

TO CORRESPONDENTS.

"D. Z. of Pa."—You will see a Glaze for Earthenware without lead, on page 392, vol. 3. Nothing deleterious in it.

"G. H. of N. C."—We again repeat that enquiries from non subscribers will receive no attention.

"A. B. W. of Mass."—Your model is received but we have not had time yet to examine it as thoroughly as we design to before we advise you concerning a patent. A cut of it shall appear in due time, though with your permission we prefer to take it in regular order with our history of rotaries.

"S. V. R. of Ill."—You can see our remarks in full on the Horse Chesnut in the Farmer and Mechanic of last week. It was published three weeks before in the Scientific American. The paternity is not acknowledged by our copying friends—but that we care not about—we are always willing to give our neighbors light upon any subject.

"D. W. of La."—Your Electric Clock is ingenious but no patent could be obtained on it, as the principle is the same as some others that have been constructed, but the mechanical arrangement is somewhat different. We have seen several. Some that are now in this city are very simple. The way in which they are formed, is to have two arch-formed helices around a magnet connected with the battery and placed on each side of the lower end of the pendulum which is a magnet, and by the vibrations of the pendulum, the current is broken and closes alternately, so that the magnet in the pendulum is continually moving from side to side, and drives the clock work above in the usual manner. Your Railroad alarm is new to us and is a good and humane invention.

"Miss A. T. of Lawrence, Mass."—We know of no place where cotton thread balling is carried on, nor have we seen any balled thread, but the imported kind.

"J. McC. of Shelby Co."—You do not gain any power by having a truck and propelling your machinery in the manner you suggest. A man could do more labor by means of a crank than by pushing the car around, of course.

"H. T. of Mass."—We do not think that your gauge cock will infringe upon Mr. Adams' in the least. We hope you will send us one of your make immediately and then we can determine better in regard to it.

"P. C. of Mobile."—We cannot answer all your questions for a less sum than \$5. Remit us a V. and we will look up the information that you desire.

"J. P. A. of Ct."—Your invention for producing lights under water is not new. It is substantially the same as the plan now in use. \$1 all right.

"J. H. of N. Y."—Seak your felt in a solution of strong alum and dry it in a very warm room. This will do for wool also. If you mix magnesia with the alum, all the better. It won't burn.

Some time ago we received a communication describing a new and valuable surveying instrument, which we designed to notice at the time, but from the absence of the author's name, (no doubt by mistake) we have not done so. We have the communication still and await only the author's name to give as full an account of it as we can.

To Patent Correspondents.

"C. S. & Co. of Ill."—Your draft we were obliged to send to Philadelphia for collection. In future make them payable in New York if possible. The drawings of your invention are completed and the specification will be written and forwarded to you early next week. It is a good invention.

"E. C. of Me."—Your model and funds were duly received and your business is progressing.

"H. D. of N. H."—We cannot advise you properly until we see your model. If it is what you represent it to be the sale of a single right will more than pay the cost of the patent fee. Send the model immediately.

"H. G. C. of Me."—We do not think that your invention possesses sufficient novelty to warrant an application for a patent. We should advise you to withdraw the amount deposited with us and put it to better use.

"N. C. F. of Md."—We shall require \$20

more from you and if you can we had rather you would send along some California gold and save us the discount which we should be obliged to pay on country money.

"D. B. of N. H." "C. A. E." & "H. D. of N. J." "E. R. B. of Wis" and "A. F. M. of Mass."—Your specifications, drawings and models have been sent to the Patent Office since our last issue.

"P. B. of Mass."—Both of your specifications with drawings and models were despatched to Washington last Monday. The engraving shall appear in our next.

"C. A. D. of Pa."—Yes, you have now taken the right step to introduce your invention. Nothing gives an invention such a start as publishing a description and engraving of it in the "Scientific American." We will warrant you sales to the amount of over one thousand dollars in less than 2 months after your engraving appears in the Scientific American, and all the trouble it need cost you is to answer letters and assign rights which may all be done by mail. Model and money received, all right.

"G. M. H. of N. Y."—Your model is received and a very good one it is too. As soon as thirty dollars is paid to us from your friend we will proceed with your business. We think there is no doubt but a patent will be granted for it.

"I. Van K. of N. Y."—We have now received \$35, and have answered you by mail.

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 2 columns: Description of ad space and Rate. Includes entries like 'One square, of eight lines one insertion, \$ 50' and 'TERMS:—CASH IN ADVANCE.'

GENERAL AGENTS

Table listing general agents for the Scientific American across various cities like New York, Boston, Philadelphia, Albany, etc., with names like Geo. Dexter, Messrs. Hotchkiss & Co., etc.

CITY CARRIERS.

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.

WALKING BEAM ENGINE.

The engine and boiler represented in No. 9 represent 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 Botted 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, 263 West 17th, st. New York

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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. (d16) New York.

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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 1843.

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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. E. Robinson. d9 4t

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. 23, 1848. d28 1y

The largest, best and cheapest Dictionary in the English language, is confessedly

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the entire work, unabridged, in 1 vol. Crown Quarto, 1462 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.

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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 Boston.

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. d14 3m

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Inventors 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. ns

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BENTLEY'S Patent Tubular and other Boilers of any size, shape or power, made to order, by SAMUEL C. HILLS & CO. 43 Fulton st. ns

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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 Counselors 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

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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

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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. n18

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