

TO CORRESPONDENTS.

W. E. L., of Ohio—You must have been in an extraordinary hurry when you penned your letter. If you made it a business to study such things, you would be more careful in expressing such ideas; and your views, as expressed, are certainly not very clear, although you wrote them "to clear up the subject."

J. V. D., of Ohio.—We receive many letters like yours; there are many men who read considerable, and presume that they can write better than those who study and make it a business. You say that if we had used the word "ground" instead of "principle" in reference to Judge Kane's decision, we would have been saved from a loose style of language. See Webster's dictionary.

J. E. C., of N. Y.—There is nothing new or patentable in your pump, that we can discover. The principle is old and well known.

J. B. F., of Ohio.—We have entered your name upon our subscription books and credited you with the dollar received. Where the evidence is palpable that a person subscribes for the paper, a dollar's worth, for the purpose of getting five dollars' worth of information by letters, he need not feel disappointed if he gets no reply.

E. O., of Ill.—E. Howe, Jr., Chas. Nettleton, J. M. Singer & Co., are manufacturers of sewing machines in this city—all good machines. Wheeler, Wilson & Co., Watertown, Ot., and J. A. Ross, of St. Louis, are also makers, and will give all needful information about prices, etc.

R. B., of Geo.—Letters not signed by the proper name of the writer are not answered or preserved.

E. T., of Va.—Essentially the same plan as yours for operating brakes is described in the caveat of Joseph Marks, filed some months since.

J. C., of Ohio.—We have seen no picture taken by the process of Niepce. none has been exhibited in this city. We would like to see some of your specimens. Your article is in this week; your honor is secure as a discoverer. We could not publish it before.

E. B. R., of Ky.—Your pump is different from any with which we are acquainted, and we have no doubt a patent can be obtained. Still, you should remember that much has been done in this branch, and it is therefore the more difficult to determine accurately.

W. B., of Tenn.—We do not find that Mr. S. has a patent for his mill. We furnish only copies of claims, and have credited you with one dollar on account of further subscriptions. We should think the invention possessed some novelty, but cannot determine without a sketch or a model.

L. B. G., of Pa.—We do not remember to have seen a plough beam like yours. This, however, is not conclusive as to its novelty, because there are many improvements in ploughs with which we are not familiar; in fact, there are so many patents for this purpose, that no one will venture an unqualified opinion.

E. W. H., of Mass.—We will send you a copy of the patent laws as soon as we have them to furnish.

W. H. F., of Mo.—For the very fine list of subscribers sent by you, accept our thanks.

J. T. A., of Va.—We made a similar enquiry some months since for another party, and found that the yellow oak bark under the name of "quercitron bark" is largely shipped from Philadelphia. We cannot learn of its being an article of commerce from this city.

F. B. H., of Ind.—You will not have to make any alteration in patent if issued, so long as you retain in the machine the principle upon which the claims are based. We hope the case will meet attention soon.

G. V. A., of N. Y.—Your improvement in journal boxes appears to be new, and we think a patent can be obtained.

G. M., of Md.—We regret to be obliged to inform you that we have not a copy of either No. 19 or 20 of the present volume on hand.

M. G., of N. Y.—If you insist upon it, we will make an application for a patent for you, but your invention does not possess a feature that is not in common use, and it will be useless for you to maintain a hope of success, if you apply.

N. S., of Mass.—The plan you suggest for obviating railroad accidents, has been tried, but it was found not practicable.

W. A. S., of N. Y.—Your letters of the 27th ult, and 11th inst, were both duly received. The former contained \$10; which we credited to Mr. Sloan; the latter \$1, which was credited to complete your yearly subscription.

J. R., of Mass.—We cannot furnish such a receipt as you want.

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

B. L., of N. Y., \$25; J. P. W., of Mass., \$20; W. J. McA., of Ga., \$24; J. A. R., of Mo., \$25; J. O. C., of N. J., \$10; C. T. of R. I., \$600; J. P. A., of Ct., \$30; G. W. B., of N. Y., \$100; T. J. A., of Ohio, \$55; J. N. A., of Ct., \$30; C. H. P., of N. Y., \$30; J. B. T. of N. Y., \$30; L. B. W. of N. Y., \$10; J. T., of N. Y., \$300; S. W. D. & Co. Mass., \$60. M. B. D., of Pa., \$16; S. B. E., of N. Y., \$30; J. P., of L. I., \$30; J. M. R., of N. Y., \$57; J. L., of L. I., \$27; J. E. N. of N. Y., \$35.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday Feb. 19:

J. L., of L. I.; J. P. W. of Mass; J. E. N., of N. Y.; T. R., of N. Y.; M. B. D. of Pa.; S. C. R., 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 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 3 columns: Lines for each insertion, Price per line, Total 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.

TO CAPITALISTS—The undersigned, believing that he has conceived a practicable method of adapting the Electro Telegraph to the use of all vehicles in motion along specific routes, having constructed a rude model; and successfully obtained a travelling telegraph line—travelling at a low speed—would respectfully tender to any person with Capital, a participation of interest in his invention on the following terms: To any person who will advance the necessary amount of money to secure Patents simultaneously in all the railroad countries of Europe which grant Patents for inventions, he will assign one-half of his interest therein, as he intends to be sure for himself a Patent in the United States, and will bear one-half of the expense of building a specimen for the purpose of proving its entire practicability. The expense per mile, in this country, he supposes would average \$500 per mile; but such a line, when built, would be much more durable than ordinary telegraph lines are; and would subserve all the purposes of any other description of telegraph, with the additional feature of enabling railroad trains and other moving vehicles to maintain telegraphic intercommunication with each other (while in motion), and with stationary offices in the vicinity of the line. To what extent of speed in the vehicle the use of the telegraph is applicable, is a question yet to be decided by experiment in an actual line of this description. Address the undersigned, at Chillicothe, Ohio.

WILLIAM D. WESSON.

BULKLEY'S PATENT DRY KILNS, FOR GRAIN, FLOUR, MEAL AND LUMBER—For sale in any State or town in the Union, BULKLEY'S Patent Grain, Flour, Meal and Lumber Dryers. These Machines kiln dry by steam, heated to 700 or 700, and combining compactness, safety and speed. They are built at less expense, occupy less room, take less fuel and less power, and are less liable to get out of repair than any other dryer. May be built portable or stationary. No danger of fire.

A portable machine now in use, eight feet long, 5 ft. high, and 1 1/2 ft wide, is drying meal at the rate of 50 barrels per day, and cost to build, \$130. Larger sizes and stationary machines cost less, in proportion.

The sap from lumber may be removed from 24 to 48 hours by using the steam at 500 deg. Cost of machine to dry 2500 ft. per day, \$30 to \$40, including cars to pass the lumber in and out of the dryer; may be built of any size. On a late trial 1200 lbs. of water were removed from 1000 ft. of green white wood, in 13 hours. Steam seasoning at 500 deg., increases the strength of lumber 2-5 to 5-9, and it will then take a higher polish.

See description in Scientific American, July 31, 1847. Address H. G. BULKLEY, or Hon. H. L. ELLSWORTH, La Fayette, Indiana.

WATER WHEELS—The Subscribers offer for sale Jagger's Improved French Turbine Water Wheel, which they believe to be unrivalled. Circulars and tables, relating to the same, will be forwarded to any one desiring them. JAGGER, TREADWELL & PERRY, 110 Beaver st, Albany, N. Y.

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.

WANTED—A man acquainted with the manufacture of Iron, as Chief Superintendent in an Iron Manufacturing Establishment in this State. Address IRON, box 80 N. Y. Post Office.

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.

GEAR CUTTING—To order executed with dispatch, straight, spiral, and bevel, at Machine Shop for General Jobbing, No. 60 Vesey street, N. Y.

CHILD, TANTER & CO., Worcester, Mass., Builders of Daniel's Planers, with Read's feed motion, and J. A. FAY & CO's celebrated Wood-working Machinery.

SAND PAPER GLUE—Excelsior Sand and Emery Paper. ABBOT'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.

PATENT FOR SALE—HALLING'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.

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.

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., N. Y.

TO CLOTH MANUFACTURERS AND FULLERS—An experienced German Dyer (well in English) continues to give fair instruction in managing a warm blue vat. Address F. MARWEDEL, 524 Grand st., N. Y.

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.

WATER POWER TO LEASE—We have a surplus of from 6 to 8 horse-power, which we wish to have occupied; is well calculated for a machine shop or any similar business; room 29 by 48 feet, light and airy. Terms \$150 per annum. Address E. & T. W. SHAW, Spring Valley, Green Co., Ohio.

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.

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. PURINGTON, Somerset, Mass.

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.

THE UNDERSIGNED manufacture Patent Cast-Iron Screw Pipes, of 3-4, 1, 1 1/4, 1 1/2, 1 3/4, 2, 2 1/2, and 3 inches in diameter—now in extensive use for gas, steam, and water, being cheaper and more durable than copper, lead, or wrought-iron pipes, and available for the same purposes. This pipe has been largely used in conducting water to railroad stations, also in tanneries, distilleries, pork and sugar houses, in conducting water or steam, and as suction pipe for pumps, for which, where long lines are required, it is peculiarly fitted, from its durability, cheapness, and the excellence of the screw-joints. We also make Solid Hub Railroad Car Wheels, by Murphy's process, using the utmost care in selecting metal for the purpose, with reference to strength and chilling properties. Also small steam engines, mill machinery, cotton presses, tobacco-scissors and presses, laré, timber, and mill screws; force and lift pumps of various sizes and kinds, for hand use or power. Cast-iron railing, Roys & French's Patent Hub Mortising Machine, which will lay off, bore, and mortise a hub of ordinary size in 15 minutes, turning it out completely finished, the mortises having any required disc.

TEVIS & BARBAROUX, corner of Washington and Floyd streets, Louisville, Ky.

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.

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, 16 feet long, 30 inch diameter, has a steam chamber, try-cocks, check and safety valves: price, \$600. Address: MUNN & CO.

MACHINERY, TOOLS, &c.—The subscriber is prepared to manufacture all kinds of light machinery, also Lathes, Slide-rests, and Engineers' Tools, &c, at short notice and on moderate terms. Engineers and inventors giving him a call will have their work got up with accuracy and despatch. S. BENTON, 136 Crosby st., N. Y.

HARRISON'S UNEQUALLED FLOUR AND GRAIN MILLS—Their frames and hopper are cast iron, and the stones French Burr, 30 inches in diameter; grinds 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.

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.

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.

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.

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.

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 Roxena, 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 D. NIMS, January 24th, 1853.

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. 13th

MACHINERY.—B. 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, Panches 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.

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

LEONARD'S MACHINERY DEPOT, 109 Pearl-st. and 60 Beaver, N. Y.—Leather Banding 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.

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.

LATHES FOR BROOM HANDLES, &c.—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.

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.

J. D. WHITE'S PATENT CARAXLE 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. Ingersoll'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, Windsor Locks, Conn.

NEW HAVEN MANUFACTURING COMPANY, Tool Builders, New Haven, Conn. (successors to Seranton & 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 plate, 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. O. HILLS, Agent N. H. Man'g Co.