

TO CORRESPONDENTS.

"E. A. D. of N. Y."—Carriages with a seat standard for the driver to turn square with the front wheels are now common in this City.

"N. A. of Pa."—There is no feed plan for a boiler so effectual as the force pump, our opinion is grounded on experience.

"S. T. H. of Pa."—An application has already been made for a solid metal bridge, with raised projections for the strings to pass through, to be secured in pins behind. Those engaged in the business are the best judges of your improvement, and the one we speak of. We make applications for Patents for others, never for ourselves, it would not answer for us to become interested in such things. It might lead to partiality.

"H. J. B. C. of N. C."—We shall have a most excellent index for this vol. Sci. Am.—It is true the letter must have gone to Washington, D. C. It was from Mr. Grant of Providence, R. I., with information for you.

"B. F. W. of Ga."—We have answered you by mail, also "F. S. of M. I."—G. W. of Mass."—W. G. W. of Mass."

"J. Y. S. of Pa."—We cannot give you the name of the inventor of the reaping machine which you speak of,—from the fact that we cannot tell what reaping machine it is. There are more than one two, or three different reaping machines, among which, that of McCormick seems to be a favorite, and the principal establishment of manufacture, we believe, is in Chicago, Ill., Messrs. McCormick and Gray.

"A. B. of Ill."—No patent to our knowledge has been granted for a self-regulating wind mill on the double shaft principle.

"J. S. W. of Ala."—We are not yet able to answer your letter.

"C. S. of N. Y."—Your letter is too long for our columns.

"A. B. of Va."—Your package has been sent on per Leech & Co., last Tuesday.

"S. K. J. of Mass."—The slide valve is the best you can use. It is true that there are others better on account of less friction, such as the Trevethick and the three ported, but still we incline to the slide because it is so simple.

"S. J. W. of N. C."—We cannot answer the enquiries of non-subscribers.

"R. B. of Ohio."—Your invention is not only new but useful. There are no fears of a patent. It will be profitable to you.

The article of R. Bartholomew on Light and Color is necessarily delayed till next week.

We are indebted to the Hon J. Dix for Congressional documents, and his able speech on the Bill to establish a territorial government in Oregon.

We have received a copy of the charges preferred against Mr. E. Burke, Commissioner of Patents, by T. G. Clinton, assistant Examiner. We shall notice these charges in our next number.

Steam Omnibus.

Mr. William Harris, of St. Louis, Mo., is making an omnibus to run by steam. He will find it more expensive than a horse power.—A like scheme has been already tried and found too expensive.

A Splendid Locomotive.

A large and beautiful locomotive, called the "Dorchester," made for the Old Colony Railroad, has been built at the shops of the Springfield (Mass.) Car and Engine Company, and cost nine thousand dollars. Its weight is about twenty-two tons, and is the first twelve wheel locomotive, of its style and construction, that has been made in the United States. The four driving wheels are in the centre, and are of equal size, so that the machine will run as well one way as the other. It is a grand machine, in size and construction, and reflects credit on the mechanics of Springfield.

Salt Water Baths.

Messrs. Hudson & Marquis have recently erected a salt water bathing establishment on the verge of Brooklyn Heights, opposite New York. By the aid of steam machinery salt water is raised from the river below, a distance of some 200 feet, in a quantity sufficient to supply the baths and keep a fountain near by, also in operation.

Portrait of Gen. Taylor.

The nomination of this old hero for the Presidency has induced us to issue a new edition of his portrait. The likeness which our portrait bears to life is said to be striking, while the price demanded for it is so small that every family in the Union may procure one. Price single 6 cents; six for 25 cents fifteen for 50 cents; or thirty five for \$1.

Phrenological Almanac.

Messrs. Fowler & Wells have just published a Phrenological and Physiological Almanac for 1849. It is not only useful, but instructive and pleasing.

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 space and cost. One square, of eight lines one insertion, \$0.50; two do., .75; three do., 1.00; one month, 1.25; three do., 3.75; six do., 7.50; twelve do., 15.00.

TERMS:—CASH IN ADVANCE.

GENERAL AGENTS

FOR THE SCIENTIFIC AMERICAN.

New York City, - GEO. DEXTER.
Boston, - MESSRS. HOTCHISS & CO.
Philadelphia, - STOKES & BROTHER.

LOCAL AGENTS.

Albany, - PETER COOK.
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Providence, R. I., - H. & J. S. ROWE.
Rochester, N. Y., - D. M. DEWEY.
Springfield, Mass., - WM. B. BROCKETT.
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. SEEVER.
Utica, N. Y., - W. H. CANNIFF.
Williamsburgh, - J. C. GANDER.
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, 123 Fulton st., 2d floor.

U. S. School Agency.

THIS enterprise is destined 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. 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.

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

A NEW PROSPECTUS

FOR THE

New York Weekly Sun.

July 1st, 1848.

Original Stories!! Great Improvements. Engravings every Week.

The obstacles arising from the construction of the "Lightning Presses" upon which THE WEEKLY SUN is printed having been overcome, the customary engravings will hereafter appear regularly.

THE WEEKLY SUN

is a large and interesting family paper, containing THIRTY-TWO LONG COLUMNS of interesting matter and is the most complete weekly family paper published. It is the first Dollar a Year Weekly ever started, being now more than twelve years in existence. Its success has been very great and it now enjoys a

CIRCULATION OF OVER 30,000 COPIES, all of which are mailed to subscribers on Wednesday of each week.

THE CONTENTS

of the paper are unequalled in interest and intrinsic value, comprising from

ONE TO FIVE BEAUTIFUL ENGRAVINGS every week, furnished at great expense. A correct Bank Note Table—Weekly Summary of Foreign News—Congressional Proceedings, etc. etc. and give at a glance a picture of the whole world, leaving nothing undone which can tend to interest, amuse or instruct the reader. The price of the paper is

One Dollar a Year

for single subscriptions, so that any person may receive a copy at any time by sending the direction and enclosing by mail. (Postmasters will frank the letters)

WHEN SENT IN CLUBS,

Six Copies for : : : Five Dollars.
Thirteen Copies for : : : Ten Dollars.
Over thirteen copies at the same rate.
Postmasters who remit single subscriptions will be entitled to every sixth copy gratis.

LOWER TERMS

have been decided upon in case of mailing the WHOLE PACKAGE TO ONE PERSON.

Five Copies for : : : Four Dollars.
Eleven Copies for : : : Eight Dollars.
Twenty-five for : : : Sixteen Dollars.
Seventy-five for : : : Fifty Dollars.

All Letters, Remittances, or Communications should be addressed (post paid or franked) to

M. Y. BEACH & SONS,

Sun Office, New York.

jy1 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 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 at a rate 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.

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 patentees, 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 \$17,580, and five in France for 38,000 francs.

For integrity, the undersigned refers to:—Horace Greeley, Esq. Tribune Buildings, New York.
All letters must be post paid, and addressed to Clinton G. Gilroy, 71 Nassau st. New York. jyl 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. j3tf L. T. TALBOT, Taunton, Mass.

LAW'S STAVE DRESSER AND JOINTER.

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

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. ms

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. ms

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 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. Augusta, 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. ms 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



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. m25 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

Important to the Public.

IT must not only be important, but interesting to the public to know that what establishment in New York Hats or Caps of the best quality and latest style can be purchased at the cheapest price. The place is Knox's, where may be found every variety of a Hat from a shilling Palm Leaf to a Five Dollar Beaver, or a Cap from a two shilling oil cloth to a beautiful new style cloth for \$1.50. Knox's is THE PLACE.—128 Fulton street. m20 3m

Stave Dressing Machine.

THE undersigned are manufacturing and have now in operation, a machine for Dressing 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, 3d, New Haven, Conn., or GEO. GILBERT, Westville, N. H. Co., Conn. j3 3m\*

NOTICE.

I have made application for a patent on a machine for turning irregular forms, such as lasts, spokes, &c.: this is to notify all persons who infringe on said machine or right, by making or using, or otherwise, that they will be dealt with according to law. ALLEN GOODMAN. Dana, Mass., July 3, 1848. jy8 4t\*

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

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