

TO CORRESPONDENTS.

W. D., of Md.—It is our opinion that a patent cannot be obtained for your process of silverizing glass. The method of applying silver leaf to glass through the agency of gum, size, and a varnish, is well known. Silver leaf is oftentimes applied to glass by sizing, and a backing of varnish put on to prevent moisture acting on it, also to prevent it from being easily rubbed off. The samples which you have sent are very good. The common way of silvering glass reflectors—concave and convex—is by the agency of mercury, on which it is made to adhere to the glass by excluding all the air. This process is unhealthy, but it is very perfect for the purpose. The coating on the back of the silver leaf with paint instead of varnish would not be considered a patentable feature.

J. W. H., of Barkersville.—It appears to us that your mandrel for turning out tapering pieces, contains some novelty, although you cannot expect to cover broad ground in the claim. We do not know of any one who would be likely to become interested in it. Cannot you find some one in your own neighborhood who would lend you some assistance in bringing it out. This we suggest as the best course for you to pursue.

N. P., of Argusville.—Saladee's Coachmakers Magazine is published at Columbus, Ohio.

S. W., of N. Y.—We cannot inform you as to the frog market. You can find out when you come to the city.

P. S., of Va.—Placing a grinding stone on a horizontal axis, and combining it with a concave stone below, so as to grind the grain when introduced between the two stones, is not new or patentable.

C. A., of Me.—Your title of Professor of Perpetual Motions will be truly earned whenever you get one of your self-motors in operation. The correspondent you name had a contrivance for making water lift itself. He said it was sure to work, and wouldn't take "no" from anybody; so we told him to proceed. We say the same to you. Within the last few months we have illustrated one or two perpetual motions by engraving. What a glorious time it will be when perpetual motions come into general use. Steamboats will run without smoke or fuel. The power of the wind, which now drives our ships, will be all wasted. Locomotives will disappear, for the cars will go of themselves. Horses will change from useful to worthless beasts. The lock-makers will do a thriving business, for since all cars and wagons will have power to draw themselves, it will be necessary to lock them up securely when not in use, both day and night, else they might trot off to parts unknown. Our accounts are square.

C. C., of Pa.—We cannot continue your name as a subscriber on the new volume unless you remit the amount of subscription. This is our invariable custom, and we cannot deviate from it in any case. If you wish to make sure of getting a complete volume you should remit the subscription without delay. Many subscribers on the last volume delayed renewing their subscriptions for a few weeks, and were unable, in consequence, to get all the back numbers.

E. F. L., of Va.—Your device for a railroad brake is not new or patentable. Brakes on substantially the same plan have long been known. The brakes now in common use are sufficiently powerful to arrest the wheels and cause them to slide upon the track. There is no trouble in putting power enough on the wheels. What is wanted is some device under the control of the engineer, that shall stop any train moving at the rate of 39 miles an hour, within a space of 75 or 100 feet. Blocking the wheels of the cars will not do this. Your previous letter has been destroyed.

T. F. W., of Leeds, Eng.—Mr. Avery has ordered a renewal of your subscription to the Sci. Am., and the paper will be regularly mailed to your address. We do not know what H. & Co. propose to do in reference to their English patent. It is quite certain, however, that your proposed improvement is not new. The same device is well known here, and a valid patent could not be procured for it.

J. S., of Ill.—The railroad which you propose to build on an elevated track with a central rail, and having the cars suspended on each side, to run trains at the rate of 150 miles per hour is the same as that of Robert Mills, illustrated on page 363, Vol. 8, Sci. Am.

F. C. N., of N. Y.—You cannot make glass without a very high degree of heat in the furnace.

C. W. C., of Phila.—Hog's bristles are composed mostly of gelatine, combined with a little iron, sulphate of lime, some common salt, silica, and manganese. We have no recent analysis of bristles or hair. Most chemists are of the opinion that a correct analysis has not yet been made.

R. S., of C. W.—We are unable to give the information you require in regard to sawing machinery without subjecting ourselves to a considerable outlay of time. You had better write to H. Wells & Co., Florence, Mass.

C. T. Savage of Albany, N. Y., manufactures a very convenient apparatus for heating water for baths. Some of our correspondents have enquired for such an article.

Money received at the Scientific American Office on account of Patent Office business for the week ending Saturday, Aug. 23, 1856—

- O., of N. Y., \$55; W. F. F., of Ill., \$30; R. B., of N. Y., \$25; S. H., of O., \$40; S. B. P., of N. Y., \$25; G. K., of N. H., \$25; C. O. & Co., of M. T., \$25; D. L., of Mass., \$25; S. T., of O., \$30; J. P., of N. Y., \$30; L. A. O., of Pa., \$30; W. W. L., of Miss., \$50; E. B. McC., of Iowa, \$25; J. M. R., of N. Y., \$90; H. R. E., of N. Y., \$25; P. T., of N. Y., \$25; A. E. & W. H. C., of N. Y., \$10; H. R. H., of N. Y., \$20; N. & B., of N. Y., \$30; L. B. F., of N. Y., \$10; A. B., of N. Y., \$30; G. & H., of N. Y., \$25; W. D. M., of La., \$25; W. N. M., of R. I., \$30; W. B. & D. S. B., of Conn., \$30; D. D. of N. Y., \$250; J. M., of Pa., \$25; W. S., of R. I., \$25; W. B., of Md., \$12; E. G., of Ind., \$25; A. R., of Ill., \$25; S. I., of Ill., \$30; J. A. R., of Mass., \$25; J. V. J., of Mich., \$10; B. W., of Mich., \$25; J. P., of N. Y., \$5; W. G. R., of Mass., \$12; D. G., of Ill., \$25; W. G. B., of Ala., \$23; A. O., of N. Y., \$30; G. D., of N. Y., \$30; W. S., of Iowa, \$30; S. W. R., of Mass., \$30; B. B., of N. Y., \$250; J. S., of O., \$30; R. W., of Conn., \$55.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, August 23—

- G. K., of N. H.; R. B., of N. Y.; C. O. & Co., of M. T.; S. B. P., of N. Y.; D. L., of Mass.; W. D. M., of La.; H. R. R., of N. Y.; I. F. B., of Ga.; P. T., of N. Y.; A. B., of N. Y.; H. & G., of N. Y.; E. G., of Ind.; A. R., of Ill.; J. M., of Pa.; W. B., of Ind.; B. W., of Mich.; W. G. R., of Mass.; W. S., of R. I.; J. P., of N. Y.; R. W., of Conn.

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.

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.

Terms of Advertising.

Table with 2 columns: Line length and Price. 4 lines, for each insertion, \$1; 8 lines, for each insertion, \$2; 12 lines, for each insertion, \$3; 6 lines, for each insertion, \$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 long practice, and facilities which few others possess, enable us 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 and in remote establishments, are notified of 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.

American and Foreign Patent Attorneys, Principal Office 128 Fulton street, New York.

POLYTECHNIC COLLEGE of the State of Pennsylvania, West Penn Square, Philadelphia.—Organized on the plan of the Industrial Colleges of Continental Europe, and the only College in the Union in which gentlemen graduate in the industrial professions. Fourth year, commencing Monday, Sept. 15th, 1856. Faculty: Mathematics and Engineering, Prof. S. H. Peabody; General and Applied Chemistry, Prof. A. L. Kennedy; Mechanics and Machinery, Prof. I. H. Bowcher; Geology, Mineralogy, and Mining, Prof. A. W. King; Architectural and Topographical Drawing, Prof. J. Kennedy; Modern Languages, Prof. B. Steinthal and V. De Amarelli. For catalogues and further information Apply to A. L. KENNEDY, Prest. of the Faculty.

1000 YOUNG MEN can make 500 per cent. or over at home or abroad. But small means required. Business new, easy, neat, respectable. For full particulars address (enclosing a stamp) L. L. M. HART, 51 3\* Mayville, Dodge Co., Wis.

R. B. FITTS & CO., Commission Agents for the Management and Sale of American and Foreign Patent Rights, Office, No. 23 Congress st., Boston, Mass. 51 4\*

SWISS DRAWING INSTRUMENTS.—A full stock of these celebrated instruments always on hand. Catalogues gratis. MASLE & WILK, 51 4\* 211 Chestnut st., Philadelphia.

SCHOOL APPARATUS.—Globes, Orreries, Tellurians, Geometrical Models, Dissected Globes, Magnets, Magnetic Needles, Microscopes, Telescopes, Drawing Instruments in Cases, Magic Lanterns, Air Pumps, Electrical and Magnetic Apparatus, &c., &c. McALLISTER & BROTHER, 194 Chestnut st., Philadelphia. 1

GREAT WESTERN MACHINERY AND PATENT AGENCY.—E. B. ELMSWORTH having resigned his interest in the firm, the business hereafter will be conducted under the firm and style of DAVID RICHARDS & CO. We are prepared to sell all kinds of valuable improvements and machinery throughout the United States. For further information address DAVID RICHARD & CO., 51 6\* No. 64 Randolph st., Chicago, Ill.

THE NINTH ANNUAL EXHIBITION OF THE Maryland Institute for the Promotion of the Mechanic Arts will be opened at the Institute's spacious hall, Baltimore, on Wednesday, Oct. 1st, and continue to Oct. 29th, 1856. Goods for exhibition and competition will be received at any time prior to Friday night, Sept. 26th, after which for exhibition only, except such as the Committee shall be satisfied were dispatched in time to have reached the Hall by that day, but failed to do so from unavoidable detention. The co-operation of the manufacturers, mechanics, artists, and the community generally is respectfully solicited. Circulars embodying the regulations and blank applications for space, with all other information, will be promptly furnished by application to John S. Selby, Chairman of the Institute. JOSHUA VAN SANT, 51 4\* Chairman of the Exhibition Committee.

NO. 1.—\$800,000. Valuable to everybody. A few weeks ago CHARLES BRADFIELD, of Philadelphia, opened a new Agricultural Implement Store at Fifth and Chestnut streets. One spacious room he appropriated entirely to new inventions. See below.

NO. 2.—Inventors, Patentees, &c., were all cordially invited to place their models here, free of charge, and the Philadelphia papers say there is already six to eight hundred thousand dollars worth of patents in this room, and visitors from all parts of the world visit there to see them. 51 4\*

1000 YOUNG MEN for big wages. Honest, easy, and sure. Send stamp to Box 533, Detroit, Mich. 51 2\*

THE PATENT DECISION.—To the Editors of the Scientific American.

The statement in your paper of this morning in regard to the verdict of the jury in the case of George Page vs. Georgia, is a perverted one. It is true that the verdict was in favor of the defendant, but not upon the ground stated in the Elmira Advertiser, which you copied. On the first ballot of the jury there were 7 for the plaintiff and 5 for the defendant.—The jury then proceeded to take up each question separately: First, they passed upon the question of priority of invention, and decided in favor of the defendant. The next question was, Did the defendant infringe the patent? Upon this question the jury stood 8 for plaintiff and 4 for defendant, and so stood until 5 o'clock in the morning, and ultimately brought in a verdict for defendant, upon the testimony of one of the witnesses for defendant, who swore that he had tended the mill from the time it started, and that it never had end-play. And as this was the essence of the infringement, and was not proven by the witnesses of complainant that the mill had been worked with end-play, though the fact is notorious that it had been so worked, the jury found for the defendant, though they unanimously decided that the priority of invention belonged to George Page, thereby sustaining the validity of his patent.

GEORGE PAGE & CO., Baltimore, August 2d. 50 4

WOOD BENDING APPARATUS.—Patented March 11th, 1856, for bending plow handles, carriage, chair, boat, ship timbers, &c. This apparatus is simple and inexpensive, can be constructed by the most ordinary mechanic, and operated by hand or power equally well. Apparatus constructed to order and rights to use the same for sale. Address, JOHN C. MORRIS, No. 113 Mill st., Cincinnati, O., or R. GRIFFITH, Troy, N. Y. 50 2\*

A NEW AND SCIENTIFIC INVENTION.—Dr Cheever's Galvano-Electric Regenerator. Patent issued Jan. 15th, 1856. A circular relating to the use of the instrument, embracing a general treatise of atony of the spasmodic organs, the result of which tends to softening the medullary substance of which the brain is composed, may be had gratis, and will be sent to any address by mail by their indicating a desire to receive it. All letters should be directed to DR. J. CHEEVER, No. 1 Tremont Temple, Boston. 51 4\*

ALEXANDER'S COMPOUND Parallel Sawing Machine, for making lath from the slab or board cross-cutting, ripping, and sawing miter, all combined in a cheap, simple and compact manner, is illustrated in No. 50, Scientific American. Sash factories, cabinet shops, carpenter shops, etc., should have these machines. Price \$60. Country and State rights for sale. Address THOS. J. ALEXANDER, Westerville, Franklin Co., Ohio. 50 5\*

TWENTY-EIGHTH ANNUAL FAIR OF THE American Institute of the city of New York at the Crystal Palace.—This magnificent and spacious building will be opened for the reception of Goods from Monday the 15th, until Saturday the 20th of September. Heavy goods and articles from a distance will be received and stored in the Palace on and after the 1st of September. The Managers would mention, in particular, Medals, Diplomas, &c.—will be awarded on the recommendation of competent and impartial judges. The Cattle Show will be held on Hamilton Square, a beautiful plot of ground of ten acres, granted by the Corporation of the City of New York for that purpose, on Tuesday, Wednesday and Thursday, the 14th, 15th, and 16th days of October. The Managers would mention, in particular, the necessity of giving immediate notice of the space they wish to occupy, and those exhibiting machinery requiring power, the amount. From the numerous applications already made, the Managers find it necessary to make further provision for steam power. Communications addressed to Wm. B. Leonard, Corresponding Secretary, will meet with particular attention. Circulars containing full particulars can be had on application at the office of the American Institute, 33 Broadway, New York. GEO. F. NESBITT, Chairman. JOHN W. CHAMBERS, Secretary. 49 3

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 Deystreet, N. Y. 48 10\*

PAGE'S PATENT CIRCULAR SAW MILLS with Steam Engine and Boiler, on hand and for sale for \$1500, at Schenck Machine Depot, 133 Greenwich st., New York. A. L. ACKERMAN. 49 10

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 of every farmer and planter, and is believed to bear superior in every respect to any other machines of the kind now manufactured. See Sci. Am. Vol. XI, No. 30. Circulars, 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\*

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 practical for horse power. For rights and machines address, D. C. HENDERSON, Sandusky, O. 48 4\*

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 BURDUN, 102 Front st., Brooklyn. 41 tf

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 BURDUN, 102 Front st., Brooklyn. 41 tf

WEISSENBORN'S PATENT INCrustation Preventer.—Among the testimonials to the great success of this invention, read the following from William Burdon, 102 Front st., Brooklyn.—"I am perfectly satisfied with its operation. I believe it is the only machine yet invented that will entirely separate lime and other impurities from the water, when using hard water." In addition to this, it is the best water-heater, and a superior condenser. All parties are warned against infringements on the patent. STEWART KERR, Agent. 47 5eow 17 Broadway, New York.

H. WELLS & CO., Florence, Hampshire Co., Mass.—Are at all times prepared to fill orders for any size (single or double) of Wells' Patent (Improved) premium Circular Saw Mills, which take the lead of all other mills in the market for manufacturing lumber. Also Machine Shave Machines, which shave, and joint perfectly, 60 shingles per minute—Self-Setting, Shingle, and Lath Sawing machines, capable of sawing 1000 shingles per hour, or 4000 lath per day. Cuts, and List of Prices sent by mail when desired. 45 6eow

KENTUCKY MECHANIC'S INSTITUTE.—The Fourth Annual Exhibition will commence in Louisville, on Sept. 30th, 1856. Gold, silver, and bronze medals, and diplomas will be awarded for superior articles, and special premiums for the most meritorious.—Competition is invited from every part of the Union. The Hall will be ready for the reception of goods on Sept. 18. Articles for exhibition only admitted free of charge.—Goods must be carefully packed and directed to the Kentucky Mechanic's Institute, care of Carter and Jewett, Louisville, Ky. Persons applying for space or desiring further information, will address D. McPHERSON, Secretary of the Exhibition Committee. 45 4\*oow

PORTABLE STEAM ENGINES.—S. C. HILLS, No. 12 Platt st., N. Y., offers for sale these Engines, with Boilers, Furnace Heaters, &c., all complete, and very compact, from 2 to 10 horse power, suitable for printers, carpenters, farmers, planters, &c. A 1 1/2-horse can be seen in store, it occupies a space 5 by 3 feet, weighs 500 lbs., price \$240; other sizes in proportion. 27 63w

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. Orders received at our Warehouse, No. 48 Congress st., Boston. 44 13\* WELCH & GRIFFITHS.

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 will burn 100 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.—Ingis, 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, made to order. ANDREW INGIS, RICHARD W. CARSON, JOHN WEST. 43tf

CIRCULAR SAW MILLS.—The subscriber has on hand, and is constantly manufacturing those celebrated mills with saws from 30 to 80 inches diameter, adapted to manufacturing most kinds of lumber, and warranted to give satisfaction. For prices, &c., address W. HERRICK, Northampton, Mass. 49 8\*

BARREL MACHINERY.—CROZIER'S PATENT performed, and may be seen in connection with the Barrel Manufactory of the undersigned. For rights and machines address WELCH & CROZIER, 43 18\* Oswego, N. Y.

TWO 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. 43tf

FOR SALE.—One second-hand 7 ft. power Planing Machine, made by the New Haven Manufacturing Co. Cost \$500, will be sold for \$300 cash. Has been used only about four months. Also an upright drill for the same makers. Cost \$90, will be sold for \$40 cash. Address GEORGE S. LINCOLN & CO., Hartford, Conn. 47tf

BOILER FLUES.—All sizes and any length promptly furnished by JAMES O. MORSE & CO., No. 79 John st., N. Y. 51 3mos

WROUGHT-IRON PIPE.—Plain, also galvanized inside and outside, sold at wholesale by JAMES O. MORSE & CO., No. 79 John st., N. Y. 51 3mos

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

THE NEW YORK DAILY SUN for \$2 a year. The miracle of the present age is accomplished by the Publisher of the New York Sun, in furnishing subscribers in clubs of thirty or more with the daily paper for mail for \$2 a year. The Sun commenced in 1833, 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; 15 copies \$41 25; 20 copies \$50; 25 copies \$56 25; 30 copies \$60. Single copies \$4 a year. Sent by mail 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 7 cents per year, and only \$1 50 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 tf

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

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 tf

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 heating 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. 33 tf

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, c/o Office for sale of rights at 27 State street, Boston, and Lowell, Mass. 45tf

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 tf

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

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 tf