

TO CORRESPONDENTS.

"C. H. of N. Y."—Your invention will produce no gain, but much loss of power. The most advantageous way in which water power can be used is its direct application to a wheel. Steam, having a far more elastic property than cold water, is usually confined by an engine something like yours; but it is at a great loss of power.

"A. J. G. of N. Y."—The Scientific Mechanic has long since ceased to exist.

"E. C. of Mass."—The Encyclopedia of Chemistry now publishing in numbers by Cary & Hart of Philadelphia, and to be had at Hotchkiss & Co.'s Publication Store, in your place, contains the methods and theory of making white lead.

"J. H. C. of Ohio."—We know of no person at present who would join you; from what you write, we think you have hit upon something which will prove valuable.

"S. of Penn."—Chains have been made of the same form as yours and for that no patent could be secured, but for the steel surfaces we are not aware of any patent granted, or the same thing having been known before. The patent fee, without which no application can be noticed at the Patent Office, is \$30.

"W. T. J. of Me."—We do not know of any electro-magnetic battery, constructed like yours. We consider that you have made a beautiful and useful improvement.

A correspondent writes us and signs himself "Orange County," wishing to know if a pool from 20 to 30 feet deep can be emptied by a tube with a curve leading down a declivity. We answer that it can, and any work on Natural Philosophy will explain the subject. The principles of the syphon is old but the interrogations of "Orange County," warn us not to forget to teach the old as well the new. In fact there is no such thing as "old philosophic truths;" they are ever fresh and ever young, to all generations.

"M. W. of Me."—We again repeat what we have often before said that we cannot weary ourselves to give advice gratis to those who are not our Patrons. We wish all to remember this, and to tell their neighbors of it too.

"E. H. of Boston."—We do not know of a single manufactory of Plate Glass in our country. We hope to see this branch of the arts established soon in America. The materials are abundant.

"I. P. H. of Maine."—We do not know of any hydraulic ram exactly like the one in your sketch, but there are plenty of good rams to be bought in this city.

"O. B. of Ohio." "R. S. I. of Mass.," and "N. B. L. of La."—Your volumes of Scientific American have been sent by Express, and we hope they will reach you safely.

"A. C. B. of N. C."—We shipped that parcel of Gutta Percha, by the packet ship Isabella, which sailed for your port last Saturday.

"E. H. B. of Mass."—Write to the Commissioner of Patents. Many patents have been granted, that have been applied for since you have made application.

Encyclopedia of Chemistry.

We have received from the publishers Messrs. Cary and Hart, of Philadelphia, the first eleven numbers of their splendid work with the above title. This work is published in monthly numbers at 25 cents each, a price which can be paid by every man who has constant labor, and every man who has any desire at all of acquiring a knowledge of the beauties and benefits of chemistry, should not be without this work. It is edited by J. C. Booth and C. Morfitt of Philadelphia, gentlemen well known as authors and as practical and analytic chemists. Every number as it comes out, is wrote up to the very moment it goes to press and contains every thing that is new. It is certainly a valuable work.

Ranlett's Architect.

We have received Number 3 of this valuable publication, and most heartily recommend it to our architects and carpenters, and to all who have a taste for that Science. It is published by Wm. Graham, Tribune Buildings, N. Y. Each number is illustrated with two or more beautiful designs, with working plans and full specifications, price, &c.

Patent Agency.

Applications for Patents made at this office, on the most reasonable terms. Neat drawings, specifications, and engravings of the first character, and cheaper than anywhere else. Notices of new inventions, Agency for the sale of Patent Rights, and all business of that nature, promptly attended to. Those who have patent rights to dispose of will find a good opportunity and field for their sale—such as Horse Power Machines and Waterwheels of every description. The largest circulation in the world for advertisements of inventions, &c.

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 (e.g., One square, of eight lines one insertion) and Price (e.g., \$ 0 50).

TERMS:—CASH IN ADVANCE.

GENERAL AGENTS

FOR THE SCIENTIFIC AMERICAN.

New York City, Geo. Dexter. Boston, Messrs. Hotchkiss & Co. Philadelphia, Stokes & Brother.

LOCAL AGENTS.

Albany, Peter Cook. Baltimore, Md., S. Sands. Bermuda Islands, Washington & Co. Cabotville, Mass., E. F. Brown. Concord, N. H., Rufus Merrill. Fall River, Mass., Pope & Chace. Hartford, Ct., E. H. Bowers. Houston, Texas, J. W. Copes & Co. Jamestown, N. Y., E. Bishop. Lynn, Mass., J. E. F. Marsh. Middletown, Ct., Wm. Woodward. Norwich, Ct., Safford & Parks. New Haven, Ct., E. Downes. New Bedford, Mass., S. F. Hoyt. Newburg, N. Y., S. A. White. Newark, N. J., J. L. Agens. Newark, N. J., Robert Kashaew. New Orleans, La., J. C. Morgan. Providence, R. I., H. & J. S. Rowk. Rochester, N. Y., D. M. Dewey. Springfield, Mass., Wm. B. Brockert. Salem, Mass., L. Chandler. Saco, Me., Isaac Crooker. Savannah, Geo., John Caruthers. Syracuse, N. Y., W. L. Palmer. Troy, N. Y., A. Smith. Taunton, Mass., W. P. Seaver. Utica, N. Y., W. H. Caniff. Williamsburgh, J. C. Gardner. Dover, N. H., D. L. Norris.

CITY CARRIERS.

Clark Selleck, Squire Selleck.

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.

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 teamboat 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. P. OSTROM, au5 3m\* corner 10th Avenue and 26th st.

To Manufacturers.

The Subscriber has just arrived from England, and is desirous of obtaining a situation in a cotton manufactory to superintend either spinning, doubling or warping operations. He is practically acquainted with spinning and doubling in their various branches, and with fancy and plain warping, and has not only superintended spinning operations, &c. but has manufactured himself. He has recommendations from most influential and respectable persons in England, both as it respects character and qualifications, and will be happy to fill any situation relative to the above manufacturing operations. The most satisfactory evidence will be given to manufacturers who are desirous of obtaining an agent or superintendent. Address "Atkinson," Paterson, New Jersey. au5 2t\*

TAFT'S PREMIUM LETTER COPYING PRESS.

The Subscriber continues to manufacture his Premium Letter Presses, at Worcester, Mass., and respectfully informs his friends and the trade generally, that he keeps constantly on hand a large assortment, which he offers for sale at reduced prices. Orders by mail will be promptly attended to. GEO. C. TAFT, Worcester, Mass., April 11, 1848. au5 tf

TO MACHINISTS AND BUSINESS MEN.

The advertiser wants a person to join him in experimenting and bringing out some important improvements in the Power Loom, which he believes he can make and for the capital invested would make a reasonable allowance of the right of the same. All communications must be post paid, to W. H. J. Machinist, Lawrence City, Mass. jy22 3t\*

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 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\*

U. S. School Agency.

THIS enterprise is designed to promote the interests of Literary Institutions, by furnishing Teachers, Pupils, Books, &c.

The register exhibits the names of hundreds in the profession who have high testimonials from respectable Institutions where they have officiated in various capacities as Principals, Professors, or Teachers, both in this country and in Europe. Perhaps no undertaking was ever commenced under more favorable auspices, and with better prospects of eminent usefulness. It is now known from Maine to Florida, and has induced an extensive correspondence, affording pleasing evidence that it is fast gaining the confidence and patronage of the Literary Institutions of this country. The satisfaction expressed by our numerous respectable patrons affords high encouragement, for in their opinion it must succeed and take an important place among the best enterprises of the age. We respectfully solicit the Circular of every Literary Institution in the Union for gratuitous distribution, also all communications adapted to promote the cause of education. All communications should be post paid. E. H. WILCOX, Proprietor, 124 Nassau st., N. Y. jy22 3t

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. j24uf Norwich, Conn.

To Manufacturers of Cotton.

THE Subscriber, having had some 35 years experience in the manufacture of Cotton Goods, together with building machinery of various kinds, has completed by drawings and specifications, five improvements, (for which he is taking measures to obtain letters patent,) which will reduce the cost of manufacture, in labor and tools used in the art, so that more and better goods can be produced in 10 hours, than has yet been accomplished in the longest day that any one set of hands ever labored. He feels confident of receiving the gratitude of all the lady weavers, who may have the opportunity of working his warp yarn.

He is now ready to commence the superintendence of a mill, anywhere North of Mason & Dixon's line; and would allow any company, who will try his plans, all the profits of one year in the market. WM. HOWARD, Jr. j29 2t\* 238 Eddy st. Providence, R. I.

Patent Agency.

THE undersigned having established permanent Agencies in England, Ireland, Scotland, France and Belgium (with the leading manufacturers and inventors of which countries he is personally acquainted), is enabled to transact all business entrusted to his care with perfect safety and dispatch; and such is the integrity, energy and legal ability of our agents, that the patentee is, in ninety-nine cases out of a hundred, sure to reap a rich harvest from any invention which passes through our hands. Since the first of March last we have sold three patents in Great Britain for \$17,500, and five in France for 35,000 francs.

For integrity, the undersigned refers to:—Horace Greeley, Esq. Tribune Buildings, New York. CLINTON G. GILROY, All letters must be post paid, and addressed to Clinton G. Gilroy, 71 Nassau st. New York. jy13 3m\*

Ballard's Improved Jack Screw.

PATENTED.

THE advantages of this Screw for Stone Quarries, Railroads, Steam Boiler Builders, and for other purposes are superior to any other similar machine. The improvement consists in being able to use either end of the screw, as occasion requires.

It is capable of raising the heaviest Locomotive with ease, being portable, strong and powerful, and not likely to get out of order.

Many Railroad Companies and Boiler makers have them in use, by whom they are highly recommended.

JACK SCREWS,

Of various sizes, power and price, constantly on hand at the manufactory, No. 7 Eldridge street, near Division. m20 tf

STEAM BOILER.

BENTLEY'S Patent Tubular and other Boilers of any size, shape or power, made to order, by SAMUEL C. HILLS & CO. 43 Fulton st. m8

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 43 Fulton st. m8

Lap welded Wrought Iron Tubes FOR TUBULAR BOILERS,

From 1 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 Letter 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. August, Maine, Oct. 1, 1847. J. G. JOHNSON.

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. m8 SAMUEL C. HILLS, Patent Agent.

Johnson & Robbins,

Consulting Engineers and Counsellors for Patentes.

Office on F street, opposite Patent Office, Washington, D. C. j17 tf



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

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\*

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

LAW'S

STAVE DRESSER AND JOINTER.

THE undersigned has perfected and put into very successful operation his Stave Machine.

It will Dress and Joint Staves of all shapes, kinds and dimensions, and of promiscuous widths, as they come from a mixed pile, at the rate of from 6 to 8 staves per minute, finishing them, before they leave the machine, ready for the truss hoop. They are both dressed and jointed very smoothly and handsomely, bringing each stave of equal width at the two ends without waste of stock and perfectly to correspond with very twist or crook, and with as little power in proportion to the work done, as any other machine.

For rights (which are indisputable,) or machines, address, post paid.

H. LAW, Wilmington, N. C.

N. B. A machine will be in operation in New York or vicinity, in the course of the ensuing month. jy15 2m

Stave Dressing Machine.

THE undersigned are manufacturing and have now in operation, a machine for Dressing Kived Staves, which will dress 126 hogheads or 170 barrel staves per hour, with ONE HORSE POWER, and with TWO HORSES WILL DOUBLE THE NUMBER.

It will dress crooked and winding staves to perfection, and leave the full thickness on those with thin edge, a desideratum worthy of attention.

The machine is simple, compact and durable, and has received the approval of every practical Cooper that has witnessed its operations. We warrant it to perform FULLY EQUAL to our representation and shall be pleased to exhibit it to all who may favor us with a call. For further description and terms, apply to WM & E. T. FITCH, Jr., New Haven, Conn., or GEO. GILBERT, Westville, N. H. Co., Conn. j3 3m\*

TALBOT'S PATENT REVOLVING BLIND HINGE.

Important to Builders and others.

THESE Hinges are for opening, closing, locking and completely regulating the blind upon the interior of the house without raising the sash. They are adapted to any kind of house, or style of finish. All communications, whether for the purchase of the article, or of Town, County or State rights, addressed to the subscriber, or to J. W. Ingell & Co., Taunton, Mass., will be promptly and satisfactorily attended to. L. T. TALBOT, Taunton, Mass. j3tf

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