

TO CORRESPONDENTS.

We have received a small box containing models of a Blower and Connection for Hubs and Axles: the person who sent them will oblige us by giving his address that we may communicate with him.

G. R. P., of N. H.—You had better write to C. F. Mann, of Troy, N. Y., for such information about the engine as you require, as we are not able to give it fully. We do not see anything patentable in your method of constructing fence.

T. J. A., of Ill.—With the exception of the springs, the same kind of wheel is described and illustrated in Vol. 4, History of the Rotary Engine. We cannot advise you to apply for a patent.

C. C. of Mass.—We have never known of a table for locomotives constructed like the one represented in your letter, and think it new. You had better ascertain whether it will be likely to meet approval from Companies before attempting to patent it.

C. D. H., of N. Y.—The notice was sent by mistake: your name we found entered correct upon our books.

A. R., of N. Y.—Upon examination of your model for propelling canal boats, we find it is not new. A similar plan is illustrated in Reese's Encyclopedia.

A. S. P., of N. C.—The drawings of your Cart and Scraper is believed to represent a patentable invention.

J. C. S., of N. Y.—No part of a caveat fee can be withdrawn from the Patent Office on the abandonment of a case, but by paying \$10 more into the office, and furnishing a model, new drawings, and specification, the application may be withdrawn, and the amount of the original caveat fee (\$20) be recovered.

E. L. H., of N. Y.—What would you do with the cross-ties in forming your trough? The way to throw the water from the trough, you have not explained. The idea is new. If made to operate economically, it is a better plan than carrying sprinklers.

J. E., of R. I.—You can send us a sketch and description of the improvement, and we will examine it: we have no new publication to send you upon looms.

W. H., of N. C.—We cannot discover any new or patentable feature in your smutting apparatus,—rubbing surfaces working substantially in the manner shown in your sketch, are well known.

A. W., of Texas.—No chisels of the size you speak of are furnished with the machine, although they are suitable for cutting with chisels of the size. Your inquiry about the mill stones we have turned over to a party here for attention.

C. H. B., of N. Y.—Size the leather, place on the gold leaf, and impress with a hot iron.

C. H., of S. C.—If common coal gas is mixed with eight times its bulk of air, it will explode with great violence. This was the compound gas, no doubt, which exploded in your bellows, for pure hydrogen is never set free by the coal. We see no reason why your plan will not work well. We are always obliged to our subscribers for any new and useful information.

H. U., of N. Y.—We made the corrections in your specifications which were suggested.

Money received on account of Patent Office business or the week ending March 13.

W. T. R., of Ct., \$30; J. I. V., of N. Y., \$25; J. S. & S. J. M., of Ct., \$30; W. E. D., of N. Y., \$65; J. P. & Co., of Ct., \$30; J. T., of N. Y., \$30; A. F., of N. Y., \$20; W. D. A., of O., \$25; S. M., of N. Y., \$30; H. W. P., & Co., of N. Y., \$20; P. F. H., of N. Y., \$20; J. H. S., of N. Y., \$5; G. B. P., of Phil., \$30.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending March 13: T. B. W., of Pa.; J. I. V., of N. Y.; E. B., of Pa.; A. C. K., of N. Y.; J. T., of N. Y.; W. R., of Mass.; F. O., of N. Y.; P. F. H., of N. Y.

New Arrangement.

Several of our readers have expressed a wish to subscribe for some literary journal in connection with the Scientific American, not feeling able to take both. We have entered into an arrangement with the publishers of the "American Model Courier," of Philadelphia, and the "American Union," of Boston, which will enable us to furnish either of the two, with the Scientific American, for \$3 per annum. They are literary journals of the first order, and are widely circulated in all sections of the country.

Parties cannot be allowed an addition of one of the Literary papers, as above, by remitting a single dollar after paying their year's subscription to the Scientific American, and money received under such circumstances will be credited in continuance of the Scientific American.

Patent Laws, and Guide to Inventors.

We publish, and have for sale, the Patent Laws of the United States. The pamphlet contains not only the laws but all information touching the rules and regulation of the Patent Office. Price 121-2 cts. per copy.

An Important Paragraph.

Whenever our friends order numbers they have missed—we always send them if we have them on hand. We make this statement to save time and trouble, to which we are subjected in replying when the numbers called for cannot be supplied.

The Post Office Laws do not allow publishers to enclose receipts; when the paper comes regular subscribers may consider their money as received.

Subscribers ordering books or pamphlets are particularly requested to remit sufficient to pay postage.

ADVERTISEMENTS.

Terms of Advertising.

Table with 3 columns: Lines, Rate, Total. 4 lines for each insertion, 50 cts. 8 lines, \$1.00. 12 lines, \$1.50. 16 lines, \$2.00.

Advertisements exceeding 16 lines cannot be admitted; neither can engravings be inserted in the advertising columns at any price.

All advertisements must be paid for before inserting.

INSTITUTE FOR SURVEYORS AND ENGINEERS, West Bloomfield, N. J.—The next session of this Institute will commence May 1st, and continue five months. The course of study embraces Trigonometry, Mensuration of Surfaces and Solids, Heights, and Distances; Navigation, Surveying, Conic Sections, Descriptive and Spherical Geometry, Mechanics, Theoretical Mechanics, Chemistry, Industrial Chemistry, Physics, Industrial Physics, Mechanical Philosophy, Architecture, Steam Engines, Mechanical and Architectural Drawing, &c. &c.—Fees—For board, washing, fuel, lights and tuition, per Session of five months, \$125. No extras. References—George Gifford, Esq., 17 Wall st., N. Y.; S. R. Parkhurst; Maj. J. D. Stevens, U. S. Engineer; J. W. Adams, 25 Nassau st. WARREN HOLT, Principal.

ADVERTISEMENT—NICKERSON'S PATENT FIRE-ARMS—This is the only species of firearms for loading at the breech, that can, with propriety, be adapted to the ordinary musket. Its simplicity admits of great economy and solidity of construction, and is well worthy the attention of merchants, manufacturers, &c., as peculiarly suited to the African, South American, and Indian trade. Fowling pieces may be made with great beauty, dispensing entirely with the ramrod, and are every way preferable to those now in use. Proposals for rights of States, or an interest in the manufacture of the same, will be received (post-paid) by C. V. NICKERSON, Inventor and Patentee, Baltimore, Md. 27 2\*

SCHENCK'S MACHINERY DEPOT, No. 64 Courtland st., N. Y.—Has on hand a great variety of Slide and Hand Lathes, Upright Drills, Steam Engines, of 1-2 and 6 horse power, and will receive order for engines of any size; Universal Chucks, Iron Planers, White's Patent Lathe for turning Railroad Car Axles, Hand Punches, and Shears; F. Harris & Son's Saut and Scouring Machines; Fairman's Chuck Lathe for Boring Car Wheels, &c., all of which I will sell as low and upon as accommodating terms as any house in the city. 27 5\*

SHINGLE MACHINES.—WANTED.—Information in regard to Burt's or any other good machine for sawing shingles; price, weight, size, and power required, work performed, with any other particulars requested. Address FREDK. G. JENNE, 142 Bridge st., Brooklyn, L. I. 1\*

DRILLING MACHINES.—Self-Acting Drilling Machines, of the best construction, capable of drilling holes from one-eighth inch to three inches diameter, with a suitable feed, manufactured and for sale at the Atlas Foundry, corner of Green and Wayne sts., Jersey City. JOHN D. WARD. 27 4\*

JOHN W. GRIFFITHS—Ship Builder and Marine Architect, 658 Fourth st., N. Y., furnished models and draughts of all description of vessels, with the computation of stability, capacity, displacement, and necessary amount of impulsion. Propelling power located and proportionally adapted to the form of the vessel, whether sailing or steaming. Mr. G. also superintends the construction of vessels, and may be consulted upon all subjects pertaining to the various departments of the science or practice of ship building. Draughts forwarded by letter to all parts of the world, and to any desired scale; all letters must be post-paid. 27 13\*

LEONARD'S MACHINERY DEPOT, 109 Pearl-st. and 60 Beaver, N. Y.—Leather Banding Manufactory, N. Y.—Machinists' Tools, a large assortment from the "Lowell Machine Shop," and other celebrated makers. Also a general supply of mechanics' and manufacturers' articles, and a superior quality of oak-tanned Leather Belting. 27 11\*

COTTON MACHINERY.—One new Ring and Traverser Warp Frame, 156 spindles, and three new Looms, built in the best manner by the Matoon Co., and for sale at 60 Beaver st., N. Y., by P. A. LEONARD. 27 3\*

SCREW PROPELLER FOR SALE.—6 feet in diameter, and 15 feet pitch, made of wrought-iron: the blades are screwed on the hub, and can be taken off at pleasure. There is also an additional blade. The pattern is the best that has ever been in water. For particulars address J. W. NYSTRÖM, No. 31 Union st., Philadelphia 1\*

ZINC PAINTS.—THE NEW JERSEY ZINC CO. will supply their pure Zinc Paints at the following prices:—No. 1, white ground in oil, 9c. per lb.; No. 2 do., 8c. per lb.; No. 3 do., 7c. per lb.; brown and black, 5 1-2c. per lb.; dry white zinc 6c. per lb. White zinc paint after several years use in Europe and the United States, has been found to retain its protective properties longer than any other paint, and for whiteness and brilliancy is unrivalled; it is free from poisons; while the same weight covers from 40 to 100 per cent. more space according to surface than the same weight of lead paint. Their Brown and Black zinc paints form a hard metallic coating upon wood, brick, iron, &c., which defies the corroding action of salt water. Dealers supplied on liberal terms by MANNING & SQUIER, Agents, No. 45 Dey street, New York. 1\*

STEAM ENGINES AND BOILERS.—The patentee is now ready to supply orders for steam engines with Ayer's Patent Improved Boiler of any size required. These boilers occupy but little space, can be set up without brick work, and will make more steam with the same fuel than any other boilers. A self-acting feeder furnishes a constant supply of water, preventing thereby, in a great degree, the danger of explosion. Where doubts are entertained as to the superiority of these boilers, I will be content to receive for the right one-fourth of the value of the fuel saved by their use. Portable engines furnished to order. E. AYER, Patentee, Norwich, Conn. 26 7\*

J. ADAMS & SONS, AMHERST, MASS.—Patent Felly Machine. Belden & Colton, 98 Chamber st., New York; John B. Wynne, Anderson House, S. C.; Agents for sale of rights of machines and territory. Whitman & Co., Baltimore, Md.; P. A. Leonard, New York City; Agents for sale of Machines. 25 4\*

A. B. ELY, Counsellor at Law, 46 Washington st., Boston, will give particular attention to Patent Cases. Refers to Munn & Co., Scientific American. 13tf

CLOCKS FOR CHURCHES, PUBLIC BUILDINGS, RAILROAD STATIONS, &c., and REGULATORS FOR JEWELLERS.—The undersigned having succeeded in counteracting entirely the influence of the changes of the temperature upon the pendulum, and introduced other important improvements in the construction of clocks, are prepared to furnish an article, superior to any made in the United States, (the highest grade warranted to vary less than two minutes in twelve months). Glass dials for illumination furnished. Address SHERRY & BYRAM, Oakland Works, Sag Harbor, Long Island, N. Y. "At the Oakland Works of Sherry & Byram there are made some of the finest clocks in the world."—[Scientific American. "Mr. Byram is a rare mechanical genius."—[Journal of Commerce. 26tf

DRAUGHTING BOARDS.—CHAMBERLIN'S PATENT, 23x29 inches, 28 feet of various scales, arranged for draughting of all kinds with dispatch, and mechanical device for ready adjustments of draught sheets, of thorough made and elegant appearance, approved by the American Institute, N. Y., and various other authority. Price with T rule \$10, can be sent by express. Address, post paid, H. W. CHAMBERLIN, Pittsfield, Berkshire Co., Mass. 24 4\*

THE SUBSCRIBER is now finishing four 14 horse engines, with boiler and apparatus all complete—price \$1200 each. Several 6 horse engines extremely low: also, several of smaller capacity, completely; also, several power planers, now finishing. Galvanized chain for water elevators, and all fixtures—price low—wholesale and retail. Orders, post-paid, will receive prompt attention. AARON KILBORN, No. 4 Howard st., New Haven, Ct. 23 10\*

TO FELLOE AND SNATH MAKERS.—The undersigned having purchased the entire right of A. W. Johnson, for his machine for bending carriage-felloes, &c., are now prepared to sell State or county rights for said machine; having used said machine for several years, we know it to be a saving in timber of 30 per cent, and more expeditious. Persons can see one of the machines at work at the manufactory of W. S. Johnson & Co., St. George's, Del.; also felloes of all kinds. Shafts and carriage stuff always on hand, and at prices to suit dealers in the above. WM. G. JOHNSTON & Co., 22 10\* St. George's, Del.

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 (Stubbs) and Swiss Files and Tools; also his imported and own manufactured Mathematical Drawing Instruments of Swiss and English styles—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. 23 13\*

IRON FOUNDERS MATERIALS.—viz.: fine pulverized Sea Coal, Anthracite and Charcoal, Black Lead and Soapstone Facings. Iron and brass moulding sand; Coarse sand and flour; English Fire Bricks for cupolas, &c. Fire Sand and Clay—for sale by G. O. ROBERTSON Liberty place, (near the Post Office) N. Y. 23 10\*

VENTILATION.—In reference to the advertisement which I have had in this paper for some time, and also in reference to the reward offered by F. M. Ray "for the best method of excluding dust from cars when in motion," I beg to inform car building companies, railroad companies, and steamboat companies, that my patent includes the Ventilation of all these vehicles, and covers the whole ground of "excluding dust," &c. I expect to be in New York and Boston some time next month, of which notice will be given in some of the daily papers, as also of the place where I may be found. H. RUTAN, Coburg, Canada, Feb., 1852. 24 6\*

TO COTTON MANUFACTURERS AND MACHINISTS.—The undersigned having had thirty-five years' experience in the manufacturing and machine business, is desirous of obtaining a situation as foreman or agent in the above branches; would have no objects to go South or West; the best of preference can be given. Letters addressed to CHARLES E. MOORE, Groveville, Mercer Co., N. J., will be attended to promptly. 24 4\*

TRACY & FALES, RAILROAD CAR MANUFACTORY.—Grove Works, Hartford, Conn. Passenger, freight, and all other descriptions of railroad cars and locomotive tenders made to order promptly. 26tf

POST'S PATENT SLIDING DOOR FRONTS.—For stores and Public Buildings; a new, cheap, and simple fixture for securing store fronts, which renders them fire and burglar proof, has been invented and patented by the subscriber, who is now prepared to sell rights. Messrs. Quarterman and Son, 114 John st., N. Y., are general agents. Address, (post-paid) Wm. POST, Architect, Flushing, L. I. 25tf

MECHANICAL DRAWINGS.—J. H. BAILEY, Draughtsman, agent for the sale of patent rights, inventions, machinery, &c., office, Tryon Row Harlem Railroad Buildings, opposite City Hall, 25 2\*

MALLEABLE IRON FOUNDRY, EASTON, Mass.—The subscriber continues to manufacture castings of every variety, for machinery and other purposes, of the best quality, at the above establishment. We have facilities for making castings 5 1-2 feet in length. Persons wishing castings can send patterns to Eastern Express, Boston, Mass. All letters will be promptly attended to. DANIEL BELCHER. 2110\*

NEW HAVEN MANUFACTURING COMPANY, Tool Builders, New Haven, Conn., (successors to Scranton & Parshey) have now on hand \$25,000 worth of Machinists' Tools, consisting of power planers, to plane from 5 to 12 feet; slide lathes from 6 to 18 feet long; 3 size hand lathes, with or without shears; counter shafts, to fit all sizes and kinds of universal chuck gear cutting engines; drill presses, index plates, bolt cutters, and 3 size slide rests. The Co. are also manufacturing steam engines. All of the above tools are of the best quality, and are for sale at 25 per cent. less than any other tools in the market. Cuts and list of prices can be had by addressing as above, post-paid. Warehouse No. 12 Platt st., New York, S. C. HILLS, Agent N. H. Man'g Co. 25tf

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 abovesaid foundry—or at his residence No. 764 Broadway, Albany. GEO. W. BEARDSLEE. 23tf

PAINTS, &c. &c.—American Atomic Drier, Graining Colors, Anti-friction Paste, Gold Size, Zinc Drier, and Stove Polish. QUARTERMAN & SON, 114 John st., 23tf Painters and Chemists.

MACHINERY.—S. C. HILLS, No. 12 Platt-st. 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; Morticing and Tennoning machines; Belting; machinery oil, Beal's patent Cob and Corn mills; Burr mill and Grindingstones; Lead and Iron Pipe &c. Letters to be noticed must be post-paid. 26 tf

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, 208 Broadway. 17 12\*

WOOD'S IMPROVED SHINGLE MACHINE.—Patented January 8th 1850, is without doubt the most valuable improvement ever made in this branch of labor-saving machinery. It has been thoroughly tested upon all kinds of timber and so great was the favor with which this machine was held at the last Fair of the American Institute that an unbought premium was awarded to it in preference to any other on exhibition. Persons wishing for rights can address (post-paid) JAMES D. JOHNSON, New Haven, Ct.; or WM. WOOD, Westport, Ct. All letters will be promptly attended to. 23tf

THE EXCELSIOR Sand and Emery Papers. Are offered as new and superior articles, being manufactured by an improved process; the paper is made from the best Manilla hemp, and consequently is very strong and lasting; the grit is of the sharpest and most enduring kind, and is firmly attached to the paper with a remarkable evenness of surface; their freedom from ridges, stripes, and other imperfections, recommend them to the notice of consumers. These papers have been used by many of our first mechanics, and are pronounced superior to all others. Every sheet is stamped WM. B. PARSONS, and warranted. Samples furnished at the office, No. 187 Water street, New York. WM. B. PARSONS, Sole Proprietor. 14 6m\*

P. W. GATES'S PATENT DIES FOR CUTTING SCREWS.—Patented May 8th, 1847.—This Die cuts Screws of any size, V or square thread, by once passing over the Iron. Also, Lead Screws for Lathes, Hoisting Screws, &c. All orders for Dies and Taps, with or without machines, will meet with prompt attention by addressing P. W. Gates, or Gates & McKnight, Chicago; Marshall, Bement & Colby, Philadelphia; Woodburn, Light & Co., Worcester, Mass. References—All the principal machine shops in New York, Philadelphia, and Boston. 13 6m\*

MACHINIST'S TOOLS.—Marshall, Bement & Colby, (successors to E. D. Marshall & Co.) Calowhill street, west of Schuylkill Third, Philadelphia, Pa., are prepared to make to order, and keep on hand Machinist's Tools, such as Planing and Compound Planing Machines, on a new and improved plan, Slide and Hand Lathes, Upright Horizontal Drills, Upright Boring Machines, Improved Screw and Bolt Cutting Machines, with P. W. Gates' Patent Dies and Taps, or with the common Dies, Gear Cutting Engines, Slottling and Paring Machines. Also keep on hand Washburn & Whiton's Patent Scroll Chucks, of all sizes. All orders by letter or otherwise will receive their prompt attention. E. D. MARSHALL, WM. B. BEMENT, G. A. COLBY. 21 10\*

CHAS. W. COPELAND, Consulting and Mechanical Engineer, Surveyor of Steam Machinery, &c., No. 68 Broadway, N. Y., superintends the construction of steam vessels and steam engines, and machinery of every description; specifications and contracts prepared; also general plans and drawings in detail furnished. Steam engines surveyed and valued, and condition reported. Mr. C. also acts as agent for the purchase and sale of steam vessels, steam engines, boilers, &c. 21 10\*

MANUFACTURE OF PATENT WIRE Ropes and Cables—for inclined planes, suspension bridges, standing rigging, mines, cranes, derrick, tilters &c.; by JOHN A. ROEBLING; Civil Engineer—Trenton N. J. 47 1y\*

PATENT CAR AXLE LATHE—I am now manufacturing, and have for sale, the above lathes; weight, 5,500 pounds, price \$500. I will furnish a man with each lathe, who will turn and finish axles for 50 cents each, if desired. 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. The above lathe warranted to give good satisfaction. J. D. WHITE, Hartford, Ct. 7 6m\*

LOGAN VAIL & CO., No. 9 Gold street, New York, agents for George Vail & Co., Speedwell Iron Works, have constantly on hand Saw Mill and Grist Mill Irons, Press Screws, Bogardus' Horse-Powers, and will take orders of Machinery of any kind, of iron and brass; Portable Saw-mills and Steam Engines, Saw Gummers of approved and cheap kind, &c. Gearing, Shafting, large and small, cast or of wrought iron. 11 1y

HAWKIN'S Stave Dressing Machine.—Is now in operation in the city of Milwaukee, Wis., and will dress from 6 to 8000 staves per day, ready for the truss hoops, and at one operation. Rights for States and Counties, and also machines, for sale, apply to WM. HAWKINS, Patentee, Milwaukee, Wis. 15 20\*

1852 TO 1856.—WOODWORTH'S PATENT Planing, Tonguing, Grooving, Rafting, and Moulding Machines.—Ninety-nine hundredths of all the planed lumber used in our large cities and towns continues to be dressed with Woodworth's Patent Machines. Price from \$150 to \$760. For rights in the unoccupied towns and counties of New York and Northern Pennsylvania, apply to JOHN GIBSON, Planing Mills, Albany, N. Y. 26tf