

TO CORRESPONDENTS.

"S.O.T., of Miss."—The motion of a machine is always more or less variable, owing to the irregularity, both of the power which works it, and of the resistance which it has to overcome, hence the fly wheel is of great advantage in regulating motion, by its weight it diminishes the effect of increased action, and by its inertia it carries on the machine with uniform velocity.

"J. L., of Ind."—You may think us ungenerous for refusing to read your communication of the 22d inst., but we must do so, even at the hazard of forfeiting your good will. The writing is extremely bad, and the lines are so near together that it is impossible for us to make it out, without spending more time upon it than we can afford to give. Correspondents ought to manifest some judgment when they write us, as certainly our time is of some value. To read and answer such a letter as yours would require a half day's time.

"L. P., of N. H."—You can use the roller without fear of trouble. There is no patent on it.

"A. G., of Geo."—Yours is received. Do not know the prices of the calculator or pump.

"H. P. C., of Mass."—We can furnish 17 numbers of the first part of Vol. 4, at 50 cts. Thank you for those numbers.

"H. A., of R. I."—We ordered the numbers of the "Journal" you are short of some time since—and are surprised that they have not been sent. The order has been renewed at your request.

"D. E. G., of Ohio."—Your order has been attended to. The plate was sent to Mr. P., at Philadelphia.

"Messrs. P., of Mass."—There is none of the liquid glass to be found in this city, to our knowledge, as an article of sale; pure bismuth is \$2 per pound, granulated tin is 50 cents per pound, foil \$1, pure lead is 12½ cents per pound.

"T. J. C., of S. C."—An engine of 10 horse power is sufficient to drive one of the planing machines.

"W. H. R., of Pa."—We do not find the claims of Mr. Brown in the list of '42 or '44. You must be mistaken in the date.

"H. A., of Providence."—The back numbers of the Journal have been ordered again, we do not understand the cause of the delay, as we wrote for them some months since, and were informed that they would be sent without delay.

"C. E., of Pa."—We have sent you the back numbers from the commencement of this volume. The articles upon the Voltaic Battery will furnish you with all the information you desire. They are prepared by one of the best electro-metallurgists in this country.

"E. A. J., of Mo."—We think your ideas are not correct. You ought not to attempt to deal with such hard subjects without more knowledge of them.

"C. J. F., of Me."—We do not know of any second-hand engines of 5 horse power for sale. You would need one of that capacity, and it is not improbable that we may be able to find one soon which would answer your purpose. The shingle machine we can furnish at any time, see advertisement.

"C. R., of Miss."—See our advertisement of Foreign Patent Agency in another column. We do the business with much facility.

"Z. E. W., of Pa."—The cylinder should not be over one foot long. It can be sent by express to this office.

"McCormick & Naylor."—We have received for you 20 dollars, which is subject to your orders.

"L. L. H., of N. Y."—The information you solicit cannot be obtained. Mr. B. says he is not ready to divulge his secret yet.

"T. R. W., of Ohio."—We do not see anything that could be patented in your churn.

"P. S. W., of Pa."—We have never seen an arrangement like yours, but we cannot look upon your secondary shaft in any other light than negative, for it is the first which drives the one you intend to get the speed from.

"G. W., of Pa."—There is no patent existing in this country upon Fourneyron's Turbine that we know of.

"T. W. B., of Geo."—A good set of draughting instruments will cost \$25. Inferior sets can be bought for less—they cannot be sent by mail. We thank you for the fine list of subscribers.

"L. F. W. of N. C."—We cannot perceive any difference in the principle of your invention from that of the barrel organ, but we never saw it applied to a piano. We do not believe you could get a patent. The principle of your pump syphon, is well known, but it is so difficult to render practical that it has never been used for any purpose, but for emptying liquor from one vessel to another.

"M. D., of R. I."—There is a work published by Appleton for \$1, which professes to give you all the necessary light on the subject.

"J. K., of N. Y."—We will endeavor to have something for you in the course of two or three weeks.

"J. L. N., of S. C."—We have been trying to get the information which you desire so as to be of benefit to you; as yet, we have not been able to do you justice, for there is a great contrariety of opinion among those we have consulted.

The specifications and drawings of the following inventions have been forwarded to the Patent Office since last acknowledged through the columns of the Scientific American.

S. & T., of Phila., improvement in a jacquard machine.

A. D. S., of N. Y., improved grate for stoves, etc.

H. A., of Ill., improved harvester.

W. & F., of L. I., caveat.

F. C. G., of N. J., improvement in door locks.

E. E., of N. Y., improvement in ice cream freezer.

L. F. W., of N. C. self-rocking and portable swinging cradle. (An engraving of this invention will appear in the next number of the Scientific American.)

Money received on account of Patent Office business, since Nov. 6, 1850:—

W. C. W., of Me. \$50; L. W. P., of N. Y. \$55; E. E., of N. Y. \$20; and G. D., of Ohio, \$50.

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 fees 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 not be inserted in connection with them for any price.

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, scythe snaths, window 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

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 winder; 1 band machine; 1 bundling press; 1 warper—on very reasonable terms, by ELI WHITNEY, New Haven, Nov., 1850. 9 6

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. 8f

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 FULTON STREET, NEW YORK.

AMERICAN AND FOREIGN PATENT AGENCY.

WE WOULD remind our numerous friends throughout the country, that we still continue to conduct the business of procuring Letters Patent for new inventions in this and all foreign countries, where the right is recognized. Since making arrangements with those eminent attorneys, Messrs. Barlow, Payne & Parken, Editors of the London Patent Journal, we have secured and managed through them, several foreign applications, with the utmost economy and facility. Inventors and others, desiring advice upon this subject, can correspond confidentially with the Editors of this paper.

BLODGETT & LEWIS'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. Lewis, 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. 9f

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. 9 2*

PATENT METALIC OIL FOR MACHINERY.—Warranted not to gum. Manufactured under Cumberland Brothers patent (April 6th 1849), by C. L. 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. Pure White Metal, 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 Metal, 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 greasy ever used for that purpose. KENNEDY & GELSTON, Sole Agents, 50 3m No. 8 Pine 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—prices as above. Address MUNN & CO., at this Office.

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. 8, 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 80 good felloes in one hour. 6tf

RAILROAD CAR MANUFACTORY.—TRAFCY & 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. 5tf

TIN PLATE AND SHEET IRON WORKERS.—ROY'S & WILCOX, Mattabessett Works, East Berlin Station, on the Middletown Railroad, manufacture all kinds of Tools and Machines of the best quality, both in material and workmanship. This establishment being the only one where both tools and machines are manufactured, superior inducements are offered to the trade; all work warranted, with fair use. Agents in most of the principal cities of the United States and Canada. Orders promptly attended to. F. ROYS, E. WILCOX. 7 lamly Berlin, Conn., Nov. 1, 1850.

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. "Le Brevet d'Invention," weekly journal, published by the same firm. 3 4eow*

TWO HAMMERSMITHS.—Wanted, a Tilter. Apply to the N. Y. Cast Steel Works, foot of 24th street, East River, New York. 6tf

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. 3 6m

ALLEN'S PLANING MACHINE.—Sole proprietor for Ohio, D. E. GARDNER, Marietta, Ohio. 8 4*

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 awells 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

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. 1 3m.

TWO PAINTERS AND OTHERS.—American Anatomic Drier, Electro Chemical graining colors, Electro Negative gold size, and Chemic 1 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. 4etf

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. 1 1f

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, 28 inch, \$120. Orders addressed to J. D. Johnson, Redding Ridge, Conn., or to Munn & Co., "S Am." Office, will meet prompt attention. The above machine can be seen in successful operation at P. R. Rouch's mills, No. 139 Bank st., this city. 5tf

MACHINERY.—S. C. HILLS, No. 12 Platt Street, N. Y., dealer in Steam Engines, Boilers, Iron Planers, Lathes, Universal Chucks, Drills, Kae'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. 46tf

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 a machine shop. 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

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, 28 Platt st., New York. 8tf

BRUSH'S IMPROVED DOUBLE-ACTING LIFT AND FORCE PUMP.—From the increased facilities of the subscriber, he is now prepared to furnish, at a reduced price, the most of factual, powerful, durable and yet simple Lift and Force Pump in use. For a house pump, factories, breweries, railroad stations, or any other purpose, where a constant stream of water is required, they cannot be surpassed. The public are cautioned against an article purporting to be Brush's Pump, but are invited to call at or address 53 Pike Slip, and get the original. J. A. BRUSH, Inventor. 49 3m*

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. 3 6*

FOREIGN PATENTS.—PATENTS procured in GREAT BRITAIN and her colonies, also France, Belgium, Holland, &c., &c., with certainty and despatch 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, 46tf Office 5 Wall street, New York.

BOSTON LOCOMOTIVE WORKS.—No. 360 Harrison avenue, Boston, manufacture at short notice, Locomotive and Stationary Steam Engines, boilers, iron, copper, composition and brass castings; copper work; Van Kuren railroad car and truck wheels, and all kind of railroad machinery. DANIEL F. CHILD, Treasurer Boston Locomotive Works. 1 1f

IRON FOUNDERS, &c.—Fine ground and bolted Foundry Facing, viz: Sea Coal, Charcoal, Lehigh Soapstone, and Black Lead. Fire Clay, Fire Sand, Kead and Fire Mortars; 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. 8 4*