

TO CORRESPONDENTS.

"H. M., of O."—On Saturday June 8th, we shipped to your address one of Alcott's Lathes by Wells & Co., Express.

"A. M. C., of Me."—Numbers 1 and 3, of your inventions appear to be of the greatest importance. The 1st is a desideratum much wished for at the South and West, but you should establish its practical value before incurring much expense upon it. Each of the inventions referred to are proper subjects of a patent, and if new could be secured.

"D. M., of Pa."—Not having the information you desire, we handed the letter over to Mr. S. for attention. The patent reports are published by order of Congress for the use of the members, and not for sale.

"D. F. N., of Mass."—We cannot tell whether your principle is new or not, as you do not enter into any description of it, by which we can judge. If it is different from any other, you could obtain a patent for it. We have no reason to think it is not. The profitability of it will depend upon its practical value, and the manner in which it is managed. Some good inventions do not pay, while some poor ones do. You had better send us a drawing and description of it for further attention.

"J. O., of Pa."—In relation to your first letter, there was no mention made of a patent in it. It is very difficult to give advice on the point. We cannot say that you would get a patent. There are so many plans for reversing machinery, clutches, &c., which lead us to express some doubts about a patent. We shall see you when you come.

"F. H. S., of Pa."—Your plan is good enough, but not new. We see no difference in it from devices now in use for a like purpose.

"J. W. A., of Mich."—Your plan has been proposed before. It will not operate successfully at all. Aerial navigation has not progressed a single step in thirty years.

"B. P., of Mass."—The old tanned leather chips could make Prussian blue, but not with profit, for the expense of the manufacture would not enable you to compete with those who make it at the West out of purer materials. The artificial marble can be made out of the clay; but it requires a person to learn the business, like everything else of a trade. Artificial agate, as beautiful as the natural stone, is now made out of blue clay at the Argillo Works, Albany, N. Y.

"J. T., of Va."—We have forwarded you the numbers of Arnott's Achitect up to No. 6. The work is complete in double numbers at \$1.50 for both. By enclosing \$3, in a letter to us, we can forward a copy of Minifie's Drawing Book by mail.

"R. A. C., of Conn."—You could not succeed with your project. It has been tried before and thrown aside in consequence of the enormous expense, compared with the more modern plans.

"J. A. R., of N. Y."—It may be better to wait and see how the Pacific and Atlantic perform, before saying much on the subject. Their engines are similar to the British kind. The Cunard Line use no more than 7 lbs. steam, not 14.

"E. R., of N. Y."—If a water wheel is not a lever, what is it? All machines are levers—every one. For the information you want get Evan's Millwrights guide. Price \$3. You are entitled to \$20.

"G. A. S., of Vt."—We cannot give you the desired information, but must express our doubts about its equality to an overshot wheel. Get the opinion of some disinterested person who has tried it—that is the most reliable.

"A. W. of Ohio."—We cannot see any thing different in your bridge from many others which combine the tension rods, arch and horizontal stringers. There can be no doubt about its practicability. Of this you may rest assured.

"H. & A., of O."—We forwarded your engraving by Wells & Co's Express on Saturday, June 15th; it is a beauty and cannot help but please you.

"N. P. of O."—Your papers have been returned to the Patent Office corrected. We are sorry that our letter of March 16th was misread, we also regret your loss.

"W. A. H., of Mass."—A man cannot come in from another State and purchase and sell, for the exclusive property of the Patent belongs to the owner in the State. A man cannot get his patent renewed but once at the Patent Office; Congress may do it by special law.

"S. A. S., of N. Y."—We know of no hydraulic ram being used as a prime motor. It would not be equal to a wheel. An improvement could be patented, but we would like to know how it is applied before we could answer your other question.

"J. M. O. B., of Me."—Chucks are so numerous, that it is difficult to point to anything new. We believe you are anticipated. We would refer you to a work called Holtzappel on turning. It contains a great variety. Its cost is \$10, 2 Vols.

"H. & V. V., of Pa."—The cement made with bullock's blood will not answer as well to be exposed to the weather. We have seen it used for floors inside, the blood of one ox answering for five square yards. It has to be mixed with great expedition, otherwise like common lime mortar. We believe that the flags laid down in good cement would be the best and most satisfactory to you in the end.

"B. W. T., of N. Y."—Will you construct a model and try the experiment? We believe you will find it less effectual than you suppose, but you are right about the scroll.

"W. C., of N. Y."—We shall communicate with Mr. Cooper, when he calls upon us, our opinion in reference to the novelty of your invention.

"W. S., of Phila."—The drawing and description of your brick press has been carefully examined. We are of the opinion that a patent could be obtained upon points involved in the combination. You had better construct a suitable model and forward it to this office for further attention.

"R. M., of Va."—So far as we are able to judge from the drawing, we think your winnowing machine possesses some novelty. It is not fully explained how the riddle receives the vibratory motion, but we see how it could be done. The novel point seems to be in the manner by which the additional blast of air is given. There may be other novel features which cannot be determined upon without a model. Don't puzzle your head about perpetual motions, unless you have money to waste away. You could make better use of it by dispensing it among those less fortunate.

Letters Patent belonging to individuals of the following names are remaining at our office, which we wish the owners would order away:—James Dane, of Vt.; Nathaniel Hathaway, of Mass; Emanuel Parker, of S. C.; Jas. Ingram, of N. Y.; John P. Groshon, of N. Y., and O. L. Reynolds, of N. H.

Money received on account of Patent Office business, since June 12th, 1850:—
S. H. J. & Co., of Pa., \$20; W. B. B., of Me., \$25; W. R., of Mass., \$30; T. B., of N. Y., \$20; C. S. S., of Mo., \$22; M. N., of Pa., \$30, and H. & B. of N. Y., \$33.

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?

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.

ADVERTISEMENTS.

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One square of 8 lines, 50 cents for each insertion.
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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 despatch. MUNN & CO., 128 Fultonstreet, New York.

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, 1500, 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, 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

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 398 New England Patent Agency.

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. 3310* HORACE H. DAY.

TO PAINTERS AND OTHERS.—American Anstomic 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. Work, Fishkill Landing, N. Y., or at No. 66 Beaver st. New York City, to 24tf WILLIAM B. LEONARD, Agent.

IMPORTANT INVENTION.—GURLEY'S beautiful and unique machine for gunning 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 Wall street, New York.

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 20tf

TO SOUTHERN MANUFACTURERS and Sugar Planters.—The advertiser a practical machinist and engineer, at present employed as chief engineer of one of the largest manufacturing companies in New England, is desirous of locating South. Address M., Engineer, Lowell Mass. 35 6*

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