TO CORRESPONDENTS.

D. F. P., of La. - Much obliged for the large list of subscribers forwarded by you: the names have been entered to commence with the new volume, which we suppose, will better please the majority of the party than to have their subscriptions commence now The next volume will be far beteerthan the present notwithstanding you esteem this year's so valuable.

J. E. A., of Ct.-A patent was granted to J.E. Larkin, of this State, on Auger Handles, last year, which embraces the same principle as the one you represent, although the construction is slightly different See engraving of Auger Handle on page 388, Vol. 5.

P. O. & Co., of N. Y.—We cannot enter the name of any individual upon our subscription bocks unless the amount of subscription is paid in advance. You cannot make an application for a patent as assignee of a foreigner: the application must be made in the name of the inventor, and, in your case, the full English fees paid (\$500).

D. E. R., of Rochester, N. Y .- The orifice of the safety-valve is made about 0.8 of a circular inch per horse-power for a condensing engine, and 1 1-4 of an inch per horse-power for a high pressure. This is the simplest rule we can give you, and is the answer you want, as we understand by your letter.

J. R., of —.—Ifwe can we will get you the information requested.

S. W. K., of Pa.-We have received your letter and we wish you great prosperity, you deserve it.
G. F. J., of N. J.—We will give yours attention

II. S., of New York .- Yours next week: it will come in good time.

J. C., of New York .- The great objection against your cast-iron blinds is their weight and great price. The latter is no objection against their merits, but it would prevent, we think, an extensive sale. The Patent Office, in all likelihood, would not grant a patent as it would be said they are only of a different materials.

W. W. R., of N. Y.-Yours next week.

J. P. P., of N. C .- Abner Lane, of Killingworth, Ct. has a patent for a machine for turning irregular forms; also Allen Goodman, of Dana, Mass., manufactures a machine for that purpose. The Blanchard machine, of course, you know about.

J. B., of Ky.-We have sent your communication to the inventor, who will reply more fully to your ep. quiries than we are able to. Mr. Hutchinson's stave machine is undoubtedly the best one you could possi bly get.

C. H. P., of R. I.—You can build a carriage after the plan of Adam's Patent without infringing upon Everett's. If the two arrangements are alike, Everett's patent would be of no value to him when brought to the test of law. The one your refer to we had never noticed.

J. S., of Mass.-We do not think you will be able to obtain a patent for your alleged improvement in brakes. Some time since a model was exhibited to us substantially the same as yours, and upon which the inventor made no claim. In the rejected application filed by Wm. Hall, essentially the same contrivance was employed. We cannot advise you to make

J. W. C., of Ind.-We think Mr. G.'s contrivance to be somewhat different from yours. Our opinion is that he will scarcely realize the amount he has paid for the patent. We still advise you to let the matter rest where it now is. You cannot get the patent claims for 1847, that we know of.

J. S., of N. C.—The engine and boiler, concerning which you wrote to us has been sold.

L. A. S., of N. Y.-Your letter containing a draft for \$23 came duly to hand. We have watched daily for the model you mentioned as having sent, but it has not come yet.

Money received on account of Patent Office business since July 21:

J. H. S., of N. Y., \$30; L. P., of N. Y., \$20; W. P., of N. Y., \$20; W. H. B., of R. I., \$30; E. P. C., of Pa., \$33; A. C., of Ct., \$15; J. L. H., of N. Y., \$20; W. H. C., of Miss., \$12; R. H. S., of Mich., \$25; W. C. B., of N. Y., \$60; S. I., of N. Y., \$20; W. R., of Mass., \$32; J. M. C., of Me., \$25.

Specifications and drawings of inventions belonging to parties with the following initials, were forward ed from this office to the PatentOffice from June 24 to July 21 :-

M. S. C., of Ct.; L. P., of N. Y.; T. B. R., of Mass.; T. M. C., of Me.; A. C., of Ct; D. H. T., of Mass.; L. R. B., of Ct.; J. L. H., of N. Y.; J. H., of Yexas; E. P. C., 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 Ameri can 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 121-2 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 shouldnot exceed 16 lines, and cuts cannot be inserted in connection with them at any

American and Foreign Patent Agency.

MPORTANT TO INVENTORS.—The under MPORTANT TO INVENTORS.—The undersigned having for several years been extensively engaged in procuring Letters l'atent 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, 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 Agents located in the chief cities of Europe, our facilities for obtaining Foreign Patents are unequalled. This branch of our business receives the especial 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 charges alone, parties having business to transactabroad, will findit for their interest to consult with us, in preference to any other concern.

MUNN & CO., Scientific American Office, 128 Fulton street. New York.

INDUSTRIAL EXHIBITION.—The "Mary-land Institute for the Promotion of the Mechanic Arts," will hold its Fourth Annual Exhibition of American Manufactures, Machinery, &c., in the splendid new Hall, now being finished at Baltimore, from 20th Oct. to 18th Nov. next. Mechanics, manfacturers, and others are cordially invited todeposite specimens of their best productions, in competitions for the Gold and Silver Medals, Diplomas, etc. Steam power, labor, &c., is offered free to despositors. Great care will be taken that fair play shall be shown to all the exhibitors. Those desiring to deposite articles are required to notify the Committee at once, stating the nature of the goods, and the probable amount of room required to display them to advantage. Circulars containing full particulars, rules, &c., with a view of the Institute's New Hall), may be had by addressing the Agent, J. S. Selby, or the undersigned, who desire it. See editorial columns of Sci. Am., of Aug 2, 1831.

ADAM DENMEAD,

46.5 Chairman Com. on Ex.

TO 1856—WOODWORTH'S PATENT PLANING, TONGUEING,
AND GROOVING MACHINE.—Ninety-sixhundredthe of all the planed lumber used in our large
cities and towns continues to be dressed with Woodworth's Patent Machines. Price of the machines
from \$150 to \$500. For rights in the unocoupied
Counticeand towns of New York and Northern Pennsylvania, apply to JOHN GIBSON, Planing Mills,
Albany, N. Y.

B. WILSON'S SEWING MACHINE—
Justly allowed to be the cheapest and best now in use, patented Nov. 12, 1850, can be seen on exhibition at 195 and 197 Broadway, (formerly the Franklin House), room 23, third floor, N. Y. Rights for territory or machines can be had by applying to GEO. R. CHITTENDEN. B. WILSON'S SEWING MACHINE-

MILLWRIGHT AND MACHINIST.—The undersigned begs leave to draw the attention of all who may have occasion to use machinery to his new and extensive sarrangements for furnishing Steam Engines and Boilers of various sizes, mill kearing and wrought-iron Shatting; Log, Circular, Veneer, Scroll, and Slitting Saws, and other machinery connected with a manufacturing satablishment, upon the most favorable terms at his works, corner Eleventh avenue and West 29th st. THOS. J. WELLS. 464

WANTED IMMEDIATELY---To go South, one smith, two pattern makers, and one finisher, who must not only be good workmen but possess qualifications which belong to gentlemen, they must be temperate, honest, and faithful. To such, permanent employment and good wages will be given. For particulars, address, post-paid, MUNN & CO., at this office immediately.

WOOD'S IMPROVED SHINGLE MA-CHINE—Patented January 8th, 1,—1850, is, without doubt, the most valuable improvement ever made in this branch of labor-saving machinery. It made in this branch of labor-saving machinery. It has been thoroughly tested upon all kinds of timber, and so great was the favor in which this machine was held at the last Fair of the American Institute, that an unbought premium was awarded it in preference to any other on exhibition. Persons we bling for rights can address, (post-paid JAMES D. JOHNSON, Easton, Conn., or Wm. WOOD, Westport, Ct. All letters will be promptly attended to. 37tf

MPORTANT NOTICE.—The subscribers, owners of A. B. Wilson's Sewing Machine, patented Nov 12, 1850, now offerfor sale the following States and Territories:—Vermont, New Hampshire, Virginia, Indiana, Wisconsin, Kentucky. Iowa, Oregon, Florida, California, Louisiana, Ohio, Arkansas, Delaware, and Minesota and Deseret: any of the above territory will be sold to suit purchasers, with or with-out machines. Any communications addressed (post-paid) to E. E. Lee, Earl's Hotel, New York City, will receive prompt attention. E. E. LEE, 45 2* ROYAL BALL.

FOR SALE—One 41-2 feet Iron Planer, weighing 1,700 lbs., a good machine. Also second-hand Engine Lathes—one a screw lathe. Apply to ELI WHITNEY, New Haven, Ct.

42.6*

STOP THIEF.---All editors are requested to pass the scoundrel round. The public are cautioned against a pirate who stole the Model of a Match Splint Machine invented and patented by me on the 20th of April, 1851. The said person is trying to sell my machine under secrecy and pretence that it is his own. He being irresponsibleant not to be believed, I would advise all to beware of him. I will hold all persons who may purchase the right of this machine from him responsible for the payment. L. L. GILLILAND. Dayton, O., July 10, 1851.

ARON KILBORN, No. 4 Howard street, New Haven, has on hand, and is now finishing, five 14 horse-power engines; price, including boiler and all fixtures, \$1200; twelve offrom 12 to 6 horse-power, allof the most approved patterns, iron bed frame and pulley balance wheel. Galvanized Chain, and fixtures for chain pumps always on hand and for sale. 4510*

MECHANICS' FAIR.—The Middlesex Mechanic's Association will epen their first exhibition for the encouragement of the mechanic arts and manufactures in the city of Lowell, on Tuesday, Sept. 16,1851. The Committee of Arrangements for this proposed Fair, respectfully invite and solicit all personsengaged in the various branches of mechanism, manufactures, science, and art, to present specimens of their various products for exhibition and premium. Ladies arecordially invited to present specimens of their rageous products for exhibition and premium day as the articles presented may merit. Articles for exhibition should be sent on or before Sept. 10th. For more particular information or copies of the circular, address (post-paid) J. A. Beard. Esq. Supt., Lowell, Mass. By order, OLIVERM. WHIPPLE, Chairman. M. C. BRYANT, Sec'y.

EONARD'S MACHINERY DEPOT, 109
Pearlst. 60 Beaver, N. Y.—The subscriber is constantly receiving, and offers for sale, a great vaconstantly receiving, and offers for sale, a great varlety 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 tennoning machines, wood pizzing machines, &c. Steam Engines and Boilers, from 5 to 100 horse power. Mill Gearing,—wrought iron shafting, brass and iron castings mide 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 de scription—bobbins, reeds, shuttles, temples, pickers, card clothing, roller cloth, potato and wheatstarch, 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 1500 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.

32 13*

Hartford, Conn.

REAT REDUCTION IN PRICE.—The most of valuable book of the day, containing domestic and medical recipes, rules with regard to the recovery and preservation of health, an account of the different medical theories of the day, useful tables, &c., entitled "THE GRAEFENBERG MANUAL OF HEALTH." It is complete in one volume of saven parts, and is beautifully printed upon fine paper, in a convenient form of 300 pages. The immense success which has attended the sale of previous editions, has warranted a reduction in the price of this (the 7th) edition, from 50 to 25 cts. per copy. Any number of copies, from one upward, will be forwarded upon the receipt of the money, (post-paid). Address THE GRAEFENBERG COMPANY, 214 Broadway, N.Y., or this Office.

BRICK-MAKER WANTED.—I am desirous RICK-MAKER WANTED.—I am desirous of obtaining a foremen for an extensive brick-yard: it will be necessary that he be a sober industrious man, a practical brick-maker, fully competent to superintend the work of 40 men; to such a person a salary of \$500 a year would be given; situation permanent, upon good behavior. Address A. MILLER, Raleigh, Canada West.

ONTGOMERY MANUFACTURING CO'S
Iron Works, Montgomery Ala. Capital invested, \$250,000. Steam Engines and Boilers, Reuben Rich's cast-iron centre vent water wheel and iron scrolls co-aplete (the very best wheel in use), sugar mills, saw and grist mill irons of most approved patterns, iron and brass castings of every variety, &c. Orders promptly executed, and upon terms as favorable as can be secured from the best northern establishments. When required, deliveries made (through their agents) at Mobile or New Orleans. Address GINDRAT & CO., Agents.

ORTISING MACHINE.—Dear Sirs: I received the Portable Mortising Machine about 3 weeks ago: I have used it, and am very well pleased with it. It is the best planof a machine of the kind I have ever seen. W. R. McFARLAND. Nashville, Tenn., June 22. 1851.

The above machines are for sale by MUNN & CO., price \$20—boxed and shipped.

42 tf

BOGARDUS'S CELEBRATED HORSEPOWER.—Cranks, balance wheels, pitmans
or noddle-heads, stirrups, feed hands, saw gate slides
and rods, wragwheels, carriago cogs, dogs, gudgeons,
mill bars, saw gummers, and Hotchkiss wheels and
shafting for saw mills; spindles, bales, drivers, hoisting screw and bales, regulating screws, mill pecks,
bushes, smut machines, shafting and gearing iron wa
ter wheels for fouring mills; fly or roll bars and
plates, paper cutters, Kay's callendaring apparatus for continuous sheets for paper mills; screws
for lathes and presses, jack screws, wrought and cast
iron shafting, pullies and hangers, heavy forging, cotton gin gear, screw-bolts and nuts, slip gudgeons
are manufactured at the Speedwell Iron Works, Morris Town, N. J. Office in New York, No. 9 Gold st,
with Logan, Vail & Co. P. S. Belting and bolting
clotchs supplied to order.

28 lamtf

TIO TIM PLATE AND SHEET IRON WORKERS....ROYS & WILCOX, Mattabesett Works, East Berlin Station, on the Middletown Rail Road, manufacture all kinds of Tools and Machines of the best quality, both in material and work-manship. This establishment being the only one wherebothtools and machines are manufactured, su-perior inducements are offered to the trade; all work warranted, with anada. Olders F. ROYS, E. WILCOX. 7 lamly promptly attended to.

Berlin, Conn., Nov. 1, 1850.

ANTED.—A situation is wanted by a person capable of planning and constructing furnaces for smelting iron ore, or erecting rolling mills. He is an experienced mechanic, thoroughly conversant with the iron business, and would like a permanent situation in some of the Southern States. Address M. E., Dover, N. J. 4510*

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 manulactured Mathematical Drawing Instruments of Swiss and English style, which heofers 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. 42 3m*

Dick's GREAT POWER PRESS.—The public are hereby informed that the Matteawan Company, having entered into an arrangement with the Patentee for the manufacture of the so-called lick'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, Fleases for Baling Cotton and Woollen Goods—Cotton, Hay, Tobacco, and Cider Presses; Flax-seed, Lard, and Sperm Oil Presses; Stump Extractors, &c. &c. The convenience and celerity with which this machine can be operated, is such that on anaverage, notmore than one-fourth the time will be required to do the same work with the same force required to do the same work with the same force required by any other mechine.

25tf No. 66 Beaver st., New York City.

BEARDSLEE'S PATENT PLANING MA-BEARDSLEE'S PATENT PLANING MAchine, for Planing, Tonguing, and Grooving Boards and Plank.—This recently patented
machine is now in successful operation at the Machine Shop and Foundry of Messrs. F.&T. Townsend, Albany, N. Y., where it can be seen. It produces work superior to any mode of planing before
known. The number of plank or boards fed into it is
the only limit to the amount it will plane. For rights
to this machine apply to the patentee at the abovenamed foundry, or at his residence. No. 764 Broadway, Albany. GEO. W. BEARDSLEE.

43tf

TENO PAINTERS AND OTHERS. -- Ame. rican Anatomic Drier, Electro Chemical graining colors, Electro Negative gold size, and Chemical Oil Stove Polisin. 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 chemicallaws, and are submitted to the public without further comment. Manufactured and sold wholesale and retail at 114 John st., New York, and Fiushing, L. I., N. Y., by QUARTERMAN & SON, 35tf Painters and Chemists

ACHINERY.—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; Morticity and Tennoning Machines, Belting, machinery off; Beal's patent Cob and Corn Mills; Burr Mill, and Grindstones, Lead and Iron Pipe, &c. Letters to be noticed must be post paid.

RON FOUNDERS MATERIALS—viz., fine ground and Bolted Sea Coal, Charcoal, Lehigh, Soapetone, and Black Lead Facing. Iron and brass moulding Sand; Fire Clay, Fire Sand, and Kaolin; also English. Scotch, and Wolsh Fire Bricks—plain, arch, circh, circular, and tower cupola, for sale by G. O. ROBERTSON, Liberty Place, between 57 and 59 Liberty st., (near the Post Office), N. Y. 44 12*

PAILROAD CAR MANUFACTORY.--TRA-CY & FALES, Grove Works, Hartford, Conn.

Passage, Freightand 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 goed taste, as well as strength and durability, we are determined our workshall be unsurpassed.

JOHN R. TRACY,

39tf.

THOMAS J. FALES.

AP-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, 16tf 28 Plattst., New York.

ATHES 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,

lars, Rods and Rounds; Hoe Handles, Fork Handles, and Broom Handles.
This Latheis 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.,
At this Office.

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, Vizinia 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.

SCRANTON & PARSHLEY, Tool Builders, New Haven, Conn., having had many applica-ons for castings from their lathe patterns, with beds planed and screw and gearingout, have now made arrangements to accommodate that class of customers; this arrangement will enable small shops, with a little more than half of the amount of ready cash, to get them a new lathe. Cuts of these lathes and other tools can be had by addressing as above (postpaid). N. B. Machinists' tools constantly on hand.

is an experienced mechanic, thoroughly conversant with the iron business, and would like a permanent situation in some of the Southern States. Address M. E., Dover, N. J.

AW'S PLANER FOR PLANK, BOARDS, Lake., 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.

ATTS & BELCHER, Manufacturers of Steam Engines, Lathes, Plauing Machines, Power Presses, and Mechanics' Tools of all descriptions: Washington Factory, Newark, N. J. 38 13* MECHANICS' INSTITUTE FAIR.—The at-