

TO CORRESPONDENTS.

E. G. M., of Pa.—We know of no pump acting by weights only.

O S A., of N. Y.—We believe you do not infringe on Payne. We do not enter into such engagements; it would not answer to do so.

C. C., Jr., of R. I.—We have not seen the apparatus of Mr. Little for telegraphing; he promised to call and exhibit it, but has not done so.

A. J., of N. Y.—It will require ten horse-power to drive the upright and the circular saw, five for each; the engine will not be strained.

J. A. Driscoll, of Warren, R. I., unfortunately, deprived of both hands, desires information respecting improved artificial ones made of india rubber or gutta percha.

G. P., of Md.—We do not think you could obtain a patent for the car blind, simply changing the position of the slats could not be claimed as an invention of a patentable character.

B & L., of Wis.—It is out of our power to furnish you with such descriptions as you demand. The claims we publish weekly, and such specifications as you may require must be ordered from the Patent Office.

James Maxwell, 259 Bowery, N. Y., can furnish such information as some of our readers have sought for in regard to oil mills. He will expect pay for his services.

E. B. C., of Vt.—The improvement you propose in tape measures is not new, they have been sold in this market for many years.

E. L., of Troy—We shall require of you a sketch and description of your improved apparatus for ventilating cars before we can decide in reference to it. We apprehend that tubes have been abandoned as inefficient contrivances for the purpose.

R. W. A., of Ct.—We do not see anything new or patentable in your arrangement of car seats, and advise you not to make an application.

D. W. J., of Ind.—We have no engines on hand at present.

D. A. W., of —Rosin oil is employed, and that in a number of places; there is a work published by the Harpers, on Cotton Dyeing, price \$5, we believe, which is very good.

E. S., of N. Y.—We do not see how the shock would be mitigated by your plan, it is new to us, but we do not believe it can accomplish the object intended. A plan for a tyre, with a bead on the inside, to fit into a groove in the rim of the wheel, is now before the Patent Office for a patent; you will perceive that it is somewhat better than to make the tyre concave on the inner side.

J. B. P., of N. V.—We have never seen the cloth wound off between two rollers, but it is easy to arrange the cloth roller so as to wind off the whole without stopping the loom.

E. S., of S. C.—The dial for registering carriages has been long known and used; we have never seen an insulator like yours, and it appears to be good, but we scarcely know how to base a claim for a patent.

"Ludo," Ill.—The report of the locomotive trial, at Lowell, was never published, that we know of, in any other channel but the newspaper.

O. R. W., of Ohio—We expect that you will be on hand with your long list of subscribers for the next volume; it will be a splendid one, this our readers expect, this they shall have.

R. C., of Miss.—If fuel is cheap in your place we advise you to get a steam engine often horse-power, with good large boiler, so that you will be able to run both an upright and circular saw, and employ some extra steam for drying the lumber; the saw dust, slabs etc., may suffice for fuel without the expense of any more, but we do not believe it, as you wish to use more steam than the amount required to drive the engine.

O. T. S., of Pa.—The Woodworth patent extension is defeated for the present; attempts may be made upon the next Congress to get it further extended; we opposed it as a matter of honest principle, because its owners had prosecuted other patentees whose inventions are entirely different from that of the Woodworth patent, and it appears to us that they must have felt and known they were doing wrong; honesty is the best policy: we advocate the rights of all but not of any one to ride down others.

A. L., of Ga.—The way for you to payenize your planks economically, is to immerse them in a solution of the sulphate of copper.

W. R., of N. Y.—A French gentleman, in a recent communication to the Academy of Sciences, states that he prevents incrustations in steam boilers using hard water, by employing 2 lbs. of the protochloride of tin for every 35 1-4 cubic feet; this is too expensive, although he says it prevents the incrustations perfectly; we do not advise any person to use it, owing to the expense.

D. McL., of Tenn.—Parker's patent has expired; his wheel is a good one; we have always thought that he was not to be blamed for what others had done; it appears to us that he is a worthy and deserving man.

R. O. H., of California—We are glad to hear of your welfare; if you could only get coal cheap in California, your plan would be to get an engine of 50 horse power at once; it would soon make the rock fly and the gold come into your coffers.

S. C. H., of Ohio—In the case of the Henry Clay, we are convinced that the proprietors were to blame more than the officers. A second thought will convince you that it would not be prudent to publish the letter, although we feel the same as you do.

C. J. D., of N. J.—We do not know of any one at present who would take an interest in your invention. It appears to be a good device for the purpose.

H. H., of Ct.—Holtzapfel's Mechanical Manipulation can be obtained of Messrs. Appleton, 200 Broadway. The Cyclopaedia we do not find in this market.

M. K., of Mass.—It is entirely new to us to operate the cow-catcher attached to locomotives: if any advantages are derivable from it, no doubt a patent could be obtained. We have no knowledge of the prize you mention.

J. McC., of —Your plan for propelling appears to be the same as that of Rumsey's. We cannot see any difference.

S. H., of Ind.—We do not see what advantage you would gain by your extra shaft connected with the governor.

J. McC., of Pa.—Experiments have proven that wood does not stand the weather in pavements of streets submitted to the action of horses' feet. The plan of Mr. Davis, which was proposed in this city two years ago, was to have square plates cast with ridges like yours, except being solid, and all dovetailed together upon a wooden foundation. If you can make your wood endure, it would answer well, still, we like the stone pavement best, if the blocks are about 6 inches by 9, of a rectangular form. Your plan is new, but it requires a test to prove its superiority.

Money received on account of Patent Office business for the week ending Saturday Aug. 14:

G. W., of R. I., \$55; F. H. S., of Md., \$40; R. R., of N. Y., \$70; G. & Co., Paris, \$350; S. G., of N. Y., \$20; R. L. O., of Ct., \$25; A. K. N., of N. Y., \$40; S. J., of N. Y., \$40; T. B. S., of N. J., \$15; G. W. M., of Wis., \$5.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending Saturday, Aug 14:

C. B. H., of N. Y.; L. R. F., of Geo., D. R. R., of N. Y.; W. & F., of Ct.; R. R., of N. Y.; R. M. W., of Va.; R. L. O., of Ct.; V. P. & B. K., of N. Y.

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 but 4 numbers, price, in sheets, \$1.
Of Volume 6, all; price in sheets, \$2; bound, \$2.75.
Of Vol. 7, all back numbers at subscription price.

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.

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.

ADVERTISEMENTS.

Terms of Advertising.

Table with 2 columns: Lines for each insertion, Price. 4 lines, for each insertion, 50cts. 8 " " " " \$1.00. 12 " " " " \$1.50. 16 " " " " \$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.

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

PATENT RIGHTS FOR SALE.—The subscriber having secured a patent on his improvement in operating doors to houses, would like to dispose of town, county, or State rights, on very cheap terms. The invention is a good one, and has fourteen years protection by Letters Patent. Engravings of this invention will be found in another column of this paper, and for further particulars address WM. RIPPON, Providence, R. I. 48 4\*

IMPORTANT TO SOAP MAKERS.—Letters Patent of the United States having been issued to Wm. McCord on the 27th of July, for a valuable improvement in Soap, all manufacturers, vendors, and users are hereby cautioned against the use of Kaolin, or other equivalent aluminous minerals, combined with ammonia, as they will, by so doing, infringe this patent, and subject themselves to prosecution. All the necessary fixtures for making 2,000 lbs. per day, will cost not to exceed \$75; two persons only required to attend the manufacture. Rights to manufacture this the most valuable soap, are offered for sale on reasonable terms. Apply to WM. McCORD, 141 Sullivan st., N. Y. 47tf

WARRANTED CAST STEEL.—About 30 tons assorted sizes, warranted quality cast-steel, to close the sale of a special lot, it is particularly adapted to machinists use, and will be sold in lots of 500 lbs. and upwards, at 33 1-3 per cent. less than cost or price of the best imported. Amongst the sizes are square, 1-2, 5/8, 7/8, 1 1/8, 1 1/2, and 1 3/4. 1 by 3/8, 1 3/8 by 1-2, 1 1/2 by 1-2, 1 1/2 by 3/4, 1 1/4 by 5/8. Also small and large sizes: also rolled 1 1/8 by No 4, 1 1/4 by No 4 wire gauge. Round 5-16, 7-16, 9-16, 5-8; it is well worth the attention of consumers. JOHN W. QUINCY, 81 John st. 59 4\*

AMERICAN RAILWAY TIMES.—This is a large weekly journal, issued on Thursdays, well suited with matter concerning every element of the Railway System, viz., financial management, construction, depreciation, improvements in running and machinery, and every other subject connected with the general economy of the system, furnished from the pens of the most intelligent engineers and practical railway men in the United States. It likewise contains intelligence upon all the railway enterprises of the country; statistical tables of receipts, expenditures, and income; reports of railway law cases; movements of money and trade; review of the money market; prices current of stocks, etc., etc. JOHN A. HAVEN, Editor. Price \$3 per annum. HAVEN & JONES, publishers, 27 Devonshire street, Boston, Mass. 49tf

A RARE CHANCE—TO MACHINISTS.—Asignee's sale of Machinists' Tools: these tools have been in use about four months, and consist of Planers, Lathes, Dies, Presses, and Universal Chucks, which are for sale from 20 to 25 per cent. less than cost. For particulars address (post-paid) JOHN PARSLEY, New Haven, Ct. 49tf

TO PATENTEES—WANTED, A GOOD Patent.—The subscriber would like to obtain an interest in a good patent of general use, those having such might find a purchaser, with whom an advantageous arrangement could be made. Address W. X. DEXTER, (post paid), New York, P. O. 1\*

SHERRY & BYRAM'S AMERICAN CLOCKS, FOR CHURCHES, PUBLIC BUILDINGS, RAILROAD STATIONS, &c. REGULATORS FOR JEWELLERS, and other styles, designed for Banks, Offices, etc., also Astronomical Clocks. The undersigned have introduced such improvements in the construction of their clocks, as to be enabled to warrant them the most durable and accurate (highest grade to vary less than two minutes in twelve months), of any others now in use. Glass dials for illumination furnished at short notice. 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." [Jour. of Commerce. 41 Tec\*]

IRON FOUNDERS MATERIALS—viz.: good American Pig Iron—grey, mottled and white; No. 1 Scotch Pig Iron, of favorite brands. Pulverized Sea Coal, Anthracite Charcoal, Soapstone, and Black Lead Facings. English and Scotch patent Fire Bricks—plain, arch, and circular, for cupolas. Fire Sand and Fire Clay. Iron and brass moulding sand. Core sand and flour; always on hand and for sale by G. O. ROBERTSON, 135 Water street (corner of Pine), N. Y. 47 6\*

DIG IRON MANUFACTURED WITHOUT A BLAST.—Persons taking an interest in this matter, or desiring to participate in bringing this new process to perfection, will please to address the subscriber, post-paid. C. S. QUILLIARD, Rondout, Ulster Co., N. Y. 47 4\*

JOHN W. GRIFFITHS—Ship Builder and Marine Architect, 658 Fourth st., N. Y., furnishes models and draughts of all description of vessels, with the computation of stability, capacity, displacement, and necessary amount of propulsion. 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. 46 5\*

PATENT DRAWING BOARDS.—23 by 29 inches; with scales of degrees in inches, minutely divided. Also paper fastener attached, and T. rule. Complete for \$10, Sent by Express. Direct (post-paid) to H. W. CHAMBERLIN, 45 tf Pittsfield, Mass.

ARON KILBORN, 4 Howard street, New Haven, Ct., manufactures Steam Engines, Shafting, Presses, Fan Blowers, Lathes, Planers, Artesian Wells, Chain and Force Pumps, Pipe, Heating Apparatus for Houses, etc. 42 10\*

PATENT ALARM WHISTLE.—Indicators for speaking pipes, for the use of hotels, steamships, factories, store-houses, private dwellings, etc. etc. This instrument is intended to supersede the use of the bell, being more simple in its arrangement, more effective in its operation, and much less liable to get out of order, being directly connected with the speaking pipe, it requires no lengthy wires in its use, which are continually getting out of order or breaking. There have been several hundreds of them fitted up in this city and vicinity with the greatest success. They can be attached to pipes, which are already fitted up without damage to buildings, and for much less than the cost of a bell, and warranted to operate. The public are invited to call and examine them at the factory of the patentees. WOOLCOCK & OSTRANDER, 57 Ann street, New York. State and County Rights for sale. 40 13

CHILDS & TANTER, Worcester, Mass., Builders of Daniel's Planers, with Read's feed motion, which gives the advantage of planing both ways, and of running slow or fast, either way. 45 6\*

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 above named foundry—or at his residence No. 764 Broadway; Albany. GEO. W. BEARDSLEE. 23tf

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 Tenoning machines; Belting; 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. 26 tf

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, Bridgeport, Ct.; or WM. WOOD, Westport, Ct. All letters will be promptly attended to. 22tf

TO INVENTORS.—The subscribers will enter into arrangements, on the most reasonable terms, for furnishing Drawings, Patterns, and Models, believing that they have one of the most thorough and scientific men, in that line of business, to be found in New York. Their object is merely to fill up time, they not having sufficient work of their own to keep him in steady employment, and do not like to have him leave for fear they could not obtain his services when required. Apply at Dunlop's Manufacturing Emporium, No. 36 Gold street. 41 13\* FRASER & EVERITT.

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

CHARLES F. MANN, FULTON IRON WORKS, Below the Troy and Greenbush Railroad Depot, Troy, N. Y.—The subscriber builds Steam Engines and Boilers of various patterns and sizes, from three horse power upward; also his Portable Steam Engine and Boiler combined, occupying little space, economical in fuel, safe, and easily managed; Double Action Lift and Force Pumps; Fixtures and Apparatus for Steam or Water; Tools for Machine Shops; Shafting and Pulleys for Factories. Brass Castings and Machinery made to order at short notice. Steam engines furnished cheaper than can be had elsewhere, of the same quality. 30tf

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 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.

1852 TO 1856.—WOODWORTH'S PATENT Planing, Tonguing, Grooving, Rabbeting, and Moulding Machine.—Sixty-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

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. 45tf P. A. LEONARD.

PATENT CAR AXLE LATHE—I am now manufacturing, and have for sale, the above lathes; weight, 5,500 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. The above lathe warranted to give good satisfaction. J. D. WHITE, Hartford, Ct. 39 26\*

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

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

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

NEW HAVEN MANUFACTURING COMPANY, Tool Builders, New Haven, Conn., (successors to Scranton & Parsley) 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. 45tf