

TO CORRESPONDENTS.

"G. M. of Wis."—Many thanks for your kindness and the fine list of subscribers received from you. We hope you will be able to procure us 50 more before the volume expires. The names we have entered, and copies of the paper have been sent to each.

"E. B. T. of Ct."—The drawings of your rotary have been received, but it presents no novelty. If you have seen the diagrams of the different constructed rotaries which we have published for the last three months under the head of "History of the Rotary Engine," you must have noticed one of similar construction to your own. We should not advise you to spend much money in experimenting with it.

"M. D. C. of Miss."—We shipped your engine and boiler by the bark Anglesia, which sailed from this port on Monday the 18th.—The bills of lading have been sent by mail.

"P. G. T. of Ala."—The Picket machine which we advertised some time since has been sold. The book sent to Mr. E. is a small work for so high a price, but the duty on foreign books is so much that but a small profit is made by us.

"R. S. I. of S. C."—The books which you ordered were sent to Charleston by the Northern, according to your instructions, and the bill of lading should have acknowledged them as books instead of a "Camera Lucida." We hope you got the parcel, which would of course allay your apprehension of a misunderstanding of your letter.

"J. B. of Va."—Direct a letter of enquiry to Messrs. Judson & Pardee, New Haven, Ct. and they will respond to your wishes.

"P. B. C. of Mich."—Your model is received, but it comes a little too late. A man from Connecticut deposited a model with us about 6 weeks ago, which combines precisely the same principles as yours.

"C. B. D. of Ohio."—Why have you not returned those specifications? The models of both your inventions have been forwarded to Washington, and as soon as your papers are returned to us we will forward them also.—Please send them along.

"E. H. of Ct."—Direct your enquiries to J. G. Johnson, Portland, Me.

"W. H. S. of N. Y."—Your model and the Patent fee were received last Monday. We have not had an opportunity to examine your invention yet, but will give it attention in a few days.

"M. J. H. of Md."—The drawing of your apparatus and the description you sent us are very ably executed. Atmospheric engines have been long in use and the construction of your plan embraces nothing new. We should not advise you to incur much expense in experimenting with it and certainly should not advise you to attempt to get a foreign patent upon it.

H. S. of Pa."—The japan for iron was published in vol. 3 Scientific American, in our articles on japan work. Every mechanic should have them. There is no new process of tinning iron. There is galvanized iron (iron covered with zinc) which is accomplished as in the old process of tinning.

"M. G. of N. Y."—You will perceive in the engraving in the Scientific American last week that the same principle of your trucks was fully embraced. In reference to the paddle wheel, we did not recommend it. We have our objections. The principle of the crank for keeping the paddles vertical is good—you are correct—and there is a patent now in existence for the invention. It is called "Morgan's Paddle Wheel."

"J. P. B. of Boston."—It is not in our power to give you the required information respecting where any needle makers now are in the United States. We would have been glad to have given you the information.

"H. P. of Worcester, Mass."—We have received your letter, but rather too late for insertion this week. We will give it a place in our next number.

"P. B. of Del."—It will be a troublesome job to correct your papers so that the Commissioner will grant you a Patent. We had much rather have made them out entirely anew than to try to correct those you have sent to us. The drawings too we should consider as insufficient, but as no objection was made

to them at the Patent Office we suppose they will answer the purpose. Send us \$10 more.

"A. C. of N. Y."—We have credited the amount received from you and marked your subscription to expire at No. 11 Vol. 5. We cannot furnish you with those first numbers of vol. 3.

Slave Labor in Factories.

The proprietor of the factory at Tuscaloosa Ala., makes a calculation in one of the Southern papers to show that, if the Eastern factories can make cloth at ten cents per yard, he can make it at 8½ cents. This factory is worked by slave labor, and another is in progress in Tuscaloosa county, also to be worked entirely by slaves, which will run a thousand spindles.

The New York and New Haven Railroad is so near completed that a train of cars passed over the whole route on Thursday the 21st, and will run regular trains after Monday the 25th inst.

Advertisements.

This paper circulates in every State in the Union, and is seen principally by mechanics and manufacturers. Hence it may be considered the best medium of advertising, for those who import or manufacture machinery, mechanics tools, or such wares and materials as are generally used by those classes. The few advertisements in this paper are regarded with much more attention than those in closely printed dailies.

Advertisements are inserted in this paper at the following rates:

Table with 3 columns: Description of ad (e.g., one square, eight lines one insertion), and Price (e.g., \$0.50, 75, 1.00, 1.25, 3.75, 7.50, 15.00).

TERMS:—CASH IN ADVANCE.

GENERAL AGENTS

Table listing general agents for the Scientific American in various cities: New York City (Geo. Dexter), Boston (Messrs. Hotchkiss & Co.), Philadelphia (Stokes & Brothmer), Albany (Peter Cook), Andover, Mass. (E. A. Russell), Baltimore, Md. (S. Sands), Bermuda Islands (Washington & Co.), Bridgport, Ct. (E. F. Brown), Cabotville, Mass. (Rufus Merrill), Concord, N. H. (Stratton & Barnard), Cincinnati, O. (D. L. Norris), Dover, N. H. (Pope & Crane), Fall River, Mass. (E. H. Bowers), Hartford, Ct. (J. W. Copes & Co.), Houston, Texas (E. G. Fuller), Halifax, Nova Scotia (E. Bishop), Jamestown, N. Y. (J. E. F. Marsh), Lynn, Mass. (Wm. Woodward), Middletown, Ct. (Safford & Parks), Norwich, Ct. (E. Downes), New Haven, Ct. (S. A. White), Newburg, N. Y. (J. L. Agens), Newark, N. J. (Robert Kishaw), New Orleans, La. (J. C. Morgan), Paterson, N. J. (A. H. Douglass), Providence, R. I. (H. & J. S. Rowe), Rochester, N. Y. (D. M. Dewey), Springfield, Mass. (Wm B Brockett, M. Bessey, L. Chandler, Isaac Crooker, John Caruthers, W. L. Palmer, W. P. Seaver, G. H. Breseley, J. B. Mayds, J. C. Gander, J. M. Shumway).

CITY CARRIERS.

CLARK SELLECK, SQUIRE SELLECK. Persons residing in the city or Brooklyn, can have the paper left at their residences regularly, by sending their address to the office, 128 Fulton st., 2d floor.

ENAMELLED WARE.

FOR sale, the right to manufacture Enamelled Ware will be sold either for one State or more. This ware is pronounced by all that have seen and used it, to be equal to the English. Samples of different colors can be seen at this office. To fit up for Enamelled Ware will not cost over \$200. This business can be carried on with ready sale, and will yield a heavy profit, for the cost is very little. None but responsible men need apply. All letters must be postpaid, and stating particularly what kind of ware they want to Enamel and for what state. Address "Enamelled Ware" care of Munn & Co. 128 Fulton St. New York. d23 31*

WALKING BEAM ENGINE.

THE engine and boiler represented in No. 9 of present vol. of the Scientific American is again for sale. Several opportunities for disposing of it have been offered and refused in consequence of its having been sold to a gentleman from the country but now he expresses his inability to meet the terms which we require (cash in advance) and the engine is therefore offered for sale again. Any person now desiring it can have it shipped to his address for \$150 cash which is \$25 less than it is actually worth. Address MUNN & CO. "First come first served." 128 Fulton St. N. Y.

SOAPSTONE DUST.

FINE Bolted Soapstone Dust; also Charcoal, Anthracite, and Black Lead Dust, to give Iron Castings a fine face; and Sea-Coal Dust to mix with sand to make the sand leave the castings easily; always on hand in Barrels ready for shipment by G. O. ROBERTSON. d16 4*

Patent Agency.

From our long acquaintance and experience in Patent Office business we have no hesitancy in asserting that we are better able to judge the merits of new inventions, and are better capable of advising upon all subjects pertaining to Patents than any other concern in the United States.

Any business connected with the Patent office may be done by letter through the Scientific American office with the same facility and certainty as though the inventor applied in person. During the past 3 years we have been constantly applying for Patents and what is a remarkable fact but 2 cases have been refused at the Patent Office and those 2 were afterwards granted by reapplication. Our prices too (another important consideration to inventors) are but about half as much as the charges of most agents as the amount of business which we do, and that in connection with the publication of the Scientific American renders to us superior advantage over all other agents.

Having been often complimented by those who have entrusted their business in our care, we here repeat what very many have said. "The best Patent Agency in the United States is at the Scientific American office."

All models, drawings or communications that are sent to the Scientific American office for inspection are deposited from the eyes of the public until the necessary application for securing the invention has been made.

The best of artists are constantly employed to make drawings from models and our corps of specification writers are composed of gentlemen formerly connected with the Patent office at Washington as Examiners.

All communications should be addressed to MUNN & CO. Scientific American Office. POST PAID. (316) New York.

GURNEY'S PREMIUM DAGUERRIAN

GALLERY.—No. 189 Broadway.

The oldest establishment of the kind in the city. All persons wishing a perfectly finished Picture in every respect would find it to their advantage to call and examine the Pictures taken by his New Process and for which the first Premium, a silver medal, was awarded at the late fair of the American Institute for 1848. d16 3m*

ECONOMY OF FUEL AND PREVENTIVE OF SMOKE AND SPARKS.

THE undersigned, a Practical Engineer has made an Improvement in Furnaces for steam Boilers, Stoves and other enclosed fire places, as used for manufacturing and domestic purposes, where the saving of fuel and consumption of smoke is a consideration. This Improvement may be applied to furnaces previously constructed with trifling expense, compared with its utility, as the saving is at least one third of fuel. Besides the most Bituminous coal or wood may be used without obstructing the flues by soot or causing any annoyance by smoke, and more steam is generated in the same space of time.

All Communications will meet with prompt attention. Address HARVEY GUILD, New Orleans, La.

Reference:—E. C. Kelly, 145 Magazine st.; Aloysius Z. Hilbert, N. O. City Mills; Joseph Landis & Co. Franklin Mills, 14 Poydras st.; A. C. Jones, Crescent Foundry, 65 Girod st.; J. McClusky, Practical engineer; Charles Byrne, 51 Tchoupitolas st.; J. S. Robison. d9 4*

Johnson's Improved Shingle Machine.

THE Subscriber having received Letters Patent for an improvement in the Shingle Machine, is now ready to furnish them at short notice, and he would request all those who want a good machine for sawing shingles, to call on him and examine the improvements he has made, as one eighth more shingles can be sawed in the same given time than by any other machine now in use. Manufactured at Augusta, Me and Albany, N. Y. J. G. JOHNSON. Augusta, Maine, Oct. 28, 1848. d28 1y

The largest, best and cheapest Dictionary in the English language, is confessedly WEBSTER'S.

the entire work, unabridged, in 1 vol. Crown Quarto, 1452 pp. with portrait of the author, revised by Professor Goodrich, of Yale College. Price, \$6.

"The most COMPLETE, ACCURATE, and RELIABLE Dictionary of the Language," is the recent testimony given to this work by many Presidents of Colleges, and other distinguished literary men throughout the country.

Containing three times the amount of matter of any other English Dictionary compiled in this country, or any Abridgment of this work, yet

"Its definitions are models of condensation and purity. The most complete work of the kind that any nation can boast of."—HON. WM. B. CALHOUN.

"We rejoice that it bids fair to become the standard Dictionary to be used by the numerous millions of people who are to inhabit the United States."—Signed by 104 members of Congress.

Published by G. & C. MERRIAM, Springfield, Mass., and for sale by all booksellers. s23 2m*

To Mill Owners.

HAVILAND & TUTTLE'S Patent Centre Vent Pressure Water Wheel.—These wheels are now in successful operation in many towns in Maine, Massachusetts, and Rhode Island, and are found to surpass in power and facility of adaptation any water wheel now in use. This wheel was awarded the silver medal at the Fair of the American Institute recently held in New York and a diploma at the Mechanics' Fair in Bos on.

The wheels are manufactured and for sale by the FULTON IRON FOUNDRY CO., South Boston, Mass.,—where the wheels can be seen and any information concerning them had.

Patent Rights for different States, Counties, &c. for sale, as above. o14 2m*

Agricultural Implements.

Investors and Manufacturers of superior Agricultural Implements may find customers for their goods by applying at the Agricultural Warehouse of S. C. HILLS & CO. 43 Fulton st. n8

STEAM BOILERS.

BENTLEY'S Patent Tubular and other Boilers of any size, shape or power, made to order, by SAMUEL C. HILLS & CO. n8

GENERAL PATENT AGENCY.

REMOVED.

THE SUBSCRIBER has removed his Patent Agency from 189 Water to 43 Fulton street.

The object of this Agency is to enable inventors to realize something for their inventions, either by the sale of Patent Goods or Patent Rights.

Charges moderate, and no charge will be made until the inventor realizes something from his invention. Letters Patent will be secured upon moderate terms. Applications can be made to the undersigned, personally or by letter post paid.

SAMUEL C. HILLS, Patent Agent.

Johnson & Robbins, Consulting Engineers and Counsellors for Patentees. Office on F street, opposite Patent Office, Washington, D. C. j17 1f

PREMIUM SLIDE LATHE.

THE subscriber is constantly building his improved Lathes of all sizes, from 7 to 30 feet long, and can execute orders at short notice.

JAMES T. PERKINS, Hudson Machine Shop and Iron Works, Hudson, N. Y. m11

Machinery.

PERSONS residing in any part of the United States who are in want of Machines, Engines, Lathes, or ANY DESCRIPTION OF MACHINERY, can have their orders promptly executed by addressing the Publishers of this paper. From an extensive acquaintance among the principal machinists and a long experience in mechanical matters they have uncommon facilities for the selection of the best machinery and will faithfully attend to any business entrusted to their care. MUNN & CO. a15

TALBOT'S PATENT BLIND HINGE.

THE undersigned having become interested in the manufacture and sale of the above article, would state that their facilities are such, that they can supply any demand at short notice. This hinge, having stood the test of two years trial, has fully established itself as a useful and important invention, being all that can be desired for blind trimmings, as the blind is managed entirely from the inside of the house without raising the sash, completely locks it, and prevents all unpleasant noise of the blind by wind.

American Window Trimming Company, Taunton, Mass. Address GEO. GODFREY, Agent A. W. T. Co. s23 3m

Those Hats

KNOX of 128 Fulton street, is on hand with his Autumn style of Hats, and as usual furnishes a little prettier shape, made of a little better material and for a much less price than many of his Broadway friends who boast of the superiority of their productions.

The public won't swallow that gammon, gentlemen, and you had better put your prices down to Knox's standard price, before he detracts all those regular customers from Broadway into Fulton st. o7

Daniel's Patent Planing Machine.

WE have now on hand one of these machines which we will dispose of for the very low sum of \$250. It is capable of planing boards, timber or any stuff from 16 ft. long by 22 inches wide, down to pieces of the smallest dimensions. It is so simple as to be easily managed by a boy, and operates with great rapidity and beauty. Any number of pieces of different thicknesses or lengths can all be planed down even at one operation. It performs a day's labor of one man in 20 minutes.

We can send it with perfect safety to any part of the United States. MUNN & CO. Scientific American Office, New York. Letters must be Post Paid. a18

POWER TO LET—RARE CHANCE.

THREE rooms, 40 feet square, one room 60 by 40 feet, 2nd floor, power from engine, 25 in. cylinder, 4 1-2 feet stroke. Let together or in parts. Apply at West street Foundry, corner of Beach and West streets. s23 3m

LAW'S STAVE DRESSING AND JOINTING MACHINE.

THIS Machine is now in operation at Mr. William Burdon's, 192 Front st., Brooklyn, every working day, between 9 and 12 A. M. It dresses and joints properly, and with facility, the rived, or other stave, of all shapes and dimensions, without assorting and without waste of stock. It needs only to be seen to be approved. n4 8w*

THE WEST STREET FOUNDRY, corner of Beach and West streets, will furnish at the shortest notice, Steam Engines and Boilers in all their varieties, and on the most reasonable terms, together with castings of brass or iron, and machinery in general. Orders attended to with dispatch, and particular attention given to repairing. JOSEPH E. COFFEE, AGENT. Steam Boats, Engines, Machinery, &c. bought and sold on commission—apply as above. s23 3mo

Lap welded Wrought Iron Tubes FOR TUBULAR BOILERS.

From 1 1-4 to 6 inches diameter, and any length, not exceeding 17 feet. THESE Tubes are of the same quality and manufacture as those extensively used in England, Scotland, France and Germany, for Locomotive, Marine and other Steam Engine Boilers. THOMAS PROSSER, Patentee, d26 28 Platt street, New York

SUPERIOR ENGINE LATHES.

WE are manufacturing and selling at our establishment in New London, Ct. a superior article of Screw Engine lathes and also hand lathes of every dimension at an extremely low price. Address ALBERTSON, DOUGLASS & CO. Post Paid [d2 6m*] New London, Ct.

Portable Saw Mill.

FOR SALE CHEAP.—A first rate up and down saw, for boards, planks and heavy work, already fitted up with frame, table, fly wheel, &c. Length of saw 4 feet 6 inches. Price for the whole \$60.

Curve Saw. Also for sale, a first rate up and down saw for sawing out curves. It is in complete order, already set in frame, with table, fly wheel, band pulley, &c.—Length of saw 2 ft. 6 in. Price for the whole \$25.

They can be sent with perfect safety to any part of the country. Any one wanting either or both the above has only to enclose the amount named and the saws shall at once be forwarded. MUNN & CO. Scientific American Office, New York. n4