

TO CORRESPONDENTS.

E. W. C., of N. J.—We think the patent for making glass has not issued yet, as we cannot find its publication in the English journals.

O. J. H., of N. Y.—The model of your planer came duly to hand, and has been examined; there is no chance for a patent on it. Such a machine was exhibited at the Fair of the American Institute, by Emmons, and we have since learned that it has passed out of use.

G. B. C., of Ohio—You could not obtain a patent for placing a wheel at the bow of the boat, to lessen resistance, which always increases according to the square of the velocity, by an unalterable law. Your plan would do no good.

W. A. G., of Me.—There is nothing new or patentable in your method of converting parallel into rotary motion. We have been familiar with it for a long time.

J. M., of Ohio—The mortising machine advertised in the Scientific American is suited to joiners' work, but not sufficiently heavy for hubs.

S. A. C., of Md.—We find an engraving of Fellow's grate bars in the Eureka, a publication formerly conducted by J. P. Pirsson, of this city; the improvement consists in making the bars with two parallel grooves in the top surface of the bar. The grooves are made for the purpose of holding a quantity of ashes or other non-conducting substance, which preserves the bar from the action of the heat. They have been much used, and we believe answer a good purpose.

P. S. R., of Ala.—We have examined the claim mentioned in yours of the 5th inst, and do not find that it covers any such point as is represented to you. Agents of patentees sometimes exaggerate claims, the object being to silence any attempts at improvements which might operate against their interests.

R. R. of Mass.—Enquires if any power could be obtained by winding up a spring similar to those employed in clocks and watches. Yes, as much as it took to wind it up and no more. Is it possible for a machine to give out more power than is applied to it—if so, explain how it is done.

W. T., of Pa.—Oscillating engines are employed in the Albatross, and work well, they were made in Philadelphia by Sutton & Co.

T. E., of Ohio.—The incrustation may be removed by sal-ammoniac, it is a deposit of carbonate of lime, which combining with sal-ammoniac becomes soluble and may then be washed off.

O. P. E., of Ala.—The number of pint cells of Smee's battery requisite to produce an electric light is six. The intensity bears no comparison to other lights, while a less number of cells would not produce combustion of the charcoal points. Where intensity is desired, Grove's arrangement is used.

A. G., of Phila.—Ryder's patent forge is an English invention, and is designed to do away with the great labor attending the forging of mule, throstle, and roving spindles, studs, shafts, etc., for cotton and other machinery.

A. R., of N. Y.—The memorial you refer to was presented by one Thos. G. Clinton, asking Congress to require the reasons why Examiner Renwick granted his brother a patent for a railroad chair, in view of a rejected application made by Wm. Wheeler some two years previous. The committee decided the inventions to be dissimilar, and dismissed the case. This Clinton is the same man who had a slight brush with Commissioner Burke some years since, without success; probably the officials are too much for him in point of influence.

J. I., of S. C.—Your statement is founded in error, owing, no doubt, to the want of experience in this particular branch. We recommend to your study Mahan's Civil Engineering, it will aid you materially, price \$3.

T. N. & T., of Ohio.—We shall be able to fill your order soon.

J. G. M., of Mass.—Will please to give us his full address, that we may be able to correspond with him about the volumes.

B. A. J., of Tenn.—It would be quite wrong to make use of such influences. The tendency is to destroy the character and utility of the office. The Patent Office is a very important department, and should be as free from political influence as possible. Your agent, as well as Senator Jones, can insist upon a fair and candid decision in the case, and we advise you to press it through, provided you are not pleased with the references.

A. M. S., of Pa.—Your subscription will not expire till No. 14, next volume. Hunt's Merchants' Magazine is published at 142 Fulton street, a few doors from our office.

H. D. P., of Me.—There is no remedy for you now. It would have been better for you to have employed some respectable patent agent at the onset.

R. C. A., of Ill.—We expected to have heard from you in regard to the mill before this time. The opposite party are anxious to determine what you intend to do, and make application for a patent unless some terms can be effected.

D. Y., of Mich.—A patent was issued to Wylly's Avery in 1849, for a vegetable cutter, which covers all the points claimed by you.

H. A., of R. J.—Mr. Pope claims giving the harness hames a concave form for the purpose of enabling them to be fitted with much greater accuracy to the roll upon the collar, and thereby securing them against displacement.

We shall attend to an examination upon as the proper documents reach us we refer you to Vol. 6, Sci. Am.

H. & L. D. B., of Pa.—We should regard the contrivance as the same, and not affecting the claims as they stand issued. A mere change in form is not patentable.

J. McC., of N. Y.—You had better send us a model or sketch of your improvement, that we may judge more correctly of its novelty. We do not wish to advise you incorrectly, and would take occasion to state that so many patents have already been granted for threshing machines, that it is not easy to decide positively.

C. P. L., of Ga.—We shall push your business forward as fast as possible.

S. J. M., of Mass.—A fee is now required by the Patent Office for recording assignments. They must be recorded within three months.

B. F., of Ct.—The glazing of pottery is effected by using a glass which is fusible at a lower temperature than the pottery itself. The pattern is imprinted on unsized paper, and closely pressed on the unglazed surface; the paper is carbonized, leaving the coloring matter on the earthenware.

R. E. C., of Ind.—You had better send us a model of your invention for our examination. We think you will find this course best.

W. H. F., of E. Tenn.—The "American House Carpenter" you can buy here for about \$3; we think the work will please you. Respecting the machine, we advise you to address J. H. Lester, 92 Fulton street, this city, as we have not the information you require.

H. H., of Ct.—We think your invention in the spinning frame new and patentable; it is different from either invention patented by W. Rouse or G. H. Dodge. You must experiment with it to determine its practical value.

S. M., of Ky.—We do not think it possible for you to gain anything by the arrangement. The friction is very great, and the machine too complex to operate well. By more study, and with the aid of experiment you can overcome obstacles and improve your machine.

R. H., of Mass.—The best way for you to do is to cut through the hill; it won't cost much. Lead pipe will answer best for your purpose, as the stream will always be running through it.

Money received on account of Patent Office business of the week ending June 12:

J. T., of N. Y., \$20; H. L. F., of Ill., \$30; T. H. D., of N. H., \$15; C. A. M., of Mich., \$30; H. P. O., of Ct., \$20; P. M., of N. Y., \$40; C. W. B., of Mass., \$30; J. M. T., of N. Y., \$10; R. H. T., of S. C., \$20; A. H., of Ga., \$50; J. W. H., of N. Y., \$40; B. & R., of Mass., \$26; P. & C., of N. Y., \$32; H. O. E., of N. Y., \$30.

Specifications and drawings belonging to parties with the following initials have been forwarded to the Patent Office during the week ending June 12:

S. & K., of Mass.; W. P., of Mo.; D. & O., of Pa.; J. T., of N. Y.; E. C. H., of O.; H. P. O., of Ct.; L. L., of Mass.

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.

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, 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.

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.

PLANING MACHINE.—P. EMMON'S newly invented machine for Planing, Tonguing, and Grooving Boards and Floor Plank, is now complete, and can be seen at No. 37 Allen st. It is considered by the best of judges, superior to all others in use. Call and examine. 1*

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.

MARYLAND INSTITUTE FAIR.—The Board of Managers of this Institute will hold the Fifth Annual Exhibition in the Grand Salon of the Institute Building, in the city of Baltimore, commencing on the 4th day of October next.

The great facility thus afforded for a splendid display of American Manufactures, they hope, will be a sufficient inducement for the Manufacturers, Mechanics, Artists, Inventors, and others throughout the United States, to contribute such specimens of their industry, skill, and ingenuity, as shall be alike honorable and creditable to the mechanical genius and refined taste of the country. The Hall will be open for the reception of goods on Monday the 27th Sept. next, from which time to Thursday night, Sept. 30, articles intended for competition and premium must be deposited. The balance of the week will be devoted to the reception of articles intended for exhibition only, free of charge. After which time depositors will be subject to a charge of 50 cents to \$1. On Monday, Oct. 4, at 7 o'clock, P. M., the Exhibition will be open for the reception of visitors.

Circulars containing the regulations and arrangements established by the Standing Committee on Exhibitions, can be had by addressing (post-paid) JOHN S. SELBY, Actuary of the Maryland Institute, by whom any information required will be promptly given. 39 7

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 patentee, WOOLCOCK & OSTRANDER, 57 Ann street, New York. State and County Rights for sale. 40 13

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. 40 6*

DRAUGHT BOARDS, PATENT.—23 by 29

inches. Ready sales their best recommendation. Cheapest instruments in use. Complete for \$10. Sent by Express. Direct (post-paid) to H. W. CHAMBERLIN, Pittsfield, Mass. 40 7f

WANTED.—By a steady young man, a situation

where he can get steady work and reasonable wages. Address (post-paid) "E. G.," East Greenwich, R. I. 1*

IMPORTANT TO IRON FOUNDRIES.—The

Galvanic Alloy Manufacturing Co., Nos. 401, 403, and 405 Cherry st., N. Y., will furnish the Aerostatic Fan Blower at \$55, and with patent fitting at \$65, that produce sufficient blast for the largest cupola, melting 3 and 4 tons of iron per hour; taking less than one half the power of those now in use, that cost from \$80 to \$100. The wings, being only about an inch in width (planned upon entirely new and mathematical principles), produce double the blast with half the power of other blowers. Warranted in all cases, or they may be returned and the money refunded. 38 eowtf.

PATENT CAR AXLE LATHE.—I am now man-

ufacturing, 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 1,500 lbs., price \$225. The above lathes warranted to give good satisfaction. J. D. WHITE, Hartford, Ct. 39 26*

TO CARPENTERS AND DEALERS IN PAT-

TENT RIGHTS.—The whole right and title to the Patent Blind and Shutter Fastener, which was illustrated in No. 37 Vol. 7 of the Scientific American, will be sold cheap to a cash customer, or the owner of the patent will sell single States (not in smaller quantities) if desired. The invent on is a good one; the claims are broad, and it is not an infringement of any existing patent, as decided by parties who have investigated the matter thoroughly. For particulars concerning the purchase of rights, etc., address "DESALX," box 773, P. O., New York City. 39 3*

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. 39 3*

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.

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

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 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

DORTER'S PATENT GRADUATING VALVE

FORGE TUYERE.—Illustrated in this paper Sept. 6, 1851, gives a sure, quick, and clean heat, and is warranted to save full 25 cts. per day to each fire. Two sizes manufactured. Price \$6 to \$8. For sale, wholesale and retail, at No. 9 Gold st. W. J. & J. H. BURNETT. 38 4*

NEWELL'S PARAUPTIC BANK LOCK

—These Locks, which have been tested by the most skillful mechanics of Europe and this country, still remain invulnerable to their combined efforts, proving its superiority over all others. For sale by DAY & NEWELL, 589 Broadway, N. Y. 38 3*

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

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 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 18*

1852 TO 1856.—WOODWORTH'S PA-

tent Planing, Tonguing, Grooving, Rabeting, 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

LEONARD'S MACHINERY DEPOT, 109

Pearl-st. and 60 Beaver, N. Y.—Leather Banding Machinery, 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. 27tf P. A. LEONARD.

TO BUILDERS AND WORKERS IN Wood

—We are selling a very simple durable, and effective Mortising Machine for \$20, boxed ready for shipment. We have sold a large number within the last year, and they have given satisfaction. We furnish three chisels and a lever to operate them. Address MUNN & CO.

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*

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 MANU-

FACTORY—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 COM-

pany, Tool Builders, New Haven, Conn., (successors to Scranton & Parshley) 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. also manufactures 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