

TO CORRESPONDENTS.

"L. R. H., of Pa."—Breast studs having moveable tops are not new. The same plan as you describe was patented last August, we think by Mr. Coston, of Philadelphia.

"C. F. D., of M. D."—We will publish yours next week.

"A. D. B., of Geo."—Yours containing \$2 for Mr. P. is received. We were sorry not to have been more definitely instructed in regard to the shipment of the telescope. The expense is however no more than any express would charge for the same distance. You can send us subscribers in the way you propose.

"S. H., of Mass."—We know Morse's Air Distributor well. We do not believe that you could secure a patent so as to obviate the claim. There is an engraving of it on page 258, Vol. 5, Sci. Am.

"E. M., of Pa."—We don't know Donlan's patent; a plan to do the same thing was to steep the flax in a weak solution of ley, and drain it through fluted rollers, in a wet state. This is all we know about it.

"S. H., of Ind."—We believe that your improvement is patentable, but we do not believe that it would be of much advantage to yourself.

"A. S., of Pa."—Your improvement in wagon locks strikes us very favorably, and we advise you to construct a small model and send it to this office with as little delay as possible; a model will be required before any further steps can be taken towards securing Letters Patent.

"O. P. S., of Ohio."—We do not know how to advise; our opinion, however, is, that a patent should be granted for the improvements. We had no knowledge of any such process as you described.

"E. H., of Conn."—We do not see how you could obtain a patent on the design of your mill. They may not have been constructed in this shape before, but the arrangement is not new as applied to other purposes, and could scarcely be considered a patentable subject under the law of designs. We advise you not to apply.

"P. L. C., of Pa."—Lactic is an acid, generated whenever milk, and, perhaps, most animal fluids become spontaneously sour, or when the juice of beet root is preserved for some months at a high temperature. The salts are called lactates.

"S. E., of N. Y. City."—The Volta-Metre is an instrument for measuring the intensity of the electric current. It consists of a cell of decomposition, containing dilute sulphuric acid, and so formed as to admit of the collection and measurement of the evolved gases. The electrolyte which best fulfils all the requirements, is water.

"J. S. P., of N. H."—The principle of your improvement in springs is essentially the same as the patent of J. Maxon. You could not obtain letters patent for yours.

"M. K., of Mass."—You will be safe in employing an honest mechanic to construct a model. This is all the advice we can give upon the subject.

"E. S., of Conn."—We cannot fully understand your device without the aid of a well-described drawing. Machines for the purpose are now in use. We are unable to make out the name of the person you refer to who makes bone grinding machinery.

"G. C., of Miss."—We do not think a patent could be obtained for the separator. The principle was patented last year.

"S. T., of Conn."—You will please forward a model of your churn about one foot square (or less) in size, to this office, for examination. There are such an endless variety of churns that it is difficult to say whether a patent could be obtained or not.

"E. T. G., of Mich."—The principle of your alleged improvements in threshers is thought to possess sufficient novelty to warrant an application for Letters Patent. You should construct a substantial model on as small a scale as possible, showing your improvements in full, and forward it to this office; upon its receipt it will be further examined.

"W. W. B., of Phila."—Yours shall be attended to next week.

"A. A., of Geo."—We do not fully understand your plan for saw and grist mills. We advise that you send us a sketch, described by letters of reference; this will enable us to understand the details. Your description is somewhat indefinite.

Money received on account of Patent Office business, since Jan. 1 1851:—

J. C., of Pa., \$30; S. G., of N. H., \$32; J. W., of N. Y., \$30; L. I. W., of R. I., \$20; J. T. D., of N. Y., \$128.

Patent Claims.

Persons desiring the claims of any invention which has been patented within fourteen years can obtain a copy by addressing a letter to this office; stating the name of the patentee, and the year the patent was granted (adding the month of the year when convenient), and enclosing one dollar as fee for copying.

Standing Notice to Subscribers.

Henceforth, parties ordering the Scientific American will be supplied with the paper commencing at the time the order is received, unless they particularly mention that the back Numbers of the present Volume are desired. We have on hand over 3,000 sets of the Numbers already published, and shall be happy to furnish all new subscribers with complete sets whenever requested.

The present volume of the Scientific American will be the most valuable encyclopedia, or year book of inventions we have yet published, and every person ordering it should not fail to receive the back numbers, to render his volume complete.

Those desiring Volume 5 of the Scientific American, are informed that we are able to furnish a few complete volumes, (bound,) at \$2.75 each. Also, we can send by mail sets complete, (unbound,) for \$2. We would also say, that whenever 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.

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One square of 8 lines, 50 cents for each insertion.
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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 oaths, 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, Payne & Parken, Patent Attorneys, in London, for procuring Letters Patent in Great Britain and France, with great facility and despatch.
 MUNN & CO.,
 123 Fultonstreet, New York.

WANTED—By a Southern foundry and machine shop, in a healthy and desirable location, a man who is practically acquainted with, and fully experienced in the inside management and conduct of a foundry and machine shop. The establishment is large and requires for the office a man fully qualified as a designer and draughtsman, and thoroughly acquainted with, and experienced in engine and mill works of all descriptions. To a party who can furnish the very best testimonials from undoubted sources, of the highest qualifications, and who may render satisfaction, permanent employment will be given, none other need apply. A bond of five thousand dollars with approved security for faithful and competent discharge of duty will be required. The salary will be from \$2000 to \$3000, dependent upon the reputation, general experience, and character of the party. All communications will be regarded, strictly confidential. Address, with real name, post-paid, box 664, New York City. 175*

WORLD'S FAIR, LONDON, in 1851—ANDREW P. HOW, Civil Engineer and Machinist, 35 Mark Lane, London, England. Mr. How is a native of the United States, in the above named business in the city of London. He offers his services to those of his countrymen who may have any kind of steam or other machinery to be exhibited at the Great Fair. He will, if required, receive it on arrival, and do all that may be necessary towards its erection, &c. References in New York—Thos. Sewell, 701 Broadway; Joseph Barton, 516 Grand st. 168*

SHARE OF A VALUABLE PATENT RIGHT FOR SALE.—In consequence of the inventor of a valuable patent not having time to devote to the working thereof, a small share of the patent is now offered for sale on most advantageous terms. The purchaser must be a person of respectability and of smart business habits, and willing to proceed immediately on the sale of rights, at a liberal commission. Apply by letter, pre-paid, to A. Z., box 1394, Post Office, New York.

We are perfectly acquainted with the nature of the above patented invention, and are of opinion that it is one of value and merit. MUNN & CO. 162*

CLOCKS FOR CHURCHES, PUBLIC Buildings, Railroad Stations, &c.—The subscriber having made important improvements in the apparatus for counteracting the influence of the changes of temperature upon the pendulum, and in the retaining power, together with a most precise method of adjusting the pendulum to correct time, are prepared to furnish Clocks superior to any made in the United States, both for accuracy of time-keeping and durability. They speak with confidence, from having tested their performance for several years. All clocks ordered and not proving satisfactory, may be rejected. Address SHERRY & BYRAM, Oakland Works, Sag Harbor, L. I.
 "Mr. Byram has established his reputation as one of the first clock makers in the world"—(Scientific American. 175eow*)

HUTCHINSON'S PATENT STAVE MACHINE.—C. B. HUTCHINSON & CO., Waterloo, N. Y., offer for sale town, county and State rights, or single machines, with right to use the same. This machine was illustrated in No. 2, Vol. 5, Sci. Am.; it will cut from 1,500 to 2,000 perfect staves per hour. We manufacture machines of different sizes, for keg, firkin, barrel and hoghead staves; also, heading shingle, and listing and jointing machines. These machines may be seen in operation at St. Louis, Mo.; Chicago, Ill.; Savannah, Ga.; Madison, Ia.; Ithaca, N. Y.; Waterloo, N. Y.; Bytown, C. W. Letters directed to us, post-paid, will receive prompt attention. 153m*

LEONARD'S MACHINERY DEPOT, 116 Pearl st., N. Y.—The subscriber has removed from 66 Beaver st. to the large store, 116 Pearl st., and is now prepared to offer a great variety of Machinists' Tools, viz., engines and hand lathes, iron planing and vertical drilling machines, cutting engines, slotting machines, universal chucks, &c. Carpenters' Tools—mortising and tenoning machines, wood planing machines, &c. Cotton Gins, hand and power, Carver Washburn & Co.'s Patent Steam Engines and Boilers, from 5 to 100 horse power. Mill Gearing, wrought iron shafting and castings made to order. Particular attention paid to the packing, shipping, and insurance, when requested, of all machinery ordered through me. P. A. LEONARD. 152m

TO IRON FOUNDERS, &c.—Fine ground and bolted Foundry Facing, viz.: Sea Coal, Charcoal, Lehigh, Soapstone, and Black Lead. Fire Clay, Fire Sand, Kaoline, and Fire Brick; also Iron and Brass Founder's superior Moulding Sand, in barrels, or otherwise, for sale by G. O. ROBERTSON, New York. City Office, 4 Liberty Place, Liberty street, near the Post Office. 135*

LAP-WELDED WROUGHT IRON TUBES for Tubular Boilers, from 1-4 to 7 inches in diameter. The only Tubes of the same quality and manufacture as those so extensively used in England, Scotland, France and Germany, for Locomotive, Marine, and other Steam Engine Boilers. THOS. PROSSER & SON, Patentees, 23 Platt st., New York. 161f

MACHINES FOR CUTTING SHINGLES. The extraordinary success of Wood's Patent Shingle Machine, under every circumstance where it has been tried, fully establishes its superiority over any other machine for the purpose ever yet offered to the public. It received the first premium at the last Fair of the American Institute—where its operation was witnessed by hundreds. A few State rights remain unsold. Patented January 8th, 1850.—13 years more to run. Terms made easy to the purchaser. Address, (post-paid) JAMES D. JOHNSON, Redding Ridge, Conn., or Wm. WOOD, Westport, Conn. All letters will be promptly attended to. 101f

AMERICAN CAST-STEEL.—The Adirondack Steel Company have re-built their works that were recently destroyed by fire, and are now manufacturing an improved article entirely from home material, as low in price, and warranted equal to any imported steel in market. All sizes Steel, from 1-4 inch to 4 inches square, and from 1-2 inch to 12 inches wide, can be supplied. For sale at the Company's Warehouse, by QUINCY & DELAPIERRE, 81 John st., N. Y. 144*

BARNUM'S PATENT PLANING MACHINE.—These machines, while they possess equal facilities with any other, for planing coarse lumber for flooring, &c., removes all the objections urged against machine planing, for ship and steam-boat building, or fine ceiling, &c., by finishing the material with the grain, fully equal to hand planing, leaving no indentations on the surface of the board (as in all machines using pressure rollers in planing, by the chips and knots collected passing between the planed surface and weighted feed rollers, thereby destroying fine work, designed for painting, &c.) as there is no appliance whatever on the planed surface. Contracts may now be made for their construction or use, or for the formation of a joint stock company or companies, in any part of the U. S., to successfully prosecute the business by applying to DANIEL BARNUM, Snowden's Wharf, Philadelphia, where the machines may be seen in constant operation. 146*

DICK'S GREAT POWER PRESS.—The public are hereby informed that the Matteawan Company, having entered into an arrangement with the Patentee for the manufacture of the so-called Dick's Anti-Friction Press, are now prepared to execute orders for the following, to which this power is applicable, viz.—Boiler Punches, Boiler Plate Shears, Saw Gummets, Rail Straighteners, Copying and Sealing Presses, Book and Paper Presses, Embossing Presses, Presses for Baling Cotton and Woollen Goods—Cotton, Hay, Tobacco, and Cider Presses; Flaxseed, Lard, and Sperm Oil Presses; Stump Extractors, &c. &c. The convenience and celerity with which this machine can be operated, is such that on an average, not more than one-fourth the time will be required to do the same work with the same force required by any other machine. WILLIAM B. LEONARD, Agent, No. 66 Beaver st., New York City. 131f

WATER POWER FOR SALE OR TO LEASE—55 miles from New York, and 3 miles from the Harlem R. R. Depot at Croton Falls. There is a never-failing stream of water, with a fall of 200 feet in one-third of a mile, and about 150 horse power, without any cost of damming or danger from floods. It is a fine situation for a series of small manufactories and mechanic employments requiring motive power. There are on the premises, consisting of 11 acres of land, a grist and plaster mill, with three runs of stone, and a dwelling house. The country is healthy, fruitful, and picturesque. Enquire of T. R. LEE, Croton Falls. 156*

STRAW CUTTER FOR SALE.—We have on hand one of Macomber's Improved Straw Cutters, patented Nov. 5, 1850, illustrated in No. 50, Vol. 5, Sci. Am. Price \$10. Address MUNN & CO. 262*

GURLEY'S IMPROVED SAW GUMMERS—for gumming out and sharpening the teeth of saws can be had on application to G. A. KIRTLAND, 205 South st., N. Y. 101f

SCRANTON & PARSHLEY,—New Haven, Conn., will have finished by the 15th of December, 12 Engine Lathes of 8, 10 and 12 feet beds, and weigh 1500, 1650, and 1800 lbs; price \$200, \$220 and \$240. These Lathes are from a new set of patterns, and are greatly improved from their former small size lathes; they swing 21 inches, and have back and screw gearing, centre rest, follow rest, drill, chuck and overhead reversing pulleys, all hung in a cast iron frame, ready for use. On and after the first of Dec., by addressing as above (post paid) cuts can be had of these, with index card, showing the different pitch threads that these lathes will cut.
 Two of the power planers heretofore advertised in this paper, are now ready to ship to the first order; they weigh from 4500 to 4600 lbs., when finished. 91f

A CARD.—The undersigned begs leave to draw the attention of architects, engineers, machinists, opticians, watchmakers, jewellers, and manufacturers of all kinds of instruments, to his new and extensive assortment of fine English (Stubs) and Swiss Files and Tools, also his imported and own manufactured Mathematical Drawing Instruments of Swiss and English style, which he offers at very reasonable prices. Orders for any kind of instruments will be promptly executed by F. A. SIBENMANN, Importer of Watchmakers' and Jewellers' Files and Tools, and manufacturer of Mathematical Instruments, 154 Fulton street. 16m*

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. 91f

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. 101f

BAILEY'S SELF-CENTERING LATHE, for turning Broom and other handles, swelled work, chair spindles, &c.; warranted to turn out twice the work of any other lathe known—doing in a first rate manner 2000 broom handles and 4000 chair spindles per day, and other work in proportion. These lathes are simple in construction, not liable to get out of repair, and will do enough more than other lathes, in three months' use, to pay their cost. One of them may be seen at the office of Munn & Co., New York. Price of Lathe for turning broom and hoe handles, rake stales, soythe anaths, Windsor and cottage chair legs and pillars, \$100, with one set of tools; \$125 with two sets. Lathes for turning chair spindles, whip stocks, gun rods, &c., complete, \$75. Orders, post-paid, may be forwarded to L. A. SPALDING, Lockport, N. Y. 93m

IMPORTANT NOTICE TO CONFECTIONERY MAKERS.—Whereas, a patent was granted to the undersigned, Oct. 8th, 1850, for an improvement in the manufacture of Comfits, and from certain knowledge which he has received, he believes that parties are using it without his consent. Vigorous measures are now being taken to ascertain who the unprincipled parties are, in order that they may be dealt with according to law. This notice is to warn all not to infringe the patent, as it is not the intention of the patentee to dispose of rights. Parties using it will have no authority. W. H. HOLT, Patentee. Hartford, Conn., Nov. 25, 1850. 118*

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, Office 5 Wall street, New York. 71f

RAILROAD CAR MANUFACTORY.—TRACY & FALES, Grove Works, Hartford, Conn. Passage, Freight and all other descriptions of Railroad Cars, as well as Locomotive Tenders, made to order promptly. The above is the largest Car Factory in the Union. In quality of material and in workmanship, beauty and good taste, as well as strength and durability, we are determined our work shall be unsurpassed. JOHN R. TRACY, THOMAS J. FALES. 161f

FOWLERS & WELLS, Phrenologists and Publishers, Clinton Hall, 131 Nassau st., New York—Office of the Water Cure and Phrenological Journals. Professional examinations day and evening. 36m

MANUFACTURERS' FINDINGS and Leather Binding.—The subscriber is prepared to offer a large assortment of manufacturers' Findings for Cotton and Woollen Factories, viz., bobbins, reeds, harness, shuttles, temples, rockers, harness twines, varnish, roller cloth, card clothing, card stripper and clamps, calf and sheep roller, leather, lace, and picker string, potato & wheat starch, oils, &c. Leather Binding, of all widths, made in a superior manner from best oak tanned leather, rivetted and cemented. 153m P. A. LEONARD, 116 Pearl st.

PATENT RIGHTS FOR SALE.—The inventor of the patent "Cut-Out," illustrated in No. 14, Scientific American, desires to effect sales of rights—town, county and State rights will be sold on reasonable terms. Address G. B. MILNER, Houston, Texas, post-paid. 154*

UNITED PATENT OFFICE IN PARIS AND LONDON.—GARDISSAL & CO., 9 Arthur st., west, city, London; Paris, 29 Boulevard St. Martin.—Procuration of Patents for England, Ireland, Scotland, France, and all countries; and transactions of all business relating to patents, (sale and licenses,) specifications, oppositions, &c. "The Invention," monthly journal, \$1 a-year. 154m*

PATENT RIGHTS FOR SALE.—The undersigned, having received letters patent Oct. 22nd, 1850, for a valuable improvement in Straw, Stalk, and Cane Cutters, is desirous of disposing of rights to parties, to make and sell the same. Cash or, if preferable to the purchaser, available Western lands will be taken in payment. See engraving in Vol. 5, No. 7, Sci. Am. H. W. BERTHOLE, 262* Sugar Loaf, Orange Co., N. Y.