

TO CORRESPONDENTS.

"J. R., of Mich."—You cannot obtain a good work upon Milling that we know of. The demand for such a work is very limited, and could not pay for publication at present.

"J. P. B., of N. Y."—We have entered your name as a subscriber up to No. 31 Vol. 6., we cannot pay postage on papers in advance.

"E. J. T., of N. Y."—The notice you refer to was copied from the St. Louis Republican, as you will see, and we particularly noticed that the name of the inventor was Jackson, but the place of his residence was not given.

"B. H. B., of Pa."—You will please communicate more fully with us in regard to the subject, or we cannot attend to your enquiries.

"N. W., of N. Y."—We can see no reason why you should not make a claim to the arrangements of the two series of planers. If however the principle is the same as that used for other purposes, no patent could be obtained for this particular application. You had better construct a small model and send it to this office.

"G. F. L., of Ind."—We have no prospectus for either of the publications you refer to. They can be sent by mail; prices \$3 and \$10.

"G. R. B., of Ala."—The timber requires to be sawed into suitable lengths—quartered and steamed before cutting. The latter, although not absolutely necessary, is best, as it makes the article more tenacious when dry.

"D. E. S., of Ohio."—The eccentric bedstead fastener is not new, they have been in use for a long time. We can see nothing patentable in the arrangement shown in your model.

"H. E. A., of N. Y."—No patent could be granted for your pulley; it is a good plan, and the one which should be always adopted in every shop, but it is old and in common use in many places.

"W. McP., of Ohio."—Parker claims two wheels on one shaft, and admitting the water with a circular whirling motion on the wheel.

"S. F., of N. Y."—The average leverage of the crank, three feet, would, by some, be held only 18 inches, but by others, and as we view it, it is one foot 11 6-8 inches leverage.

"E. A. G., of Georgia."—You are correct; the article in the A. M., credited to the "Farmer and Mechanic," is one of our editorials—our articles—we have "the copper coated with iron." The "Mechanic" did not do it willingly. The F. & M. always gets credit for the articles it takes from our columns,—it should in justice give us credit.

"H. A. D., of Vt."—There is no work upon the subject to which you refer.

"A. M. C., of Geo."—We shall be glad to hear from you at any time. You were mistaken in the estimates; the whole apparatus could not be made complete for less than \$800.

"W. J. F., of Pa."—Mr. Guthrie has no patent for self-setting saw mill dogs, that we know of. We think his application was rejected. We have never seen a model of Mr. L.'s water wheel.

"H. C. L., of Pa."—L. & H. Churchill, of Rochester, N. Y., are the agents of Mr. Hibbard's invention.

"G. S. D., of N. Y."—We think Mr. H.'s movements very strange, and unless some party choose to contend with him he can collect damages. A jury might and might not award him damages under the circumstances. We do not know that any thing can be done to head him off.

"E. L., of N. C."—The suit you refer to we think has never been brought to a close. The patent has not yet been extended, and we are of the opinion that it will be doubtful about its success.

"J. H. C., of N. Y."—It appears to us that it could make the tin pill boxes superior and cheaper than the plan now used for that purpose. A trial should be made at any rate, as you say, "if cheaper it is surely beneficial."

"P. H. W., of N. Y."—The process you describe appears to be new and good; the latter point, however, you can better decide by experiment. It is certainly patentable so far as we know.

"M. B. D., of Pa."—We have sought in vain for the specification of the process you refer to. It has never appeared in any of our foreign exchanges, and we intend to write our London Agents in regard to the matter. If we should hear any thing favorable we shall publish it.

"S. K., of Ind."—We shall write you upon the receipt of those papers from the Patent Office, or as soon as we can have time to examine them.

"B. F. G. Jr., of N. Y."—An over-shot wheel would undoubtedly be best under the circumstances. The fair will probably last two weeks.

"A. G., of N. Y."—The Marine Engine is condensing and the average pressure is 10 lbs. to the square inch; stationary high pressure, carry 100 lbs., but there is no average—no general rule; from 30 to 100 is carried. Locomotives work from 70 to 100 lbs. on the square inch.

"J. A. S., of Me."—You ask "how a horse power of a steam engine is reckoned—what it is calculated to do in a given time." It is a mechanical force that will raise 33,000 lbs. one foot high in a minute. Take the pressure of steam on the area of the piston, the velocity, and divide by 33,000 for the horse power, deduct one-tenth for friction.

"H. P. C., of Mass."—We have not the first half of the fourth volume. We have been out of the back volumes for some time.

"J. H., of N. J."—we cannot give you the cost of the water pipes. You had better address Mr. Mayer, 139 Front street, this city, agents.

"E. C., of Ct."—We cannot tell you the price of the zinc paint—but think it can be obtained of the Sussex Zinc Co., corner of Nassau and Liberty streets.

"T. T. L., of Ohio."—The Alcott Lathe is not calculated to turn spokes.

"C. L. L., of Pa."—We do not charge for such advice as you want.

"W. C. H., of Geo."—We have been informed that Messrs. C. & O. manufacture good mills, but we never saw one of them. Sometimes since we wrote them for information, as several inquiries had been made of us,—we have not heard anything from them in reply. One man can operate a shingle machine of the smallest size. A one horse power would be sufficient at any rate.

"W. D. C., of N. Y."—You will ascertain all the information sought for by addressing Mr. Wylie. We have never seen his boilers.

"W. S., of Pa."—We do not think it would be economical to purchase apparatus for making gas for a private family. Dr. Gesner's would be the cheapest one in our knowledge. The "Camera" will be sent according to request and the papers will be sent to each subscriber as per your request.

"W. L. C., of N. Y."—We think your plates are new—and advise you to send a perfect one to this office for examination.

"R. M., of Ohio."—Your paddle wheel is not new, we have seen models constructed exactly like it.

Money received on account of Patent Office business, since Sept. 17, 1850:—

J. P., of Ky., \$30; D. B. H., of Mass., \$30; S. A. M., of N. Y., \$40; G. W. H., of N. Y., \$10; V. H. & N. H., of N. Y., \$30; J. & B., of Vt., \$30, and L. & R., of N. Y., \$30.

To Correspondents.

We have not a few articles abiding their time; our pile has been somewhat large. One article on the Water Light, one on Steam and Water Power, one on Gravitation, and various others, are awaiting their due course. We will try and find room as soon as possible for all that is useful.

Patent Claims.

Persons desiring the claims of any invention which has been patented within fourteen years can obtain a copy by addressing a letter to this office; stating the name of the patentee, and the year the patent was granted (adding the month of the year when convenient), and enclosing one dollar as fees for copying.

ADVERTISEMENTS.

Terms of Advertising:

One square of 8 lines, 50 cents for each insertion.
 " 12 lines, 75 cts., " "
 " 16 lines, \$1.00 " "
 Advertisements should not exceed 16 lines, and cuts cannot be inserted in connection with them for any price.

PROSSER'S PATENT LAP-WELDED Boiler Tubes—Diameter, Number and Length of each at date:—

Inches.	In Stock.	Afloat.
1 1-4	1193	7-0
1 1-2	204	10-6
2	215	30-0
2	1052	12-0
2	349	14-0
2	1161	15-0
2	55	4-9
2	77	4-10 1-2
2 1-4	758	15-0
2 1-2	454	15-0
2 3-4	248	15-0
3	259	15-0
4	4	15-0
5	1	15-0
6	14	15-0

THOS. PROSSER & SON, Patentees, September 24, 1850. 23 Platt st., New York.

Patent Office.

122 FULTON ST.
NOTICE TO INVENTORS.—Inventors and others requiring protection by United States Letters Patent, are informed that all business relating to the procurement of letters patent, or filing of claims, is transacted at the Scientific American Office, with the utmost economy and despatch. Drawings of all kinds executed on the most reasonable terms. Messrs. Munn & Co. can be consulted at all times in regard to Patent business, at their office, and such advice rendered as will enable inventors to adopt the safest means for securing their rights.
 Arrangements have been made with Messrs. Barlow and Payne, Patent Attorneys, in London, for procuring Letters Patent in Great Britain and France, with great facility and dispatch.
 MUNN & CO.,
 122 FULTON STREET, NEW YORK.

TO INVENTORS.—The subscriber wishes to purchase the whole or part of some new, useful and patentable article adapted to the use of housekeepers. Some labor-saving machine that can be introduced into any and every family; a patented article would be preferred. As this article will be sold principally in the States of Ohio, Kentucky and Indiana, it will not interfere with any sales in any other States. Any person having anything new in the housekeeping line, they wish to sell, will please address WILLIAM BURNET, No. 14 East Fourth st., Cincinnati, Ohio. No washing machines, churns or stoves, of any kind, wanted. No letters will be noticed unless the postage is paid. 22*

DUPLICATES OF DRAWINGS.—One hundred or more copies of the drawings required by the Patent Office, can be furnished at short notice, and upon reasonable terms, by MUNN & CO., Scientific American Office, who have made arrangements to duplicate drawings of machinery and inventions, at prices varying from ten cents per copy, upwards.

PATENT METALIC OIL FOR MACHINERY.—Warranted not to gum. Manufactured under Cumberland Brothers patent (April 6th 1849), by C. E. de la Vergne & Co., Elizabethport, N. J. Transparent metallic, adapted to light bearings, spindles, &c., will last a quarter longer than pure sperm. For burning will be found superior. Fluid White Metallic, of the consistence of cream, to be used without wick and tube, adapted to the oiling of engines, shaftings, &c. will last twice as long as pure sperm oil. Hard White Metallic, to be used instead of tallow, will last three times as long; when used in cylinders, the packing must be renewed. Blue Metallic grease, prepared for greasing the inside of boilers when thoroughly cleaned, that the scale which afterwards collects may be removed with one third the usual time and expense. It is also adapted to the greasing of cog wheels; and for the axles of vehicles it has been found to last more than four times as long as any grease ever used for that purpose.
 K. NEDDY & GELSTON, Sole Agents,
 50 3m No. 8 Pine st. New York.

LATHROP'S PREMIUM BEE PALACE.—This Palace is no patent, and no humbug, but for cheapness, neatness, simplicity, durability and perfect adaptation to every want of the Bee, and the interest and convenience of the owner, it has no equal. It has been tested by hundreds of swarms, and proved completely successful, for three years. It has taken a premium at three Fairs; a gold medal has been awarded it by the Mechanics Institute, of Chicago, Ill. It requires no care nor skill in the use of it—all may use it with success. Millions of dollars may be saved annually in our country, which are now lost, by using this Palace for working that most profitable of all insects—the Honey Bee. Engravings, and a specification of this Palace, sufficient to enable any joiner to make it, will be sent by mail, free, to any one remitting \$1 to the inventor, at La Salle, La Salle Co., Ill. D. LATHROP, 13*

A VALUABLE PATENT FOR SALE.—The subscriber offers for sale rights of territory for his patent drawing instrument, (patented Aug. 13, 1850,) commonly called Pentagraph or Delineating Instrument. This instrument is for the purpose of drawing in perspective. It finds a ready sale, especially among the ladies, for the drawing room. It can be made by any ingenious mechanic. For further particulars apply to the subscriber, if by letter, post-paid. ALLEN JUDD, Chicopee, Mass. 12*

IMPROVED STEAM ENGINE FOR SALE.—The subscriber has four of his improved steam engines of three and six horse power left for sale. They are made of the best materials—steel piston rods, metallic packing, heavy iron frames, governors and pumps, all complete for \$135 for a three, and \$225 for a six horse power. Boilers will be furnished for each engine, if required, for \$20 each. JAMES WYLLIE, Engineer, No. 2 Bethune Street, N. Y. 51 4*

12 POWER PLANING MACHINES.—SCRANTON & PARSHLEY, New Haven, Conn. have now finishing off 12 power Planers that will plane 8 feet long, 37 inches wide and 24 inches high; these planers are of the first quality, are self-feeding every way; the table is worked by rack and pinion; the bed is 12 feet long. With each planer there is a splining head and counter shaft, pulleys and hangers. They weigh about 4000 lbs., the price, boxed and ready to ship, is \$635. Also 12 hand lathes, with back gear on iron shears, and legs 7 feet long, swing 30 inches, about 700 lbs. weight—\$75. These lathes are of the first quality. 11

ALCOTT'S CONCENTRIC LATHES.—We have on hand a few of these celebrated Lathes, which the inventor informs us will execute superior work at the following rates:— Windsor Chair Legs and Pillars, 1000 per 11 hours. Rods and Rounds, 2000; Hoe Handles, 800; Fork Handles, 500; Broom Handles, 1600, per 11 hours. 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., 14tf At this Office

A CARD.—The undersigned begs leave to draw the attention of architects, engineers, machinists, opticians, watchmakers, jewellers, and manufacturers of all kinds of instruments, to his new and extensive assortment of fine English (Stubs) and Swiss Files and Tools, also his imported and own manufactured Mathematical Drawing Instruments of Swiss and English style, which he offers at very reasonable prices. Orders for any kind of instruments will be promptly executed by F. A. SIBENMANN, Importer of Watchmakers and Jewellers' Files and Tools, and manufacturer of mathematical Instruments, 154 Fulton street. 1 3m.

TO PAINTERS AND OTHERS.—American Anatomic Drier, Electro Chemical graining colors, Electro Negative gold size, and Chemical Oil Stove Polish. The Drier, improves in quality, by age—is adapted to all kinds of paints, and also to Printers' inks and colors. The above articles are compounded upon known chemical laws, and are submitted to the public without further comment. Manufactured and sold wholesale and retail at 114 John st., New York, and Flushing, L. I., N. Y., by QUARTERMAN & SON, Painters and Chemists 48tf

COTTON, WOOLEN AND SILK MANUFACTURERS' DEPOT.—ANDREWS & JESUP, No. 70 Pine st., N. Y., dealers in articles for the use of Cotton, Woolen and silk manufacturers, and agents for the sale of shearing, carding, burring, napping, wool-picking, flock-cutting and waste machines, regulators, satinet and jean warps, &c. Weavers' reeds and heddles, bobbins and spools, of every description, made to order. Sperm, lard and olive oils and oil soap. 11tf

WOOD'S PATENT SHINGLE MACHINES.—These excellent machines, illustrated and described in No. 23, Vol. 5, Scientific American, are offered for sale in Town, County and State Rights, or by single machines. There are three sizes, the first cuts an 18 inch shingle, price, \$100; 2nd cuts 24 inch, price \$110; 3rd, 28 inch, \$120. Orders addressed to J. D. Johnson, Redding Ridge, Conn. or to Munn & Co., "Sci. Am." Office, will meet prompt attention. The above machine can be seen in successful operation at P. R. Roach's mill, No. 138 Bank st., this city. 51t

MACHINERY.—S. C. HILLS, No. 12 Platt Street, N. Y., dealer in Steam Engines, B. Millers, Iron Planers, Lathes, Universal Chucks, Drills, Essee's, Von Schmidt's, and other Pumps, Johnson's Blasting machines, Waterworks, Daniels' and Lewis' Planing machines, Dick's Presses, Funches, and Shears; Morticing and Tenoning Machines, Belt-ing, 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. 48tf

MATTEAWAN MACHINE WORKS.—Locomotive Engines, of every size and pattern. Also tenders, wheels, axles, and other railroad machinery. Stationary engines, boilers, &c. Arranged for driving cotton, woolens and other mill. Cotton and woolen machinery of every description, embodying all the modern improvements. Mill gearing, from probably the most extensive assortment of patterns in this line, in any section of the country. Tools, turning lathes, slabbing, planing, cutting and drilling machines. Together with all other tools required in machine shops. Apply at the Matteawan Co. Work, Fishkill Landing, N. Y., or at No. 66 Beaver st. New York City, to WILLIAM B. LEONARD, Agent. 40tf

WOODWORTH'S PLANING MACHINE.—For sale, the right to use this justly celebrated labor-saving machine in the following States, viz. Pennsylvania west of the Allegheny Mountains, Virginia west of the Blue Ridge, Ohio, Indiana, Kentucky, Tennessee, Wisconsin, Iowa, Missouri, Arkansas, Texas, Louisiana, Florida, Alabama and Mississippi. For particulars apply to the Proprietor, ELLISHA BLOOMER, 304 Broadway. 51 tf

BRUSH'S IMPROVED DOUBLE-ACTING LIFT AND FORCE PUMP.—From the increased facilities of the subscriber, he is now prepared to furnish, at a reduced price, the most effectual, powerful, durable and yet simple Lift and Force Pump in use. For a house pump, factories, breweries, railroad stations, or any other purpose where a constant stream of water is required, they cannot be surpassed. The public are cautioned against an article purporting to be Brush's Pump, but are invited to call at or address 83 Pike Slip, and get the original. J. A. BRUSH, Inventor. 40 3m*

BURR MILL STONES.—We have made arrangements which will enable us to supply all kinds of French Burr, Holland and Esopus Mill Stones of the best material and manufacture, at the lowest prices. Burr Mill Stones made to order and warranted to be of the best quality; Burr Blocks for sale.—Orders addressed to MUNN & CO., post-paid, at this Office, will meet with prompt attention. 41tf

FOREIGN PATENTS.—PATENTS procured in GREAT BRITAIN and her colonies, also France, Belgium, Holland, &c. &c., with certainty and dispatch through special and responsible agents appointed, and connected to by this establishment.—Pamphlets containing a synopsis of Foreign Patent laws, and information can be had gratis on application to JOSEPH P. PIRSSON, Civil Engineer, Office 5 Wall street, New York. 46tf

BOSTON LOCOMOTIVE WORKS.—No. 360 Harrison Avenue, Boston, manufacture at short notice, Locomotive and Stationary Steam Engines, boilers,—iron, copper, composition and brass castings; copper work; Van Kuren railroad car and truck wheels, and all kind of railroad machinery. DANIEL F. CHILD, Treasurer Boston Locomotive Works. 11tf

PATENT SELF-ADJUSTING WRENCH.—The Subscriber having obtained Letters Patent on his improved Self-adjusting Wrench desirous to sell rights or arrange with some manufacturer to furnish his Wrench to the trade. Address ADAM HAY, 14 Allen st., Newark, N. J., post-paid. 50 4*