Scientific American.

TO CORRESPONDENTS.

W. H. D. of Ct.-We have seen attachments to pia of fortes for turning the leaves of music, sperated by a pedal, but yours may be different from the one we have in mind.

I. S., of O .- Fusible alloy, we think, has been used for the purpose you specify, but if it has not, the use of it for that purpose would not be patentable.

M. W. Jr., of Cala.-Glass is an old device for bearings on light machinery and its adaptation to heavy work would not be patentable. Sewing machines are so numerous that it is difficult telling whose is the best for certain work. See advertisement in another column for a good machine.

8 H., of Ill.-Your sketch presents the well known machine of Blanchard for turning irregular forms, and

J. B., of Pa.-The sketch of the smut machine you enclosed is as familiar to us as that class of machines themselves—nothing new in it.

L. W. N. of Mass.—The sample you have sent us of dust does not contain any gold. The dust of gold is easily detected; it becomes malleable with the blow of a hammer: is ductile, and not brittle, and is generally of a dull color in comparison with the glassy specks in

J. A. L., of Ill.-Poultices of linseed meal are the best remedies that we know of for boils. We do not know of any remedy for your pump; the work is heavy because it is just lifting the water thirty feet high, and it is no easy job to lift three pailsfull that hight.

8. C. B., of Phil.—Yours has been received and will

meet with attention.

I. C., of Vt.-We agree with you as to the cause of the boiler explosion at the Manchester Lumber Company's Works; it was over-pressure. In some boilers a small plate has been applied, the strength of which is placed below that of the boiler, so as to give way by pressure above the standard. In several instances this has been successful.

I. B. C., of Md.-Parker's water wheel is undoubted ly as good as any in use. There are conflicting opinions and interests in regard to such questions. Experience, however, is a good teacher, and Parker's wheel has had a fair share of it. Other excellent wheels can be procured, but as you ask about this particular one we speak of it only. It may not be as good for your privilege as others. A machine moved by clockwork for keeping away insects is not new, but quite old.

John Flynn, St. Louis, Mo.-wishes to obtain information about a drawing instrument called the "Eidograph," invented by Prof. Wallace, of Edinburg. Can some one inform him about it?

8. P. W., of Ohio.-You are liable for the use of the ventilating chimney since the issue of the patent, unless you can prove yourself the original inventor.

H. T. B., of N. Y.-The claims of the patent referred to are for a combination of elements and not for specific devices, independent of the combination. You can use the rotary cutter without danger, it is public property.

W.H.M. of Tenn.—Applications are examined and patents issued in the order in which they are classed, except in cases in which the claims so nearly resemble those undergoing examination, as to render an interference probable : in which case they are taken up and examined. You can sell your machines after filing an application, with safety, providing your invention does not infringe upon any machine already patented. You can sell prospective rights, but of course can give no title which will assure the party purchasing that the invention will be patented. Your third query must be made to some counsellor at law. An engraving of the style and size you specify would cost you about fifteen

W. Mc C., of Pa.-The government fees are the same to all citizens for patents, whether females or minors. Your father would have the control of your patent if you should obtain one, until you came to maturity.

J. R. A., of New York.-There is no doubt but that your plan for constructing and operating fire engines is new and patentable, but we should not like to say it will operate well. We would advise you to construct a model and let us see the operation of the machine.

J. T., of Tenn.-We lack faith in your apparatus for the cure of cholera, and therefore must decline inserting your remarks to illustrate your contrivance.

R.A.G., of N.Y.—Using plank or boards as a substi-tute for the concrete which forms the basis of the Russ or other pavements, would not be patentable.

W. F. R, of Pa.-If the novelty of your invention consists solely in the peculiarity of your cam, it is not patentable. A cam of whatever shape, for producing ever so novel a motion, is not the proper subject of a

W. R. D., of Tex.-We do not engage in the purchase or sale of machinery, and have sent your letter to Mr. Hills, whose advertisement appears in another column, for him to reply to.

J. S. P., of Tex.-We have examined your cotton press, and we see nothing in it of a patentable charac-

T H. M., of Ga.-If you will give the date of the patent you enquire about, we will try to give you the information solicited. Z. B, of N. C.-We have amended your specification

and returned it to the files of the office.

-, of Covington, Ky .- No signature to your letterplease repeat your requests again, as we have not pre-

T. McE. H., of Wis.-We have mailed your note to Mr. S., but do not know anything about his iron houses.,

Money received on account of Patent Office business for the week ending Saturday, Aug. 19:-

T. M., of N. Y., \$30; W. & T., of Del., \$25; J. G. C. of Mass., \$20; G. W. S., of N. J., \$20; J. S. G., of Mich., \$55; E. L. H., of N. Y., \$20; A. D. R., of Mo., \$30; A.E. of N. Y., \$55; H. B., of Ct., \$30; R. D., of Ct., \$30; H. F. B., of Ind., \$25; L. B. D. of R. I., \$20; R. M. S., of N. Y. \$30: H. & B., of Ill. \$30: S. & B., of Mich., \$30: E. C. F., of Ct., \$25; F. & A, W., of Pa., \$300; E. J. P., of Mass . \$20; T. & W., of Mo., \$10; J. W. S., of Ct., \$7; C.

C., of L. I., \$25; E. W. R., of N.Y., \$25. Specifications and drawings belonging toparties with the following initials have been forwarded to the Pate t Office during the week ending Saturday, Aug. 19:-B. H. W., Mo.; J. G. C., of Mass.; W. & T., of Pa; T. P. K., of Pa; H.F. B., of Ind.; L. B. D., of R. I.; E. W. B, of N.Y.; C. O. of L. L; E. O. F., of Ot.; O. A. R., of Iowa; J. W. S., of Ct.

ADVERTISEMENTS.

Terms of Advertising.

4 lines, for each insertion. - 75 cts **\$1 50 \$2 25 \$3 00**

Advertisements exceeding 16lines can ot be admitted; neither can engravings be inserted in the advertising

All advertiseme ts must be paid for before inser

American and Foreign Patent Agency.

MPORTANT TO INVENTORS.—The undersigned having for several years been extensively engaged in procuring Letters Patent for new mechanical and chemical inventions, offer their services to inventors upon the most reasonable terms. All business entrusted to their charge is strictly confidential. Private consultations are held with inventors at their office from 9 A. M., until 4 P. M. Inventors, however, need not incur the expense of attending in person, as the preliminaries can all be arranged by letter. Models can be sent with safety by express, or any other convenient medium. They should not be over 1 foot square in size, if possible.

Having Agents located in the chief cities of Europe, our facilities for obtaining Foreign Patents are unequalted. This branch of our business receives the especial attention of one of the members of the firm, who is prepared to advise with inventors and manufacturers at all times, relating to Foreign Patents.

MUNN & O., Solentific American Office,

DUROPEAN PATENTS.—MESSRS. MUNN & CO. pay especial attention to the procuring of Patents in foreign countries, and are prepared to secure patents in all nations where Patent Laws exist. We have our own special agents in the chief European cities: this enables us to communicate directly with Patent Depart ments, and to save much time and expense to applicants

AMES BOGARDUS—Corner of Center and Duane
streets, invites attention to the Cast Iron Buildings
which he first introduced and patented. The mode of
putting them together is the most simple and perfect of
any yet known. Combining unequalled advantages of
economy, strength, and durability, the most beautiful
and graceful designs, which would be too costly in stone,
can be produced in iron at a trifling expense. They can
be taken down, removed, and re-crected without injury,
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THE NEW BRICK MACHINE—Is now in daily operation at my yard, on Locust Point. If driven by steam, the clay is taken from the bank, passed through a pulverizer, which removes the stone) into the soak pit, where it receives the water, thence to the machine, which is geared to make six and e half revolutions per minute, turning out five bricks each time, or 1.750 bricks an out, including contingencies. Nine men and six boys, all common laborers, take the clay from the pit and place the bricks on the floor. If there be no stone the pulverizer is not required; the clay is then thrown into the pit, mixed with water, and after remaining all night is ready for use. Machine, 3425; Pulverizer, \$75, with right to work it.

50.28 FRANCIS H. SMITH, Baltimore, Md.

NEW PATENT FLOUR AND GRAIN MILL—Patented June 6th, 1854. The subscriberis finishing the following mills: 8 twenty inch, price \$100; 6 thirty inch, \$200; 3 three feet, \$300; 2 four feet, \$400, and will pay \$1,000 for any other mill as durable, simple, economical of power, which will grind as much from one dressing, which will heat the flour and meal as little, and is as easily kept in order. Cuts sent to postpaid applications, and liberal commissions allowed to agents for cash orders. EDWARD HARRISON, New Haven, Conn., July 24th. sole owner of all interest in the patent right.

ACHINISTS TOOLS—SHRIVER & BROS., Cumberland, Md., (on B. and O. Railroad, midway between Baltimore and the Ohio River.) manufacturers of Lathes, Iron Planers, Drills and other machinists tools 50 6 m³

THE SAWYER'S PRIZE—I beg to call attention to the engraving and description of my improved fate for re-action water wheels, as published in No. 48, this volume, Sci. Am. The invention is secured by patent, and I am desirous of selling rights. It is a valuable improvement, and offers a good chance to those who wish to make a good investment. Address me, Viroqua, Bad Axe Co., Wis. H. L. TURNER.

THE NEW BRICK MACHINE—If driven by a horse the clay is thrown into heaps, and each successive layer saturated; after remaining in soak all night it is showleded into the imachine. They were formarly built of two sizes, four and five mold. By a recent improvement the speed of the shaft is increased without changing the gail of the horse, and thus the smaller size can make 1300 bricks perhour, worked by four men and four boys, it is liable to no accident except from stone, which is apt to break a mold. Price \$275. For further particulars in a pamphler containing full instructions on brick burning, address FRANOIE H. EMITH, Baltimore, Md.

ACHINERY.—S. C. HILLS, No. 12 Platt-st., N. Y. dealer in Steam Engines, Boilers, Iron Planers Lathes, Universal Chucks; Power, Hand, and Ratchet Drills; Force and Suction Pumps; Johnson's Shingle Machines; Woodworth's and Daniel's Planing Machines; Dick's Presses, Punches, and Shears; Mortising and Tennoning Machines; Belting; Eegl's Cobb and Corn Mills; Harrison's Grist Mills; Mill Stones Grindstones, &c. Letters, to be noticed, must be post-paid.

ANTED—In a large Woolen Mill in Philadelphia, an experienced Woolen Dyer of good character, perfectly sober, and married,—one who can dye to any shade of color that may be required, with certainty, and keep to a shade without varying, for any length of time. None others than such as above need trouble themselves to apply. Wages liberal. Address with particulars P, Q. R., No. 18 Chesnut street, Philadelphia.

ORTHVILLE MACHINE WORKS—Manufactory of Machinists Tools, consisting of Engine Lathes, Power Planers, Hand Lathes, Engine Lathe for turning chair stuff, all of the most improved patterns and quality of workmanship. Worcester, Northville, Mass. August 9, 1854. TAFT & GLEASON.

ESTABLISHED IN 1796—Philosophical, Mathematical, and Optical Instruments. Our priced and illustrated Oatalogue furnished on application and sent by mail free of charge. McALLISTER & BROTHER, Opticians, 48 Chesnut street, Philadelphia.

PARTITION SELF-ACTING DRILLING MA-OHINES—Price \$250—The best article made; to be seen at the Atlas Foundry, Jersey Oity, N. J. Address & S. John F. Ward & OO.

United States Patent Office.

Notific Petition of Robert L and Francis B. Stevens, of Hoboken. New Jersey, praying for the extension of a patent granted to them on the 25th day of January, 1841, for an improvement in "working the steam valves of steam engines when the steam is cut off and allowed to act expansively," for seven years from the expiration of said patent, which takes place on the 25th day of January, 1855:

It is ordered that the said potition be heard at the Patent Office, on Monday, the 1st of January next, at 12 o'clock M.; and all persons are notified to appear and show cause, if any they have, why said petition ought not to be granted.

Persons opposing the extension are required to file in the Patent Office their objections, specially set forth in writing, at least twenty days before the day of hearing; all testimony filed by either party to be used at the said hearing must be taken and transmitted in accordance with the rules of the office, which will be furnished on application.

The testimony in the case will be closed on the 22d of December; depositions and other papers relied upon as testimony, must be in the office on or before the morning of that day, the arguments, if any, within ten days thereafter.

Ordered, also, that this notice be published in the Union, Intelligencer, and Evening Star. Washimton.

ing of that day, the arguments, n any, when the days thereafter.
Ordered, also, that this notice be published in the Union, Intelligencer, and Evening Star, Washington, D. C.: Evening Argus, Philadelphia, Pa.: Scientific American, New York, and Post, Boston, Massachasetts, once a week for three successive weeks previous to the 1st day of January next, the day of hearing.

CHARLES MASON,
Commissioner of Patents.
P. 8—Editors of the above papers will please copy, and send their bills to the Patent Office, with a paper containing this notice.

OLL! OIL!—For railroads, steamers, and for

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 euro. 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 skillfulengineers 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 everused for machinery." For sale only by the inventer and manufacturer, T. S. PEASE, 61 Main st. Buffalo, N. Y. N. B.—Reliable orders filled for any part of the United States and Europe.

EWING MACHINES—CARD TO THE PUBLIC.
The long protracted legal controversy between Elias Howe, Jr., and I. M. Singer & Co., has been amicably settled. Singer's celebrated Sewing Machines, which have had a constantly increasing sale, notwith standing adverse verdicts and injunctions, may now be purchased and used without any question of the right to use them. We caution the public against buying any of the numerous inferior machines in the market. They all infringe one, and some of them several, of our pactents, and those who attempt to use them will be prosecuted. I. M. EINGER & CO., 323 Broadway.

483°

POWER PLANERS—Those in want of a small Power Planer, which will plane 3 feetin length, 14 inches wide and 13 inches wide and 13 inches deep, and made in a superior manner, will please call at the office of the Meriden Machine Co., 15 Gold. cor. Platt st., New York City or any communication by mail directed to the office or at the factory (West Meriden, Ct.) will meet with proper attention.

ANTIENCE ECHENTIFIC SCHOOL—Harvard University.—The next Term of this Institution will open on the Sist day of August, 1884, and continue 30 weeks. Instruction by Recitations, Lectures, and Practical Exercises, scoording to the nature of the study by Prof. Gray: Ohemistry, Analytical and Practical, by Prof. Hordron; Comparative Analomy and Physiology by Prof. Wyman, Engineering by Prof. Sistist Machematics by Prof. Pierce: Sincralogy by Prof. Cooke; Physics, by Prof. Lovering; Zoology and Geology by Prof. Cooke; Physics, by Prof. Lovering; Zoology and Geology by Prof. Agassis. For further information concerning the School application may be made to Prof. S. N. Horsford, Dean of the Faculty.

Cambridge, Mass., July, 1854.

The ETALLIC OIL—In most of the Fire Insurance in Companies of this city and Philadelphia, parties using Oumberland Brothers Patent Metalic Oil, can effect insurance on their factories, &c. at the same rate of premium as if they used sperm oil. This privilege is extended to no o her oil manufactured for lubricating purposes. For sale in quantities to suit purchasers by YOCKNEY & CO., Elizabethport, N. J., office 67 Exchange Place, N.Y. 45 12*

FOR SALE LOW-A second-hand six horsesteam
Engine and Boiler, with all the fixtures. Address
wm. W. WOODRUFF, New Britsin, Ct.
484*

UNIVERSAL SCROLL CHUCKS—Those in want of a superior article and of verify of a superior article and of various sizes will please call or address at the office of the Meriden Machine Co., 15 Gold st, cor Platt st., New York Oity. 48 3

USEFUL DISCOVERY-For \$1, post-paid, I will send to one address instructions how to draw or mark out a correct scroll of any size and proportions, with the same case and as quick as a circle can be described with the compasses, and the figure will be more regular and equally correct with the geometrical scroll that requires so much time and scientific knowledge to lay out.

A. BELCHAMBERS, Machinist, 48 35*

TRVING'S PATENT SAFETY CIRCULATING
STEAM BOILER—For Stationary, Locomotive, and
Marine Engines. These Boilers having been thoroughly tested by scientific experiment and practical use are
being rapidly introduced into every part of the United
States. Their claims to superiority are fully supported
by the united testimony of highly respectable parties,
who have given them the most successful trials. The
following are among the chief advantages of this Boiler: ist. Great increase of heating surface, with diminution ofbulk. 2nd. Economy of fuel—a saving ofmore
than 50 per cent, being effected overother boilers: 3rd.
Economy of space, compactness, and strength of form.
4th. Increased safety from explosion. 5th. Freedom
from incrustation. Circulars obtained on application
at the Company's Office. Boilers of any required power
furnish ed on short notice. Rights negotiated for all
parts of the United States, England, France, and Belgium. All communications promptly attended to.

W F. PHELPS.

45 Sm⁸ Sec'y Irving S. Boiler Co., 247 Broadway, N. Y.

BUFFALO MACHINERY DEPOT'. JAMES W HOOKER. 36 Lloyd 8t., Buffalo, offers for sake all kinds of machinery, as follows: Engine Lathes, Planing Machines, Universal Chucks, Caststeel Boyers, Drilla, Leather and Rubber Beiting, Packing and Hose Oils, Milistones, Portable and Stationary Engines, Boilers, and Machinery generally.

PATENT ROCK DRILL.—The simplest, cheap-est and best ever offered to the public. For infor-mation apply to A. B. ELY, Esq., Boston, Mass. agent of North American Rock Drilling Company. 43 Sm

HARRISON'S SUPERIOR GRAIN MILLS— Latest Patent of June 6, 1854.—The New Haven Mig Co. having the right for said Mills, will keep a supply constantly on hand. A liberal commission paid to agents for sale of the same. For further information address New Haven Manufg. Co., New Haven Ct. 45tf

MARYLAND INSTITUTE.—Baltimore Sevent:
Annual Exhibition will be opened on the 18th September next, and close on the 16th of October. Olroulars with rules and regulations, and any information required, will be promptly furnished by application to John S. Selby, Actuary of the Institute.

46 6*
THOS. SWANN, Ch. Ex. Com,

TAVE AND BARREL MACHINERY—HUTCH INSON'S PATENT.—This machinery, which received the highest award at the Crystal Palace, may be seen there in operation during the ensuing season. Outting, Jointing and Oroxing Staves and Turning Heads. Staves prepared by this process are worth to the cooper from 20 to 40 per sent more than when finished in another way. Applicable alike to thick and thin staves. Apply to C. B. HUTOHINSON & CO., Autburn, N. Y., or at the Crystal Palace.

ENTICKY LOCOMOTIVE WORKS—Corner of Kentucky and Tenth streets, Louisville, Ky.—The proprietors of the Kentucky Locomotive Works would respectfully inform Railroad Companies and the public generally, that, having completed their establishment, they are now prepared to receive and execute for Locomotives, Passenger, Baggage, Freight, Gravel, and Hand Cars. of every style and pattern, as well as all kinds of Stock and Machinery required for railroads. Particular attention will be paid to Repairing, for which they have every facility. They are also prepared to contract on favorable terms for building all kinds of Machine To ds, such as Turning Engines, Lathes, Planers, Drills, Sbtting, Splining, and Shaping Machines of every variety of pattern. Having also a large Foundry connected with the establishment, orders for castings are solicited, and will be filled with promptness. Oar Wheels of any pattern can be furnished on shortnotice. Double and single plate and Spoke Wheels of all sizes constantly on hand. Communications or orders must be addressed to OLMSTED, TENNEYS. & PECK, Louis, ville, Ky.

Boiler Plate and Sheet Iron, for sale at the lowest marketprices, by G. O. ROBERTSON, 185 Water st. cor. Pire, N. Y. 40tf

JOHN PARSHLEY, No. 5 and 7 Howard st., When, Ct., manufacturer of Machinists' Tools, and Steam Engines, has now finishing off 25 Engine Lathes, 6 feetshears, 4 feet between centers, 15 inches swing, and weighe about 1100 lbs. These Lathes have back and screw gear, librest, with screw feet, and the rest is so arranged that the tool can be adjusted to any point the work may require, without unfastening the tool, hence they possess all the good qualities of the lib and the weight lathe; they are of the best workmanship. Price of Lather with count shaft and pulleys, \$155 cash. Cuts, with full description of the lathe, can be had by addressing as above, post-paid, Also four 30 horse power vertical Steam Engines with two cylinders. Fricoof engine with pump and heater, \$600 cash. For particulars address as above.

PATENT RIGHT FOR SALE.—We are ready to dispose of the Patent Right, (or any part of it) of the best Stone Drilling Machine now in use, or we are prepared to furnish working machines at very reasonable prices, these machines will drill from 1 to 7 inches in diameter, and 100 feet deep, and can be worked by Hand, Horse, or Steam Power, one machine performing the work of twenty-five men. For further particulars and circulars with cuts address JAS. T. WHITTEMORK, Agent American Manufacturing Co., 39 State strett. Boston, 40 tf

EONARD & Wilson-No. 80 Beaver st, and 109 at la sasortment of Machinists' and Carpenters's Tools, embracing every variety of Engine and Hand Luthes, Iron Planing Machines, Mortising and Tenoming Machines, Wood Planers, &c. Also, Leather Belting of all sizes made of the best oak tanned butts, stretched on powerful machines, riveted and cemented.

PALMER'S PATENT LEG—"The best appliance ever inverted." Pamphlets containing the testimonials of the first American and European surgeons, and other information concerning this invention sent gratis to all who apply to PALMER & OO., Springfield, Mass.: or 376 Chesnutst, Philadelphia.

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, 1859, for a Rotary Planing Machine for Planing Boards and Planks, is not an infringement of the Wood Rights to use N. G. Norcross's patented machine can be purchased on application to N. G. NORCROSS, 2008 Broadway, New York.
The printed Report of the case with the oninion of the Court can be had of Mr. Norcross, at Lowell, or 27 State st., Boston.

36 6m*

TEADING'S PATENT CORN SHELLER and Cleaner—capacity 200 bushels per hour. 9 first premiums awarded in the Fall of 1853. Patent Rights and Machines now for sale at the corner of 2nd Street and Pennsylvania Avenue, Washington, D C. I challenge the world to produce its equal. Addresspersonally or by mail. WILLIAM READING. 43 12°

ACHINISTS TOOLS—Power Planers 4 to 16 feet long, weight 1,000 to 10,000 lbs. Engine Lathes, 6 to 15 feet long, weight 1,700 to 8,400 lbs., swing 21 to 38 inches. Hand Lathes, Gear Cutters, Drills, Bolt Cuters, Slide Rests, Chucks, &c., of best materials and workmauship constantly on hand, and being built, also the best Grain Mills in the country, "Harrison's Patent." For cuts giving full description and prices address NEW HAVEN MANUFACTURIN CO., New Haven, Conn.

THE EUROPEAN MINING JOURNAL, Railpaper, forming a Complete History of the Commercial and Scientific Progress of Mines and Railways, and a carefully collated Synopsis, with numerous Illustrations of all New Inventions and Improvements in Mechanics and Olvil Engineering. Office, 26 FleetStreet. London. Price 86 1-2 per annum.

NGINEERING.—The undersigned is prepared to furnish specifications, estimates, plans in general or detail of steamships, steamboats, propeders, high and low pressure engines, boilers and machinery of every description. Broker in steam vessels, machinery, boilers, de. General Agent for Ashcroft's Steam and Vacuum Gauges, Allen & Noyog' 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, etc., etc., CHARLES W. COPELAND, 85 tf Consulting Engineer, & Broadway.

BEARDSLEE'S PATENT. Practical operation of these Machines throughout every portion of the United States, in working all kinds of woud, has proved them to be superior to any and all others. The work they probe superior to any and all others. The work they produce cannot be equalled by the hand plane. They work from 100 to 200 feet, lineal measure, per minute. One machine has planed over twenty millions of feet during the last two years, another more than twelve millions of feet Spruce Sooring in ten months. Working models can be seen at the Crystal Palace, where further information can be obtained, or of the patientee at Albany, N. Y. 276m.

STATIONARY STEAM ENGINES—The subscriber is now prepared to furnish, with our without pumps, boilers, &c., Horisontal Engines on iron bed frames, good strong, substantial plaintinished engines that will 10 good ervice, say from 4 horse 2016 to 30 horse, \$1,007; they have Judson's patent vectors, and will be warranted to work well. 2 Platt st, New York.

B. ELY, Connection at Law, 52 Washington street, Boston, will give particular attention to Patent Cases. Hefers to Messra Munn & Co., Scientific American. 16 by

EYNOLD'S DIRECT ACTION and Re-Action Water Wheel-This is one of the most simple, cheap, and efficient from Water Wheels now in use—for description, cute, £c., apply to SAML. B. LEACH, Agent. 80 Beaverst. N. Y.