

TO CORRESPONDENTS.

B. B. L., Ohio—You must send us a model if you wish a patent to be taken out; no doubt it would be of sufficient importance.

S. D. P., of N. Y.—The law of fluids pressing in all directions, would scarcely apply in the case of steam with an ordinary constructed cylinder, because the sides are rigid and fixed, and therefore, however great might be the amount of pressure, it could not be made available in the manner you indicate.

H. L., of Ga.—There is no hand press made of such dimensions, the only plan would be to have one made for the purpose, by which, of course, you would incur additional expense; even then we do not think that a hand-press would be at all advisable; an adaptation of the cylinder press might, perhaps, answer your purpose.

H. S. W., of Ohio—Your plan is new and patentable, and therefore you are entitled to a patent, but we think it would induce "priming," which is a very great evil.

J. W. F., of Pa.—\$20 are the government fees for a caveat.

J. G. B., of New York—We have received three articles on the same subject; we cannot publish them.

O. P. S., of Ohio—We have before presented the ideas embraced in your letter.

L. D. P., of Ind.—We never publish engravings but once, therefore cannot accede to your request.

S. A. of Vt.—We do not think the agate button is made in this country.

L. M. C., of Canada—There is nothing new in a Thermometer which will show what degrees of heat or cold have been during the past 24 hours. The same thing was shown us some months since.

J. G. S., of Mass.—We would want a more complete description of treating specimens of natural history.

J. F. N., of N. Y.—The same thing has been presented to us a number of times, and is perfectly fallacious; try the experiment, which you can easily do, and you will find out.

J. B. C., of Tenn.—The subject is so abstract that perhaps, not three or four others besides ourselves would be interested in the discussion; we are much obliged to you for your kindness.

G. M., of D. C.—Your last came in time; you will find the article about oxygen being a compound on page 112 Vol. 4, Sci. Am., not Vol. 5, as stated.

W. A., of Pa.—There is no good work on the subject, nor can you find a process for dyeing wool and cloth combined in any book; for some receipts we would charge \$1 but not less than \$5 for others.

J. O. M., of Albany—The same proposition for beds has been proposed to us, you will find that they will not make good cushions; some element more compressible and yet elastic is better.

A. D. S., of Conn.—We suppose that pine, prepared with an aluminous solution, and submitted to a heat of 400 degs., would, after that, stand steam heat of 300 degs.

R. G., of N. Y.—The subject is not worth the time you have expended upon it.

W. K. P., of Mass.—The oxygen of the air would combine with the red hot iron, and soon destroy your cylinders; it would not result in any advantage to employ hot air along with steam.

H. M. H., of N. Y.—It is not so much the oil as the gluten in ivory which gives it a yellow color you cannot remove it by chemicals without injuring its quality; by boiling it in soda the oil will be removed.

C. M., of New York—The gentleman you inquire about lives in the interior of this State; you will find the said volume in the "Society Library," we believe; if not it cannot be found out of Philadelphia.

J. J. L., of N. Y.—We cannot publish your letter, it is too long, and its composition and penmanship exhibit carelessness.

M. L. P., of Texas—From the very nature of the propelling element which you use, an elastic gas, it is not adapted for propelling a vessel.

E. S., of Me.—It should be 1 gallon of water.

F. S. C., of Boston—If the water moves at the rate of 16 feet per second, its pressure will be equal to 15 lbs. on the square inch.

S. H. M., of Pa.—Your criticism upon our remarks on Keeler's Smut Machine are evidently captious and disingenuous. We cannot publish the engraving of your machine; it may merit all the encomium bestowed upon it, but it is too old an invention to be published in our columns.

C. G. E., of N. Y.—You will do well to show your improvement so long as you are in the city.

Money received on account of Patent Office business for the week ending Saturday, Feb. 26:

P. C. of Mo., \$45; J. A., of Ct., \$30; G. D., of N. Y., \$25; G. M., of Ind., \$40; B. & D., of N. Y., \$67; F. B. B., of Me., \$10; E. J. B., of N. Y., \$35; F. F., of N. Y., \$50; R. F., of N. Y., \$30; S. T. S., of Mass., \$30; W. V. A., of N. Y., \$35; W. D. W., of N. C., \$25; D. T., of N. Y., \$30; F. O. D., of Pa., \$25.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Feb. 26:

G. & Co., Paris; P. C. of Mo.; G. D., E. M. W. V. A. E. J., and E. B., of N. Y.; F. O. D., of Pa.; S. T. S., of Mass.; W. D. W., of N. C.; A. B. D., of Pa.

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 four 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.

ADVERTISEMENTS.

Terms of Advertising.

Table with 2 columns: Lines for each insertion, Price. 4 lines, \$1.00; 8 lines, \$1.50; 12 lines, \$2.00.

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.

CHAPIN'S PATENT DUPLICATE TURNER.—For Turning Exterior and Interior Surfaces. The public are hereby informed that the subscriber has obtained Letters Patent from the U. S. P. O., for fourteen years from January 11th, 1853, and that he is now prepared to dispose of rights for any of the States or Territories of the U. S., or for certain districts, cities, towns, or counties, or rights to run single machines, on reasonable terms.

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.

THE PEOPLE'S PAPER—A Mammoth Monthly of 40 long columns, at only 25 cents a year, or five copies for \$1. Affidavit—76,800 circulation. City and County of New York, SS: Charles S. Stearns and Joseph H. Toone, being each duly sworn, deponent and saith, that Seventy-six Thousand Eight Hundred copies of a paper called "The People's Paper" have been printed for the months of January and February, 1853.

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.

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*

ARON 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.

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. 4eow* CHARLES ALDEN.

CLOCKS FOR CHURCHES, COURT HOUSES AND OTHER PUBLIC BUILDINGS. Time-Pieces for Session and Vestry Rooms, Hotels, Railroads, 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

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

TO ARCHITECTS, BUILDERS, AND OTHERS—Messrs. WATSON & HODGSON, Modelers, Designers, &c., respectfully intimate that since they have commenced business they have completed a house, the property of Charles Morgan, Esq., No. 4, Madison Square, north side; any of the above parties may call and see their first essay before the New York public. Decorations of every period, style, and character, accurately executed to order. Place of business 494, basement, and 374 Broadway, up stairs. 23 3*

WANTED—A Pair of Second hand Mules, of modern construction, of 500 or 600 Spindles each. They must be in complete order. Address DAVID FRAINER, Marcus Hook, Pa. 242*

HOE PLATER WANTED—One having a thorough knowledge of the Solid Shank, Cast Steel Hoe Business, can have constant employment, by immediate application to the undersigned, Ballston Spa, N. Y. WHALEN & CO. 242*

CHILD, TANTER & CO., Worcester, Mass.—Builders of Daniel's Planers, with Read's feed motion, and J. A. FAY & CO's celebrated Woodworking Machinery. 24 8*

SAND PAPER, GLUE—Excelsior Sand and Emery Paper. ABBOS'S Manila Sand and Match Papers. Emery Cloth, 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—HALLING'S Improved 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*

FOR SALE—A Bargain—A Good Second-hand Steam Engine of twenty-four horse power, with all the appurtenances; will be sold for about one-third of the price of a new one. Inquire of J. B. BEERS, 49 John street. 24 3*

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

BLACK LEAD CRUCIBLES and Melting Pots of any form, size and quality, made to suit customers, for 3 cents per number, and warranted equal to any of the kind manufactured in the world, by D. H. PURINTON, Somerset, Mass. 23 10*

WANTED—A second-hand Surfacing Machine, in good working order—Woodworth's Patent. Any person having such a machine for sale will please address STARR & STEVENS, Danbury, Conn. 23 3*

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*

MORTISING MACHINE—"Dear Sirs, I received the Portable Mortising Machine about three weeks ago; I have used it, and am very well pleased with it; it is the best plan of a machine of the kind I have ever seen. W. R. McFARLAND, Nashville, Tenn., 1851."

"Since I have been a subscriber to your paper I have purchased one of your Mortising Machines, for which I would not take double its price and do without it. WM. M. FLEMING, Elizabethtown, Tenn., Jan. 8 1853" This machine is simple, durable, and effective, and is boxed and shipped for the low sum of \$20. MUNN & CO.

HORSE STEAM ENGINE FOR SALE—We offer for sale an Engine and Boiler, as follows: 8 horse, horizontal, cylinder 7 inches bore, 16 inch stroke, on a cast-iron bed, fly wheel, driving pulley, governor, pump, pipes, etc.; has never been used. The Boiler has been used by the maker about one year. It is cylinder, horizontal, 15 feet long, 30 inch diameter, has a steam chamber, try-cocks, check and safety valves: price, \$600. Address MUNN & CO.

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 1400 lbs; cash price \$200. 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 EDWARD HARRISON. 20 12*

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

THE TROY IRON BRIDGE CO. are prepared to erect Iron Bridges or Roofs, or any kind of bearing trusses, girders, or beams, to span one thousand feet or under, of any required strength, in any part of the country. Their bridges will be subjected to severe tests, and can be built for about the price of good wooden ones. Address BLANCHARD & FELLOWS, Troy, N. Y. 7 20*

SHINGLE MACHINE—WOOD'S PATENT—JAS. S. 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

BEARDSLEE'S PATENT PLANING Tongue- 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. 18tf

APPLICATION will be made to the Commissioner of Pensions for a duplicate of Land Warrant Certificate No. 63,062, issued by the Department in 1849, to Roxana, widow of Silas Salisbury, late of 2nd U. S. Infantry; said warrant was assigned by her to E. C. Church, and by him to me Oct. 1st, 1849, and was stolen from me the 16th January, 1852, at the Hudson R. R. Depot, New York City. CHARLES L. NIMS, 21 6*

WOODBURY'S PATENT PLANING Machines—I have recently improved the manufacture of my Patent Planing Machines, making them strong and easy to operate, and am now ready to sell my 24 inch Surfacing Machines for \$700, and 14 inch Surfacing Machines for \$650 each. I will warrant, by a special contract, that one of my aforesaid machines will plane as many boards or plank as two of the Woodworth machines in the same time, and do it better and with less power. I also manufacture a superior Tonguing and Grooving Machine for \$350, which can be either attached to the Planing Machine, or worked separately. JOSEPH P. WOODBURY, Patentee, Border st., East Boston, Mass. 13tf

MACHINERY.—S. C. HILLS, No. 12 Platt-st. N. Y. dealer in Steam Engines, Boilers, Iron Pliers, Lathes, Universal Chucks, Drills, Kase's, Von Schmidt's and other Pumps, Johnson's Shingling Machines; Woodworth's, Daniel's and Law's Planing machines; Dick's Presses, Punches and Shears; Mortising and Tenoning 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 Banning Manufactory, N. Y.—Machinists' 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. P. A. LEONARD. 7tf

PAINTS, &c. &c.—American Atomic Drier, Graining Colors, Anti-friction Paste, Gold Size, Zinc Drier, and Stove Polish. QUARTERMAN & SON, 114 John st., Painters and Chemists. 1tf

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, cuttingscrews, &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, 5,600 lbs; price \$600; Engine Screw Lathe, 1400 to 7,000 lbs; price \$225 to \$675. BROWN & WHITE, 15tf Windsor Locks, Conn.

NEW HAVEN MANUFACTURING COMPANY, Tool Builders, New Haven, Conn., (successors to Scranton & Parshey) have now on hand \$25,000 worth of Machinists' 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. 12 Platt st., New York, S. C. HILLS, Agent N. H. Man'g Co. 19tf