

TO CORRESPONDENTS.

"G. W., of Ky."—If it would not cost you too much, get up a small model and send it to us, and then we will be able to give you correct advice.

"C. M. M., of N. Y."—See Vol. 2, No. 42, and Vol. 3, page 36 for tidal wheels. We do not see anything new in yours.

"H. R., of Mass."—We have seen a seed planter having its slide operated as you described, with cams fixed around on the wheel; it is patented; see Pratt's No. 28, Vol. 3, Sci. Am.

"B. M., of N. H."—If it could be proven that you were the first inventor your patent would be sustained. It does not follow that one or two scales made before you got your patent, invalidates your rights.

"E. B. L., of N. Y."—Yours next week.

"D. E. S., of Mass."—Your coupling for bedsteads was exhibited in our office about three months ago, and a patent applied for.

"W. H. B., of Mass."—We are preparing engravings of your bath, which will appear in the Scientific American in one or two weeks.

"Jos. E. Andrews, of Boston, and Thos. T. Wilcox, of Taunton, Mass."—We sent each of you a document for signature several weeks since.

"Geo. S., of Ala."—We will try and give you as good advice as we are able, next week.

"W. P., of Mo."—Communicate with the gentlemen in Ala. or Geo., about Mr. Rich's wheel, as seen in our first page: it is a good one.

"L. E. R., of Ill."—We like the horizontal the best, an oscillating engine is good—one of the latter class, of three horse power, you can get complete for \$150; boiler and all would cost \$350; it would work to 4 horse power.

"M. A. L., of Ala."—You must have resided in this country one year next preceding the application for a patent, and made oath of your intention to become a citizen thereof; this will entitle you to receive a patent upon the same terms and conditions as though you were a citizen.

"E. B. F., of Pa."—The prices of the Cameras vary according to size and quality. You can ascertain all the particulars by addressing B. Pike & Sons, this city; we believe they make them.

"J. P. M., of La."—We do not think your device would pay very well; they would not be in much demand; apparatus designed for the same purpose is now in use. You are credited \$4.

"J. F. Reigart, Esq., Pa."—Your favor of the 19th came safe to hand, for which we are very much obliged. We have addressed Mr. Potts in regard to the Bark Mill.

"W. M. P., of Va."—We will attend to your request next week.

"J. C., of Ohio."—We will answer you next week.

"R. H., of Cin."—About the saw you are right, as we have since learned, and might have thought so, before. We do not see how your propeller could be applied advantageously at the bow, but the very reverse.

"P. F. L., of Ind."—There have been wheels invented with buckets working on hinges. They are called tidal wheels. The number of arms is not patentable. We do not see in your description any new point on which to base a claim for a patent.

"S. M., of Pa."—Your substitute for the crank has been examined, and we regret to state is one of the oldest principles known for that purpose. No patent could be obtained for it. The principle is not good.

"H. G., of N. Y."—There is nothing new in your pump. The principle is well known and could not be patented.

"J. B. F., of Geo."—You will find a correct answer to your enquiry in the last paper.

"H. L. M., of Pa."—Your favor of the 12th enclosing \$4 is received. We are not in a position to hear anything favorable in the way of business for you.

Money received on account of Patent Office business, since Oct. 15, 1850:—

V. H. & N. H., of N. Y., \$20; H. A., of Ill., \$40; E. G., of Mass., \$10; W. H. B., of Mass., \$20; E. E., of N. Y., \$30; L. F. W., of N. C., \$65; A. I. C., of N. Y., \$32. and J. O., of Conn., \$25.

Bound Vol. 5, Now Ready.

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.

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.

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 outs cannot be inserted in connection with them for any price.

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.

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

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.

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.

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.

"Mr. Byram has established his reputation as one of the first clock makers in the world."—Scientific American.

PROSSER'S PATENT LAP-WELDED

Table with 3 columns: Diameter, Number and Length of each at date; In Stock; Afloat. Rows include sizes like 11-4, 11-2, 13-4, etc.

THOS. PROSSER & SON, Patentees, October 22, 1850. 28 Plattst., New York.

Patent Office.

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.

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.

WOODWORTH'S PATENT PLANING

Machine 1850 to '56.—Decisions had the present year 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.

DUPLICATES OF DRAWINGS.—One hundred or more copies of the drawings required by the Patent Office, can be furnished at short notice, and upon reasonable terms, by MUNN & CO., Scientific American Office, who have made arrangements to duplicate drawings of machinery and inventions, at prices varying from ten cents per copy, upwards.

PATENT METALIC 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.

12 POWER PLANING MACHINES.—SORANTON & PARSHLEY, New Haven, Conn., have now finishing 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-feeding every way; the table is worked by a rack and pinion; the bed is 12 feet long.

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.

TO IRON FOUNDERS, &c.—Fine ground and bolted Foundry Facing, viz.: Sea Coal, Charcoal, Lehigh, Soapstone, and Black Lead. Fire Clay, Fire Sand, Keold 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.

COTTON LOOMS.—100 second-hand 44, have been well used but a short time, modern pattern, and as good as new; they will be sold low to close a concern, and can be seen at any time upon application to S. C. HILLS, Machinery Agent, 12 Platt st., N. Y. Letters must be post-paid.

DR. STEWART'S SAFETY FLUID LAMP.—Rights for any of the States, or for the whole United States, for this valuable Lamp, patented July, 1850, are now offered for sale on the most liberal terms. Land, or good trade, will be taken in part payment. Dr. FRANK STEWART, Swaim's Laboratory, Seventh st., below Chestnut, Phila.

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, 1500, per 11 hours.

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.

TWO PAINTERS AND OTHERS.—American Anesthetic 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.

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, satin and jean warps, &c.

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.

MACHINERY.—S. C. HILLS, No. 12 Platt Street, N. Y., dealer in Steam Engines, Boilers, Iron Planers, Lathes, Universal Chucks, Drills, Kaele'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 Tenoning Machines, Belting, machinery oil; Beal's patent Cob and Corn Mills; Burr Mill, and Grindstones, Lead and Iron Pipe, &c.

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.

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.

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.

BURR MILL STONES.—We have made arrangements which will enable us to supply all kinds of French Burr, Holland and Esopus Mill Stones of the best material and manufacture, at the lowest prices.

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.

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.

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 4eov*