The material of which the ornamental slabs in the British Museum is made, must be prepared paper mache. We have heard of them, but do not know their composition. Paper mache, covered with Blake's fire-proof paint, would make partition walls of the same character.

H. S., of Phila.—All raw silk contains some lime, and this is the reason why it requires much strong soap suds to remove the gum from it before it is fit to be colored.

J. R. T., of Ill.—Lime is an alkali, but remember there is just as much difference between the alkalies as the acids. Lime in water cannot form a soluble soap with oil, like potash or soda, and ammonia cannot form a solid soap at all, it forms a soap liquid, which does not become solid like soda lye soap.

J. Y., of Md.—Buckets such as you describe would possess no advantage. We do not know whether they have been tried. You will find an engraving of a "perpetual motion," water wheel that lifts more water than it consumes, in a recent number of our paper. Read the description and save yourself the trouble of an unsuccessful experiment.

E. T. B., of Md.—The reason why salt is put into lime for whitewashing outhouses and fences, is to preserve it

Money received at the SCIENTIFIC AMERICAN Office on account of Patent Office business for the week ending Saturday, May 3, 1856.—

A. R. H., of Pa., \$30; W. B. G., of Iowa, \$25; G. D., of Ohio, \$25; A. B., of Ohio, \$30; S. B., of N. Y., \$30; G. A. M., of N. Y., \$30; G. S. K., of Ohio, \$60; W. F. C., of N. Y., \$25; J. A. L., of N. Y., \$30; L. D. N., of Ohio, \$10; J. M. E., of N. Y., \$100; J. N. B., of N. J., \$25; J. H. Y., of Mo., \$10; C. G., of Ohio, \$20; C. W. O. L., of S. C., \$50; C. Van H., of Mass., \$30; O. S., of N. Y., \$25; S. W. R., of Mass., \$30; W. S., of Mass., \$30; W. S. T., of Mass., \$55; L. M., of Pa., \$30; L. J., of Ct., \$25; K. & B., of N. Y., \$25; E. A. B., of Mass., \$50; B. W. T., of N. Y., \$60; A. W. B., of Iowa, \$30; O. A. D., of Vt., \$30; J. C. H., of N. Y., \$30; H. A., of Ct., \$30; D. & B., of Mich., \$65; R. M. D., of Ky., \$30; W. M., of Mo., \$30; T. & H., of N. J., \$150; J. H. B., of N. Y., \$200; W. E. Jr., of Ill., \$20; J. McC., of Pa., \$25; P. D. M. C., of N. Y., \$20; J. M. F., of Ind., \$30; A. C. R., of N. Y., \$30; T. B., of Mass., \$55.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, May 3.—

O. T., of Wis.; J. F. T., of S. C.; J. K., of O.; W. B. G., of Iowa; G. W. S., of Pa.; J. A. R., of N. Y.; C. G., of O.; J. N. B., of N. J.; K. & B., of N. Y.; O. S., of N. Y.; W. E. Jr., of Ill.; J. E., of Pa.; W. F. C., of N. Y.; J. McC., of Pa.; T. B., of Mass.; J. C., of N. Y.

Important Items.

BACK NUMBERS VOL. XL—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. Great numbers of 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 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 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 as to patentability, without charge. Models and fees can be sent with safety from any part of the country by express in this respect New York is more accessible than any other city in our country.

Circulars of information will be sent free of postage to any one wishing to learn the preliminary steps towards making an application. In addition to the advantages which the long experience and great success of our firm in obtaining patents present to inventors, they are informed that all inventions patented through our establishment, are noticed, at the proper time, in the SCIENTIFIC AMERICAN. This paper is read by not less than 100,000 persons every week, and enjoys a very wide spread and substantial influence. 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, 125 Fulton street, New York; 32 Essex Street, London; 29 Boulevard St. Martin, Paris. No. 3 Rue Thiers, Brussels.

PAUL MAKER WANTED—A middle-aged man who understands making wood pails by machinery, and is thoroughly competent to start and manage a factory. None need apply who cannot furnish unexceptionable testimonials as to qualifications and character. Address W. P. WILLIAMS, Box No. 2359 Post Office, New York City, giving the full post office address of the applicant. 1*

WANTED—A situation by a practical machinist as foreman or manager of a machine shop, who has had several years experience in building stationary steam engines, mills, furnaces, and pumping machinery, also understands drawing. Would be willing to take an interest in works doing a good business. References given.—Address E. SHIPLEY, Louisville, Ky. 35 3*

KNIGHT'S SAFETY ENVELOPE—I will sell the right for cities and States. The control of the manufacture must sell all other articles. ROBERT T. KNIGHT, 229 Market St., Philadelphia. 1*

PATENT RIGHTS FOR SALE—The undersigned are prepared to sell State and County rights for Clapp's Improved Bench Hook and Clamp, a full description of which is given in the Sci. 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*

TRAVELING AGENTS WANTED for the sale of Patents and machines of several late improved agricultural implements. Experienced men preferred.—For particulars apply to JESSE URMY, Wilmington, Delaware. 35 2*

NOTICE—All orders and communications in regard to Manny's Reapers and Mowers for the Western and Southern States should be addressed to Manny & Co., Rockford, Ill. Orders and communications for Manny's Hay Press in the States of Illinois, Missouri, Iowa, Wisconsin and Michigan, use my address to G. H. Manny, Rockford, Ill.; in the States of Kentucky, Tennessee, Ohio, Indiana and Southern Illinois should be addressed to H. B. Howard, Louisville, Ky.; and in the States of New York, New Jersey and Vermont should be addressed to H. Merceullius, Amsterdam, Montgomery Co., N. Y. All orders, etc., addressed as above will be promptly attended to. My address is Wadsworth Grove, Illinois, where communications may be addressed and will receive prompt attention. PELLE'S MANNY. 35 2*

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. 36 4*

WALLEN'S CATTLE, HAY, AND COAL SALES—Are warranted of the most approved quality and called for by the most extensive business in the States. The scale is all iron, brass beam, drawing as low as half a pound, and the bearings are of the best cast steel. Apply to the subscriber for a circular giving all the particulars. C. W. WAILEY, Lexington, Ky. 34 3*

TWO CAR BUILDERS—For Sale. One new upright Boring Mill for boring car wheels. Makes 300 wheels in 24 hours for \$300 cash. Address G. H. LINCOLN & CO., Hartford, Conn. 33 4*

PAGE'S PATENT PERPETUAL LIME KILN, will burn in 12 hours lime with three days of wood, every 24 hours, like a kiln. It will burn 100 bushels with 1 ton bluish coal in the same time, coal is not mixed with limestone. Rights for sale. C. D. PAGE, Rochester, N. Y. 32 4*

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 WM. WINTER, Rondout, N. Y. 34 4*

THE NEW BRICK MACHINE has been in successful operation for more than two years. The one at my yard is driven by a 6-horse portable steam engine, which cost \$635—makes two thousand one hundred bricks in an hour, or average 20,000 in ten hours. The clay is taken from the bank, passed through a pulverizer which frees it of stone, thence to the pit, where it receives the water pumped up by the engine, and then to the machine. It makes a smaller machine, which makes 1,000 bricks—makes one thousand per hour. Price \$250. For further particulars (in a pamphlet containing full instructions on brick-burning) address FRANCIS H. SMITH, Sun Building, Baltimore. 34 2*

NOTICE TO CONTRACTORS—Office of the Long Dock Company, Jersey City, April 15, 1856. Sealed Proposals will be received at this Office until the 5th day of May, prox. at 10 o'clock, A. M. for the construction of a railroad, including a double track tunnel about 4000 feet long. The tunnel is located in Hudson City, about one mile from the Hudson river, and through a ridge of trap rock known as Bergen Hill. The whole work to be completed on or before the first day of November, 1857. Specifications, plans, profiles, etc., of this work may be seen at the Office of A. M. B. F. of New York, and Erie Railroad Company, Erie Place, West Street, City of New York. ROMER RAMSDELL, President L. D. Co. 33 3*

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 superior to all others in cheapness, durability, and in the quality of their work. Price \$50. 32 4*

CAUTION—The public are hereby cautioned against purchasing any right for improvement in Horse Shoes. Patented 25th of July, 1854, by H. H. Powers, from Geo. S. Earle, of N. Y. State, as the power attorney under which such sales may be attempted to be made was revoked some months since. W. H. FOWERS, 32 4*

1856.—WOODWORTH'S PATENT Planing, Tonguing 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*

THE NEW YORK DAILY SUN—Is forwarded by the early mails to country subscribers at \$4 per annum, or \$1 per quarter, payable in advance. The postage under the present law is as follows, to any post office in the State of New York, 75 cents per year, payable quarterly in advance. Out of New York State, but within the United States, \$1.50 per year, payable quarterly in advance. MOSES S. BEACH, Publisher, Corner of Fulton and Nassau sts. 4

75 CENTS A YEAR—Or 16 months for \$1. THE NEW YORK WEEKLY SUN is now sent to subscribers at the following very low rates, payable in advance.—One copy, 3 months, 25 cts.; 6 months, 50 cts.; 1 year, 75 cts.; 16 months, \$1.; 3 copies, 1 year, \$2.; 8 copies, \$5.; 13 copies, \$8.; 25 copies \$15.—with engravings.—The postage within the State is only 13 cents a year—out of the State 26 cents a year. No traveling agents are employed. Specimen copies sent gratis. All letters should be post paid and directed to MOSES S. BEACH, N. Y. Sun Office, N. Y. 4

W. P. N. FITZGERALD, Counsellor 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, and the Judges having jurisdiction of appeals therefrom. 29 1ant*

PATENT IMPROVED GLOBE VALVES that can be made perfectly tight when new, and easily re-tightened 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. McNAB, CAIR & CO., 133 Mercer st., New York. 33 6*ew

PORTABLE STEAM ENGINES.—S. C. HILLS, No. 101 Platt st., N. Y., offers for sale these Engines, with Boilers, Furnaces, etc., in complete order, and very compact, from 2 to 10-horse power, suitable for printers, carpenters, farmers, planters, &c. A 2 1/2 horse can be seen in store, it occupies a space 5 by 3 feet, weighs 500 lbs., price \$210; other sizes in proportion. 27 e3w

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 wheels 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 8 " " 400 " " " 400 10 " " 500 " " " 500. Also sized 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 TOUSLEY & REED, 95 Maiden Lane, New York. 24 lam f.

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 leaves the mill, and 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. It 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.

SCHEENCK MACHINERY DEPOT—163 Green St. with street, New York, keeps always on hand Lathes, Planers, Drills, Steam Engines, Woodworth's Patent Planing Machine, Belling, &c., in great Variety. Tools furnished of any size, to order, and of the best quality. 26 16* A. L. ACKERMAN, Proprietor.

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

BOILERS FOR SALE—Three Cylinder Boilers, 44 inches diameter, 30 feet long, with two 1 1/2 inch flues each, with steam drums 30 inches diameter and 5 feet high, and Cross Boiler 30 inches diameter, and 12 feet long, safety and check valves all in complete working order. Also, a new set of Van Sickle's Patent Steam-acting Grate Bars for a Furnace, 5 feet by 10. Apply to W. H. HARRISON & CO., 127 Cherry st., New York. 32 4*

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 hand wheel 5 feet in diameter, face 14 inches, turned off, weight 1350 lbs. The boiler is 20 feet long, 42 inches diameter, 1 flue 17 inches, well braced wrought-iron heads, it is very strong, and has been in use about six months. It is about 15-horse power. Cost \$3200, will be sold for \$2750 cash, delivered on shipboard. Apply to MUNN & CO., at this office. 31 5*

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

CARPENTER'S ROTARY PUMP—For Pumping Hot or Cold Water, Lead Oil, &c. is (so good) on both sides, in this paper, No. 29) manufactured and for sale by D. C. HENDERSON, Sandusky, Ohio. 31 5*

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 Tough Plate Glass, for Sky Lights, Floor Lights, Pavements, Deck Lights for vessels, &c. Also an entirely new article possessing the properties and beauties of Agate, called Chalcedon. This material supercedes 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 1/4 in. 35c., 3 1/4 in. 55c., 1-2 in. 40c., 5-8 in. 60c., 3-4 in. 75c., 7-8 in. 80., 1 in. 85c., 1 1/4 in. \$1.25. Terms cash in 30 days. 27 13

BOILER INCrustATIONS—No scale will form on the boiler when Wessensborn's Patent Incrustation Preventer is used. At the same time the apparatus is the best heater that can be obtained. Apply to W. S. AGENT, Delmonico's Hotel, New York City. 25 12*

FILMER & CO., Electrotypers, and Manufacturers of Electrotype Materials, 125 Fulton st., N. Y. Moulding Presses, Batteries, Cases, Backing Pans, 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 7*

HARRISON'S 30 INCH GRAIN MILLS—Largest Patent—A supply constantly on hand. Price \$200. Address New Haven Manufacturing Co., New Haven, Conn. 31t

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. OSBORN DEER, 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 in 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 t

NORCROSS ROTARY PLANING MACHINE.—The Supreme Court of the U. S., at the Term 1853 and 1854, having decided that the patent granted to Nicholas G. Norcross, of date Feb. 12, 1851, 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. 24t

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 t

AGENCY FOR THE PURCHASE AND SALE of valuable patents and inventions. R. 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*