

of no process to purify the coke, or the impurity in the melting. We can only recommend rapid melting and extreme heat, so that as little carbon as possible may be combined with the iron.

"J. M. H. of Ohio."—Steel bells will not answer for those of large calibre. You can get an eccentric chuck by writing to Joseph Hydes Starbuck's Foundry, Troy, New York.

"G. T. of Oswego."—Your capstan is new in combination.—There is no other of like construction so far as we are aware of, in use. It is good.

"C. L. of Rockville."—The law allows two years. Many speak well of your windlass. We have not been able to answer you by mail.

"B. B. of Me."—Much obliged to you for your interest in the Scientific. We can make a wood cut from a good drawing, equally as well as with the model, though not a perspective from a sectional.

"C. B. W. of Mass."—Gov. Briggs was not very correct in his opinion. According to his views, any person who has seen a drawing or model of another person's invention, can take out a patent for the same.

"J. C. of Mass."—Your model is received. We shall write in a few days.

"E. C. of Ill."—Your communication has just been received.

Spirit Gas.

We frequently hear of accidents from explosions of spirit gas. This is a composition of rectified alcohol and turpentine. It should never be used in families as it is very explosive.

Harrisburg Furnace Burned.

A short time ago the wood work of Gov. Porter's extensive anthracite Furnace at Harrisburg, took fire from the slag running out from the stack against the corner of the building, and in about two hours all the combustible materials of the furnace were entirely destroyed.

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.

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.

Table with 2 columns: Description of advertisement space and corresponding price. Includes rates for one square of eight lines, one month, three months, six months, and twelve months.

TERMS:—CASH IN ADVANCE

GENERAL AGENTS

- List of agents for the Scientific American in various cities including New York, Boston, Philadelphia, Albany, Baltimore, and others.

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, 127 Fulton st., 2d floor.

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.

Steam Engine and Boiler.

FOR sale cheap, a first rate steam engine and boiler of the horse power, in complete running order. Price \$200. It can be shipped to any part of the United States.

HARTSON'S PREMIUM TOOL MANUFACTORY.

WHERE he is now manufacturing his improved Turning Lathes, a very superior article, for which was awarded the First Premium at the late Fair of the American Institute.

THE undersigned respectfully announces his new mode of Propelling Steam Boats, in river, lake or ocean navigation, which he trusts, will be found worthy of the notice and consideration of shipbuilders and proprietors of steamboats.

Having taken the proper means for securing a patent for this new mode, which he has called the Wind Mill Principle, in contradistinction to that of the paddle wheel in general use at this time, he is desirous that its merits may undergo the ordeal of philosophical investigation, mechanical skill and practical experience.

To personal enquiries, or by letter, postage paid, answers will be given and transmitted to any part of the United States, by applying to

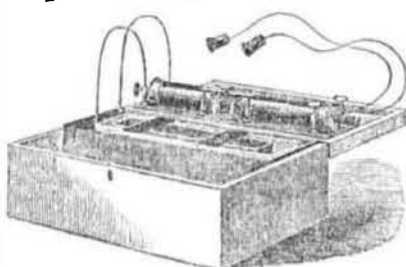
Valuable Mill Privilege.

FOR SALE.—The valuable Mill privilege situated in Roxbury, Mass., formerly known as Wait's Mills, now belonging to the heirs of Richard White, is now offered for sale, together with about 10,000 feet of land, and buildings thereon.

STEAM ENGINES.

THE Subscriber has in process of manufacture 150 Steam Engines from 5 to 20 horse power, which will be finished by the 1st of May.

Improved Magnetic Machines.



MOORHEAD'S GRADUATED MAGNETIC MACHINES.

IT is now universally admitted by the learned and scientific, that the mysterious power called Galvanism or Magnetism, is in fact the principle of vitality or life, and that Disease in many of its most painful forms is entirely owing to the absence of this Galvanic or Magnetic power in its healthy proportions.

MOORHEAD'S Graduated Magnetic Machine is an important improvement over all other forms of manufacture, and has been adopted by the Medical Profession generally, as being the most perfect, convenient and effective Magnetic machine in use.

MOORHEAD'S Magnetic Machines are used with positive and permanent success in all cases of Rheumatism, acute or chronic, seated either in the head, joints or limbs.

Each Machine is compactly arranged with the Battery and all necessary appliances, put up in neat rosewood or black walnut boxes.

Every family should possess one of these beautiful instruments. It will always be found a valuable companion, and very often the best physician in time of need.

PARTICULAR NOTICE

The wonderful efficacy and increasing success of the Magnetic Machines has induced a desire to place them within the reach of all who may need them; and the proprietor respectfully announces, that in consequence of his late improvements and increased facilities, he has been enabled to place the price for each machine, complete in every respect and warranted at

TWELVE DOLLARS.

The Graduated Magnetic Machines are manufactured and sold wholesale and retail, by D. C. MOORHEAD, 182 Broadway, New York.



Clasp Coupling Joint.

MESSRS. WEST & THOMPSON would respectfully call the attention of Engineers, Owners, or Agents of Steamboats, proprietors of Factories and others, to their new and improved method of jointing steam and other pipes together.

This is to certify that I have examined what is called West & Thompson's Clasp Coupling Joint, for pipes to conduct steam and other fluids, and consider it to be a new and most invaluable improvement.

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.

WE will pay 10 cents each for 100 copies, No. 16, Vol. 2, Scientific American, delivered at this office, free of expense and in good order.

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 doorsouth 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:

- List of products including 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; do Bracket do do; do Chandeliers do do 2, 3, 4 and 6 lights; Girandoles—Gilt, silvered and bronzed, various patterns; Candelabras do do do; China Vases and Bohemian Glass Vases do 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.

Gutta Percha Bands.

THE undersigned have been appointed Agents by the American Gutta Percha Company, and are now in readiness to furnish Bands and Belting of any size or length, at the following

SCALE OF PRICES PER FOOT.

Table with 3 columns: Inches, Cents, and Inches, Cents. Lists prices for various sizes of bands.

All Bands of extra thickness will be made by special agreement. Light Bands for Cotton Mills furnished at short notice.

Address MUNN & CO. New York. m18

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, 23 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 oneighen 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.



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

GENERAL PATENT AGENCY.

THE SUBSCRIBER has removed his Patent Agency from 32 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.

SAMUEL C. HILLS, Patent Agent.

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.

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+

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. f8

Premium Slide Lathes.

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

"Lamp Depot."

Nos. 134 and 136 Fulton st., Sun Building.

J. O. FAY has just received from the manufactory of J. G. Moffett, a full and most splendid assortment of Solar Lamps for Parlors, warded perfect; unequalled in style and beauty of finish—new patterns, the handsomest ever offered for sale, and the cheapest Lamp Store in New York m26 3m+