

TO CORRESPONDENTS.

"J. C. P., of Tenn."—We can forward you all the Nos. of Duggan's work: subscription price \$9.

"R. C. M., of Ill."—We think we have published all we care to at present upon the subject. \$1 received and the numbers sent.

"A. W. P. of O."—We have not heard that your application has been neglected, and we should be quite as likely to hear of it, if it met such a fate, as your neighbors. Tell your friends that refrigerators is too cool a subject to worry about this hot weather. We are expecting to hear from your case daily; you can manufacture and sell without invalidating your rights to a patent in the least, and we should advise you to do so.

"S. E. C., of Mass."—If you can arrange friction rollers so as to totally annihilate friction, you have the most important invention yet discovered. There are many combinations used to diminish friction, but none that approach to annihilating it.

"A. A. D., of Miss."—Your revolving hoe appears to be new and patentable. The best thing for you to do is to send a model. We will inform you of the way by letter. If you send a little better drawing on one sheet, and a more full description, we could file a caveat.

"S. O. L., of Ohio."—Your boiler is certainly different from any we have seen, but is it not very expensive to make and complicated. To us it would appear to have advantages in the rapidity with which you can generate steam and get it up. These are, no doubt, important advantages, and should be secured by patent. The first thing for you to do is to make a model, and employ an agent to do the business, as drawings and duplicates will have to be made.

"A Mechanic, Weare, N. H."—Had you signed your name to the letter which you sent us, it would have been answered according to the best of our ability, but as no proper name was attached to it, your communication has been consigned to oblivion. When will you learn, with others of our correspondents, that no letters can receive replies from this office unless the writer attaches some other than an anonymous signature?

"F. L., of N. Y."—The pressure rolls, independent of feeding, are claimed in the Woodworth patent, and Mr. Gibson would surely be successful if you contested the right with him.

"H. W. G., of N. C."—Hurriedly we would say, do not let the steam enter the liquor for distilling. The spirit could be driven off, however, by a steam pipe or a coil in the still.—You will hear from us soon.

"W. H. N., of Tenn."—We do not see where a claim could be instituted, and there is nothing in the way of your using it freely. You cannot rip larger timber than of the conjoint diameter of the two saws. The principle of arranging them as adopted by you, has long been known. The changing of the speed of the saws is a common arrangement and could not be patented. So far as we understand it, and we believe we comprehend it all, you can use it freely, but could get no patent.

"D. B., of N. Y."—Your door hasp does not present anything patentable, and we could not advise you to spend any money on the same.

"T. J., of N. Y."—We are much obliged to you for your kind letter—will try and answer you soon. There is a good pump named Stiven's: see our advertising page.

"J. S., of Ky."—We would have published either one or other of your articles, but they were so long that we did not like to occupy the room, and the last one would cost considerable for an engraving. On your side we have given always a favorable opinion.

"E. G. W., & G. F., of N. Y."—We believe the rim is patentable, but we do not see how any claim can be made upon the bevel gearing.

"A. W. McD., of Va."—There is not a single work on the subject to show the relative value of steam and water power. The market value of the power, is what will have to be decided on.

"S. R., of Md."—We believe your instrument is patentable; you will hear from us in a short time.

"A. C. L., of Mich."—We did not know that Mr. Bolles had a patent; you can easily ask him to show it you; perhaps it was secured long ago. We do not see anything in his or yours that we could consider patentable for the whole operation is well known in other machines.

"B. T., of Me."—There seems to be decided novelty in your invention, but it is a matter of doubt with us whether you had better patent it or not. If you desire to control the entire practice, the secret could be kept better without than with a patent; of this, however, you are the best judge.

"G. D., of Va."—Much will depend upon your management. We cannot advise in the premises, not knowing either party.

"A. M. W., of Mass."—We will look into the business further, and speak if necessity occurs. We mean to be well advised on the point.

"J. A., of N. Y."—Your letter has been filed away. Of course we are not at liberty to enter into any controversy with the parties:—your letter is not the first we have received in regard to the same subject.

"W. W. H., of Pa."—Yours of the 12th has been received; we shall examine the matter when the time comes round.

"J. D., of Pa."—Your model had not arrived when our paper went to press.

"J. C. O., of R. I."—Your article has been examined; we cannot publish it, because we know it to be contrary to the facts in the case. Our columns are not open to malignant imputations against any one—facts we must have.

"E. P., of Ind."—You are mistaken about the "gutta percha;" it is the sap of a tree, and abounds in the island of Singapore and in the Malayan Peninsula. It is not found in this country as you suppose.

"J. M., of Mo."—An octagon is a plane geometrical figure contained by eight sides, and consequently having eight angles. When the sides and angles are equal, the figure is a regular octagon.

"C. E. A., of N. Y."—We are not aware that such a proposition has ever been made; if it has we have entirely forgotten the date. It could not be accepted at any rate, it being of no practical utility.

"O. S., of Tenn."—Your idea strikes us very favorably, and we have no idea but that you would be able to obtain a patent for it, a model will first be required. You had better construct one without delay and send it to this office.

"H. M. P., of Mass."—We shall publish, next week, the relative answer in your letter to our article. It is our duty to discuss all such questions. The daguerreotype by Staites' Light is three years old.

"C. C. A., of Miss."—No, Sir, we cannot do it: our position is independent of all such subjects.

"A. E. B., of Ohio."—We attend to the purchase of all kinds of machinery, and will receive your order as soon as you are prepared to send it forward.

"G. G. H., of N. Y."—We have just received your letter.

"C. S., of Ky."—We do not see any part of your pump on which to base a new claim.

"J. K. H., of Ala."—Your specification has been received, the alterations made as suggested, and the application filed in the Patent Office.

H. & R., of N. Y.; A. W. D., of Me.; O. W. W., of N. Y.—Your specifications and drawings were immediately forwarded to the Patent office, on their arrival at this office.

Money received on account of Patent Office business, since July 12th, 1850:—

T. H., of N. Y., \$20; O. W. W., of N. Y., \$50; T. R., of Conn., \$30; D. N. P., of Tenn., \$45, and R. N. G., of Me., \$30.

Important Notice to us!

We never 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.

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.

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.

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.  
 Ranlett's Architecture, 2 Vols., bound, \$12.00  
 Mumie's Drawing Book, 3.00  
 "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 Principles, 1.50  
 Mahan's Civil Engineering, 3.00  
 Morritt'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 States' 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

MATTEWAN 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 Mattewan Co. Work, Fishkill Landing, N. Y., or at No. 66 Beaver st. New York City, to  
 40tf WILLIAM B. LEONARD, Agent.

PROSSER'S PATENT LAP-WELDED

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

Inches.	In Stock.	Afloat.
1 1-4	999	7-0
1 1-2	147	10-6
1 3-4	29	19-6
2	—	10-0
2	88	12-0
2	194	14-0
2	460	15-0
2	66	6-6
2	47	4-9
2 1-4	418	15-0
2 1-2	320	15-0
2 3-4	150	15-0
3	—	15-0
4	29	15-0
5	1	15-0
6	14	15-0

THOS. PROSSER & SON, Patentees,  
 July 9th, 1850. 25 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 1848, 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. 42 4

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.

**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 5/8 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, 800; 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., 14tf At this Office

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 36 3m

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

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.

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 39 8 New England Patent Agency.

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 Howard st., New Haven, Ct. AARON KILBORN. 426\*

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. 36 tf

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

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

A 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 cangum the teeth with very little trouble.—Orders addressed to G. A. KIRTLAND, No. 205 South street, (p. p.), will meet prompt attention. 36 tf

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 Wall street, 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. 36 5\*