

TO CORRESPONDENTS.

"J. B. Esq. of Norfolk, Va."—Your package of papers were sent per Schooner Frank last Friday week.

"H. B. G. of Pa."—We could not comply with your request nor procure the article you desired in so small a quantity as you ordered, so we enclosed the money in a letter and sent it back about two weeks ago.

"B. J. of Va."—We cannot furnish you with that number of vol. 1, which you desire.

"D. B. of Mich."—You can be furnished with vol. 2 complete, but the first volume cannot be had.

"H. D. N. of Mass."—We think there is some novelty in your invention and we should like to publish a drawing of it. Please send a model to us or a perspective drawing and enclose \$5 with it, and we will get it engraved and publish it. The block engraving will afterwards be yours.

"J. J. of Me."—We shall probably be able to furnish any number of one horse power engines, boilers and all, for the low price of \$100 in the course of three or four weeks.

"M. P. of N. Y."—We are well aware that the double gauge is not new, but as regards the practicability of it, if we are to believe late accounts from England, all doubt is at an end. Mr. Wallace, we believe is an English C. E., and we think he is not, as you have observed, the original and first inventor of that system, although there may be some novelty in his plan that is unknown to us and has not been explained. This has been our opinion.

"J. B. of Mass."—You are correct in regard to the pressure of the air at the lower end of the pipe, but could it not be doubled and the other end united with the first pipe with a valve opening into it, and in this manner get the whole weight of the columns of air to assist the pump. Condensed air becomes hot, or rather gives out its heat and as it expands absorbs it.

"J. M. of N. Y."—Copal varnish is the best we know of for your purpose. Either muriatic or nitric acid will give tooth to the copper, but they must be very much diluted with water, and very great care exercised in its use.

Patent Office.

An increase has been made in the Clerks of the Patent Office and we hope to see the accumulated business disappear so that inventors will get a decision upon their applications without waiting six months.

Brady's Daguerrian Gallery.

Those who desire a likeness taken which cannot be excelled by any other artist in this city, are recommended to the establishment of Mr. Brady, 205 Broadway. We have seen some of the best executed and most perfect likenesses of his taking we ever beheld. His manner of executing them is according to the most improved plan and we should not do him justice did we not pronounce his pictures the best we ever saw. His method of retaking pictures from other daguerreotype plates so that the duplicate will be as correct and perfect as the one from which he copies, is really surprising.

An Accommodation to Subscribers.

The publishers of the Scientific American would inform those who reside in sections of the country where it is difficult to procure money in small bills, that they will receive Post Office Stamps in payment of subscriptions at par, and that they can procure those stamps at almost any Post Office in the United States.

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.

Wanted.

An experienced Mechanical Engraver who can make his own Drawings from Models. Constant employment given, and good wages allowed. Apply at this Office. f 12

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. Includes rates for one square, two do., three do., one month, three do., six do., and twelve do.

TERMS:—CASH IN ADVANCE.

GENERAL AGENTS

FOR THE SCIENTIFIC AMERICAN. New York City, Geo. Dexter. Boston, Messrs. Hotchkiss & Co. Philadelphia, Stokes & Brother.

LOCAL AGENTS.

List of local agents across various cities including Albany, Baltimore, Bermuda Islands, Cabotville, Concord, N. H., Ell River, Hartford, Houston, Jamestown, Lynn, Middletown, Norwich, New Haven, New Bedford, Newburg, Newark, Providence, Rochester, Springfield, Salem, Saco, Savannah, Troy, Taunton, Utica, Williamsburgh, and Dover.

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. V. B. Palmer is duly authorized to receive Subscriptions and a limited number of advertisements for the "Scientific American," in Philadelphia, Baltimore and Boston.

THE PATENT LAWS

OF ALL NATIONS—JUST PUBLISHED, on the 1st February, 1848.—THE LAWS AND PRACTICE of all Nations and Governments, relative to PATENTS FOR INVENTIONS.—The work embraces the entire Laws with marginal notes, forms and fees, with remarks thereon, inclusive of the attendant expenses, in England, France, Belgium, Holland, Dutch West Indies, Austria, Prussia, Russia, Saxony, Wurtemberg, Bavaria, Sardinia, Roman States, Sweden, Spain, Cuba, and the United States.

Price on good paper and bound with paper covers, \$1; on extra fine paper, in paper covers, \$1.50; bound in cloth, 1.75; in full law binding, \$2.

This work can be transmitted in paper covers through the mail.

Address MUNN & CO. New York. f 5 tf

BRADY'S

Excelsior Daguerrian Gallery, No. 205 Broadway.

Pictures taken by the above Artist warranted to give satisfaction. f 12

Woodbury's Horse Power.

THESE Machines have been extensively used the past season for driving the largest Threshing Machines and Separators in New York, Michigan and Wisconsin, and have exceeded the most sanguine expectations of all concerned in strength, durability, ease of operation, efficiency and cheapness. They received the highest premium at the Onondaga and Washington County Fairs, and the approbation of all who have seen them in use. It is, I think, perfectly obvious that no other arrangement with two pinions can ever be produced of equal simplicity and convenience by being permanently mounted and operating in any direction without unfastening from the ground and belting above the horses they are rendered so perfect that forty cords of heavy wood have been sawed twice in two in a day by four men and three horses.

Rights of territory, patterns of wood or iron for casting, and horse powers, for sale by the subscriber, or by Henry Olds, of Syracuse, N. Y., my authorized Agent.

DANIEL WOODBURY. Perkinsville, Vermont, Jan. 5, 1848. j 22 6t

Henry Waterman, 239 Cherry st. MILLWRIGHT AND ENGINEER.

Steam Engines, Mill Work, Horse Mills, Castings, and Machinery of all kinds, executed with promptness and at low rates. d 11 3m

Machinists Tools.

THE Subscriber is now manufacturing a superior article of Large Turning and Screw Cutting Lathes, Drilling Machines, &c. to which he would respectfully call the attention of Machinists and others requiring the above articles. Also, Machinery of every description, manufactured to order, at 42 Gold street, New York. G. B. HARTSON. j 1



THE CHEAPEST MAGAZINE IN THE WORLD!!!

Sixty four Pages in each Number! 768 Pages to the Volume!! FOR ONE DOLLAR PER YEAR!!!

The Publisher of Holden's Dollar Magazine would call attention to his NEW FEATURES,

- Among which are the following:— 1st. Familiar Places and Familiar Faces about Gotham. 2d. Revolutionary Sketches, by an Octogenarian, edited by an American Author. 3d. Border Bullets, or Reports from the Rifle of an old Frontier Man. 4th. Pulpit Portraits, or Sketches of eminent living American Clergymen of all denominations. 5th. Topics of the Month, containing Gossip, A Chat with readers and Correspondents, Anecdotes, Fables, &c. &c. 6th. REVIEWS WHICH ARE REVIEWS! being thorough Reviews, (not puffs,) of all new publications. 7th. Translations from the FRENCH and GERMAN by an American. 8th. Poems, Tales, Essays, Humorous and Serious Sketches, Fanciful Portraits, Traditional Legends, &c. &c.

With these Eight Distinct Features, which together form a Bill of Fare unequalled by any Magazine in the World, every feature being Original and Perfect, the Publisher is confident of the patronage of the American Public.

The great quantity of matter in his Magazine, allows him every facility for making and keeping a GOOD MAGAZINE, and he proudly points to the incontestible proofs of his success to be found in the unbought notices with which the Newspaper Press of the United States have favored him.

Holden's Dollar Magazine is issued monthly, (the volume commencing with the January number,) in Nos. of 64 pages each, printed on fine paper, manufactured expressly for the work, and of extra quality, with new and beautiful type. Terms—ONE DOLLAR per annum, payable invariably in advance: Six Copies for Five Dollars, or 25 copies for 20 dollars, when mailed to one address, Address, post paid, CHARLES W. HOLDEN,

Publisher of Holden's Dollar Magazine, 109 Nassau st., N. Y.

N. B. Country papers copying this advertisement and noticing us editorially, will be entitled to a copy for one year, without an exchange. Those doing so will send one marked copy to "Holden's Dollar Magazine" f 12



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

ASHE,

MANUFACTURER OF Spring Box, Tailor's, Surveyor's, and every other kind of Measure Tapes, No. 133 Fulton Street, N. Y. Factory at Green Point, Bushwick, L. I. d 25 2m

AMERICAN HARDWARE.

THE SUBSCRIBER having been engaged in selling American Hardware on commission for 7 years, solicits consignments from manufacturers, and will refer to those who have employed him the above number of years. SAMUEL C. HILLS, 189 Water st

Lamps, Chandeliers,

CANDELABRA, GIRANDOLES, RICH CHINA AND BOHEMIAN GLASS VASES, HALL LANTERNS, &c. Dietz, Brother & Co. Washington Stores, No. 139 William street, New York, (one door south of William st.)

ARE manufacturing and have always on hand, a full assortment of articles in their line, of the following description, which they will sell at wholesale or retail at low prices, for cash:

- Solar Lamps—Gilt, Bronze: and Silvered, in great variety. Suspending Solar Lamps, gilt and bronzed. Bracket do do do Side do do do Solar Chandeliers, do do 2, 3 4 and 6 lights. Camphene Suspending Lamps, gilt and bronzed. Bracket do do do Chandeliers do do 2, 3, 4 and 6 lights. Girandoles—Gilt, silvered and bronzed, various pats. Candelabras do do do China Vases and Bohemian Glass Vases do Hall Lanterns, a large assortment, plain and cut. do with stained and Bohemian Glass Lights. Lamp Wicks, Chimneys and Shades of all kinds. Paper Shades, a large assortment of new patterns and styles. OILS—Sperm, Whale and Lard, of the best quality. Superior Camphene and Burning Fluid. November 29, 1847. d 18 6m

Steam Boilers

BENTLEY'S Patent Tubular and other Boilers of any size, shape or power, made to order, by SAMUEL C. HILLS, 189 Water st. f 5

A LITERARY AND FAMILY PAPER THE YANKEE BLADE;

A Home Journal and Fireside Companion DEVOTED TO

Literature, Education, Morals, Fun, News, &c. Published every Saturday at \$2 per annum. This Literary and Family Journal having during the past six years, met with the most brilliant and unexpected success,—the Publishers, grateful for the many favors shown to them, have determined to make such improvements in its character, as will greatly enhance its attractiveness and value, and render it worthy of still higher applause. The paper has been dressed throughout in a style of surpassing elegance and beauty, while its size has been greatly enlarged, and various other improvements introduced, making it one of the best and most attractive newspapers in the Union.

Among other leading features, the Blade will contain from one to four of the Richest and most Interesting Stories of the Day.

Not only original, but gems of the European and American Magazines, and in all cases a preference will be shown to such as can be published entire in a single paper. In addition its columns will be stored with POPULAR ESSAYS BY ABLE WRITERS, Choice and beautiful Poems, Gleanings from New Works, Selections from Foreign Journals, Mirth-creating Sketches, Whittlings, Jokes, Scraps, News Items, and every thing else that can give zest and interest. In brief, our object will be to render it an agreeable, entertaining and ever welcome Family Visitor, brimming always with INSTRUCTION and AMUSEMENT, and especially desirable to the FAMILY CIRCLE.

THE LADIES MAGAZINE AND CASKET OF LITERATURE,

is also published at the same office. Terms: \$1.00 per annum in advance. It will contain superb engravings, Music, Flowers, &c. &c. It is one of the handsomest Dollar Magazines published.

J. A. Gilbe, 122 Ann st., and George Dexter, 32 Ann st., New York, are Wholesale Agents for the Blade and Magazine.

MATHEWS, GOULD & CO. Publishers, 1381-2 Washington st., Boston, Mass. n 20 3m

To Mill Owners.

HAVILAND & TUTTLE'S Patent Centre Vent Pressura 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. n 20 3m

DAUGERRIAN GALLERY. GURNEY'S

PREMIUM DAUGERRIAN GALLERY. No. 189 Broadway, N. Y. Pictures taken at this establishment warranted to give satisfaction. j 24

CHARLES M. KELLER,

ENGINEER AND ATTORNEY, For procuring and defending Patents. Office—No. 304 Broadway, j 1 3m NEW YORK.

GENERAL PATENT AGENCY.

REMOVED. THE SUBSCRIBER has removed his Patent Agency from 12 Platt to 189 Water 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. n 8 SAMUEL C. HILLS, Patent Agent.

THEODORE F. ENGELBRECHT,

INVENTOR OF THE IMPROVED Patent Sockdologer Fish Hook, Office—No. 79 John Street, New York. T. F. E. devotes particular attention to introducing and selling Patent Rights, or Manufactured Patent Articles throughout the United States and Europe, and flatters himself that he is eminently successful. Patentees and Inventors are invited to call. REFERENCES.—Munn & Co. Scientific American, New York; Kingsley & Pirron, Eureka, New York; W. H. Starr, Farmer & Mechanic, New York; S. Nichols, Editor Sunday Mercury, New York; Williamson & Burns, Sunday Dispatch, New York; Edmund Morris, Editor Gazette, Burlington, N. J.; J. B. & P. Kunkle, corner of Garden and Willow sts., Philadelphia; John Hancock, Editor Mirror of Patent Office, Washington, D. C. d 25 3m

ENGRAVING ON WOOD, DESIGNING AND DRAWING.

THE Subscriber would respectfully inform the public that he is prepared to furnish Engravings on Wood, in every style of the art, upon the most reasonable terms; also designs and drawings of machinery, for specifications, at the shortest notice and with the most undeviating punctuality. Views of Manufactories and Country Stores engraved on Wood from Daguerreotype plate with correctness.

All work executed by the subscriber warranted to give satisfaction. References can be given to some of the best mechanics in the country as regards ability, &c.

A. R. HAIGHT, 123 Fulton street, N. Y. Room No. 1, Sun Buildings. j 15 3m

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 d 26