

TO CORRESPONDENTS.

G. F. X., of N. Y.—From your letter we cannot learn much about your "pans," as the description is vague, but you will not infringe on any in use, we believe.

F. D. M., of La.—You will find an engraving and full description of the Gen. Semplar's Prairie Steam Car in Vol. 1, No. 26, Sci. Am. We think Mr. Semplar's plan impracticable, although we are of the opinion that cars may be easily constructed to be operated on prairies by a stationary engine.

L. H., of Mass.—Your letter has been forwarded to Messrs. Couch & Alcott, who will give you attention.

H. W., of N. Y. City.—We have seen the notice you speak of in the "Farmer and Mechanic;" the improvement is no doubt a good one; you will find an engraving of it on page 377 Vol. 4, Sci. Am., Col. Stearns resides in Dover N. H.

A. D., of S. C.—There is a difference between your Cotton Gin and the one patented by John Du Bois, as you will see upon reference to page 404, Vol. 4, Sci. Am.

A. M., of Ct.—We shall be glad to hear from you often; you will see that we are engaged upon the subject now, and all additional facts connected therewith are of value to us. You understand the subject.

A. B., of N. Y.—We pay particular attention to securing patents in France, and have located in Paris one of the most able and active gentlemen connected with the profession. We are ready to attend to your case immediately.

J. W. C., of Ind.—Mahan's work on Civil Engineering is an excellent one; price \$3. \$4 received and credited for two subscriptions, for which we are much obliged.

W. S., of Ohio.—Mr. John A. Etlzer resided in Philadelphia at the time his patent was issued.

J. B. R., of Ala.—We do not see how we could effect such an exchange as you propose. The supply of patented pumps is much beyond the demand in this section. We would do so with much pleasure if we could.

R. E. F., of F. C.—The point you bring to our notice is a very old one and could not be secured by a patent. John White, of New York, obtained a patent in 1835 for coffins of artificial stone or marble, and we believe it has never been introduced to any great extent. The metallic sarcophagi made by Raymond & Fisk, of this city, are of a more convenient and beautiful arrangement, and have been much used in transporting dead bodies from one place to another.

H. M., of Vt.—We shall keep your matter in mind, and may publish an engraving before long.

H. C. E., of Va.—In case of an application for a patent for additional improvements the claim in the original patent is subject to a re-examination, and if it shall appear that any part of the claim was not original at the time of granting the patent, a disclaimer must be filed for said part, or the claims restricted.

J. S. H., of N. Y.—There is no new process for stereotyping practiced; the old system is still pursued in all our foundries, and we believe it will be difficult to supplant it because it is so simple.

A. B., of Conn.—Your plan of the electro-magnet will certainly accomplish the object, but it is the same as Bain uses for his Electric Clock. We have seen two or three plans proposed to accomplish the object. You, we have no doubt, can devise a plan, but we do not believe that it would be of any pecuniary benefit.

O. C., of N. Y.—The great object and use of the plow is to turn over the land completely, covering the surface under. Your invention would defeat the object desired. A vertical revolving cylinder is not new in the plow. We have a model of one in our office. Your letter is O. K.

J. T. A., of Va.—A tub wheel we would not use, and we do not know who makes it. Parker's is good—none better. Did you write to Philadelphia? If you don't get an answer you must apply at some other place. Write to Mr. Finlay, at Cold Spring, Dutchess Co., N. Y., for his wheel, it is good and cheap.

C. A., of Pa.—Your engravings were forwarded to Mr. Dean, at Boston, by Express last Friday.

J. G. F., of Ill.—There were nine numbers of Dugan's work published before the work ceased, and sets of those can be furnished at \$0.75 each set, or 75 cents per number for any part desired.

B. S., of N. Y.—We should be glad to benefit you in regard to the bridge, if possible, but do not know of any concern at present who would undertake it. If we chance to hear of any you shall be informed.

R. B., of Phila.—Caveats are confidential papers, and no one outside of the office, except the inventor, can give such information as you ask. No caveat of this kind has passed through our office. This is all we can say about it. The fee is \$20.

H. C. B., of O.—Your letters are received, and the drawing which you enclosed are in progress of execution on wood. \$10 received.

T. E. W., of N. Y.; W. B., of O., and G. L. H., of Conn.—It was our intention to have forwarded your patent papers for execution last week, but owing to the illness of the examiner under whose supervision that class of inventions comes to which yours belong, the cases have been necessarily delayed until this week.

N. B., of N. Y.—An engraving of your invention in the Scientific American is what you should get as soon as possible, that is, if you have a true sense of that which would benefit yourself, and at the same time extend the area of useful knowledge.

S. K. J., of Mass.—It is not expected of you that you will be able to define all the applications of your inventions in a caveat, but it is best, for many reasons, to be as full as possible.

C. M. D., of Ala.—We will endeavor to get up engravings of a good hydraulic ram, and present as much information on the subject as we possibly can.

E. A. W., of O.—Your rail is new, but it would certainly be more expensive than any now in use, and the same advantages are gained by placing the posts of sleepers in elastic felt, as is now done on some of the English railways. The rail is patentable, it is for you to judge of its payability.

E. S. H., of N. Y.—Your plan for the draught of chimneys is already the subject of a patent.

T. A., of Illinois.—The best cement you can use for your belts, is a strong solution of good isinglass. When you write for information always have the goodness to pay the postage. When you send money to pay for the papers we will send them.

H. M., of C.—We know of no Plane like yours; it appears to be new and useful. In getting up the engravings of any machine, we prefer to take our drawings from a model, otherwise, in every respect, the inventor must take all the responsibility.

J. C. D., of Pa.—We are about as much perplexed as you; we have not yet seen an experiment.

Money received on account of Patent Office business since May 20:

A. W. J., of Del., \$30; M. H., of Pa., \$30; M. & G. of S. C., \$1,000; A. F., of Mass., \$30; L. L., of Mass., \$30; T. E. W., of N. Y., \$50; L. C., of Ct., \$20; H. W., of Pa., \$30; R. McC., of Pa., \$50; G. H. R., of Ill., \$12.50.

Specifications and drawings of inventions belonging to parties with the following initials, have been forwarded to the Patent Office since May 20:

G. W., of Ky.; A. W. J., of Del.; S. W. K., of Pa.

Back Numbers and Volumes.

In reply to many interrogatories as to what back numbers and volumes of the Scientific American can be furnished, we make the following statement:

Of Volumes 1, 2, and 3—none.
Of Volume 4, about 20 Nos., price 50 cts.
Of Volume 5, all, price, in sheets, \$2; bound, \$2.75.
Of Volume 6, all back Nos., at subscription price.

New Edition of the Patent Laws.

We have just issued another edition of the American Patent Laws, which was delayed until after the adjournment of the last Congress, on account of an expected modification in them. The pamphlet contains not only the laws but all information touching the rules and regulations of the Patent Office. We shall continue to furnish them for 12-1-2 cts. per copy.

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 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 out cannot be inserted in connection with them at any price.

American and Foreign Patent Agency.

IMPORTANT TO INVENTORS.—The undersigned having for several years been extensively engaged in procuring Letters Patent for new mechanical and chemical inventions, offer their services to inventors upon most reasonable terms. All business entrusted to their charge is strictly confidential. Private consultations are held with inventors at their office from 9 A. M., until 4 P. M. Inventors, however, need not incur the expense of attending in person, as the preliminaries can all be arranged by letter. Models can be sent with safety by express or any other convenient medium. They should not be over 1 foot square in size, if possible.

Having Agencies located in the chief cities of Europe, our facilities for obtaining Foreign Patents are unequalled. This branch of our business receives the special attention of one of the members of the firm, who is prepared to advise with inventors and manufacturers at all times, relating to Foreign Patents. In the item of changes alone, parties having business to transact abroad, will find it for their interest to consult with us, in preference to any other concern.

MUNN & CO., 128 Fulton street, New York.

NEW IMPROVEMENT IN PLANING MACHINES.

Having received Letters Patent for my new improved Planing Machine; for planing boards and plank, I now offer for sale machines and rights for States, counties, or cities. My improved machine is unlike all others in its operation, and it will produce more work and of better quality than any other now in use. The principles of its operation are simple. The amount of work done is only limited by the number of persons feeding the machine. A matching apparatus works in connection with this machine by which the boards are planed and matched in the same operation. The planing and matching are superior to that of the hand-plane; and both sides may be planed at once if desired. One of these machines will be in full operation at the machine shop and foundry of Messrs. F. & T. Townsend, this city, by the 1st June. GEO. W. BEARDSLEE, 764 Broadway, Albany.

WOODEN BOWL MACHINE.

I would inform the public that I am empowered by Addison Everett, of Middlefield, Mass., to dispose of rights for his recently patented Bowl Turning Machine, described in No. 52, Vol. 5, Scientific American. A machine may be seen at Dunlap's Hotel, 135 Fulton st., N. Y., until the 6th of June, where I may be found to describe it, and also ready to dispose of rights for States or counties. Call between the hours of 9 A. M. and 5 P. M. GEO. E. SEELY, 1\*

LAW'S PLANER FOR PLANK, BOARDS, &c., is now attracting much attention on account of its effectiveness, the excellence of its work, its simplicity, and consequent economy. Machines are now in operation in Brooklyn, New York City, and at various points South and West. Rights or machines for sale by H. LAW, 23 Park Row. 35 tf

WANTED.—A gentleman residing in Alabama is desirous of obtaining the services of a man of sound judgment and good morals, who has no wife—one who understands thoroughly the business of manufacturing chairs. No one but a man who can give the best of reference as to qualifications need apply. Address (post-paid in all cases) to MUNN & CO., this office. 35 4

MECHANICS' INSTITUTE FAIR.—The attention of Mechanics, inventors, and artisans is especially called to the Polytechnic Exhibition, which will open at the rooms, cor. Bowery and Division st., on the 15th of May. Those who wish to exhibit models, machinery, &c., of mechanical skill, and those who would like to carry on, permanently, any mechanical occupation that would be in any way curious or attractive to visitors, are requested to call on the Actuary. Steam power will be provided. Well-lighted, warmed, and airy rooms can be had on liberal terms. As this Exhibition is permanent, an excellent opportunity is offered to skillful mechanics to bring themselves into notice. Articles may be sent in immediately and will be taken care of and insured. Z. PRATT, Pres.; T. C. DODD, Actuary. 34tf

MOUNT PROSPECT INSTITUTE, West Bloomfield, N. J. (6 miles from Newark).—The object of this Institution is to prepare lads for business in every department of active life; mathematics and the sciences receive particular attention; surveying and civil engineering is carefully attended to; students make frequent surveys, and prepare draughts and maps of their surveys, and draw plans of bridges, locks of canals, &c. Instruction is also given in linear, perspective, and mechanical drawing. Terms from \$100 to \$200 per year. The sessions commence on the first day of May and November. WARREN HOLT, Principal and Proprietor. References—Geo. Gifford, Esq., 17 Wall st.; S. R. Parkhurst, Esq., 70 Broad st., N. Y.; Prof. James J. Mapes, Newark, N. J. 34 4\*

LEONARD'S MACHINERY DEPOT, 109 Pearl st. 60 Beaver, N. Y.—The subscriber is constantly receiving, and offers for sale, a great variety of articles connected with the mechanical and manufacturing interest, viz., Machinists' Tools—engines and hand lathes, iron planing and vertical drilling machines, cutting engines, slotting machines, bolt cutters, slide rests, universal chucks, &c. Carpenters' Tools—mortising and tenoning machines, wood planing machines, &c. Steam Engines and Boilers, from 5 to 100 horse power. Mill Gearing—wrought iron shafting, brass and iron castings made to order. Cotton and Woolen Machinery furnished from the best makers. Cotton Gins, hand and power, and power presses. Leather Banding of all widths, made in a superior manner, from the best oak tanned leather. Manufacturers' Findings of every description—bobbins, reeds, shuttles, temples, pickers, card clothing, roller cloth, potato and wheat starch, oils, &c. P. A. LEONARD. 33tf

PATENT CAR AXLE LATHE.—I am now manufacturing and have for sale the above lathes: they will turn and finish six sets per day, weight 5,000 lbs., price \$600. I have also for sale my Patent Engine Screw Lathe, for turning and chucking tapers, cutting screws, and all kinds of common job work; weight 1,500 lbs., price \$225, if the above lathes do not give good satisfaction, the money will be refunded on the return of the lathe, if within six months. J. D. WHITE, Hartford, Conn. 32 13\*

IRON FOUNDERS MATERIALS—viz., fine ground and Bolted Black Lead, Soapstones, Lehigh, Char coal, and Sea Coal Facing Dusts. Iron and brass moulders' Sand, Fire Clay, Fire Sand, and Kaolin in barrels; also best Scotch Fire Bricks, plain, cupola, and side arch shaped, for sale by G. O. ROBERTSON, Liberty Place, (between 57 and 59 Liberty st., N. Y. 36 6\*

WILSON'S PATENT SEWING MACHINE.—This unrivalled and universally approved machine can be seen in operation at No. 195 and 197 Broadway, Franklin House Buildings, third floor, room 23. The public are invited to examine its operation, where they will find the owners prepared to negotiate for the disposal of rights and machines. Apply to WM. S. LOVELL, agent. 35 3\*

1851 TO 1856—WOODWORTH'S PATENT PLANING MACHINE.—Ninety-six hundredths of all the planed lumber used in our large cities and towns continues to be dressed with Woodworth's Patent Machine, which may be seen in constant operation in the steam planing mills at Boston, Philadelphia, New York, Albany, Troy, Utica, Rome, Syracuse, Geneva, Albion, Lockport, Buffalo, Jamestown, Gibson, Binghamton, Oswego, &c. The price of a complete machine is from \$100 to \$1,000, according to size, capacity, and quality. Persons holding licenses from the subscriber are protected by him against infringements on their rights. For rights to use these machines in the Counties of Columbia, Dutchess, Queens, Richmond, Suffolk, Westchester, and other unoccupied counties and towns of New York and Northern Pennsylvania, apply to JOHN GIBSON, Planing Mills, Albany, N. Y. 27 eow6\*

CLOCKS FOR CHURCHES, PUBLIC Buildings, Railroad Stations, &c.—The undersigned having succeeded in counteracting, effectually, the influence of the changes of temperature upon the pendulum, and introduced a new regulator, by which great accuracy of time is produced, also the retaining power (which keeps the clock going while being wound) are prepared to furnish Clocks superior to any made in the United States. Ample opportunity will be afforded to test their performance, and those not proving satisfactory, when completed may be rejected. Astronomical Clocks made and warranted equal to any imported. Glass (Illuminated) Disk of the most beautiful description furnished on. Address SHERRY & BYRAM, Oakland Mills, Sag Harbor, L. I.

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

"Mr. Byram is a rare mechanical genius."—[Journal of Com. 29 12eow\*

BELL TUBING—10,000 lbs.; Speaking Pipes, 50,000 feet. Tin Pipe of every description manufactured to order by KOOLCOCK & OSTRANDER, 57 Ann st., N. Y. 1\*

COTTON MACHINERY FOR SALE.—Viz., 4 Filling Frames, almost new; 1-16 Strand Speeder; 1 Warper; 1 Sapper; 2 Wind-mill Fans; 1 Reel; 1 Yarn Bundling Press; 1 Band Machine, and a large lot of tin cans. Apply to ELI WHITNEY, New Haven, Ct. 37 6\*

SCRANTON & PARSHLEY, New Haven, Conn., will have finished by the 10th of May, 12 Slide Lathes, with 8, 10, and 12 feet beads; these lathes swing 21 in., have back and screw gear, have over-head reversing pulleys, all hung in a cast-iron frame, with drill, chuck, centre, and follow rest. S. & P. will also have 12 upright drill presses ready to ship at the same time; they have also constantly on hand 5 and 9 feet power planers, the same as heretofore advertised in this paper. Hand Lathes and slide lathes constantly on hand. Cuts, with full descriptions and prices, of the above tools can be had by addressing as above (post-paid). 33tf

A CARD.—The undersigned beg 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 st. 29 3m\*

DICK'S GREAT POWER PRESS.—The public are hereby informed that the Mattewan 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 Gummers, Rail Straighteners, Copying and Sealing Presses, Book and Paper Presses, Embossing Presses, Presses for Baling Cotton and Woolen 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. 25tf

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. 37tf

WILLIAM W. HUBBELL—Attorney and Counsellor at Law, and Solicitor in Equity, Philadelphia, Penn.

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. 35tf

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; Mortice and Tenoning Machines, Belting, machinery; Beal's patent Cob and Corn Mills; Burr Mill, and Grindstones, Lead and Iron Pipe, &c. Letters to be noticed must be post paid. 20tf

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. Orders, post-paid, may be forwarded to L. A. SPALDING, Lockport, N. Y. 21tf

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 to JOSEPH P. FIRSON, Civil Engineer, Office 5 Wall street, New York. 37 tf

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. 16tf

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, 29 Platt st., New York. 16tf

LATHES FOR BROOM HANDLES, Etc. We continue to sell Alcott's Concentric Lathe, which is adapted to turning Windsor Chair Legs, Pillars, Rods and Rounds; Hoe Handles, Fork Handles, and Broom Handles. 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 1 inch, and work as smoothly as on a straight line, and does excellent work. Sold without frames for the low price of \$35—boxed and shipped, with directions for setting up. Address, (post paid) MUNN & CO., At this Office. 16tf

STEAM ENGINES AND BOILER.—Several Steam Engines, now finish up, from five to fourteen horse-power; also one of 15 and one of 25. Having just enlarged my manufactory, I am now prepared to make all sorts, from 2 to 50 horse-power, of the best materials in all their parts. One second-hand engine of 8 horse-power, two cylinders, in good order, for sale, with new boiler, \$575. Also Galvanized Chain for chain-pumps. AARON KILBORN, No. 4 Howard st., New Haven, Conn. 32 12\*