

TO CORRESPONDENTS.

"M. R., of Ohio."—The best work on the steam engine is Tredgold's. It is now publishing in parts. It is somewhat expensive—but it is complete in all its details.

"A. C., of Conn."—The expense of an application would cost you at least \$55. We would not advise you to apply for an improvement on the ballance valve, there is no probability, we think, of getting a patent. You think that the Electro Magnetic Engine will never supersede the steam one, owing to the acid and zinc being so scarce, so we think, and more expensive too on that very account.

"J. W., of Mass."—You ask us to give the reason why the Pulley Engine of Mr. Yates gains so much power after we have proved that no power was lost by the crank. We have never said that the pulley engine gained either power or leverage. We only stated that it beat the crank. We will thank any body to prove any more than we have done, we only stated facts with respect to its speed on trial. The pulley has broken a number of times since, the patentee says, it is owing to bad workmanship.

"T. A. D., of Ind."—Yours of the 20th ult is received and has been filed for attention whenever your interests may demand. \$1 received and credited.

"H. M., of Vt."—We have ascertained that the machine plate, of the size and quality you require, will cost \$10. You can order it through this office if you prefer.

"B. L., of Geo."—We were obliged to write Messrs. Carter & Harris for information in regard to the corn sheller, but have received no reply. We presume from this fact that they do not wish to dispose of the machines.

"A. C., of Ohio."—We can see no loss by the crank, if others can. The only way to convince the world and us of the superiority of the rotary engine, is to build one and test it fairly in all points, with a reciprocating one. The loss of time which you speak of, is no loss, if the power is not lost.

"E. W., of S. C."—The hydraulic rams could not, that we can see, answer your purpose, for draining. Windmills which are used in Holland, would be far better. Mr. G. Page, of Washington, D. C., constructs windmills that would answer your purpose. We know of no machines to accomplish the drainage of your fields, but the steam engine or windmill.

"W. S. G., of Mass."—Agitators have been used in boilers; we do not believe your plan patentable, although it is no doubt a very good one.

"A. H. S., of La."—We do not believe the story about the air gun, we think precious little of air guns for sporting purposes. We will tell you the price of the rifle, &c., again.

"C. B., of Ohio."—Music bells—a set have long been used in some of the spires in Europe, on which tunes are played at regular periods, the same as we ring bells. Musical glasses are well known. Their music is the sweetest we have ever heard—like what we would attribute to fairies, but glass music bells we have never heard. The musical glasses are tumblers selected in the manner you propose to select for your glass bells. We don't believe they could be patented.

"A. M. G., of Texas."—We are gratified to hear that you are in a way to recover your health. We would be glad to advise you, but we fear to do it as there are so many specifics recommended about which we have no knowledge. You can probably make arrangements with L. M. Wiley & Co., of this city, a well known house, to receive your consignments. They do considerable in this way, and we advise you to write them.

"T. E. R., of N. Y."—The alembic is used for distillation, when the products are too volatile for the use of the retort. Evaporating vessels are made of wood, glass, metal or porcelain. They are generally in the form of shallow basins.

"P. C. R., of Pa."—The progress of water through a pipe is greatly retarded by every deviation from a straight direction, and by every enlargement, contraction, projection, or roughness it meets within its passage, therefore you should make the pipes as straight as possible.

"F. H. & Co., of Tenn."—The names of the subscribers you forwarded are all properly entered on our books, and the papers have been sent as directed. We cannot prevent the papers from being rubbed in the mail.

"J. P. H., of Va."—We believe that Foster & Bailey's rock drill would answer well for coal mining—we should like to see it tried. The pick and jumper are the only instruments used that we know of. With respect to the salt we do not believe that magnetism could be profitably applied, but it might. Try the galvanic battery, it may precipitate the iron very quickly without depositing the salt. Have you tried newly slacked lime? it is surely better than alum, try it.

"W. O. P., of S. C."—The hydraulic ram could not avail you anything for lifting the water and draining your 150 acres. At the very least it would be a great expense since it must be pumped. A windmill, may answer well, but a steam engine is the most certain. We would choose the latter, but Mr. G. Page, of Washington, constructs very good and cheap windmills.

"B. M. F., of N. Y."—You ask if it is not the common opinion among philosophers, that an increased pressure of the atmosphere facilitates the flow of water. It is not, if you mean rivers and streams. If you mean condensed air pressing on water in an air chamber of a pump, then it is, for the air striving to expand to the common pressure of the atmosphere acts mechanically upon the water, to force it out of the discharge pipe.

"M. H., of Tenn."—Air differs from other fluids in four particulars: 1st, it can be compressed into a much less space than it naturally possesses. 2d, it cannot be congealed or reduced to a solid state. 3d, it is of a different density in every part upwards from the earth's surface, decreasing in its weight as its distance from the earth increases. 4th, its elasticity, or the force with which it springs, is equal to the incumbent weight.

We have several communications on hand awaiting attention. They will receive it as soon as we can reach them.

Money received on account of Patent Office business, since Oct. 30, 1850:—

O. C., of Ohio, \$50; H. B., of Mass., \$30; S. & T., of Pa., \$35; A. G. B., of N. Y., \$25; H. A., of Ill., \$30, and W. & F., of N. Y., \$32.

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., " "
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TO TIN PLATE AND SHEET IRON WORKERS.—ROY & WILCOX, Mattabessett Works, East Berlin Station, on the Middletown Rail Road, 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.
Berlin, Conn., Nov. 1, 1850. 71amly

UNITED PATENT OFFICE IN PARIS AND LONDON.—GARDISSAL & CO., 29 Boulevard St. Martin, Paris, and No. 9 Arthur street, city, London. Patents procured in Great Britain and on the Continent. "Le Brevet d'Invention," weekly journal, published by the same firm. 346w*

TO 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. 36m

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

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.

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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 & Parkes, 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.

WOODWORTH'S PATENT PLANING

Machine 1850 to '56.—Decisions have been rendered in the U. S. Courts, in every part of the Union, having fully and finally established all the claims of the Woodworth Patent, the subscriber is prepared to dispose of rights to use the machine in the Counties of Queens, Richmond, Rockland, Suffolk, Westchester, and the other unoccupied Counties and Towns in the State of New York and in Northern Pennsylvania. Ninety-nine hundredths of all the planed lumber used in our large cities and towns continue to be dressed with Woodworth's machines, which may be seen in constant operation in the steam planing mills in New York, Brooklyn, Williamsburgh, Albany, Troy, Utica, Rome, Syracuse, Rochester, Lockport, Buffalo, Elmira, Gibson, Oswego, Ithaca, Binghamton, &c. &c. Persons holding licenses from the subscriber are protected by him against infringement on their rights.
JOHN GIBSON.
45* Planing Mills, Albany, N. Y.

PATENT METALIC OIL FOR MACHINERY.

Warranted not to gum. Manufactured under Cumberland Brothers patent (April 6th 1849), by C. B. 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 & GILSTON, 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—price as above. Address MUNN & CO., at this Office.

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. 4 3meow*)

12 POWER PLANING MACHINES.

SCRANTON & PARSHLEY, New Haven, Conn., have now finishing up 12 power Planers that will plane 8 feet long, 27 inches wide and 24 inches high; these planers are of the first quality, are self-leading every way; the table is worked by a rack and pinion, the bed is 12 feet long. With each planer there is a splining head and counter shaft, pulleys and hangers. They weigh about 4000 lbs., the price, boxed and ready to ship, is \$625. Also 12 hand lathes, with back gear on iron shafts, and legs 7 feet long, swing 20 inches, about 700 lbs. weight—\$75. These lathes are of the first quality. 1tf

FELLOE CUTTING MACHINE.

—Messrs. JOSEPH ADAMS & SON, Amherst, Mass., offer for sale town, county and State rights, or single machines, with the right to use, of this unrivalled Felloe 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 fellows in one hour. 6tf

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 Manufactory 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.
5 tf.

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,
October 29, 1850. 25 Platt st., New York.

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

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*

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. 48tf

COTTON, WOOLEN AND SILK MANUFACTURERS' DELOT.—ANDREWS & JESUP.

No. 70 Pine st., N. Y., dealers in articles for the use of Cotton, Woollen 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. 11f

WOOD'S PATENT SHINGLE MACHINE.

—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. Roach's mills, No. 135 Bank st., this city. 51f

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 Processes, Punches, and Shears; Morticing and Tenoning Machines, Belt-ing, 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, woollen and other mill. Cotton and woollen 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, planing, 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

WOODWORTH'S PLANING MACHINE

—For sale, the right to use this justly celebrated labor-saving machine in the following States, viz. Pennsylvania west of the Allegheny Mountains, Virginia west of the Blue Ridge, Ohio, Indiana, Kentucky, Tennessee, Wisconsin, Iowa, Missouri, Arkansas, Texas, Louisiana, Florida, Alabama and Mississippi. For particulars apply to the Proprietor, ELISHA BLOOMER, 304 Broadway. 51 tf

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 effectual, 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 83 Pike Slip, and get the original. J. A. BRUSH, Inventor. 49 3m*

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—For rent or sale.—A factory building in New Brighton, Beaver Co., suitable for woollen or cotton factory, 40 by 90 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 8*

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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. 1tf

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—Fine ground and bolted Foundry Facing, viz.: Sea Coal, Charcoal, Lough Soapstone, and Black Lead. Fire Clay, Fire Sand, Kewell 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*