

TO CORRESPONDENTS.

"J. H., of Geo."—For one run of 4½ stones for wheat, 14 horse power; 5 horse power for one upright saw. With regard to the price, &c., of the engine, machinery, &c., if you address a letter (p. p.), to Mr. Leonard, Agent of the Matteawan Machine Shop, this city, you will get all the information minutely.

"Y., of Amesbury."—If you send your name we will publish your letter.

"S. C. A., of Miss."—We do not see any part of your Horse Power Wheel on which we could base a claim for a patent. We have no doubt but it will work well, but we do not see anything in it, as described, particularly new.

"J. O. A., of Ill."—The pastebord will not answer at all like the lithograph stone;—you can easily try the experiment. We cannot see how the other plan for climbing houses will work at all. Yet we would like you to try some experiments, for if it would work it would be invaluable.

"S. V. R. A., of Wis."—We like your ideas well about the life-boat steamer; we believe them to be practicable and patentable. There is just one difficulty in the way. Such improvements are not easily introduced, and the question with you should be, "will it pay to prosecute it?"

"N. W. W., of Phila."—You are at liberty to consult with us in regard to novelty of an invention.

"J. L., of N. Y."—You had better forward your model by Express, upon its receipt we will advise you in reference to the point in question, as far as possible. You will see that we cannot do so without it.

"H. N. H., of N. Y."—We shall attend to your business as soon as possible. \$6 received.

"M. M. F., of Pa., J. H., of Ala., C. A. D."—Shall write you soon. The models have arrived.

"M. S., of Ohio."—The price of Ewbank's Hydraulics and Mechanics you will see is advertised at \$2.50. Please to inform us how we shall send it, it being a bound volume we cannot forward it through the mail with cutting the cover off.

"E. H. & S. E. P., of Pa."—The price would probably be \$8. The Letters Patent could be sent to us by Express and returned by the same medium.

"H. P. B., of Ind."—Your model had not reached us when our paper went to press.—We are looking for it daily.

"B. O. C. of Geo."—No such proposition as you make, can have any influence in the matter. It is best to use prudence and wait for further developments.

"B. H. W., and J. L. D., of Ga."—To the former we shipped a Camera Lucida and to the latter a small box containing an engraved plate, both by Steamer "Southerner," June 21st.

"J. R., of O."—Your new model is received and will answer the requirements of the Patent Office much better than your former one.—The case will come up with us for execution in a few days.

"J. H. R., of N. Y."—Your specification with \$5 was received Monday morning, and the papers have all been forwarded to the Patent Office—cannot inform you how long it will be before your case will be up for examination.

"J. B. W., of N. J."—There is not better work upon the subject than the one you have. It has received but little attention corresponding with its importance. By dampening the wrappers they can be removed without injury to the papers.

"J. S., of Ind."—Your letter of the 17th reached us safe. We can only say in reply to it, that your papers, models, and fees are safely lodged in the Patent Office, and will come up for examination in their order, of the result we shall duly advise you. They must await their turn; you may reasonably expect to hear soon.

"R. C. I., of R. I."—Your order was filled so far as we were able to do so. The particulars we gave in a letter under date of the 24th. Books sent by Express. We thank you, for your continued confidence.

"H. A. F., of Mass."—Several patents have

been granted for self-feeding or fountain pens. We cannot decide whether yours is new or not until you send a model.

"A. R. C., of R. I."—Certainly; and we shall be happy to reciprocate to the fullest extent. You labored under a mistake in the first statement as you are probably aware by this time.

"H. S., of N. Y."—To make friction matches, the chlorate of potash is used as the percussion powder, the phosphorus to readily ignite, and the sulphur to burn for some time. The glue is just to mix and make the materials stick to the wood. The chlorate of potash, the sulphuret of antimony and a little glue will make good stuff for matches. Use 1 part of the chlorate of potash 1 of phosphorus 2 of sulphur and a very little glue, melt and dip, get good materials and use a little vermilion to color the stuff.

"A. R., of Go."—The Parker's patent is not extended yet and may not be. He can get it extended if Congress does so. The Hotchkiss wheel is allowed to be an infringement, and all others with spiral scrolls.

Money received on account of Patent Office business, since June 19th, 1850:—

G. W. T., of Mass., \$30; J. D. J., of Ct., \$10; L. S. L., of Me., \$32; A. W. D., of Me., \$15, and R. D. S., of N. Y., \$20.

Erratum.

A number of papers were worked off last week with an error in the first editorial column: the word "corruption," on the 27th line, should have read "bribery."

New Agents for the Scientific American.

Our South Carolina friends are hereby informed that we have completed an arrangement with the publishers of the "Southern Literary Gazette," to receive subscriptions for the Scientific American. Money paid to the Editor, Mr. Richards, at Charleston, for subscriptions will be duly acknowledged and the paper forwarded as he may direct.

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?

ADVERTISEMENTS.

Terms of Advertising.

One square of 9 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.

123 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 cases, is transacted at the Scientific American Office, with the utmost economy and dispatch. 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.,  
123 FULTON STREET, NEW YORK.

**DISSOLVING VIEWS. OXY-HYDROGEN Microscope, and Polariscopes, for sale.** A splendid apparatus, in complete order for Exhibition, with 37 fine paintings of Views in Europe and the Holy Land, with descriptions; six Chromatopes, one hundred Microscope objects; selenite designs and sections of crystals for illustrating the properties of polarized light; to which will be added a powerful Drummond Light, if required—gas bags, screens, &c., together with an improved apparatus for generating the gases with great rapidity and perfect safety. Full instructions will be given respecting the generation of the gases and management of the instruments, by D. HISCOX, 31 Jay st., N. Y.

**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.

**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\*

**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 plane 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\*

**THE THIRD ANNUAL EXHIBITION** of the Maryland Institute for the promotion of the Mechanic Arts, will be opened at Washington Hall, Baltimore, on Monday the 14th Oct., 1850. The Committee of Arrangements earnestly invite the mechanics and manufacturers throughout the States to exhibit specimens of their handiwork and become competitors for the prizes offered as premiums for superior merit, either in design or execution.—15 gold and 60 silver medals are offered to male and 40 to female contributors. Competent judges will be carefully selected, and increased facilities afforded to all those desiring to present articles for premium or exhibition. For further information, address the Chairman of Com. on Exhibition, Baltimore. 375 C. W. BENTLEY, Chairman.

**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

**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, 25 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; Br Mill, and Grindstones, Lead and Iron Pipe, &c Letters to be noticed must be post paid. 35tf

**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 at the above Fair, 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. DAREFS WELLS, Agent. 398 New England Patent Agency.

**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 at one 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. 37 6eow\*

**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.

**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

**CHAIN PUMPS.**—A superior article of galvanized chain, with fusible metal elevators, and all the parts complete, or any part thereof, sold wholesale and retail at the lowest cash prices, by AARON KILBORN, No. 4 Harvard st., New Haven, Ct. 1

**WANTED TO PURCHASE.**—A Second-hand Steam Engine, with or without boiler, of about 12 horse power. BLISS, POTTER & CO., Pawtucket, R. I. 1\*

**SAW MILL MACHINERY.**—The subscriber would respectfully inform his friends, and the public generally, that he still continues to manufacture, and keeps constantly on hand all kinds of saw mill machinery, consisting of log saw mill fitted up in the best manner and most approved mechanical mode, patent improved slitting and panel saw mills, (patented by himself and proved superior to any other in use) also for veneering, scroll and circular saws. Shafting and other machinery fitted to order. Persons in want of such machinery will promote their interests by an interview with the undersigned, before engaging elsewhere. articles embraced above, as his long experience both in the manufacture and use thereof, has given him a thorough practical acquaintance with the best models of constructing.

THOMAS J. WELLS,  
38 4\* Foot of 29th St., N. R., New York.

**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 80 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

**MACHINE BANDS, RUBBER HOSE, &c.**—After 20 years devoted to the manufacture of India Rubber, the undersigned feels confident of his thorough practical knowledge of the quality of goods in his line. The three factories now owned and operated by him, turn out large quantities of all kinds and styles of rubber goods in use, mostly vulcanized rubber. Orders for railroads, factories and merchants executed with intelligent regard to wants and best interest of the customer. Warehouse 23 Courtland st., N. Y.; 1 factory at Great Barrington, Mass., with whole flow of Housatonic river for power; 1 at New Brunswick, N. J., by steam power; 1 at Piscataway, N. J., waterpower. These 3 factories embrace machinery and apparatus costing over \$50,000—enabling the owner to execute orders with more promptness than any other establishment in the United States. 33 10\* HORACE H. DAY.

**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 paintings, 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 QUARTERMA & 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. Sperms, 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 at 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

**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. 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. PIRSON, Civil Engineer, Office 5 Wall street, New York. 33tf

**JONATHAN TAYLOR,** Machinist, Montgomery, Alabama, begs leave to inform inventors and the public in general, that he is prepared to make patterns and models to order. He is also desirous of being appointed agent for the disposal of all kinds of patent machinery. Office on Commerce street, two doors from the Exchange Hotel. All letters must be post-paid. 32 10\*

**SASH AND BLIND MACHINE.**—Patented by Jesse Leavens, of Springfield, Mass., is the best Sash and Blind Machine now in use. The Machine cost \$300 at the shop where they are made, near Springfield—extra charge for the right of using. The machine does all to a Window Sash and Blind except putting them together. Orders from abroad will be promptly attended to, by addressing JESSE LEAVENS, Palmer Depot, Mass. 22 20t\*

**IRON FOUNDRIES 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. 37 4eow\*

**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. 38 8\*

**ONE HORSE STEAM ENGINE.**—Attached to Bentley's Patent Boiler, with pump, &c., all complete, for sale; it is set up without brick-work and occupies only three feet of floor room,—price \$200. Apply, post-paid, to S. C. HILLS, machinery agent, 12 Platt st. 384