

TO CORRESPONDENTS.

"J. R. G., of N. C."—The over-shot is the best, but it is the most expensive wheel. You have not, however a two horse power of water, and we would not advise you to put up a wheel, unless it is for a farm house: then put up a re-action wheel.

"B. P. & P., of London."—We are awaiting the result of Mr. C.'s case and shall advise you how to proceed as soon as the issue is determined, which we hope to receive by next steamer.

"S. H. J., of Iowa."—Your business can all be transacted by letter, just as well as though you were here in person. Short printed letters are best and more easily understood.—You had better have your invention published in the Sci. Am. It will do you good.

"C. O. J., of S. C."—Your remittance of \$15 came safe and has been credited to each subscriber for the next Vol. We are glad to see you early in the field. By the aid of our numerous friends throughout Uncle Sam's wide domain, we hope to double our list of subscribers. Personally we could not object to it.

"L. E. P., of Mass."—It is no such thing. The power would be diminished by the immense friction, a point which you have failed to consider. Your last proposition is far more reasonable but the device is well known to engineers, and has been used extensively.

"N. J. W., of Mass."—We are of the opinion that you had better not file a caveat, providing you can construct a model without much delay. \$20, received and credited.

"Z. A., of N. Y."—We are ready to take your case in hand, and request that you forward the model without delay. Our facilities for obtaining foreign patents are unsurpassed by any house in this country. We have concluded our arrangements for securing Letters Patent in every country where the right is recognized, with the utmost dispatch and at prices much less than are usually charged for such business.

"A. J. C., of Geo."—You had better advise us what sized "Burr" you want. The prices vary in proportion. We warrant them to be of the best quality.

"G. E. R., of Conn."—You have too many irons in the fire. Would it not be much better to secure some one of your inventions before puzzling your brain about so many. Depend upon it you will never complete any of them by dodging from one to another, as you state. This is plain but good advice.

"T. P., of Canada."—Your subject will engage our attention early next week. We shall write you the result. You have a wrong idea about the American law.

"G. R., of N. Y."—We cannot supply you with the back numbers complete.

"B. W. W., of Tenn."—In answer to your favor of the 17th ult., we would state that there are several machines in use of the first mentioned by you, and we know of two excellent ones of the second. We hope to deserve your compliments.

"A. C. P., of Geo."—Your fine list of subscribers has been received, for which we desire you to accept our thanks. We have placed the \$27 to your credit.

"E. A. D., of N. Y."—It is to be regretted that so many explosions take place. We consider it a duty of ours to do all we can to prevent such catastrophes. You are in error about the Hague street explosion. It was not limited to 50 lbs., but should have been.

"W. H. of Indiana."—We only referred to the one constructed before application was made for your patent. Your private account of the affair sets the matter in a different light. We will give the subject more attention.

"J. R., of Mass."—Did you ever pay attention to the manner of a file temperer at his business? If not, you should; as much depends upon the degree of heat, as any thing, and the eye is alone the true judge of that.—The sulphuric acid would produce the very opposite effect desired. The thing is to have the mixture cold—use salt and sal ammoniac—use it when the mixture is dissolving; don't let it stand long.

"P. W. & J. H. B., of Wis."—We know of no Level altogether, like yours. We believe it to be patentable.

"L. Y., of N. Y."—Your instrument for Locks must be patented by itself—this is the way we understand your letter.

"J. W., of Wis."—The invention of the horse-shoe appears to be patentable. There is an index for the last two volumes at the end of each.

"J. B., of Conn."—It is our opinion that the hydraulic press would not answer for your purpose—its operation is too slow. We may be mistaken, but we think not. If it produces the effect stated, it will be patented.

"C. B. H. & G. B."—Your papers have been sent to the Patent Office.

J. R., of Ohio; T. H. of N. Y.; O. W. W., of N. Y.; J. A. P. of Me.; C. D., of Pa.—

Your specifications were forwarded to you for signature on the 8th:—please execute and return them as soon as possible.

Money received on account of Patent Office business, since July 3rd, 1850:—

W. H. S., of Phila., \$10; D. W., Jr., of Mass., \$30; F. C. A. of Ky., \$30; H. H. M., of Ill., \$50; L. H., of Ohio, \$50; N. J. W., of Mass., \$20.

Several of our correspondents will be disappointed not to hear from us this week; we shall reach you early, by letter or through our next paper; don't be discouraged nor wax wrathful. It is dangerous to get into a passion during such warm weather.

We are indebted to Mr. W. W. Gallae, Editor and Proprietor, for a copy of the San Francisco Letter Sheet of Prices Current of June 1st.

Back Volumes Scientific American.

We are obliged to inform our patrons that complete sets of all the past Volumes are entirely exhausted. We have a few incomplete sets of Vols. 2 and 3, comprising about 50 Nos. of both Vols., which may be had by remitting one dollar, and we have sets of above 40 Nos. each of Vols. 3 and 4 which will be forwarded by mail on the receipt of one dollar for each set. Those desiring to secure Vol. 5 but have delayed subscribing at first, are advised to remit \$2 without delay or they may be disappointed in getting a volume at all, should they wait until the Nos. are all published?

An Improved Straw Cutter.

We have for sale a most excellent Straw Cutter, constructed upon an entirely new and improved principle. It was left at this office by the inventor, who wished us to dispose of it for him. It is easily kept in order and executes very rapidly. Price \$12, carefully boxed. Address Munn & Co.

Important Notice to us!

Whenever any of our friends order numbers they have missed—we shall always send them, if we have them on hand. We make this statement to save much time and trouble, to which we are subjected in replying, when the numbers called for cannot be supplied.

PROSSER'S PATENT LAP-WELDED

Boiler Tubes—Diameter, Number and Length of each at date:—

Table with 3 columns: Inches, In Stock, Afloat. Rows include 1 1/4, 1 1/2, 1 3/4, 2, 2 1/2, 3, 3 1/2, 4, 4 1/2, 5, 6.

THOS. PROSSER & SON, Patentees, July 9th, 1850. 23 Platt St., New York.

VON SCHMIDT'S CENTRIFUGAL PUMP.

These superior pumps, which took a Gold Medal at the Fair of the American Institute, in 1845, and a Diploma in 1849, illustrated and described in No. 19, Vol. 5, Scientific American, are offered for sale by the subscriber, of a capacity to throw from 40 to 5000 gallons per minute. A great many certificates can be shown from gentlemen who have them in constant use. State, county, and town rights for sale. Address, post-paid, DANIEL BURR, 70 Pine st., New York. 424

IRON FOUNDERS FACING DUST.

An approved article of Sea Coal Dust to mix with moulding sand; also superior Charcoal Foundry Blacking, Lehigh Blacking, Soapstone and Black Lead Dust, Fire Clay, &c.—for sale by G. O. ROBERTSON, City office 4 Liberty Place, (formerly Little Green street), near the Post Office, N. Y. 374eow*

ADVERTISEMENTS.

Terms of Adverting.

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.

Patent Office.

128 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 caveats, 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., 128 Fultonstreet, New York.

A LIST OF VALUABLE SCIENTIFIC AND MECHANICAL BOOKS,

- FOR SALE AT THE SCIENTIFIC AMERICAN OFFICE. Ranellet's Architecture, 2 Vols., bound, \$12.00 Munroe's Drawing Book, 3.00 American Steam Engine, Plate and Book of Description, 1.00 Scientific American, Vol. 4, 40 Nos., unbound, 1.00 Scribner's Mechanics, Tuck, Gilt, 1.25 Treatise on Marine and Naval Architecture, published monthly, 12 Nos., each .75 Leonard's Mechanical Principia, 1.50 Mahan's Civil Engineering, 3.00 Morfitt's Chemical Manipulations, 2.50 Annual of Scientific Discovery for 1850, 1.00 Duggan's great work on the Stone, Iron, and Wood Bridges, Viaducts, &c., of the United State's Railroads. Published monthly in parts to be completed in 12 parts. Parts 1, 2, 3, 4, 5 and 6 now ready, each .75 N. B. This work is supplied to subscribers only. Graefenberg Manual of Health, (noticed in No. 41), an excellent work, bound, 75cts., unbound, .50 N. B. The latter sent by mail. Foote's Counterfeit Detector, a new and enlarged edition, with glass, mailable, 1.00

JOHN H. LESTER—Manufacturer of Woodworth's Planing Machines, Steam Engines, and Boilers, Sugar Mills, Slide Lathes, Iron Planing Machines, Iron and Brass Castings of every description. Planing Machines of all sizes and with all the latest improvements constantly on hand or made to order at the shortest notice, with Steam Engines, Boilers, Shafting, and every kind of machinery necessary to fit up planing, sugar or saw mills. Orders by mail or otherwise will receive prompt attention. Office 192 Fulton st., N. Y. Factory and Foundry at Hastings upon the Hudson, 20 miles from the city by H. R. Railroad. 404*

TO MACHINISTS.—A superior iron power Planing Machine for sale, by Faulkner & Lewis, S. W. cor. of Hamilton and Nixon sts., near Fairmount, Phila., will plain 6 feet by 27 inches wide and 24 inches high, weighing 23 cwt., will plan nearly 3,000 sq. in. in 10 hours; it is finished in a superior style and built on the most approved principle. Will be sold cheap. For particulars please call or address as above. Also steam engines and lathes built to order. 404*

TO LUMBERMEN.—The subscribers have obtained a patent for an improved mode of hanging Mill Saws, in which the saw is self-adjusting and self-straining, and is as easily kept in order as any other mill. We dispense with the old frame or gate entirely, thereby saving one-third of the power and three-fourths of the wear and tear incident to the old fashioned mills. These machines will be kept constantly on hand for sale. Letters post-paid may be addressed to us concerning this improvement or for territory, at Wilkes Barre, Pa. 414* E. H. & S. E. PARSONS.

WOODWORTH'S PATENT PLANING Machine 1850 to '56.—Recent decisions having finally established all the claims of this patent, the subscriber is prepared to dispose of the right to use the machine in the unoccupied Counties and Towns in the State of New York and in Northern Pennsylvania. These machines as made by the subscriber alone operation reduce to a thickness, plane tongue, groove, head and rabbet all kinds of lumber in a better manner and four times as expeditiously and cheaply as such work can be done by hand or by any other machine. For exclusive or single rights, apply to JOHN GIBSON, Planing Mills, Albany, N. Y. 376eow*

CLOCKS FOR CHURCHES, PUBLIC Buildings, Railroad Stations, &c.—The subscriber having made important improvements in the construction of Clocks, especially in the apparatus for counteracting the influence of the changes of temperature upon the pendulum, and in the retaining power, (which keeps the clock going while being wound up,) together with a most precise method of adjusting the pendulum to correct time, are prepared to furnish time-keepers of a very superior quality, both for accuracy of time-keeping and durability. They speak with confidence, from having tested their performance for several years. The terms of payment will be so arranged as to afford purchasers ample opportunity to test their qualities. Address SHERRY & BYRAM, Oakland Works, Sag Harbor, Long Island. 403meow*

STEAM ENGINES AND BOILERS.—The undersigned has for sale one engine of 12 horse power, 1 of 6 and 1 of 5 horse power, new and of good quality; also one second-hand engine and boiler, 14 horse power, for \$950, in good repair; 1 of 6 horse power, in good working order, with boiler, for \$300. Steam Boilers made to order at the lowest cash prices and of the best materials; also planers, fan blowers, heaters, pumps, shafting pulleys, &c., at No. 4 Harvard st., New Haven, Ct. AARON KILBORN. 426*

JUST ISSUED—A new edition of Minifie's Mechanical Drawing Book, substantially bound in paper, which can be forwarded through the mail.—Price \$3. For sale by MUNN & CO., Agents, New York. 42tf.

COTTON MACHINERY FOR SALE.—All the machinery belonging to a cotton factory now in operation, consisting of pickers, cards, mules, drawing frames, looms, &c. &c., all in good running order, and for sale cheap. Apply to ANDREWS & JESUP, No. 70 Pine st., N. Y. 413

NEW STYLE AND IMPROVED SLIDE LATHE.—SCRANTON & PARSHLY, New Haven, Conn., will sell the best slide Lathe for \$150 to \$200 less than ever before sold. They are built in the most substantial manner—the heads geared and arbors large and of the best cast steel; the slide rest is held to the bed by guides, fed by a screw 2 in. diameter, and feeds from 50 to the in. to 5 1-2 in. pitch, working several hundred different pitch threads within these extremes. Besides the regular lathe feed it has the facing up feed. It is admirably adapted for holding and boring boxes, cylinders and turning and cutting screws. One extra large size face plate, centre rest and reversing pulleys go with each lathe. The 12 ft. lathe weighs 4000 lbs. turning 8 ft. 5 in., price \$450. The 15 ft. 7 in. lathes 4500 lbs., turning 12 feet, \$500, swings 26 in. For further particulars address as above, (p. p.) Other lathes for sale as heretofore. 34tf

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, 500; Fork Handles, 500; Broom Handles, 150, 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., 141t At this Office

TWO 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 363m

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. 40tf

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, woolen 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. Works, Fishkill Landing, N. Y., or at No. 66 Beaver st. New York City, to WILLIAM B. LEONARD, Agent. 40tf

MECHANICS' FAIR AT BOSTON.—(To be held September, 1850.)—The New England Patent Agency, Haskins building, Boston, will receive patented machinery, or other articles, place the same in the above Fair, and take orders for them, or dispose of the Right, for a reasonable commission. They will also, if desired, exhibit them before or after the Fair, at their own spacious rooms. Storage free, and no expense charged except freight and cartage. Inventors should lose no time in forwarding their articles. DARIUS WELLINGTON, Agent 395 New England Patent Agency.

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, 23 inch, \$120. Orders addressed to J. D. Johnson, Easton, Conn., or to Munn & Co., "Sci. Am." Office, will meet prompt attention. 36tf

MACHINERY.—S. C. HILLS, No. 12 Platt Street, 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 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. 33tf

IMPORTANT NOTICE.—The right to manufacture a recently patented improvement in fire-arms is offered for sale; the invention is one of the most useful ever made in this branch of the art, out of which the purchaser can realize from 90 to 100 per cent. profit. The owner is unable to supply the great demand, and is anxious to dispose of rights on that account. For particulars address or enquire of AUGUSTUS COLSON, No. 33 Coenties Slip, N. Y. 422*

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

IMPORTANT INVENTION.—GURLEY'S beautiful and unique machine for gumming saws, noticed in No. 50, Vol. 4, Scientific American, is now offered to the public as a most important desideratum for saw manufacturers and all who use saws, as they can gum the teeth with very little trouble.—Orders addressed to G. A. KIRTLAND, No. 205 South street, (p. p.), will meet prompt attention. 36tf

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, by, and connected only with this establishment.—Pamphlets containing a synopsis of Foreign Patent laws, and information can be had gratis on application. JOSEPH P. PIRSSON, Civil Engineer, 33tf Office 5 Wallstreet, New York.

TO THE THINKERS OF NEW YORK. KNOX is desirous that every rational man in want of a hat, should, for a moment, think before deciding where they shall supply that want. KNOX thinks that 128 Fulton st., is just the spot. 385*