

**TO CORRESPONDENTS.**

"A. B. of Mass."—The machinery you speak of "with a transverse motion," could not be patented; other patents cover all the ground for transverse, dip and lift, &c.

"C. R. of Ohio."—There is a very good book on dyeing Wool and Cotton, especially cotton. It is called the Art of Dyeing. Its cost is \$3.50, yet we would advise you to hire a good dyer for some time as we have seen no work on dyeing that describes correctly both the woolen and cotton processes, which are distinctly different.

"S. N. of Conn."—We will attend to your directions.

"J. E. of Ohio."—We received yours all correct. Mr. Stewart's engine will require to be longer in operation to prove and establish its superiority.

"H. P. of Pa."—The issues of Hotchkiss or any other wheel cannot discharge more water under the same head, than a throat of the same number of square inches.

"G. S. D. E. of Mass."—Your design for an ornamental stove, is certainly new and must be beautiful. We have never seen or heard of the same design being either used or patented.

"D. B. of Vt."—We have received your verses and will give them due consideration. There is no field so difficult of success as in poesy. You have the spirit-soaring imagination but it requires polishing, and no person can do this but the bard himself.

"J. A. H. of Me."—The best work for you to procure is "Scott's Engineers and Machinists Assistant," price \$26; may be had at this office.

"S. C. T. of Geo."—We will furnish them gratis if you will inform us the numbers.

"E. R. B. of Wis."—Your funds are received.

"Goodwin & Co. of Ia., and W. H. Harris of Va."—Your engines and boilers were both shipped last Thursday week. The former was sent aboard the Mayflower, and directed to the care of B. and O. line of canal boats, and the latter was put aboard the schr. Vermillion, which sailed the next Monday morning for your port. The engine and boiler was sent in 8 parcels, all insured and freight paid to Richmond wharf, as per contract.

"C. K. of N. J."—You must have penned your letter too hastily. It is not possible to give an opinion upon any question unless it is plainly and clearly described. Your first diagram was much like Winder's and different from your present one. If you will reflect for a moment, you will perceive, that if you apply directly the power you employ to force up the water to the reservoirs, you will get all you want and save all the expence of pipes, reservoirs and friction.

"L. W. D. of N. Y."—It would no doubt bring your spring balance into notice to send it to the Fair, but we would not be able to do you justice in accepting the agency at present as we could not attend to the business.

"E. N. B. of N. J."—A slide rest for any lathe cannot be had ready made here, though one could be made to order.

"S. J. of N. H."—Your plan for a water wheel develops no new principles and you could not obtain a patent. \$2, O. K.

"J. D. of Mass."—Your engine appears new, but whether it is of value we cannot say until it has been tested. It will be well for you to have an engraving of it published. We are now publishing in our paper a history of the Rotary Steam engine, with engravings, some of which you will find in every number, and if you like yours can be included among the rest.

"T. J. K. of Va."—The Locomotive, or the horizontal boiler, would be the best for your purpose. The 12 horse engine we had, is sold. We shall have some more before long. Gutta Percha bands are very good where there is no heat.

"B. P. of Conn."—The hard woolen waste is first torn by machinery like that used for cotton or for hair mattresses.

"H. R. of S. C."—Two machines for making Spokes, one for turning the rough and the other called the finisher, cost three hundred dollars each, sold at Newark, N. J.—There are others somewhat less. One at \$300

would perhaps answer your purpose. We cannot tell what is the price of Munsell's Morticing machine, but it would just answer you. He resides in Saratoga Co., this State.

"S. N. R. of H."—The Gutta Percha may remove your difficulties. It is very hard and yet has elasticity, but is very easily affected with heat. It can be made quite soft in boiling water, and when cold it is hard as horn. Armstrong & Co., Gutta Percha Warehouse, William st New York, is the direction.

"A. B. of Ct."—There can be no doubt of a patent in your case.

"A. Mc. K. of N. Y. and A. S. M. of Vt."—Your specifications were sent to your respective addresses for your signatures last week. Hope you received them duly and will return them as soon as possible.

Many of our Correspondents to whom a reply is due must excuse us for non attention to their requests till some future number. We have been unusually hurried for a few weeks past, and the communications and letters of enquiry have poured in upon us in such torrents that we cannot answer you all for several days.

We have not forgotten any of you however, and your respective requests shall receive attention as soon as possible, probably in the next number, and some of you previous to the next issue, by mail

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For Burning Saw Dust or Tan instead of Wood for running Steam Engines.

STEAM SAW MILLS are now running and have all the heat they require, from the saw dust and bark, saving the slabs and cord wood heretofore used. Tanneries also by this air distributor, have all the fuel they want by burning the tan. The saving is a great one, and the expence of the arrangement trifling, compared to the advantages.

The undersigned has the exclusive right to vend, use, and manufacture "Morse's Air Distributor," in the state of New York, to whom application may be made.

Infringements on this patent will be prosecuted, and the rights secured by the letters patent rigidly enforced.

Lockport, 8th mo. 28, 1848. L. A. SPALDING.

**CERTIFICATES.**

LOCKPORT, N. Y. Sept. 18, 1848

I hereby certify that I have one of Morse & Brother's Air Distributors, in my Steam Saw Mill at this place. My fire place is 11 feet by four feet 9 inches, under 3 flue Boilers, 12 feet long by 40 inches diameter. I have 2 engines, the cylinders are, one of 12 and one of 10 inch diameter, and 2 feet stroke.

The sawdust, bark and clips from the oak plank I am sawing (without any cord wood or slabs) is all sufficient for driving my two Gang saws for plank, and five gang of Saws for sawing stone.

I have a superior chimney. The draft is perfect. My engineer and Firemen say, they get up steam in about half the time they formerly took. To me the saving is great—any one can calculate for himself.

To L. A. SPALDING. GEO. REYNALD.

We have been running a Steam Engine for some years, to propel machinery for driving a tannery with a large bark Mill, two sets heavy Hide Mills, four Pumps, one Roller, two Last Machines for Turning Lasts, two Machines for finishing Lasts, and one Circular Saw for sawing timber—the Engine supposed to be fourteen horse power—in which we used two cords of wood (hard) per day. Thirty-three days ago to-day we were induced to try Morse's Patent Grates, or Air Distributor, and to our entire satisfaction. We find a saving of at least 4 dollars per day in using Tan. We find no trouble in raising all the Steam we want, with Tan. Since we have put in your Patent Burner, we have not used a stick of wood, and we cheerfully recommend them to any, and to all who wish to save wood, where Saw-dust, Tan or coal may be used. N. CASE & CO. Buffalo, June 19, 1848 s23 4t

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THE subscribers would respectfully give notice that they still continue to attend to Patent Office business as usual. The long experience they have had in securing patents, together with their unrivalled facilities, enables them to say that THE BEST PATENT AGENCY, in the United States, IS AT THE OFFICE OF THE SCIENTIFIC AMERICAN, New York. It is not necessary, as commonly supposed, for an inventor to make a journey to Washington in person, in order to secure a Patent, as he cannot in any manner hasten the Patent or make his invention more secure. 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 came in person. From a want of knowledge on this point, applicants for patents are often obliged to submit to great vexation, with loss of much money and time. They also frequently fall into the hands of designing persons, and lose their inventions as well as money. Those who wish to take out Patents or enter Caveats, should by all means have the business transacted through the SCIENTIFIC AMERICAN OFFICE, as they may then rely upon its being done in a straight forward and prompt manner, on the very lowest terms. All letters must be Post Paid and directed to MUNN & CO., Publishers of the Scientific American, 128 Fulton street, New York.

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**Johnson & Robbins,**

Consulting Engineers and Counsellors for Patentees. Office on F street, opposite Patent Office, Washington, D. C. j17 ft

**Saws.**

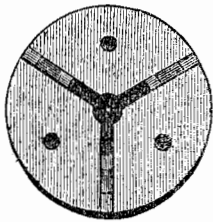
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THIS Machine, on which Letters Patent were granted May 1st, 1847, has been in successful operation for the past year, and hundreds of thousands of staves have been dressed by it. It is warranted to dress the same quantity of staves with as little power as any that can be started, also leave the full thickness on thin edges and thin ends, and conform as near to the crooks and twists of the timber as can be desired. The jointing of the machine which accompanies it, has been subjected to the severest test, and pronounced superior to that performed by hand. Application for a patent on the Jointer has been made.

Large quantities of Hogheads and Shooks made with staves dressed and jointed with their machines have been sold and used to the entire satisfaction of the purchasers.

For rights and machines address the proprietors at their Manufactory, Artizan street, New Haven, Connecticut, where machines in full operation may be seen. JUDSON & PARDEE, New Haven, July 17, 1848. jy29 3m\*



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THOMAS PROSSER, Patentee, 28 Platt street, New York d26

**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 eight in more shingles can be sawed in the same given time than by any other machine now in use. Augusta, Maine, Oct. 1, 1847. J. G. JOHNSON.

**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.

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