

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 Principia.

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.

Advertisements are inserted in this paper at the following rates:

Table with 2 columns: Description of ad space and Price per insertion.

TERMS:—CASH IN ADVANCE.

GENERAL AGENTS

Table listing general agents for the Scientific American across various cities like New York, Boston, Philadelphia, 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.

Saws.

L EAVITT & M'DANIEL, Concord, N. H., make of the best cast steel the following Saws: Circular, Mill Tennon, Cross-cut, Felloe and Vennering Saws. Also, Turning and Billet Webs, and Butcher's Bow Saws. No saws ever made equal to their cast steel Mill Saws. The trade supplied on liberal terms.

The Best Patent Agency in the United States.

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.

The largest, best and cheapest Dictionary in the English language, is confessedly WEBSTER'S.

the entire work, unabridged, in 1 vol. Crown Quarto, 1452 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.

Containing three times the amount of matter of any other English Dictionary compiled in this country, or any Abridgment of this work, yet

"Its definitions are models of condensation and purity. The most complete work of the kind that any nation can boast of."—HON. WM. B. CALHOUN.

"We rejoice that it bids fair to become the standard Dictionary to be used by the numerous millions of people who are to inhabit the United States."—Signed by 104 members of Congress.

Published by G. & C MERRIAM, Springfield, Mass., and for sale by all booksellers. s23 2m

THE WEST STREET FOUNDRY, corner of Beach and West streets, will furnish at the shortest notice, Steam Engines and Boilers in all their varieties, and on the most reasonable terms, together with castings of brass or iron, and machinery in general. Orders attended to with dispatch, and particular attention given to repairing.

POWER TO LET—RARE CHANCE.

THREE rooms, 40 feet square, one room 60 by 40 feet, 2nd floor, power from engine, 25 in. cylinder, 4 1-2 feet stroke. Let together or in parts. Apply at West street Foundry, corner of Beach and West streets. s23 3m

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

TO IRON FOUNDERS.

Pulverized bituminous, or sea-coal Facing, an approved article for mixing with moulding sand to make the sand leave the castings easily. Also fine bolted charcoal and anthracite coal dust, soapstone, and black lead on hand in barrels, and for sale by G. O. ROBERTSON, Importer, 283 West 17th street, N. Y. s23 4t

GENERAL PATENT AGENCY.

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. a8 SAMUEL C. HILLS, Patent Agent.

Johnson & Robbins,

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

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.

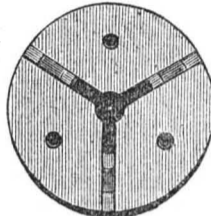
EDMUND BACON, Superintendent Quinebaug Manufacturing Co. j24 tf Norwich, Conn.

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



UNIVERSAL CHUCKS

FOR TURNING LATHES For sale by the Manufacturer's Agents, QUINCY & DEALA PIERRE, 81 John street New York. s2 3m

Coal.

THE Subscriber has constantly for sale by the cargo or ton all sizes of Coal for MANUFACTURERS and FAMILIES, from the best Schuylkill and Lehigh mines. Hazleton and Spring Mountain, lump and steamboat Coal. Tamaqua Chesnut for engines, Peach Orchard and other red ash Coal. Midlothian, Virginia, a superior article for smith's use. Cumberland, Sidney and Liverpool Coal. For sale at the lowest market prices. J. F. OSTROM, a8 3m corner 10th Avenue and 26th st.

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

Agricultural Implements.

THE 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. a8 3m

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. a15



The above is prepared to execute all orders at the shortest notice and on the most reasonable terms.

Lap welded Wrought Iron Tubes FOR TUBULAR BOILERS,

From 1-4 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 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. Patent Rights for different States, Counties, &c. for sale, as above. m26 6m

Improved Electro Magnetic Machine for sale cheap.

ONE of Morehead's Celebrated Magnetic Machines in good order, and perfectly new. Price 10 dollars. It is encased in a beautiful rosewood box, and may be shipped to any part of the United States with safety. Address MUNN & CO. s9 tf. Pub. Sci. Am. New York.

STEAM BOILER.

BENTLEY'S Patent Tubular and other Boilers of any size, shape or power, made to order, by SAMUEL C. HILLS & CO. a8 43 Fulton st.