

TO CORRESPONDENTS.

"E. H. and H. W. C. of Mass." "H. W. D. of Ct." and "J. E. W. of Mo."—Your papers have been sent to you for signing, and as soon as you return them properly executed they will be immediately despatched to the Patent Office.

"R. J., C. J. & M. C. of Mass."—Your model has been received and on the receipt of the Patent Office fee (\$30,) we shall proceed with your business.

"W. H. D. and R. C. of Mass."—Your models have come to hand and your inventions shall receive an examination on Monday.

"E. B. of Mass."—Your business is progressing.

"A. G. of Mass."—Your letter containing \$30 came safe to hand. Your suggestions shall be kept in mind while preparing your specification.

"S. G. of Ky."—You are perfectly correct in reference to the power of the steam and the resistance of the atmosphere, 15 lbs. must be deducted from the real pressure. Your ideas respecting the secondary low pressure cylinder are not fallacious but correct, but you have hit upon a thing that has been long in use in Europe and in some places here. You may have heard of the Wolf Engines. They are built on that principle. The best engines built on this principle, are by McNaught, a drawing of which is in our possession.

"J. M. B. of Ohio."—There is no patent for the hot blast now in existence to our knowledge—the hot blast is more than 30 years old. We suppose that the best way is to heat the air by a single fire.

"S. J. C. of Geo."—The improvements you refer to in Saw Mill gearing &c will be found on page 316, Vol 3 Scientific American. It relates to applying the direct power of the piston to upright saw working in a slide frame. Whether it will answer a beneficial purpose or not we cannot say, you could obtain the particulars by addressing the inventor. We do not know who to refer you to.

"P. R. of Va."—In order to avoid all the difficulties you enumerate—mature your invention, and obtain letters patent for it without delay. There is no danger of your being anticipated if you take seasonable steps to secure it. Your best course will be to forward a model to this office for examination. Keep your invention as secret as possible—in our hand it will be safe, as we do not speculate in patent rights.

"A. W. B. of Ill."—The Daniel planing machine advertised in the Sci. American was sold 3 months ago, at an unprecedented low price for such a machine. New ones are worth from 500 to 800 dollars. The Woodworth machine can be obtained of John Gibson, Albany N. Y.

"P. C. L. of Geo."—If you refer to a specification for a patent it requires 2 witnesses, a deed of sale may be witnessed by 1 or 2 persons, it is not material.

"J. P. of Mass."—Your Pedemotive Carriage, presents some novel peculiarities. But the disposition of the generality of our people is to avoid the physical labor that is now so nobly performed by the horse, and from the fact that railroads have become so general throughout the country, we take it for granted that your efforts (however honorable) to introduce such a carriage, will result to your disappointment.

"G. W. L. of Pa."—Your model and funds have been received. Your business will be attended to soon.

"D. W. E. of N. Y."—There has been some very recent improvements made on Paddle Wheels, constructed with moveable paddles. We are of the opinion that they have not been tested sufficient to decide positively, as to their utility. You will find one noticed in No. 20 present Vol. Scientific American.

"W. C. of Vt."—Your letter and remittance of the 14th inst. came safe and the mistake you speak of has been rectified, accept our thanks for your interest in procuring subscribers.

"W. A. W. of Ala."—We have deposited your business into the hands of an extensive and reputable house, and you will hear from them soon.

"G. A. of N. Y."—A person can obtain letters patent on an invention in the manner you speak of if the patent office has no knowledge of its existence. If it can be shown that the

invention has been in public use two years preceding the application, it will invalidate the claim.

"W. T. M. of S. C."—We cannot furnish you the engines for less than \$410, free of shipping expenses.

"D. G. of N. Y."—We are in receipt of your communication of the 9th inst. The accompanying description of your new principle, appears well upon paper, but we have strong doubts of the operating value. You may rest assured that it will never supercede the use of steam.

"J. J. T. of Geo."—We shall be unable to attend to your purchases at present as we are very much pressed with our legitimate business. It would require 2 days time to ascertain all the information you require.

"B. B. of Me."—We know of no work that would give you any information that would be of service to you upon that subject.

"C. F. G. of O."—It would be well for you to have a cut of your Machine represented in the "Scientific American." Those who have spent 10 dollars for having an engraving of their machines represented in the "American" have never expressed a regret to us that they had done so, except in one case and then the complaint was that the article had attracted so much attention that they could not supply the orders for them. Send us \$8 and you may have the same cause to complain. It would make a fine engraving and is a good invention.

"S. H. of Pa."—You will see the notice next week.

"D. W. of La."—The whole object of rotary engines has been to obviate the use of the crank. They are inferior in every respect to the cylinder kind, for working economy, and surely attached to a crank—more so than to communicate the power direct to a revolving shaft. The mercury gauge is now in use on boilers here. The Patent Laws that you speak of would never answer—it is not republicanism—but a centralism. This you perceive would soon make the people abolish the whole system.

"H. A. of Missouri."—Next week you will find the matter described.

"J. J. of N. Y."—Waste not your time in constructing air guns or air engines.

"L. J. M. of Mass."—Do not be at the expense of applying for a patent—none would be granted.

"F. A. S. of Wis."—Your model of your alleged improvement in Water Wheels has been received and we find upon examination that there is no possibility of your obtaining letters patent for it. The same combination has been rejected, and had it not been, the whole principle is used in Haviland & Tuttle's patent which precludes the possibility of your success.

"R. S. of Mass."—Your model has been received, we shall await your reply to our communications of 17th inst. The improvement in the model is perceptible and will answer for the patent office, in case you should conclude to differ from our suggestions in regard to making the application.

"T. R. Jr. of Mass."—You will never succeed with your invention, the novelty is so slight, that it would be impossible to make a claim that would be granted by the Commissioner.

We have received numerous enquiries in regard to the sale of patent rights. Our arrangements have not been completed and cannot be at present.

TO IRON FOUNDERS.

FINE ground Sea Coal, an approved article to make the sand come off the Castings easily; fine bolted Charcoal Blacking; Lehigh fine Dust, and Soapstone Dust for facing Stove Plates, &c. &c.; also, Black Lead Dust, for sale in Barrels, by GEORGE O. ROBERTSON 283 West 17th st. New York.

INFORMATION WANTED.

THE address of the gentleman, who advertised in this paper on the 29th April 1848, for a person competent to erect a Shot Tower &c. Address m20 3t*

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.

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. 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.

MORSE'S AIR DISTRIBUTOR.

For Burning Wet Saw Dust, Tan, Turning Chips or other fine Fuel.

Patented 1846—Re-issued 1848.

IN LOCKPORT N. Y., the Steam Double Saw Mill of R. H. Stevens, running two Saws 160 cuts per minute—2 Stave Sawing and one Planing Machines, Jointer and Circular Saw for cutting off, is driven wholly by the saw dust as made from green logs, bark and clips, without wood or slabs, except for kindling, and has been since October last. Two boilers, 20 feet long, 40 inches diameter, each 2 flues, with heaters, and a chimney 40 feet high are used; a good draft being indispensable.

In Buffalo, N. Case & Cos. Tannery has been running since May 1848, a large Bark mill, 2 sets heavy hide mills, 4 pumps, one roller, two last turning and two last finishing machines and one circular saw for sawing timber, with TAN, without a stick of wood; kindling up with turning chips. Before May last, two cords of hard wood were used daily to do the same work, saving more than one thousand dollars per ann and using up worthless fuel. A large number of Tanneries, Steam Saw Mills; & Machine shops have introduced this great discovery in western New York.

Every Saw Mill and Tannery running by steam in this State, can do likewise, and save hundreds of thousands of dollars; and all establishments running by steam, where fine fuel can be had can make a great saving in cost of fuel, by applying to the subscriber, (post paid,) for the right to use in this State and the castings, or to Dr. John A. Campbell, Buffalo. The whole expense is usually saved in cost of fuel in from three to 6 months. Competent persons sent to place the castings if required.

Infringements on this Patent will be prosecuted forthwith. L. A. SPALDING. Lockport, N. Y. m24 3t*

MUNGER'S IMPROVED TURBINE WATER WHEEL.

THIS wheel has been thoroughly tested, and is found to do double the work of a good tub wheel with the same water—no mistake. Many will understand better what it will do by comparing it with the common tub wheel, as in many places these are mostly used. The public trials in this city have caused a number of scientific men to engage in the business, as follows:—

Charles Pierce, of this city, has bought the right of the State of Maine, and is ready to build or sell rights to any in that State. All letters on this business should be directed to Charles Pierce, Marchester, N. H. John G. Meeder and Andrew Edgerton, have that of Illinois, Michigan and Indiana, and all letters of inquiry must be directed to John G. Meeder, Michigan city, Indiana, as he is on his way there with the models, drawings, &c., to give all a chance that wish to engage in it. Thomas S. Jamieson has that of Virginia and Maryland. All letters from these States should be directed to Thomas S. Jamieson, Alexandria, Virginia.

I wish for some good Millwrights in New York State to inform themselves as to the utility of this wheel and engage in the business. Good encouragement will be given. My Post Office address is m24 HIRAM MUNGER, Manchester, N. H.

PATENT LUBRICATING OIL FOR MACHINERY.

THE subscribers are now prepared to supply Devlan's Patent Oil in any quantity. Machinists, Manufacturers &c., are invited to examine the article. Certificates of its superiority over all other oils from some of our most extensive manufacturers can be seen at this office.

KENNEDY & GELSTON, 51-2 Pine-st. New York, Sole Agents for the New England States, and State of New York. Samples of the oil may be seen at the Scientific American Office. m10 1f

Lap welded Wrought Iron Tubes FOR TUBULAR BOILERS.

From 1 1-2 to 8 inches diameter.

THESE are the only Tubes of the same quality and manufacture as those so extensively used in England, Scotland, France and Germany, for Locomotive, Marine and other Steam Engine Boilers. THOMAS PROSSER, Patentee, d30 28 Platt street, New York.

BRITISH PATENTS.

MESSRS. ROBERTSON AND CO., PATENT SOLICITORS.

(Of which Firm Mr. J. C. Robertson, the Editor of the Mechanics Magazine from its commencement in 1833, is principal partner,) undertake

The Procuration of Patents. For England, Scotland, Ireland, and all other European Countries, and the transaction, generally, of all business relating to patents. Instructions to Inventors can be had gratis, on applying to Mr. THOMAS PROSSER, 28 Platt Street, New York; as also the necessary forms of Petition and Declaration for British Patents.

PATENT OFFICE, 166 Fleet Street, London. m10 1f

POWER LOOM HARNESSES.

Middle Street, Newburyport, Mass.

WILLIAM DICKINSON Jr. would most respectfully inform the manufacturing public that he has commenced the "Heddle" making business in all its branches and is prepared to receive orders for all kinds of Harnesses which will be executed in a superior style and on terms as reasonable as at any other establishment (including Cotton and worsted, plain and fancy harnesses for weaving every kind of goods.) Agents and others who are intrusted with orders of this kind may rely on having their work done promptly and in a satisfactory manner.

N. B. The subscriber having had fifteen years experience in the harness making business in England and upwards of six years in America hopes this will ensure him a share of public patronage. f10 6t*

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.

fs SAMUEL C. HILLS, Patent Agent.

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. G. JOHNSON. Augusta, Maine, Oct. 28, 1848. o28 1y

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.) j13 3m. G. B. HARTSON

SAW MANUFACTORY.

LEAVITT & M'DANIEL, Fisherville, N. H., Manufactory 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, Plastering Trowels. J. McDaniel, Concord, Wm. D. Leavitt, Fisherville. RUFUS R. LEE, Manufacturers' Agent, No. 11 Kilby st. (up stairs) d30 3m* Boston, Mass.

Z. C. Robbins,

Consulting Engineer and Counselor for Patentees. Office on F street, opposite Patent Office, Washington, D. C. j20 1f

E. NEVILLE, WOOD ENGRAVER.

122 Fulton st. corner Nassau. The above is prepared to execute all orders at the shortest notice and on the most reasonable terms.

STEAM ENGINES.

WE have on hand a few first rate 5 horse power engines of superior construction complete with pumps, regulator and connecting pipes that we will sell for the low sum of \$250.

The engines are made of the best material and the piston works vertically so that they occupy but little space. Address MUNN & CO. New York, Post paid. m3

A. G. FAY.

MANUFACTURER of Lead Pencils. Graduate Drawing; writing and Stylographic; and Artist's pencils, Crayons, Ever points, Pen Holders &c. The above pencils are peculiarly adapted to Mechanics use, as they possess great firmness and strength of points. Orders solicited from all parts of the country and goods forwarded withdespatch. Concord, Mass. j20 1f

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. fs

SUPERIOR TURNING LATHES.

JAMES STEWART, 15 Canal-st. and 106 Elm-st. i 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 \$800. A specimen of this description may be seen at his factory as above. j27 1f

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, j6 3m* Agent for the Patentee, 138 Front st. N.Y.