

TO CORRESPONDENTS.

"J. R. of S. C."—In respect to the draft in chimneys—the American Scientific Association published a pamphlet last year, which we noticed, in respect to the best form of caps, &c., the result of many experiments.—That pamphlet we do not think can be got without writing to Cambridge College, Mass. There is also an excellent work, "Reid on Ventillation,"—it is scarce. The other questions cannot be answered in a more satisfactory manner than by the well known law of gain in expansion—to be found in every elementary work. For stationary engines there is no profit in using high pressure steam—and there is a limit to expansive working, viz. to have a regular speed of the piston during the full stroke. We shall give some opinions on the subject at another time. We have no machine for the barrel heads; a spring reciprocating small saw is as good as any.

"A. J. of Me."—See page 292 vol. 2 Scientific American, also page 284 same vol.—The first is Ayer's boiler feeder, and the second Treadwell's. From your description Mr. Ayer's appears to be the same thing. Be pleased to examine.

"W. F. of Washington."—None of the pamphlets can be purchased—they were only distributed to a few friends. You will see the accounts in the Franklin Journal of January, and in the next number in February. We think the Maltese cross cut off could be secured—we know of nothing to prevent it. This is what pleases us the most—it is a beautiful thing.

"J. H. C. of Conn."—Yours just came to hand when going to press. We will give it consideration. We are glad to receive such a practical and scientific communication.

"L. H. of Miss."—Yours has just come to hand.

"J. S. of Ohio."—Mr. Parker's wheel was patented in 1828, and the patent renewed, whether it has but one year to run or eight more we cannot tell at present, but we believe it has eight more to run—being extended 14 years.

"C. B. G. of Ct."—Yes; we have got a full description of Mr Taggart's flying machine and drawings of it, but we do not discover that it possesses any more novelty than some that we have seen illustrated in old foreign works which have been long since abandoned. It is possible that you have got something superior to any thing with which we are acquainted but we should advise you to inform yourself upon the past and rejected modes which have been tried for accomplishing the object before you spend much money in experimenting. First get the correct theory of aerial navigation and after that try your experiments. \$3 received, all right.

"A. J. of Ionia."—In answer to your enquiries we refer you to W. H. Seymour, Stockton N. Y., the inventor, of whom all the particulars can be obtained.

"C. H. E. of Utica."—Your funds were duly received. We have credited you one year's subscription to the Scientific American, and also caused the cut of your improved chair to be published in the Dentist's Journal, and hope to hear of your success.

"W. & G. of Detroit."—\$30 received—which is all right. Your business is progressing, and will be ready for your signature in a short time.

"H. & S. of Pa."—Your model has been received from Washington, and we think that it represents a good invention. Your certificate of deposit for \$300 has come to hand and is correct in amount as per our contract. The engine is nearly fitted for shipping and will be forwarded in a few days. We will write to you by mail and enclose a bill of lading as soon as the machinery is shipped.

"J. A. & Sons of Mass."—The engraving of your machine shall appear in 2 or 3 weeks. Your terms of payment are satisfactory.

"C. M. C. of Pa."—We are progressing with your drawings and specification and shall forward them for signatures in a few days.—\$30 received.

"N. E. C. of Conn."—The combination of centrifugal force and atmospheric air, could not be claimed. Although this is new as a principle to you, and your invention, yet it is

not new in the scientific world. We could show you this principle described before.

"Audrand of N. Y."—It is out of our power to give you so much of our time as to show you step by step the fallacy of your ideas, in making a perpetual motion by compressed air. We would advise you to employ your talents, which are not few, in the rationale of mechanical philosophy. You will soon be convinced that your project is based upon very wrong conclusions. The compressed air employed by the steam engine, was not a measure of power but convenience—and was a loss of power. It was to drive piles on Potts' plan in the middle of a river—the engine on shore.

"H. M. of N. H."—Your plan for gold washing could not be carried out in California. The most simple plan is the water which allows the heaviest particles to fall to the bottom better than lead, as a great deal of the California gold is *feathery* in fine scales, and gold and other metals can amalgamate in a molten state.

"C. & G. of O."—The balance of your funds have been received and we have settled your account.

"J. S. G. of N. Y."—The engine of sixteen horse power advertised sometime since has been sold.

"A. C. B. of N. C."—The saw to which you refer was not the kind represented in No. 36 vol. 2, and it has been sold. Your order from Philadelphia has been presented and paid. The enquiries made in your former letter were replied to by mail.

"A. H. D. of N. Y."—No sir. There is not the least chance for you to get a patent if you should apply.

"I. V. K. of N. Y."—The model of your improved car wheel, was shipped in due time, to the Patent Office. The letter from the commissioner was written in the usual form, and had no reference to remissness on our part, we always send the models in proper time for examination.

"E. G. F. of Halifax, N. S."—Your draft was received on Monday and promptly honored by Messrs. S. & T. of this city. The communication to which you referred in a former letter has not been received.

"R. S. of N. Y."—Your model is received and we shall proceed with your business very soon.

"Z. R. of Vt."—We think you have hit upon a good plan and should be pleased to hear how you succeed with your experiments. If they prove as valuable as you represent, you had better forward a model to this office for examination.

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.

TERMS:—CASH IN ADVANCE.

VALUABLE BOOKS.

We have now on hand, the following valuable scientific works, which can be sent to any part of the United States.

The Mechanical Principa, by C. E. Leonard, containing all the various calculations on water and steam power, and on the different kinds of machinery used in manufacturing, with tables showing the cost of manufacturing different styles of goods &c. Price \$1 50.

Illustrated bound vols. of Thos. Ewbank's Hydraulics and Mechanics Price \$2 50.  
Elementary Principles of Carpentry by Thos. Tredgold with 22 Engravings. Price \$3 50.  
Scribner's Mechanics Companion, gilt edge, \$1 50.  
Do Engineering, gilt edge, \$2 00.  
Orders addressed, post paid, to MUNN & CO. Scientific American Office, New York.

To Locomotive Builders or R. R. Co.'s.

The undersigned would like to dispose of one half of his interest in a new invention called the "Radical Self-acting Collision Preventative Apparatus." It is an invention of rare merit as the inventor is ready to prove by various demonstrations. One of which is by a model. It is such a perfect anti-collision apparatus that no injury to passengers or cars need be feared even if two trains should meet while running at their usual speed. The inventor would like to associate with a partner for the purpose of immediately constructing the apparatus.  
Address W. FROELICH, Engineer, Navy Yard Washington, D. C.

STEAM BOILERS.

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

A SPLENDID WORK.

We have just published a work on the American Condensing Steam Engine which we take pride in saying has been pronounced by good judges to be the richest work on the Steam Engine ever published in America.

The diagrams of the Engine are represented on a large sheet of 38 by 28 inches, in size and present to the eye two distinct views, with their parts in elevation and in section, all strictly accurate, of a Condensing Engine as applied to our River and Sound boats. All the internal parts are also represented and a full description given in a book which accompanies the drawings. The diagram was designed and drawn by Mr. Frederick Cook, a well known draughtsman of this city.

Published and for sale at this office by, MUNN & CO Price complete \$3. They may be sent by express to any part of the United States. j27 tf

TO IRON FOUNDERS.

FINE Foundry Sea Coal dust, an improved article regularly used in the New York Foundries to mix with sand to make the sand come off the Castings easily; also fine bolted Charcoal, and Anthracite Foundry Blacking, Soapstone Dust, and Black Lead Dust, for sale in Barrels by

GEORGE O. ROBERTSON  
283 West 17th st. New York.

Prices &c. forwarded to Founders in reply to post paid letters. 134teow\*

SUPERIOR TURNING LATHES.

JAMES STEWART, 15 Canal-st. and 104 Elm-st. is constantly manufacturing and has now on hand between 50 and 60 superior lathes of the following descriptions and at reasonable prices, namely:

Dentist's Lathes, very highly finished.

common,

Brass and Wood Turner's Lathes.

Jeweller's and Pencil-case maker's very superior. J. STEWART is also authorized to act as agent for the sale of the celebrated Lathes manufactured by James T. Perkins of Hudson, of large size and at prices from \$250 to \$300. A specimen of this description may be seen at his factory as above. j27 tf

ADAMS' IMPROVED GAUGE COCK.

We have made such arrangements with the inventor and manufacturer of the above article that we are now able to furnish at our office any quantity of the celebrated Gauge Cocks known as "Adams' Patent" on reasonable terms. The invention was represented by an engraving in No. 11 of this Vol of the Scientific American and is an excellent improvement. Price single \$10 with the right to use, and they may be sent to any part of the United States. Address MUNN & CO., Post Paid. j27

A Premium and Diploma were awarded by the New York Rensselaer Co. Fair, to S. Lichtenhaeler, for his patent Blind fixtures, being an apparatus for Opening and Shutting outside Window Blinds, from the inside of the house, without raising the sash.

Persons desirous of obtaining patent rights of this invention for any of the Southern or Western States, will apply to the undersigned Patentee (the rights for the states of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, Michigan, Ohio, Pennsylvania, Delaware, Maryland, the 11 northern counties of New Jersey, and the District of Columbia, are all sold off)

S. LICHTENTHAELER.

Litz, Lancaster, Co. Pa.

Notice.—All power of attorney given to C. H. Farnham, has been cancelled, and is hereafter null, and void, and he is therefore no longer authorized to sell, or transact any business appertaining to the above invention for me S. LICHTENTHAELER. j27 2m\*

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. (d16) New York

DICK'S ANTI-FRICTION PRESS.

THIS Press, which was patented in October last, combines great simplicity of construction with intense severity of operation, compactness, convenience for use and cheapness, and is admirably adapted to a great variety of purposes, such as pressing Oils, Cotton, Tobacco, Hemp, Hay, Cheese, Cloth, Paper &c.; Baling goods; Embossing and Printing; Envelope Cutting; Jeweller's work; Shearing Metals; Hoisting vessels into docks; Gumming Saws; Making Lead-pipe; Punching, Rivetting and Cutting Iron &c. &c. &c. Orders and Communications to be addressed to WM. D. HARRIS, j63m\* Agent for the Patentee, 138 Front st. N. Y.

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. (d26m\*) New London, Ct.

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 postpaid. n8 SAMUEL C. HILLS, Patent Agent.

PREMIUM SLIDE LATHES.

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.

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. a16

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\*

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. C. JOHNSON. Augusta, Maine, Oct. 25, 1848. o28 1y

Lap welded Wrought Iron Tubes FOR TUBULAR BOILERS.

From 1 1/2 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,  
28 Platt street, New York d30

HARTSON'S FIRST PREMIUM TOOL MANUFACTORY.—42 Gold st N. Y.

WHERE he continues to manufacture at short notice his Superior Turning Lathes, Drilling, Slotting, Bolt and Gear Cutting Machines of all sizes, together with all other tools required in engine and Machine Manufactories. All made in the best possible workman-like manner. Each tool is carefully adjusted before leaving the manufactory. Communications for particulars cheerfully responded to by addressing, (Post paid.) j133m. G. B. HARTSON

SAW MANUFACTORY.

LEAVITT & M'DANIEL, Fisherville, N. H., Manufacturers of Mill, Circular, Tennon, Cross-cut, and Pit Saws. Also, Felloe, Turning and Veneering Saws; Billet or Wood Cutter's Saws; Iron or Brass Web Saws, Pruning and Butcher's Bow Saws, Chest, Hand, Pannel and Rippling Saws. Also, Flattering Trowels. J. McDaniel, Concord, Wm. D. Leavitt, Fisherville. RUFUS R. LEE, Manufacturers' Agent, No. 11 Kilby st. (up stairs) Boston, Mass. d30 3m\*

IMPORTANT TO WOOLEN MANUFACTURERS.

THE subscriber in consequence of declining health is desirous of disposing of his Wool Carding, Dyeing and Cloth Dressing Establishment situated in the Town of West Somers, Westchester Co. N. Y. The building is in good repair and the Machinery in perfect running order with a profitable set of customers. The Establishment pays an excellent profit and affords the best facilities for Country Manufacturing. The only cause for the owner wishing to sell is for the reason above stated. Further information may be obtained by applying to Josiah Fowler No. 20 Beaver st. New York, or by addressing the subscriber (post paid) at Peekskill, N. Y. R. C. VARNEL. j20 4t\*

Z. C. Robbins,

Consulting Engineer and Counsellor for Patentees. Office on F street, opposite Patent Office, Washington, D. C. j26 tf

BRICK MACHINE WANTED.

THE subscriber wishes to purchase one or two Brick Moulding Machines of cheap, durable and simple construction. A machine that will mould bricks without the use of dust or sand upon the moulds would be preferred.

Persons having such machines for sale address the subscriber at Washington, N. C. (Beaufort County,) giving a description of the same. j27 3t J. B. C. CLARK.

Agricultural Implements.

Inventors and Manufacturers of superior Agricultural implements may find customers for their goods by applying at the Agricultural Warehouse of S. C. HILLS & CO. 48 Fulton st. n8

A. G. FAY.

MANUFACTURER of Lead Pencils. Graduated Drawing; writing and Stylographic; and Artist's pencils, Crayons, Ever points, Pen Holders &c. The above pencils are peculiarly adapted to Mechanical use, as they possess great firmness and strength of points. Orders solicited from all parts of the country and goods forwarded with despatch. Concord, Mass. j20 tf