

TO CORRESPONDENTS.

"P. F. G., of Mass."—There are several connecting shackles now in use.

"A. B. L., of Conn."—We think your ideas of the lever wrench are good; you had better send us a small model for further examination.

"W. F., of N. J."—There is no doubt but that you will be able to secure a patent on your box. We know of nothing for the purpose. You had better forward one to this office.

"E. P. B., of Ohio."—We have sent you a copy of the Patent Laws, and given you credit for the balance, 75 cents, on subscription account.

"X., of Mass."—We should think your plan to be both new and patentable, so far as there is any possibility of judging from a mere description, which, when it relates to a machine, is not satisfactory to us. We cannot tell whether it would pay or not. If a friend of yours, bound for California, should ask you whether he would make money by the operation, you would naturally reply that much would depend upon luck and management, a point easily decided after the trial. We are often asked whether an invention will pay or not, but as yet we have never been able to invent a way by which it could be answered correctly.

"A. P., of Ohio."—We have called upon Messrs. Wells & Co., in reference to the package. They will examine into it.

"G. W., of Pa."—We should charge you \$3 for the engraving you refer to in Vol. 4; a new one of that size would cost \$10. The numbers you missed we have sent.

"M. M. F., of Pa."—There is no danger of any advantage being taken of your invention, if you are careful of it. The model in our possession is safe.

"I. N. B., of Va."—We have shown your letter to some different parties interested in steam engineering, and find that applications are constantly being made for such situations. We know of no vacancy at present.

"G. B. M. of Texas."—The result of your application will be made known to you in about two weeks—it is before the examiners at the Patent Office at the present time.

"J. P. H., of Va."—Iron pipes will not withstand the action of salt water, and although they may be zinced it soon wears off.—Lead pipes will stand the action of the salt, but the gutta percha tubes will do so much better. See the advertisement of H. H. Day, in another column. Walworth, Nason & Guild, 79 John st., can give you the price of the tubes, by stating to them explicitly what you want. We cannot answer you about the boiler. You can correspond with Mr. Day, about the guttar percha.

"J. N. G., of N. Y."—We forwarded you a copy of Minifie's Mechanical Drawing Book by mail on the 1st inst.

"L. E. C., of N. Y."—We believe that your improvement is patentable, but you will first have to make a model before you can apply for a patent, unless you want to file a caveat, and then a more minute description should be sent us.

"J. C. S., of Ohio."—Your name is on our mail book, and the back numbers are marked as having been sent, if you miss any numbers we are willing to furnish them.

"W. W., of Ct."—Yours of the 29th reached us in due time. We have corresponded with the parties in Phila., in reference to your proposition, and shall expect to hear from them soon,—of the result, you will be advised.

"N. J. W., of Mass."—Your method of attaching heavy stones for hoisting appears to be good, and we can see no reason why a patent should not be granted for it. It is certainly new to us.

"J. A. A., of N. Y."—By reference to No. 10, Vol. 5 Sci. Am. you will find an engraving of Wilson's machine which embraces all the points in your invention, with the exception of the one designated by you, which appears to be a good improvement. You could not however use the other features, as Mr. W. claims those in his specification.

"W. A. B., of Phila."—The same principle as you describe is used on all the Cunard steamers and we presume on others. It is well known.

"H. B. S., of Vt."—There have been a number of such mills used for years. They are common as old fashioned coffee mills, and can refer you if you were here to those who have used them.

"J. T., of Phila."—We fully understand your invention and believe it to be patentable. If you apply for a patent, you must make a complete, although it may be a small model.

"S. H., of Mass."—There is no patent for extinguishing fire by carbonic acid gas, nor one cannot be obtained for it. There was a patent for a kind of machine which used it, but not the gas.

"L. W. H., of N. Y."—The power will not operate as you propose by the air pump. This same thing was tried on an extensive scale and failed.

"L. H., of Pa."—Your seed planter appears to be good, but we do not see where a claim could be instituted upon it except in the manner of operating the shank to stop the spout. That is good and patentable.

"G. G. L., of N. Y."—Your churn is good and beautiful but we are at a loss to see what part could be claimed. The dasher as you say, appears to be worthy of a patent.

"W. B. B., of Me."—Your papers have been filed at the Patent Office.

A number of correspondence is left till next week, our letters having been very numerous this week.

Money received on account of Patent Office business, since June 26th, 1850:—

A. S. M., of Vt., \$45; C. F. B., of R. I., \$10; A. C., of N. Y., \$30; W. M., of Ohio, \$55; C. R., of Wis., \$20; A. C. of Mass., \$15.

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.

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.

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

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 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 FULTON STREET, 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
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American Steam Engine, Plate and Book of Description "Scientific American," Vol. 4, 40 Nos., unbound, 1.00
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Graefenberg Manual of Health, (noticed in No. 41), an excellent work, bound, 75cts., unbound, .50
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Foot's Counterfeit Detector, a new and enlarged edition, with glass, mailable, 1.00

PROF. A. C. BARRY'S TRICOPHEROUS, or Medicated Compound.—Barry's Tricopherous has been subjected to an ordeal for 7 years. Every year its reputation and sales have increased until more oil is consumed annually than of any other preparation for the hair ever offered to the American public. Its extraordinary cheapness places it within the reach of the humblest family, and its conceded value insures it a place on the most luxurious toilet. Sold in large bottles, price 25 cts., at the principal Office 137 Broadway, New York. For sale by the principal merchants and druggists throughout the United States and Canada. Beware of the counterfeit. Sold at \$1 per bottle. 1

THE UNIVERSAL COUNTERFEIT AND ALTERED BANK NOTE DETECTOR AT SIGHT.—A system of Infallible Detection, applicable to all Banks in the United States, now in circulation or hereafter issued. Complete in Seven Rules with thirteen Diagrams and 17 illustrations on steel, for self-instruction. Price \$1, including a magnifying glass: mailable.
Address H. C. Foote, 763 Greenwich st., N. Y., or Messrs. Munn & Co., Office of the Scientific American, N. Y. 421*

IMPORTANT NOTICE.—The right to manufacture a recently patented improvement in firearms 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 COLLSON, No. 33 Coenties Slip, N. Y. 422*

TWO IRON FOUNDERS AND MACHINISTS in the Northern and Eastern States.—The Subscriber, sole agent for the sale of rights, to make and sell the celebrated Bogardus Horse Power, will contract with any one disposed to manufacture the best horse power in the world, upon reasonable terms. Address GEORGE VAIL, Morristown, N. J. 414*

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*

TWO MACHINISTS.—A superior iron power Planing Machine for sale, by Faulkner & Lewis, S. W. cor. of Hamilton and Nixon sts., near Fairmount, Phila.—will plan 6 feet by 27 inches wide and 24 inches high, weighing 33 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.

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

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. 6 in., price \$450. The 15 ft. 7 in. lathes 4900 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.

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; Hose 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 overalls 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, sating 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 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 39 8 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, 25 inch, \$130. 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 Tennoning 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 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

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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*