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 B little carbon as possible may be combined P with the iron. It is the excess of carbon that makes iron hard, the less carbon it has B the softer it will be.

"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. We do not know their price. The price of Perkin's lathe you will find out by letter to Perkins, Hudson, as we cannot say whether it is five or six hundred dollars.

"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. Get up your model as soon as possible and make the drawing as directed, we will do the business, at a very reasonable price but cannot tell how much till we have some more information of the work to be done. Some specifications are easy and others difficult. 30 dollars is the patent office fee. It would be six months at least before your application would be examined in due order. We do not think such a cutting wheel is in use or has been used.

" 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. Camphene is not explosive and should always be used in preference to what is called composition.

### 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, and the engine, pumps, blowing cylinders, and other fixtures much injured.

# 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.

MF THIS paper circulates in every State in the 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.

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CLARK SELLECK, SQUIRE SELLECK.

Persons residing in the city or Brooklyn, can have the paper left at their residences regularly, by send ing their address to the office, 198 Fulton st., 2d floor.

### Machinery.

The actinities y. 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 Pub-lishers of this paper. From an extensive needuani-tance among the principal machinists and a long ac-perience in mechanical matters they in uncom-mon facilities for the selection of the bost machinery and will faithfully attend to any business entrusted to their care. MUNN & CO. alb

# Steam Engine and Boiler.

FOR sale cheap, a first rate steam engine and boiler of three horse power, in complete running order. Price \$200. It can be shipped to any part of the United States. Also, for sale, a small engine and boiler of about one horse power. Price \$90 complete. Apply at the Scientific American Office. 128 Fulton st, New York. MUNN & CO.

HARTSON'S PREMIUM TOOL MANU-FACTORY. No. 42 Gold Street, New York.

**No. 42 Gold Street, New York.** W HERE 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. Also Plasing Ma-chnes for Iron capable of planing from 4 to 20 feet. These Planers are of the most improved construc-tion being made very strong, geared powerful and are so arranged that the bed or table travels five times faster running back than when the tool re-ceives the cut. Improved Derilling Machines which need only to be seen to be appreciated. Together with Hand Lathes, slide rests, nut, bolt and gear cut-ting machines, of new and improved patterns made to order. All tools made by the subscriber are war-ranted to be as good if not superior to any made in this orany other country, as no pains or expense is spared to make them perfect in finish, style and workmanklip. G. B. HARTSON. al5 4t

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 shipbuil-ders and proprietors of steamboats, as being another step in advance, in the glorious career of steam na-vigation. ation

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vigation. Having taken the proper means for securing a pa-tent for this new mode, which he has called the Wind Mill Principle, in contradistinction to that of the paddle wheelin general use at this time, he is desi-rousthat itsmerits may undergo the ordeal of philo-sophical investigation, mechanical skill and practi-cal experience : confident, that in it will be found the following, amongst other advantages, namely, sim-plicity and cheapness of construction, economy of nower, in the vanes entering the water at an angle power, in the vanes entering the water at an angle less than 90 degrees with the line of motion; and also, less than 50 degrees with the ime of motion; and also, in acquiring a greater velocity to the vanees than can be attained by any other means with the same amount of power. To personal enquiries, or by letter, postage paid, answers will be given and transmitted to any part of the United States, by applying to ABR'M. TAYLOR, No. 193 Second street, as 3t New York.

aS 3t New York.

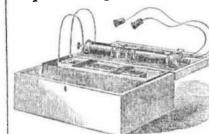
# Valuable Mill Privilege.

VALUADIE WIIII 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 ior sale, together with about 10,000 feet of land, and buildings thereon, including a Grist Mill containing two run of stones, turning shop, dwelling house and barn. The above establishment is now doing a good business, it being a long estab-lished stand, and is well adapted for manufacturing purposes. Apply to RICHARD WHITE, on the pre-mises or to JOHN HEATH, Linden Flace, Brookline. Roxbury, Mass., March, 24, 1848. as 3t

# STEAM ENGINES.

STELAM ENGLINES.The Subscriber has in process of manufacture 170<br/>Steam Engines from 5 to 20 horseImage: Steam Engi

# Improved Magnetic Machines.

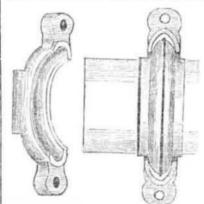


### MOORHEAD'S GRADUATED MAGNET-IC MACHINES.

BOORHEAD'S GRADUATED MAGNET-IC MACHINES.
T is now universally admitted by the learned darbanism or Magnetism, is in factthe expressions of the simulation or Magnetism, is in factthe expressions of this Galvanic or Magnetic power in its healthy proportions. If then we can readily supply this won-drous power, when it is thus deficient, we can suc-cessfully combat disease ; and this has been fully and perfectly attained by the present beautiful and scientific instrument.
Moorhead's Graduated Magnetic Magnetic Ma-fine is an important improvement over all other forms of manufacture, and has been adopted by the Medical Profession generally, as being the most per-fect, convenient and effective Magnetic machine in use. It is exceedingly simple in construction, and therefore not liable to get out of order, as is the case with all other instruments. It admits of the most perfect control, and can be CRADUATED to any pow-er, adapted to the most tender infant, or sufficient for the strongest adult, at the option of the opera-tor. The Magnetic influence is imparted in a conti-mous manner, and with no unpleasant sensation to the most delicate patent. It requires no assistant in its use, and is in every respect entirely harmless.
Morhead's Magnetic Machinesare used with re-strive AND PERMANENT SUCCESS in all cases of Rheu-matsm, acute or chronic, seated either in the head, joints or limbs ; Gout, Tic Doloreux, Nervous and Stek Headache, Paralysis, Palsy, Fits, Epilepsy, Dys-palants, Stiftness of the Joints, Lumbago, Neuralgia, Nervous and hysical Energy, and ALL Nervous Dis-cases. As a preventive for Apoplexy, the machine is confidently recommended, and in the most coo-fined cases of Scrofula, Propsy, Erisypelas, Dear-nes, Curvature of the Spine, and all similar com-plaints, its effects are equally successful.
Each Machine is commended, and in the most coo-fined cases of Scrofula, Propsy, Erisypelas, Dear-nes, Gurvature of the Spine, and all similar com-plaints, its effects are

of need. (T)-PARTICULAR NOTICE -(1) 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 in-creased facilities, he has been enabled to place the price for each machine, complete in every respect and WARBARTE AT TWELVE DOLLARS.

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# Clasp Coupling Joint.

Clasp Coupling Joint. M ESSRS. WEST & THOMPSON would respect-fully call the attention of Engineers, Owners, or Agents of Staemboats, proprietors of Factories and others, to their new and improved method of jointing steam and other pipes together, by which means any person is enabled to connect them. For simplicity and perfection they are not equalled, and the price of their Clasp Joints will be found cheaper than the others, as they do not require any flanges, braized or soldered on the pipe, no holes to drill, or grummets to make, nor white or red lead used to make them tight; and their weight is not one half that of the old Flange Joint. They may be seen and obtained at the office of the Fatentec, 29 Centre street, near the City Hall, whore all orders left will be punctu-ally attended to. This is to certify that I have examined what is cal-led 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.

Lamps, Chandeliers, CANDELABRA, GIRANDOLES, RICH CHINA AND BOHEMIAN GLASS VASES, HALL LANTERNS, &C.

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do do 2, 3, 4 and 6 lights Girandoles—Gilt, silvered and bronzed, various pats.

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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. d16 fm

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 $\mathbf{T}$  HE 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

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3 :	20	6 1.2	49	10 1-2 85
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4	29	8 :	63	12 : 100
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All Bands of extra thickness will be made by spe-cial agreement. Light Bands for Cotton Mills fur-nished at short notice. Address MUNN & CO. New York. m18

Lap welded Wrought Iron Tubes FOR TUBULAN BOILERS,

From 1 1-4 to 6 inches diameter, and any length, not exceeding 17 feet.

THESE Tubes are of the same quality and manu facture as those extensively used in England, Scotland, France and Germany, for Locomotive, Ma-rine and other Steam Engine Boilers. THOMAS PROSSER, Patentee, 28 Platt street, New York

### Johnson's Improved Shingle Machine.

**LVIACCHINE.** THE Subscriber having received Latter Patent for an improvement in the Shingle Machine, is now ready to furnish them at short notic e, and he would request all those who want a goo 1 machine for sawing shingles, to call on him and examine the improvements he has made, as one given time than by any other machine now in use. Augusta, Maine, Cct. 1, 1847. J. G. JOHNSON.

WOODENGRAVE ENEVILL REAL ONLYNNIG

ig-The above is prepared to execute all ordersat the shortest notice and on the most reasonable terms.

GENERAL PATENT AGENCY. REMOVED. THE SUBSCRIBER has removed his Patent Agen cy from J2 Platt to 139 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 un tit the inventor realize something from his invention. Letters Patent will be secured upon inderate terms. Applications can be made to the undersign ell personally or by letter postpaid. fs SAMUEL C. HILLS, Patent Agent.

### To Mill Owners.

HAVILAND & TUTTLE'S Patent Centre Vent Pressure Water Wheel.-These wheels are now H Tressure Water Wheel.—These wheels are now in successful operation in many towns in Mane, Massachusetts, and Rhode Island, and are found to surpass in power and facility of adaptation any wa-ter 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 infor-mation cencerning them had. Patent Rights for different States, Counties, &c. for sale. as above. Mass.—whe

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Nos. 134 and 136 Fulton st., Sun Ballding. J. O. FAY has just received from the manufactory of J. G. Meffett, a full aud most splendid assort-ment of Solar Lamps for Parlors, warianted periect; unequalled in style and beauty of finish-new pat-terns. the handsomest ever offered for sale, and the cheapest Lamp Store in New York m25 2m<sup>\*</sup>