TO CORRESPONDENTS.

O. R., of Wisconsin—Wo think you had better go on with your experiments, for a great many patents have been taken out, but none have superseded the old plan. Practice alone will prove the value of your invention; the application of the gas to the lead while in a molten state we think is new. You are the best judge of the utility of the "pelvimetre," being in a position to use it; it is a new device. We do not sell inventions or patents.

U. B. B., of Pa—There appears to be some novelty in your arrangement of a railroad brake; we advise you, however, not to use a rack and pinion, as it might not prove of sufficient strength in an emergency.

H. C. S., of N. H.—The general impression we find to be contrary to our judgment; we do not think the Ericsson applicable to small stationary purposes.

J. P. M., of Vt.—We think your Switch Alarm to be new, and we cannot see why a patent should not be granted; it would be useful if made to operate well.

C. W. B., of Ohio—There appears to be some novelty in your suggestions about flying machines, but we really do not discover in them anything of a valuable or practical character to justify you in doing anything more with the matter.

F. C, of N. C.—We sent you Vols. 5, 6, and 7, in sheets, by mail, on the 9th inst., and credited your subscription up to the end of the present volume.

S. F, of Pa—We have never seen the same plan proposed for working a magnetic telegraph by the train of cars, but a wire telegraph has been proposed to us more than once: the idea is a good one. We cannot furnish the back numbers for the present year.

D. H., of Ct.—Yours has been received and will meet with attention.

G. A. W, of N. O.—We do not know of any patent on the article mentioned in your letter.

J. R. G., of Va.—We have seen a shingle machine constructed upon the same principle as yours, and cannot advise you to make an application.

V. L. C., of Tenn.—We see nothing in either of your inventions to justify an application for a patent; we credit you with $2 on subscription to the Sci Am.

H. A. H, of Ind.—We do not see any chance for a patent on the device for preventing drift wood from lodging on piers, bridges, etc.

R. F., of Pa.—We have no engine of the size you want; $5 received on account of subscription.

J. A, of Conn.—There is no novelty in your oil cup; essentially the same thing was patented last year.

J. R. K., of Geo.—We do not know of any article better than copal varnish for the purpose named.

S. F., of N. Y.—No varnish is put upon the articles you mention—clock work; you must burnish up better; a fine varnish made of clean lac, dissolved in alcohol, is excellent for covering articles that are exposed to the weather.

F. S. C., of Boston—The pressure of water increases with the velocity; how can it be otherwise? Multiply the weight into the velocity, and you have the momentum. Try and press the water in a close full vessel with a velocity of 15 feet per second, and find out the resistance to satisfy yourself.

W. H. P., of Mo.—The only reason we can give for your water not rising above D, is, that there must be a difference of weight in favor of the column of water to be raised in tube E over the inlet tube; a column of inlet water will only balance another of equal weight and no more: a tube of one inch diameter will not force water in a connected tube of two inches diameter up to the same level by its gravity: look into this closely.

J. C. S, of N. Y.—Your plan about the employment of the heated gauze, for the hot-air engine, is the same as that employed by Sir George Cayley, a number of years ago: practically, neither hot air, "dry" steam, nor heated gases answer to work machinery. The increasing pitch answers the same purpose as that which you propose in the propeller; Ericsson's patent embraced the principle of a series of blades having different velocities.

R. M., of Nova Scotia—Your insulator appears to be good, but it surely cannot be made as cheap as a glass one, and cheapness is an important item; in our opinion glass is also a better material.

H. F. S., of Pa—If we obtain the desired information you will see it in our columns.

M. K., of N. Y.—Our books are correct, the notice got into your paper by mistake.

B.F.W., of La.—We have examined the sketches of your alleged improvements in rotary steam engines, and think they embrace novely. You ask us what we think of them: to be candid—not much, and i hey can be made to operate successfully we shall be mistaken.

Money received on account of Patent Office business for the week ending Saturday, March 12:—

J. B., of R. I., $55; S. G. W, of N. Y., $30; W. M. & Co, of N. Y., $57; J. O., of N. Y., $10; A. W. R., of $5; R. M. F, of N. Y., $30; W. H. M., of Ind., $10; C. P., of Mich., $20; H. G. DeW., of N. Y, $30; T. S, of N. Y., $25; L. D, of N. Y., $60; J. N. A., of N. Y., $20; R. P., of Vt., $20.

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

F. H., of Pa.; Y. S., of N. Y.; L. K., of N. Y.; L. D, of N. Y, (2 cases); J. N. A., of Ct.; R. P., of Vt; F. C. G., of N. Y.; C. H. P., of N. Y.

A Chapter of Suggestions, &c.

BACK NUMBERS AND VOLUMES—In reply to many interrogatories as to what back numbers and volumes of the Scientific American can be furnished, we make the following statement:—Of Volumes 1, 2 and 3—none. Of Volume 4, about 20 Nos., price 50 cts. Of Volume 5, all but eight numbers, price, in sheets, $1. Of Volume 6, all; price in sheets, $2; bound, $2,75. Of Vol. 7, all; price in sheets, $2; bound, $2,75. Of Vol. 8, none.

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PORTABLE STEAM ENGINES—The subscriber is now prepared to supply excellent Portable Engines, with Boilers, Pumps, Heaters, etc, all complete, and very compact, say 1, 2, 2 1-2, 3, 4, 6, 8, and 10 horse power, suitable for printers, carpenters, formers, planters, &c, they can be used with wood, bituminous, or hard coal; a 2 1-2 horse engine can be seen in store, it occupies a space 5 feet by 3 feet, weighs 1500 lbs., price $240; other sizes in proportion. S. C. HILLS,
27eoff Machinery Agent, 12 Platt st, N. Y.

FOR SALE—A new Horizontal Steam Engine, complete, with pumps 7 inch bore, 2 feet stroke, well suited for a saw mil; price $25; also one second-hand, nearly new, perpendicular, in iron frame work, complete, with pump and governor, 4 horse power, price, $175: all warranted to work well and of sound materials. Address C. SIMON, Louisville, Ky., (Main between 11th and 12th sts) 27 2*

NORCROSS ROTARY PLANING MACHINE,—Decided by the Circuit Court not to infringe the Woodworth Machine—I now offer my Planing Machines at a low price; they are not surpassed by any machines as to amount or quality of work. Tonguei ing and grooving machines also for sale, doing one or both edges as desired; 80 machines now in operation. Address me at Lowell, Mass.
27 10* N. G. NORCROSS.

WANTED—By a practical mechanic and manufacturer, a situation to superintend a cotton, woolen, or flax weaving and spinning concern, North or South, having a good practical knowledge of the erection of mills, and mill sites, with the recent improvements in machinery for manufacturing purposes; feels qualified to conduct a manufacturing establishment to compete with any in this or any other country. Address 'E. W," box 773, P. O., New York City. 1*

BLACK LEAD CRUCIBLES—The subscriber is now manufacturing and keeps on hand an assortment of the above crucibles for steel melting, brass and other metal workers, which are warranted equal to any now in use. Orders respectfully solicited by DANIEL ADEE, Agent, 107 Fulton street, N. Y. 27 4*

GEAR CUTTING—To order, executed with dispatch, straight, spiral, and bevel, at the machine shop No. 60 Vesey st, N. Y. G. W. WIGHT. 27 4*

LEE & LEAVITT—Manufacturers of every description of Cast Steel Saws, No. 53 Water street, between Walnut and Vine, Cincinnati O. 27 6m*

THE PROPRIETORS OF JAMES RENTON'S Patent, for the manufacturing of wrought iron direct from the ore, are desirous of introducing the invention generally, and invite parties who may wish to negociate for rights for States and counties, or for furnaces, to make immediate application, and to visit the works at Newark and examine for themselves; they are disposed to make liberal arrangements with responsible parties who make an early application. Applicants for rights in the State of New Jersey may address Hon. J. M. Quinby, President of the American Iron Co. Inquiries or application for other States may be made to the subscribers. The furnace which is now in operation at the American Iron Co's works, corner of Parker and Passaic sts., Newark, N. J., is attracting considerable interest. Gentlemen from all parts of the county have visited the works, examined the operation, and express the highest commendation of it. JAMES RENTON, A. H. BROWN, Proprietors, Newark, N. J. 26 5*

HAVING USED A COPY of "Thirty Receipts for Coloring Cotton and Wool," published at Quebec, and of which E. D. Campbell is proprietor for the United States, I recommend to every person who has coloring to do to procure a copy of this work, as I think it the best of any I have ever seen. Having been brought up to the coloring business, and followed it for over twenty years, I deem myself qualified to judge of its merits; the price is a mere trifle compared with the value of the work.
LORENZO HALL.
Peace Dale, R. I.
Enclose One Dollar on any solvent bank to the subscriber by mail, and the above work will be forwarded by return mail, free of postage. Address E. D. CAMPBELL, Campbell's Mills, Windham, Co., Conn. 26 2*

NOTICE TO FOUNDRIES—The subscriber informs his patrons and the public that he is prepared to furnish FACINGS of every description for Foundry purposes, at the shortest notice and on the most reasonable terms. Facings delivered in Boston free of charge. Orders directed to him at Neponset, Mass, will meet with prompt attention.
25 6eow* CHARLES ALDEN.

CLOCKS FOR CHURCHES, COURT HOUSES AND OTHER PUBLIC BUILDINGS, Time-Pieces for Session and Vestry Rooms Hotels, Rail-Roads etc.; Regulators for astronomical purposes, Jewellers, and others, when the most perfect time is desired. The improvements introduced by the subscribers, enable them to warrant an accuracy of time-keeping, unequalled (so far as they can learn) in Europe or America. Glass dials, for illuminating and other kinds, furnished. Address SHERRY & BYRAM, Oakland Works, Sag Harbor, Long Island.
"At the Oakland Works of Sherry & Byram there are made some of the finest clocks in the world."
—Scientific American. 19 13eow

BRIDGEWATER PAINT MANUFACTURING COMPANY DEPOT, 125 Pearl and 78 Beaver streets, New York, have on hand a large supply of this paint, and are prepared to receive orders for dry packages of 200 lbs. and upwards, and in oil of assorted colors in kegs of 25, 50, and 100 lbs. For wood, iron, stone, and brick work, it has no equal. Painters are using it with great success on brick buildings (the natural color resembling brown stone), on tin, canvas, or shingle roofs, villas, barns, fences, depot buildings, railroad cars, bridges, &c; also for decks and bottoms of vessels. The black has been found superior to any other, for hulls of vessels, being more durable, possessing a greater body and cheaper. From its spark and cinder-proof qualities, it is well adapted to all kinds of wood work, where there is danger from fire. Testimonials of its virtues, and specimens on wood, tin, canvas, &c, may be seen at the depot. Letters must be addressed to
25 4* R. BOGERT, General Agent.

TO ARTISTS, DESIGNERS, &c., one hundred dollars premium.—The government of the Massachusetts Charitable Mechanic Association having determined to procure a new diploma to be used at the Exhibition the present year, hereby offer a premium of one hundred dollars for the best original design of one. Artists and others who may be disposed to compete, will please send their drawings to the secretary on or before Saturday the thirtieth day of April next. Each drawing must have some mark upon it, and must be accompanied by a sealed envelope, bearing a similar mark, and containing the address of the party sending it. For the design which shall be adopted by the executive committee the above premium will be paid. The other designs will be returned to their respective owners on demand. Any further information may be obtained by application to the Secretary. In behalf of the Government, FRED. H. STIMPSON, Secretary.
Boston, Feb. 23, 1853. 26 3*

MAXWELL IRON WORKS, 259 Bowery, N. Y. Steam engines, lathes, drilling and planing machines, machinists' tools of every description, printing, lithographic and copperplate presses, bookbinders' cutting and embossing presses, rolling machines and squaring shears, iron backing presses, improved standing press, proof and transfer presses, cylinder newspaper press, self-inking apparatus, and every article in the press line, necessary in a printing office or bindery, made to order, on reasonable terms. All kinds of repairing done with the greatest despatch. N. B—Steam fire pumps made 10 per cent. cheaper than at any other establishment. 26 4*

PATENT LAWS OF THE UNITED STATES, and information to inventors and patentees; for sale at the Scientific American office. Price 12 1-2 cents.

PALMER'S PATENT LEG—Manufactured by Palmer & Co., at 5 Burt's Block, Springfield, Mass., for New England and New York State, and 376 Chestnut street, Philadelphia; in every instance of competition in the Fairs of the various Institutes of this country, has received the highest awards as "the best" in mechanism, usefulness, and economy. At the 'World's Fair," London, 1851, in competition with thirty other varieties of artificial legs (by the best artists in London and Paris), it received the Prize Medal as the best.
25 20* (16e3w)

SPILLARD AND DODGE—Arch Street Hall Brass Foundry, and manufactory of plumbers' brass; water, steam, and gas cock constantly for sale upon reasonable terms; 213 Arch street, Philadelphia, Pa. 25 8*

AARON KILBORN, No. 4 Howard st, New Haven, Conn., manufacturer of Steam Engines, Boilers, &c. Noiseless fan blowers and machinery in general 25 10*

NEW PATENT RIGHT FOR SALE—State rights to make and sell the premium machine for Paring, Coring, and Quartering Apples, &c.; patented on the 25th Jan'y, 1853, and illustrated in No. 23, present volume Scientific American, can be had at reasonable prices by applying, post-paid, to the sole proprietors. SMITH & FENWICK,
25 4 14 Vandam st., N. Y.

COCHRAN'S CRUSHING MACHINE—Can be seen in daily operation in Thirteenth street, between 9th and 10th avenues. Parties in want of a machine for crushing and pulverizing quickly and cheaply Quartz Rock, Iron, Lead, Copper, and Silver Ores, and other mineral substances equally hard, are invited to witness the operation of these powerful and simple, but yet effective machines. For further particulars apply to E. & J. BUSSING & CO, No. 32 Cliff st., Y. N. 23tf

SAND PAPER, GLUE—Excelsior Sand and Emery Paper. ABBOT'S Manilla Sand and Match Papers. Emery Cloth, Emery, Emery Grit, Pumice Stone ground and in lump, of very superior quality; also Glue of all grades, and in quantities to suit purchasers at the lowest manufacturers' prices, for sale by WILLIAM B. PARSONS, 284 Pearl street.
24 8*

PATENT FOR SALE—HOLLING'S Improvements in Hose Pipes, issued Jan. 4, '53, titled Regulating Water-spread for Fire Engines, &c. The above Right, &c, will be sold cheap as the owner is about leaving for Australia. All communications addressed to box 39 Chelsea P. O., Mass., will be promptly attended to. 24 4*

COTTON MACHINERY—Of the most approved plans, from the best shops in the country:—drawings, specifications, and general arrangements for the machinery, furnished at the lowest rates, by W. B. LEONARD, and E. W. SMITH, 75 Merchants' Exchange, New York. 23tf

WOODWORTH PLANING MACHINES, ON hand and manufactured to order, of superior quality, at reduced prices, warranted perfect. Also steam engines and other machinery, by JOHN H. LESTER, 57 Pearl street, Brooklyn, L. I. 22 8*

E. HARRISON'S UNEQUALLED FLOUR AND GRAIN MILLS—Their frames and hopper are cast-iron, and the stones French Burr, 30 inches in diameter; grinds of wheat and corn 20 bushels an hour, weighs fourteen hundred pounds. These mills, constructed upon a new principle, have become widely known, and are producing a revolution in milling. Cash orders promptly supplied, and the mills warranted to work in the best manner. The patentee offers $500 reward for any mill which will do an equal amount of work with the same power and dressing. Made and for sale at the corner of Court and Union streets, New Haven, Conn, by
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BEARDSLEE'S PATENT PLANING Tonguei ing and Grooving Machines—These celebrated machines have now been generally introduced in various portions of the United States. More than thirty are now in successful practical operation in the State of New York alone. As an illustration of the extent of work which they are capable of performing, with unrivalled perfection, it is sufficient to state that, within the last six months and a half, over five millions of feet of spruce flooring have been planed, tongued and grooved by one of these machines at Plattsburgh, N. Y., never running to exceed ten hours a day. The claim that the Beardslee machine was an infringement upon the Woodworth patent, has been finally abandoned; and after the proofs had been taken, the suit instituted by the owners of that patent was discontinued, and the whole controversy terminated on the first of November last. Applications for machines or rights may be made to the subscriber, GEO. W. BEARDSLEE, 57 State street, or No. 764 Broadway, Albany.
15tf

W. P. N. FITZGERALD, Counsellor at Law has recently resigned the office of principal Examiner of Patents, which he has held for many years, and is ready to assist, professionally, in the preparation and trial of patent causes before the U. S. Courts in any of the States, and before the Supreme Court of the United States. He also acts as Counsel in cases before the Patent Office, and on appeals therefrom, but does not prepare applications for Patents. Office corner of E and 8th sts., Washington, D. C. 18 tf

MACHINERY.—S. C. HILLS, No. 12 Platt-st. N. Y. dealer in Steam Engines, Boilers, Iron Planers, Lathes, Universal Chucks, Drills; Kase's, Von Schmidt's and other Pumps; Johnson's Shingle Machines; Woodworth's, Daniel's and Law's Planing machines; Dick's Presses, Punches and Shears; Morticing and Tennoning machines; Belting; machinery oil, Beal's patent Cob and Corn mills; Burr mill and Grindstones; Lead and Iron Pipe &c. Letters to be noticed must be post-paid. 13tf

A. B. ELY, Counsellor at Law, 52 Washington st., Boston, will give particular attention to Patent Cases. Refers to Munn & Co., Scientific American. 16tf

LEONARD'S MACHINERY DEPOT, 109 Pearl-st. and 60 Beaver, N. Y.—Leather Banding Manufactory, N. Y.—Machinists's Tools, a large assortment from the "Lowell Machine Shop," and other celebrated makers. Also a general supply of mechanics' and manufacturers' articles, and a superior quality of oak-tanned Leather Belting.
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PATENT DRAFT BOARDS—With extension scales, sheet fasteners, and T rule. See Reports of Worcester Fair, Maryland State Fair, &c. &c, with their awards. $10 complete. Sent by express Address, post-paid, CHAMBERLIN & CO., Pittsfield, Mass. 16tf

SHINGLE MACHINE—WOOD'S PATENT—JAS. D JOHNSON, of Bridgeport, Conn., proprietor of this justly celebrated machine, is now on a tour through the South western States, and will exhibit the machine in operation in the principal towns and cities. Notice will be given in the local papers where and when it may be seen; he will dispose of machines and rights upon reasonable terms. 20tf

LATHES FOR BROOM HANDLES, Etc.—We continue to sell Alcott's Concentric Lathe, which is adapted to turning Windsor Chair Legs, Pillars, Rods and Rounds; Hoe Handles, Fork Handles and Broom Handles.
This Lathe is capable of turning under two inches diameter, with only the trouble of changing the dies and pattern to the size required. It will turn smooth over swells or depressions of 3-4 to the inch and work as smoothly as on a straight line—and does excellent work. Sold without frames for the low price of $25—boxed and shipped with directions for setting up. Address (post.paid) MUNN & CO.
At this Office.

FALES & GRAY (Successors to TRACY & FALES), RAILROAD CAR MANUFACTURERS—Grove Works, Hartford, Connecticut. Passenger, freight, and all other descriptions of railroad cars and locomotive tenders made to order promptly.
1tf

C. B. HUTCHINSON'S PATENT STAVE Cutting Machines, the best in use, and applicable alike to thick or thin staves; also his Head Cutting and Turning, and Stave Jointing Machines.
For machines or territorial rights, apply to C B. HUTCHINSON & CO., Syracuse, N. Y. 9tf

J. D. WHITE'S PATENT CAR AXLE LATHES—also Patent Engine Screw Lathes, for boring and turning tapers, cutting screws, &c. We manufacture and keep constantly on hand the above lathes; also double slide Chuck and common Hand Lathes, Iron Planers, S. Ingersol's Patent Universal Ratchet Drill, &c. Weight of Axle Lathe, 5,500 lbs; price $600; Engine Screw Lathe, 1400 to 7,000 lbs; price $225 to $675. BROWN & WHITE,
27tf Windsor Locks, Conn.

NEW HAVEN MANUFACTURING COMpany, Tool Builders, New Haven, Conn., (successors to Scranton & Parshley) have now on hand $25,000 worth of Machinist's Tools, consisting of power planers, to plane from 5 to 12 feet; slide lathes from 6 to 18 feet long; 3 size hand lathes, with or without shears; counter shafts, to fit all sizes and kinds of universal chuck gear cutting engines; drill presses, index plates, bolt cutters, and 3 size slide rests. The Co are also manufacturing steam engines. All of the above tools are of the best quality, and are for sale at 25 per cent. less than any other tools in the market. Cuts and list of prices can be had by addressing as above, post-paid. Warehouse No 1, Platt st., New York, S. C. HILLS, Agent N. H. Mach. Co. 19tf

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