

TO CORRESPONDENTS.

"G. W. W., of N. Y."—Your improvement about the lock we believe to be both new, good and patentable, but it is more difficult to give advice confidently about locks than any other mechanical contrivances. If you applied for a patent the cost would be no less than \$50, as the business would be troublesome.

"E. P. B., of Ohio."—Directions for putting up the lathe are forwarded with it, which we think sufficiently explicit to enable any mechanic to put one in operation. The price of the Patent Laws is one shilling.

"A. B., of N. Y."—We presume your account is correct—your name has been entered to No. 5, Vol. 6.

"G. B., Jr., of Texas."—Your communication of the 12th ult., has been carefully considered in reference to the variations proposed in the manufacture of the meat biscuit: it would make no difference whether you *dried* or *baked* the combined properties of flesh and vegetable meal or flour—the principle is the same, and would be so considered in point of law. According to a strict construction of the Letters Patent, the extract can, if you prefer, be mixed with kiln-dried flour or meal, or pulverized biscuit made of wheat flour. The patent covers all these points so far as we are able to comprehend its meaning, and so long as the plan specifically laid down is the best, the deviation from, or substitution of any other matter, such as bake for dry, or vegetable flour or meal for pulverized biscuit, would be a glaring infringement of your just claims, and could not be regarded by any sane man in any other light.

"Faust, of N. Y."—We are pleased with your ideas of the press, but do not understand the principle upon which it operates, as the drawings are very imperfect. You had better bring the model referred to, into the office and explain it to us more fully.

"S. C., of Mobile."—You can commence teaching your new system without any danger to the success of the application.

"J. T., of Ala."—Your favor of the 1st is at hand. We have credited you and Phillips each with a year's subscription. We admire your perseverance and the interest you take in disseminating useful knowledge; wish there were more persons like you.

"G. W. H., of —."—The decision of infringement cannot be different from either the claim or specification—it is upon what is claimed and that is in the specification.

"J. C., of —."—We know of no lamp arranged as you describe, and believe it to be patentable.

"V. P. K., of N. Y."—It is not possible to give you advice about the steam power you want. The amount just depends on the work to be done. You will need a great deal of machinery, and it is somewhat expensive. We would advise you, before doing anything that way, to visit Com. Stockton's mines in Virginia, where you can see the whole process, machinery, &c. This will give you the most satisfaction and save you some money.

"J. W. A., of Del."—We believe your form of buckets is covered in Parker's second patent, which claims the tapering of the thickness of the bucket to the point of discharge. The scroll is a good one, but we would not advise you to apply for a patent—we do not believe one would be granted.

"J. W. T., of Phil."—We have not seen any plan proposed, like yours, for the same purpose. We believe it to be patentable, and it will be of great benefit to the carpet manufacturers, &c.

"J. H., of Va."—We have endeavored to get Capt. Scott's book on aerial navigation, but cannot find a copy of it, or we would comply with your suggestion.

"J. S., of —."—The Bridle-bit is new so far as we are aware. It is a combination of levers with the reins. It is patentable, but not so preferable as the pulley and cord arrangement. We will attend to your other wants in the course of a few days.

"N. T., of Geo."—Your indicators in connection with the float, have been known to us for more than 20 years. Almost all the foreign boilers for stationary engines are made with them.

"Oregon."—A. R. Carter of Newark, N. J., can give you all the information desired about machines for turning irregular forms. We do not know the prices.

"H. & A., of O."—Your engraving is in progress and will be forwarded to you in a few days. \$10 dollars received.

"R. D. A. of San Francisco."—Messrs. Thomson & Hitchcock, agents for Gregory's Express, have your Camera in charge and will forward it by the first steamer. The case which contains the instrument measures 19 cubic inches, and the freight, at \$20 per foot, amounts to 31.67. We could not pack it in a smaller box.

"G. S., of N. Y."—There have been many plans for the same purpose as your invention. If yours is different from all others, you can secure a patent. The first thing to be done is to make a model and employ an agent to do the business for you, as you cannot do it yourself. We can do it at a very reasonable price.

"O. P. S., of O."—As we have had nothing to do with your application it is not proper for us to trouble the Patent Office with enquiries concerning your business. Write to the Commissioner yourself, that is the best way for you.

"S. C. A., of N. Y."—Your plan for making locomotives ascend steep grades would not work at all, in our opinion. It is adhesion by weight, not attraction, that assists the case to ascend. A 4 inch compass is worth \$15, a 5 inch, \$20; 6 inch \$25, without verniers.

"W. P., of N. Y."—If you are coming to the city in a few weeks, your business had better be delayed until you arrive here.

Money received on account of Patent Office business, since June 5th, 1850:—

P. McK., of Ga., \$10; C. F. B., of R. I., \$61; T. B., of N. Y., \$30; J. K. H., of Ala., \$50; T. H., of N. Y., \$30; D. H. J., of Pa., \$20; and I. Z. A. W. of Phila., \$28.

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.

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 procuration 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.

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.

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 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. 1amly*

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.
37 5 C. W. BENTLEY, Chairman.

TO STONE CUTTERS, QUARRY OWNERS, Dressing Co., capital \$168,000, are the owners of Wilson's Patent for Dressing Stone, and have established an agency in the city of New York. They are authorized to engage in quarrying stone to any extent and will entertain proposals either for purchase of the right to run machines under said invention, or for capital to aid in opening quarries on a large scale. Four machines are now in successful operation in N. Y. city, where they can be seen dressing stone of every degree of hardness, giving perfectly true surfaces and corners, and with a simplicity, efficiency and rapidity which will insure a highly profitable result to all who shall secure rights. Application can be made to SHELTON, FLAGG & ANDREWS, Attorneys to the N. A. S. D. Co., 12 Wall st., N. Y. 36 4*

IMPROVED FILTERERS.—Fessenden's Patent Pocket Filtering Tube. This is one of the most complete articles ever offered to the public, and is especially adapted to the use of travellers, by sea or land; it being light and compact, and the water being filtered by the very act of drinking. This filter having been duly patented, all persons are hereby cautioned against purchasing or using filters intended or calculated to infringe upon the rights of the patentee.

Fessenden's Division Filter.—This is the most perfect and scientific pressure filter now in use; it is more durable, more easily and thoroughly cleansed, and purifies the water more completely than anything of the kind ever before invented. The above mentioned filters are for sale at the store of D. H. Butts & Co., 15 Canal st.; Horace H. Day, 23 Cortland street, and E. Bartlett, 31 Park Row, where purchasers are invited to examine them. Orders left with D. H. Butts & Co. promptly attended to. 36 4*

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., water power. 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; 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
363m

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.
36 tf

WOODWORTH'S PLANING MACHINE—For sale, the right to use this justly celebrated labor-saving machine in the following States, viz. Pennsylvania and Virginia west of the Allegheny Mountains, Ohio, Indiana, Kentucky, Tennessee, Wisconsin, Iowa, Missouri, Arkansas, Texas, Louisiana, Florida, Georgia, Alabama and Mississippi. For particulars apply to Elisha Bloomer, 304 Broadway, or to E. P. Norton, Esq., Cincinnati, Ohio. 34 5*

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

THE AMERICAN UNION.—The most carefully written and best arranged Paper in the United States. This Popular Paper is supplied with Selected Stories Humorous Sketches, Tales of Travel; Romances, Sketches of Real Life, Biographies, Poetry Serious Sentimental, and Humorous; Gems from New Works, Local Matters, Reviews Agricultural Treasuries, Scientific Novelties, Anecdotes, Glimpses of the Law, Opinions, Correspondence, Foreign and Domestic News, Congressional and Legislative Intelligence, Accidents and Casualties, Financial Articles, Markets, Miscellaneous Editorial Articles, amusing sketches, facts and fancies, such as never before has been in one publication. As a General Family Paper it is unsurpassed for the variety and completeness of its contents, and for the great care that is taken, while it shall amuse, to instruct and elevate the mind to a sense of its natural dignity. For the young, it will possess a charm that will not contaminate or cloy the taste. Published weekly by R. B. FITTS & CO., 22 School Street, Boston, Mass. Terms—Two Dollars per annum, payable in advance. 328*

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 sitting 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.

STIVEN'S PATENT EPICYCLOIDAL Rotary Pump, for forcing and lifting, will be found superior to any other now in use, being capable of forcing water from 20 to 30 feet farther with the same capacity of water and same amount of power applied. As all great fires originate from small fires, no dwelling house, factory, or ship should be without one.—This pump is applicable to every purpose a pump can be used for. An inspection is only necessary to satisfy any person of its great utility. Removed to 68 and 60 Vesey st., N. Y. 373*

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. 34tf

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 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. 34tf
WILLIAM B. LEONARD, Agent.

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

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 to 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 20t*

IRON FOUNDERS FACING DUST.—An approved article of Sea Coal Dust to mix with mouldings and 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 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. 33 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;

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 WILBORN, No. 4 Harvard st., New Haven, Ct. 382*