

TO CORRESPONDENTS.

"W. C. W., of Va."—Volume 5 was shipped to your address, by Adams & Co.'s Express, last Thursday week, Nov. 14.

"A. B., of Mich."—Tredgold, when completed, will cost as much as \$60. We have not a lithograph of any of the engines you refer to, nor to the out off, but we have seen engines applied to propellers, not the least different from others, except a cog-wheel on the crank shaft to mesh into a pinion on the propeller shaft.

T. G. S., of N. Y.—We suppose that you must be aware of hinged windows having been in use long ago, and are now common. Window fasteners, as substitutes for the rope and pulley plan, are also numerous. Your plan of confining window sashes in their frames is new to us, and so far as we are able to judge, patentable, as being new, but we have seen windows that were moveable, by having spring strips in the frame, and grooves in the sides of the sash. We could not advise you to apply for a patent.

"L. B., of Vt."—The discovery which you have made is not new, the precipitate is not the pure alkali, but a salt called glauber salts, the sulphate of soda, if soda you used, or if ash—it is the sulphate of potash. We have heard of ley and cold soap-suds being used for tempering, but could never account for any virtue in them over cold water and salt.

"A. T. P., of Ill."—The sketch of your eccentric switch fastener is not new. The principle although it may not have been applied to this purpose before is not new. Fasteners falling by their own gravity are well known devices and have been applied to many different purposes. In order to sustain a patent the principle must be new, which does not appear from the sketch.

W. A., of Conn.—We cannot attend to answering such interrogatories as you have propounded. You will see upon reflection that it is entirely out of our line of business, and if we attend to you others have a right to expect such favors also. We have no disposition to open a general intelligence office.

"A. G., of Va."—We are not prepared to answer your communication at present.—Nothing has been done as yet with the invention.

"G. G. H., of G. S."—Minifie's Drawing Book is a large octavo volume containing about 120 pages, and 40 steel plate engravings and it is without doubt the most valuable and comprehensive work ever published upon the subject. To your last inquiry no definite or satisfactory information can be given. Vacancies without doubt are often occurring in good establishments, but we are seldom if ever applied to for workmen. If we should hear anything favorable you would be informed.

"A. D. B., of Geo."—Yours of the 11th is received, and the correspondence with Mr. H. has been attended to. You will hear from us concerning the telescope in a few days.

"L. L., of N. Y."—Your model was received duly, and the case will come up for our attention in a few days. We have heard nothing yet from your other application.

"A. A. C., of N. J."—We have not the slightest confidence in your alleged invention. You can learn much from the unfortunate experience of others in the same line.

"W. T. C., of Ohio."—1st. You would see that the float is old and well known, by our last No. 2nd. Your machine for engraving would not answer, but it would do for a mortising machine, and there is one like it (Mr. Chandler's) in Illinois. 3rd. A rotary moving machine was illustrated on page 289, Vol. 4, Sci. Am. There is the best history of rotary engines ever published in Vol. 4, Sci. Am. We have never seen one to suit our taste yet. Perpetual motion is a phantom, we cannot give it any other name. We are much obliged to you for the news about the railroad.

"B. A., of N. C."—The endless chain horse power is manufactured by Messrs. Wheeler, Melick & Co., Albany, N. Y. They are very much used for sawing wood, &c. The price we cannot give—but think from 75 to 100 dollars.

"D. G., of Pa."—The specific gravity of gold is to the specific gravity of water as 19 to 1, that is to say, a cubic inch will weigh 19 times as much as the water that could be contained in a vessel the capacity of which is precisely equal to one cubic inch.

"T. T. H., of N. H."—The ascending power of a balloon is equal to the weight by which it is lighter than an equal bulk of common air, every cubic foot of the inflammable air may be considered equal to three and one-sixth drachms avoirdupois, which is about one sixth of the weight of common air.

T. H., J. R., Dr. A. G., and T. W. H., all of N. Y.—Your applications have been filed in the Patent Office since our last issue.

Money received on account of Patent Office business, since Nov. 14, 1850:—

J. R., of N. Y., \$50; J. W., of N. Y., \$20; C. F. M., of N. Y., \$30; J. W. O., of O., \$18; S. B., of Pa., \$55; T. W. H., of N. Y., \$30, and Dr. A. G., of N. Y., \$35.

Incog Correspondents.

We had supposed that all correspondents of the Scientific American, knew our rule of laying all letters, which had not true signatures attached—in other words, the author's name withheld—in our black-box. We cannot and will not answer such letters: no person should be ashamed of letting us know who he is when he writes. His name is perfectly sacred with us.

We would also say to our correspondents, that it is desirable for them to be brief and clear. Take time and write short letters—mind this.

An Important Paragraph.

To preclude our subscribing friends the necessity of writing for the back numbers of the Scientific American, we shall forward to all new subscribers the back numbers of Vol. 6, dating their subscriptions from the commencement unless they instruct to the contrary when they remit. We shall persevere this course of sending the back numbers issued on this volume until No. 13, and after that time the names will be entered from the date of the reception of orders, unless the writer expresses a wish to receive the back Nos.—in that case they will be promptly forwarded.

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, minus No. 1, 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.

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.

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.

THE DAGUERRIAN JOURNAL.—Devoted to the Daguerrian and Photogenic Arts; also embracing the Sciences, Arts and Literature.—No. 2 of the above Journal is now ready: it consists of 32 octavo pages, with covers. Published semi-monthly at \$3 per annum, in advance. To be had of booksellers generally. Contents of No. 2.—Researches on the Theory of the principal Phenomena of Photog. apply in the Daguerreotype process, by A. Claudet; Smoke Consumers; Visit to the Art Union; Light, by T. Antisell, M. D.; Copying Daguerreotypes; Photography and Talotypes; Beating Time; Crayon Daguerreotype; Submarine Telegraph; Plate Holder, illustrated; American Photographic Association; Statue of Calhoun; March of Discovery; Daguerreotyping in New York; Our Daguerreotypes; Letters from Friends; Photography, by T. Antisell, M. D.; Statue of Ethan Allen; Camera for Views, illustrated; Coating the Daguerreotype Plate; Pictures on Plate Glass, Ivory and Wood. S. D. HUMPHREY, 1* Editor and Publisher, 265 Broadway, N. Y.

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 preparation 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 Fultonstreet, New York.

BLODGETT & LEROW'S ROTARY SEWING MACHINE.—Six silver medals from the different Fairs, at New York, Boston, &c., were awarded this machine; it was patented October 2nd, 1849. One of the inventors, Mr. Lerow, has just returned from Europe, where he has obtained patents for this machine in England, Scotland, and all the British Colonies, also in France and Belgium.

This machine will do fine sewing at the rate of one yard per minute. Over 200 of these machines are now in successful operation in New York, Philadelphia, Cincinnati, Providence, Worcester, New Jersey and other places. For particular reference as to the merits of this machine, we would refer to Messrs. Wm. H. Cary & Co., 245 Pearl st., New York, and also Wm. E. Whiting & Co., 124 Pearl st., N. Y., and to the machine itself, which tells its own story, and which may be seen on application to Wm. E. Whiting & Co., General Agents for the United States, 124 Pearl st., N. Y. 91f

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, sythe snaths, Windsor and cottage chair legs and pillars, \$100, with one set of tools; \$125 with two sets. Lathe 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

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

COTTON MACHINERY FOR SALE.—Viz. 4 filing frames, 144 spindles each; dead spindle, nearly new; 1 three head drawing frame, with extra rolls; 1 Mason's speeder, 16 strand; 1 lapper; 1 cone willower; 1 band machine; 1 bundling press; 1 warper—on very reasonable terms, by ELI WHITNEY, New Haven, Nov., 1850. 96*

COPPER STILL FOR SALE.—A still of about 21 gallons' capacity, in good order and tinned inside; has been used very little; its weight is about 90 or 100 lbs., and it will be sold for \$21. It can be seen at Mr. Patterson's Hardware Store, Bowery, 2nd door below Bayard street, N. Y. 92*

PATENT METALLIC OIL FOR MACHINERY.—Warranted not to gum. Manufactured under Cumberland Brothers patent (April 6th 1849), by C. E. de la Vergne & Co., Elizabethport, N. J. Transparent metallic, adapted to light bearings, spindles, &c., will last a quarter longer than pure sperm. For burning will be found superior. Fluid White Metallic, of the consistence of cream, to be used without wick and tube, adapted to the oiling of engines, shaftings, &c. will last twice as long as pure sperm oil. Hard White Metallic, to be used instead of tallow, will last three times as long; when used in cylinders, the packing must be renewed. Blue Metallic grease, prepared for greasing the inside of boilers when thoroughly cleaned, that the scale which afterwards collects may be removed with one third the usual time and expense. It is also adapted to the greasing of cog wheels; and for the axles of vehicles it has been found to last more than four times as long as any grease ever used for that purpose. KENNEDY & GELSTON, Sole Agents, 50 3m No. 8 Pine st. New York.

FELLY CUTTING MACHINE.—MESSRS. JOSEPH ADAMS & SONS, Amherst, Mass., offer for sale town, county and State rights, or single machines, with the right to use, of this unrivalled Felly Cutting Machine, illustrated in No. 5, Vol. 6, Scientific American. It is portable, easily kept in order, requires but little power to drive it, and will execute in the most rapid and perfect manner, cutting 60 good fellys in one hour. 61f

RAILROAD CAR MANUFACTORY.—TRADE & 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, 51f

UNITED PATENT OFFICE IN PARIS AND LONDON.—GARDISSAL & CO., 29 Boulevard St. Martin, Paris, and No. 9 Arthur st. west, city, London. Patents procured in Great Britain and on the Continent: "La Brevet d'Invention," weekly journal, published by the same firm. 34c0w*

TO HAMMERSMITHS.—Wanted, a Tilter. Apply to the N. Y. Cast Steel Works, foot of 24th street, East River, New York. 61f

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

ALLEN'S PLANING MACHINE.—Sole proprietor for Ohio, D. E. GARDNER, Marietta, Ohio. 84*

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. 106

TO MANUFACTURERS AND PATENTEES.—A person of business habits would be willing to invest some \$3,000 to \$5,000 in an established manufactory in Brooklyn or New York, or in the production of a newly patented article of real merit and general use. Address A. B. C., to the care of the Editors of this paper. No letter will be taken from the office unless post-paid. 102*

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, \$250 and \$310. 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, center 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 6000 lbs., when finished. 81f

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 E. A. SIBENMANN, Importer of Watchmakers' and Jewellers' Files and Tools, and manufacturer of Mathematical Instruments, 154 Fulton street. 13m

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 481f

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. 111f

MACHINERY.—S. C. HILLS, No. 12 Platt Street, N. Y., dealer in Steam Engines, Boilers, Iron Planers, Lathes, Universal Chucks, Drills, Kasse'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; Mortising 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. 461f

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. 401f

LAP-WELDED WROUGHT IRON TUBES for Tubular Boilers, from 1 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, 81f 28 Platt st., New York.

HISTORY OF PROPELLERS.—This interesting and useful volume, compiled by one of the Editors of the Scientific American, from articles previously prepared for, and published in, Vol. 5 of that paper, is now ready for the Trade. It contains 144 pages of letter-press, and 82 illustrations, embracing views of nearly every kind of propeller that has been invented. This work is beautifully bound in cloth, and is sold at the low price of 75 cts. We also have them in paper covers, for mailing—price as above. Address MUNN & CO., at this Office. 461f

FACTORY AND WATER POWER.—For rent or sale.—A factory building in New Brighton, Beaver Co., suitable for woollen or cotton factory, 40 by 96 feet, three stories high, with plenty of water power. The driving power is now being made new, and if applied for soon, can be made to suit the renter. Apply to A. W. TOWNSEND, near the premises, or to J. W. GILL, Wheeling, Va. 38*

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 3 Wall street, New York. 461f

BOSTON LOCOMOTIVE WORKS.—No. 299 Harrison avenue, Boston, manufacture at short notice, Locomotive and Stationary Steam Engines, boilers, iron, copper, composition and brass castings; copper work; Van Huran railroad car and truck wheels, and all kind of railroad machinery. DANIEL F. CHILD, Treasurer Boston Locomotive Works. 11f

TO IRON FOUNDERS, &c.—Fine ground and bolted Foundry Facing, viz.: Sea Coal, Charcoal, Lehigh Soapstone, and Black Lead. Fire Clay, Fire Sand, Keld and Fire Mortar; 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, Maiden Lane, near the Post Office. 84*