

TO CORRESPONDENTS.

"M. P. of Conn.;" "H. D. C. of Mass.," and "N. G. H. of Me."—Your specifications have all been forwarded to Washington, and the models deposited with the forwarding Agent of this city.

"D. E. S. of Mass."—There would be a difficulty, if you do as you say, before making application. If your invention is of the least value, better not run any risk as the cost of securing it is trifling.

"D. W. of Pa."—The engine is sold.

"W. O. of N. J."—Incubation by means of artificial heat is a very common thing now a days.

"C. M. M. of Penn."—Your plan for a condenser is not new. Application for a patent for the same was made last spring by another gentleman, of Connecticut.

"J. N. of N. Y."—We fear your plan for propelling Canal boats would not be of any benefit. The paddlewheel, is in our opinion superior to any thing. Your plan is entirely new and we could without difficulty obtain a patent for you. \$1, O. K.

"W. R. Y."—The whole amount for the engine must be paid in cash.

"S. G. of Mass."—The difference in applying for a Patent is this; the longer you delay the more chance there is for others to supercede you. Lose as little time as possible. The Patent Laws will be sent in a day or two. \$1, O. K.

"J. S. of Md."—A good substantial engine for the purpose you name will cost \$250. The power will be 2 horse. We would not recommend less power as engines below are not easily managed nor do they work well in the long run.

"G. W. D. of N. Y."—The brass can only become harder by the addition of more copper in the composition.

"R. W. of Vt."—The man who makes the improvements, has the sole right to them, whether hired or not. No person can use them without his consent—if hired to make a machine and he makes an improvement on it without being consulted, it shows that he gave consent to its use—but only that machine. The manufacture of Wood is kept somewhat private.

Webster's Unabridged Dictionary.

Below we copy an article from the New York Tribune, which shows the vast celebrity this work has received even in the most distant parts of the globe.

"The publishers of Webster's Unabridged Dictionary, in crown quarto, received an order for 12 copies of that work lately from Ceylon. Its fullness precision and accuracy renders it an indispensable aid, not only to the student at home, but to the Missionary abroad as he opens the treasures of the English language to the dark mind of his heathen scholar, or moulds to order and system the ruder elements of his native tongue. The revised edition has already been published in England." See advertisement of this work in another column.

Mechanical Principles.

This is a new work by Charles Elbridge Leonard, containing all the various calculations on water and steam power and the different kinds of machinery used in manufacturing with tables showing the cost of manufacturing different styles of cotton goods. It is just such a work as is required at the present moment. It contains tables of beltings, speed and every calculation required in almost all kinds of machinery.

There are likewise introduced at the end of the work some two hundred Problems, showing the application of the different tables. These Problems show that the tables contain all the necessary information required to perfect any problem that is connected with the subject of manufacturing.

On the subject of Cotton Manufacturing there are several problems introduced, showing the number of spindles with looms required to manufacture the estimated production of cotton of the United States into certain styles of goods; the number of operatives required; the amount paid them per year; and also the amount paid out per year, including all expenses except the cost of cotton.

The plan of this work differs very materially from any before published—the calculations

being so condensed and arranged, that those who possess but very little mathematical knowledge will be able to obtain the solution of the most intricate problems in mechanical science. From its scientific simplicity, it is believed that the work will prove very valuable and satisfactory to all who are interested in any of the subjects upon which it treats.

The author Mr. Leonard, has had excellent opportunities to produce an accurate and interesting work—selecting the best materials and arranging them in the most instructive and simple order. The volume contains 197 pages, price \$1.50. We will send copies to any person who remits the above amount.

Life and Writings of Hogarth.

J. S. Redfield, publisher, Clinton Hall, has favoured us with a copy of a new edition of the life and writings of that inimitable humorist, Hogarth, which we recommend to every one that has not read his works. It is embellished with numerous cuts representing his master pieces, which of course are very amusing.

Cliff Copper Mine.

The shipment of copper this season by the Cliff Mining company, (Lake Superior,) will yield at least \$256,000, and will enable the company after discharging its old debts, and paying for its land, to divide to its stockholders \$180,000.

Sending Receipts.

It is impossible for us to enclose receipts to our subscribers in the paper without violating the Post Office laws and thereby rendering ourselves liable to be fined. But all persons who receive the paper may take it for granted that their money has come to hand, or that the time for which they have formerly paid has not expired, for in no case do we continue sending unless the pay has been received in advance.

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.

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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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To Cotton Manufacturers.

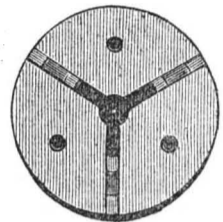
THE Subscriber will furnish Cotton Manufacturers with his improved Cotton Willow. The fact of its being introduced into most of the best mills in New England is the best proof of its excellence. It is extremely simple in its construction and will do more and BETTER WORK with a less expenditure of power than any other Willow; it prepares the cotton so much better than any other that there is much less power and repairs needed on the succeeding machinery. It is as safe from fire as a Card, and its form and action are such as to draw all the flyings and dirt from the journals; it will convey the cotton to any desirable distance short of 250 feet. It can be placed in the basement of a mill or other place nearly worthless for other manufacturing purposes, and will blow the cotton into the rooms above. All necessary information given for placing and operating the machine in any peculiar or difficult situation. EDMUND BACON, Superintendent Quinebaug Manufacturing Co. j24 tf Norwich, Conn.

Judson's Stave Dressing Machine.

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 Hogsheads 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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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



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To Mill Owners.

HAVLAND & 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.

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