

TO CORRESPONDENTS.

F. C. M., of Mass.—Arranging car brakes in such a manner as to bring them to bear when the bumpers come together, as the train begins to slacken, is not new. It has often been proposed to us. Without some convenient shifting arrangement the train could not be backed when required.

M. C. F., of Ohio.—The employment of one loose wheel on a railway axle, so as to avoid danger of breakage when turning curves is not new. There are more than 20 inventors of it.

W. P. G., of N. H.—The Commissioner of Patents has no power to annul an existing patent. He can order an interference between an existing patent and a pending application for a patent for the same invention, and require testimony from each party, in order to substantiate the question of prior invention. If the applicant for the pending case can prove priority of invention, the Commissioner exercises the right to grant the second patent. The evidence produced in the interference would confer a prima facie right of invention upon the successful party.

A. H. G., of C. W.—There is nothing patentable in your eccentric movement. Friction rollers have been applied to cams in various ways, sometimes in pairs with compensating arrangement. The use of atmospheric counterbalances is old. They have been applied to act by compressing the air, and by producing a partial vacuum.

R. R., of N. Y.—The vibrating harrow is new in its arrangement. A principle is not patentable, but a contrivance is.

E. N. P., of N. H.—The arrangement proposed by you for preventing cars from running off the track is new in minor particulars, but we do not see how it can be carried into use with the present arrangement of switches and cross tracks.

D. T., of N. S.—Your method for obtaining the center of circles is very good.

H. P. T., of Mass.—Copal varnish is used for mahogany. You can purchase it readily made in any quantity at paint stores.

G. N. F., of Pa.—Could you not use catechu as part of the tanning material. Lime water gives the bark a yellowish red color. We have had a number of inquiries like yours.

E. B. F., of Ill.—The tread of a railroad wheel is coned for the very purpose you suggest.

L. R., of N. Y.—The power was applied to steam carriages on common roads by the rods being connected to cranks on the axle. We do not know what you mean by "the friction of the wheels applied to draw the carriage." How can friction propel a carriage when it is caused by the force propelling the carriage.

W. J. P., of Wis.—At present we do not know where you can obtain good yellow and vermilion smalts.

T. J., of Va.—Give us the number of cogs in your wheels and pinions, and then we can tell you the speed of the attached shafts.

J. H. W., of N. Y.—Your combination of the wind mill and steam engine is not patentable, because they do not necessarily belong to each other. You simply use the boilers of the steam engine to compress air by the wind-mill.

E. A., of Mass.—Whitewash is a solution of lime, but all the lime in it is not held in solution by the water; it only takes up a small portion of it.

J. McD., of Mich.—You can make your wheel of the form proposed to run submerged in water, but it will be just as well for you to use any of the common improved turbine wheels. It will require 1308 cubic feet of water per minute to give you twelve actual horse power. A third above the theoretic quantity is counted.

J. L. F., of Me.—We should not desire to become custodians of correspondence between yourself and those illustrious personages the Emperor of France and Russia, and His Royal Highness Prince Albert. Your safest channel of communication will be through the United States Legations.

C. C. T., of Wis.—Your request came too late; the edition was all published before your letter came to hand. There has not been sufficient published, however, to prevent your taking patents in foreign countries, or to invalidate such patents as have been secured.

P. S., of C. W.—In the construction of the proposed tunnel under the English Channel from Dover to Calais, it is intended to employ iron tubing similar to the plan suggested by you. We do not see any chance whatever for patentable claims upon it.

B. F. Rea, of Lafayette, Ala.—Desires to procure the best rice hulling machine in use.

W. W. G., of Va.—It is necessary to have assignments of patents recorded in the Patent Office at Washington within three months after their execution.

A. T. B., of Me.—We are not in the habit of giving certificates to the practical value of inventions, all we say of them is published through the Sci. Am. If we should give a certificate in one case it would establish a precedent for us to give more, and such calls would become numerous. You will see upon reflection that we could not undertake to do this without involving us in trouble.

D. L., of N. J.—You are mistaken respecting the comparison of the water wheel railroad and the wind mill boat. With regard to the boat the resistance was constant, and equal to the power; but on the water wheel railroad of sixty feet incline, the power of the water is continually diminishing on the wheel as it ascends, but not the resistance.

J. H. W., of Me.—By reference to No. 15, this Vol. Sci. Am., you will find a notice of Prof. Gillespie's recent work on surveying, which is the best work of the kind with which we are acquainted.

W. T. C., of N. Y.—We do not know of any publication that treats especially upon stone work, statuary, carving, &c.

P. P., of N. Y.—A rotary blower constructed upon the principle of a propeller, would not embrace the subject matter of a patent. It would not be regarded as novel.

J. P. F., of Ind.—We fully understand the sketch of your alleged improvement in rotary engines. We do not consider it as possessing novelty or utility sufficient to justify an application for letters patent. We have had sketches of rotaries in our hands which presented essentially the same arrangement.

V. C., of Mich.—Herring's work on paper making is an English publication. We saw it noticed in the London *Athenaeum*, but do not know where it can be procured.

G. M., of Wis.—Any lawyer in your town can prepare an assignment to convey back a patent right. We have not a copy of the patent laws to send you. We are entirely out, and do not intend to publish another edition until there is some decision about amending the law during this Session of Congress.

M. W. Jenkins, of Jonesboro, Ala.—Wishes to procure the best lathe for turning wagon spokes. Also the best boring and mortising machine. Will some of our readers please to inform Mr. Jenkins on the subject.

J. & Z., of Va.—Tubular axles and spokes for carriages are not new. There would be no chance for you whatever to procure a patent on them.

J. S. B., of Ill.—The very best way to keep the water in a steam boiler agitated, is to have the feed pump going continually; and be careful in trying the valves and cocks when heating up and working. The Woodworth people assert that Fay's machine is an infringement of their patent, but we are not acquainted with any decision in their favor.

G. K., of Mass.—We are not acquainted with the merits of Clark's water indicator for steam boilers, as made by Messrs. Whiting & Co.

Money received at the SCIENTIFIC AMERICAN Office on account of Patent Office business for the week ending Saturday, Feb. 13, 1856.—

S. H., of Texas, \$30; S. & B., of N. J., \$60; J. C., of Mo., \$35; J. G. Mc.M., of N. Y., \$25; H. B., of N. Y., \$400; A. M., of N. Y., \$50; J. G., of N. H., \$25; H. & A., of Mass., \$25; S. H. P., of Conn., \$25; A. E. C., of Pa., \$20; S. & B., of Pa., \$25; S. G., of Pa., \$30; H. A. C., of Mass., \$30; W. S. G., of N. Y., \$30; W. B. G., of N. Y., \$30; R. A., of O., \$25; I. C. G., of N. J., \$10; T. B. W., of Pa., \$25; W. D. M., of La., \$30; M. & J. H. B. & Co., of N. H., \$30; J. M., of Pa., \$130; S. H. of Ia., \$25; D. H. T., of Mass., \$25; C. & P., of N. Y., \$125; C. W. P., of N. J., \$25; T. J. P., of Ill., \$30; W. S., of Iowa, \$25; A. G., of Ill., \$30; J. C. G., of O., \$12.43; W. M., of N. Y., \$15.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Feb. 16.—

S. H. P., of Ct.; A. E. C., of Pa.; J. H. W., Jr., Tenn.; J. G., of N. H. II. & A., of Mass.; S. & B., of Pa.; J. G. Mc.M., of N. Y.; M. B., of L. I.; D. H. T., of Mass.; J. C. G., of N. J. W. M., of N. Y.; S. H., of Ind.; C. L., of Cal.; A. W., of N. Y.; G. W. H., of N. Y.; T. B. W., of Pa.; J. M., of Pa.; C. & P., of N. Y.; W. S., of Iowa; R. A., of O. J. B. E., of Ia.

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, for each insertion, \$1; 8 " " " " \$2; 12 " " " " \$3; 15 " " " " \$4.

Advertisements exceeding 15 lines cannot be admitted, neither can engravings be inserted in the advertising columns at any price. All advertisements must be paid for before inserting.

PATENT STAMPS conferring the privilege of manufacturing or having manufactured Arthur's Patent Air-tight Self-sealing Cans, will be sold during the coming season throughout the South, West, and South West. These stamps can be sent by mail. For further information address R. ARTHUR, 252 Walnut st., Philadelphia, Pa.

J. BRYAN, Metal, Iron, and Copper Sash Maker, 219 Center st. near Grand, New York. Church, Cotte, and Greenhouse Sashes, Domelights, Skylights, and Ventilators, Store Fronts, Doors, &c. J. B. begs to call the attention of architects, church committees and builders to his metal sashes, which are so well adapted for churches, cottages, and public buildings, their great strength, lightness, and durability making them far more desirable than lead or wood lights. Contracts for supplying and glazing plain enamelled and colored glass undertaken, also orders for wire matting, &c. for church or other windows, on moderate terms, and promptly executed in any part of the United States.

JOURNAL GUARD FOR GRIST MILL SPINDLES—I have applied a device to my mill spindles which effectually keeps all grit and dust from the journal. It also keeps rye and wheat from leaking through the eye of the bed-stone when the box gets loose, as is sometimes the case in all mills. Any miller can apply the same to his mill for 25 cents. By sending a line to my address at West Sterling, Mass., enclosing \$1, I will give a full explanation. L. W. NICHOLS, 24 1/2

REED'S PATENT CHROMOMETER 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.

Table with 2 columns: Engine size, Price. 1-horse Engine \$150; 3 " " 200; 6 " " 300; 8 " " 400; 10 " " 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 TOUSLEY & REED, 95 Maiden Lane, New York. 24 lam U.

TO MANUFACTURERS AND CAPITALISTS The proprietor of a water power, the State of Iowa, situated within 23 miles of the city of Dubuque, which is capable of running fifty pairs of burrs, or machinery of any kind equivalent thereto, is desirous of disposing of a portion of the same to individual manufacturers or a company, for the purpose of securing the erection of factories on an extensive scale. The price or terms are no particular object, and both will be made satisfactory to persons having the means and desiring to invest them in the improvement of this power. Correspondence is solicited. Circulars containing full description of the town and water power may be had of J. B. DORR & CO., 24 3/4 Dubuque, Iowa.

HERVA JONES, Inventor of Randall & Jones' Patent Hand Planer, and proprietor of New York, Michigan, Wisconsin, Minnesota, and Northern Illinois, Superior to all. Machines and Rights for Sale. Agents wanted. Send for a circular. Rockton, Winnetago Co., Ill. 22 5/8

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 consent 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 1/100, 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, Draftsmen, 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 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.

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.

Most of the patents obtained by our foreign country 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, 123 Fulton street, New York; 32 Essex Street, London; 29 Boulevard St. Martin, Paris; No. 3 Rue Therienne, Brussels.

W. M. 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 size and pattern, 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 mangle pumps; also quartz mills and stampers for copper and gold, improved hoisting machinery for mines or iron 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 purchase machinery from us, as not less than one hundred first class engines are kept on hand. With 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 prompt service rendered carried on in this establishment, enable Mr. Burdon to sell 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. 4*

FILMERE & CO., Electrotypers, and Manufacturers of Electrotype Materials, 133 Fulton st., N. Y. Moulding 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 1/2

BALLOONS—Balloons of all sizes made to order, with printing on the inside and outside, and an impenetrable skin of ordinary minds. A 25 feet diameter balloon, all complete for aerial voyages, \$300. Address JOHN WISE, Aeronaut, Lancaster, Pa. 23 1/2 eow

STEAM ENGINE of 100-horse power for sale.—New and made by a celebrated maker.—Will be sold at a bargain for cash only. Apply to J. PECARE, 163 Eater street, New York City. 22 3*

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*

BULKLEY'S PATENT DRY KILNS, by super heated steam, will dry grain, flour, and meal, with out roasting, at a cost of two cents per bushel. Also green lumber in 12 to 20 hours. Circulars sent free on application. Kalamazoo, Mich. H. G. BULKLEY, 23 2*

N. AUBIN'S UNIVERSAL PORTABLE GAS GENERATOR—Patents granted Sept. 23, 1854, and Jan. 8, 1856. For factories, hotels, country houses, villages, &c. Warranted as more simple and economical than any other known apparatus. Cost of gas less than 1/4 of a cent per hour for each 5-foot burner. Can be managed by a house servant, as the joints are never disturbed, either for operation or cleaning, and the construction of the apparatus renders explosion impossible. A gold medal was awarded at the late Fair of the American Institute, N. Y. For works or rights under the above patents, apply to H. C. HAWLEY & CO., Albany, N. Y. 22 4*

CIRCULAR SAW MILLS—of improved construction, lever and pinion set, with guide for saws, furnished ready for the belt, with 4 feet saw \$350, 4 1/2 feet saw \$400, 5 feet saw \$450. One man can cut easily 1000 feet in 12 hours, or 12 feet board in 12 seconds. These mills make lumber at less than half the expense of the up-and-down saw. Steam Engines on iron frame, black finish, of the best quality, with pumps, heaters, fly wheel, crank shaft, pulley, governor and governor valve, sufficient to drive the circular saw mill, \$450.—Engines 30-horse power, \$700; 70-horse power, \$900; 100-horse power, \$1250; with pumps, heater, fly-wheel, pulley, crank shaft, governor, governor valve, &c., warranted perfect—on iron frame. Boilers, flue, and tubular, at reasonable prices. Shingle Saws, Machines of simple and improved set, self-feeding and self-stopping, to cut tamarack, oak, ash, or pine, into superior shingle, 600 to 1000 per hour. Apply to L. A. SPALDING, Lockport, Niagara County, N. Y. 21 4*

SCHENK MACHINERY DEPOT—No. 163 Green-wich street, New York, keeps always on hand Lathes, Planes, 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. 20 6 A. L. ACKERMAN, Proprietor.

STATIONARY STEAM ENGINES FOR SALE—G Horizontal Engines with iron bed frames, and Judson's Patent Valves, good, strong, substantial, plain finish, ed, that will do good service, say from 4 horse power, \$215 to \$300, \$1,037. Pumps, Boilers, and fixtures can also be supplied when needed. Address 2e5wtf S. C. HILLS, 12 Platt st., New York.

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 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

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. 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. Circulars received at our Warehouse, No. 48 Congress st., Boston. 12 6m* WELCH & GRIFITHS.

ROCK DRILL—The American Rock Drill Co. in invite attention to their superior machines, adapted for all kinds of rock work in quarries and mines and especially for artesian wells. They are simple in construction, powerful and accurate in operation, and can be run by hand, steam, or horse power. An engraving and full description appeared in No. 15 of the Scientific American. Apply to T. H. LEAVITT, Agent and Treasurer of the A. K. D. Co., No. 1 Phoenix Building, Boston, 17 3m*

TWO COTTON MANUFACTURERS—VOGT & ZOLLIKOFER, 205 Market st., Philadelphia, offer for sale at manufacturers prices, Waring Mill Hacks of 160 and 120 eyes. A liberal discount for cash will be allowed. 21 3*

VALVE'S CELEBRATED PORTABLE STEAM Engines and Saw Mills, Roadways, Horsepower, Smt Mill Machines, Saw and Grist Mill Irons and Bearings, 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.

IMPORTANT INVENTION—Patented August 14th, 1855. "Garratt's Metal" for Journal Boxes of all kinds. It is anti-friction, absorbs the oil, not liable to break, it can be made cheaper than either brass or Babbitt metal, and after many long and severe tests, has been found to surpass all other metals ever used for this purpose. For the purchase of either State, county or shop rights under this patent, apply to JOS. GARRATT, Senr., Madison, Indiana. 13 3m

1855-6.—WOODWORTH'S PATENT 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 H. BISON, Planing Mills, Albany, N. Y. 14 3m*

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, Forging Pumps, Machine Belling, &c., all of the best quality. Factory West Meriden, Conn. 17 13*

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, and the Judges having jurisdiction of appeals therefrom.

OIL! OIL! OIL!—For railroads, steamers, and 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 of fered 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 of no 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 1/2

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, Sun Office, N. Y.

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. Postage under the present law is as follows: to any post office in the State of New York, 78 cents per year, payable quarterly in advance. Out of New York State, but within the United States, \$1.56 per year, payable quarterly in advance. MOSES S. BEACH, Publisher, Corner of Fulton and Nassau sts.

IMPORTANT TO ENGINEERS AND MACHINISTS—NOTICE—Those wishing to obtain the genuine articles of Metallic Oil and Grease, should send their orders direct to the manufacturer, AUGUSTUS YOCK, N. Y. Office 67 Exchange Place, New York. No agents employed. 1 6m*

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 1/2

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. 10 1/2

POWER PLANERS.—Persons wanting Iron Planers of superior workmanship, and that always give satisfaction, are recommended to the New Haven Manufacturing Company, New Haven, Conn. 19 1/2

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 1/2

HARRISON'S GRAIN MILLS—Latest Patent.—\$1000 reward offered by the patentee for their equal. A supply constantly on hand. Liberal Commission paid to agents. For further information address New Haven Manufacturing Co. New Haven, Conn. to S. C. HILLS, our agent, 12 Platt street, New York. 19 1/2