

TO CORRESPONDENTS.

"C. R. of Vt."—Lead is the most durable for coffins to be placed in vaults. But pine may be kyanized and made to last as long as you desire. This is done by putting the pine boards into an air tight chamber and extracting all the air by means of an air pump, and to let in by a pipe from the top of the chamber a solution of corrosive sublimate so as to saturate the wood thoroughly. It is then taken out and dried. Another and more simple plan, where air tight chambers and air pumps are not conveniently to be had, is to take a box or tub and make an aperture in the side just sufficient to admit one end of the board which must be inclined at an angle so as to facilitate the process. Then pour into the box or tub the liquid until it covers the end of the board some inches, and in a short time it will penetrate to the other end of the board and the kyanizing be complete. Wood thus prepared has been buried for a number of years and found to be uninjured. Pyroligneous acid or sulphate of copper may be used instead of corrosive sublimate.

"S. V. V. of N. J."—We would advise you to try the experiment first, before you apply for a patent and we are certain that you will save yourself some money, as its utility is more than doubtful in our eyes.

"J. W. of Mass."—You will find in Tredgold and Hedgekisson's experiments all that you desire relative to the strength of iron pillars. The problems you must work according to the data found there. This labor you must perform for your own benefit.

"J. A. H. E. of Vermont."—The expense of an engraving would be six dollars, and the cut yours to be used in printing bills, &c. Your invention is good, excellent, and the engraving would immediately bring it into notice. The best advertisement in the world.

"E. A. B. of Mass."—Your trowel would undoubtedly be a benefit to yourself and others if manufactured. Small inventions, such as improved tools are the best of all paying inventions, from the fact of so many of them being used. "Ichabod" is wrote upon the Scientific Mechanic.

"R. H. of Chesterfield Mass."—We have answered you by mail.

"J. M. of R. I."—We will answer in full by mail.

"J. W. O. B. of Maine."—The right of an inventor to sell his invention two years before a patent is secured, does not invalidate the patent. This is clear. But in the sale of any invention it must be with the full and unequivocal understanding that measures have been taken to secure a patent. There must be no doubt upon the subject of the invention reserved. Judge Nelson's decision is not technically in its parts before us, but surely it must have been based upon some minor point of the transaction of sale. We will answer you soon by mail.

"L. K. J. of N. Y."—See Pambour on Locomotives.

"W. M. of Pa."—It is a good overshot wheel that gives 70 per cent. The vertical or reaction and percussion wheel will answer your purpose well.

"B. C. T. of Ohio."—Get an engraving in the Scientific American, it will only cost \$7 for your machine and certainly it will be of ten times that benefit to you. The world knows nothing of your invention at the present moment.

"J. McC of Va."—Argillo, or Agate knobs for door handles are made in Albany N. Y. They are as beautiful as the native stone, they are mostly made of a blue clay found near the manufactory.

"S. F. K. of Geo."—Use the acetate of lead (sugar) for the first preparation of the cotton yarn, wring them out of this, and then put it through a solution of the chrome. This will make a good yellow at the rate of nine ounces of lead to three ounces of chrome. Finish in the lead and wash. If you don't do this, the goods will be brown spotted.

"T. S. I. of Ohio."—Brunell is the famous French Engineer who built the Thames Tunnel. His experiments were read before the Royal Society in 1844. A patent was granted in January last to the Rev. Mr. Wilson of Greenock, Scotland, for improvements in engines

to be propelled by explosive gases. It will be of no benefit to him. Nitrogen is the principal gas developed in the explosion of gunpowder. The name is derived from nitre.—You will find it difficult to manage, we assure you. In reference to your drawing and description, you had better go where you can get suited so charitably.

"H. K. of Conn."—We can furnish you with a copy of Gilroy's work on Manufactures for \$3.50.

"J. K. of St. Louis, Mo."—We regret being unable to furnish you with a copy of vol. 1. We have sent you vol. 2, and all the numbers of the present vol. that are yet published, and credited you with \$2 for vol. 4.

"I. A. of Pa."—Your drawing has come to hand and an engraving of your invention will appear in the Scientific American of May 27.

Will our brother of the Chickopee Telegraph be more careful about names and not confound the "American" with the Mechanic. The Scientific American "never surrenders."

Cotton Duck.

Great improvements have lately been made in the manufacture of this article, for a supply of which until very recently, we were dependant upon Russia. But our course is upward and onward. There are now in the vicinity of Baltimore, three factories, which used last year in the manufacture of this article \$246,659 worth of raw cotton, and paid \$90,102 in wages, and manufactured 2,000,000 yards of Duck.

We would call the attention of our readers to an advertisement in another column, of one of the most extensive and splendid sales of Mahogany Veneers, Boards and Planks, ever offered in this city.

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:

One square, of eight lines one insertion,	\$ 0 50
" " " " two do.,	76
" " " " 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

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, M. ss.,	Pope & Chack.
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 Kashaw.
New Orleans, La.,	J. C. Morgan.
Providence, R. I.,	H. & J. S. Rowe.
Rochester, N. Y.,	D. M. Dewey.
Springfield, Mass.,	Wm. B. Brockert.
Salem, Mass.,	L. Chandler.
Saco, Me.,	Isaac Crocker.
Savannah, Geo.,	John Caruthers.
Syracuse, N. Y.,	W. L. Palmer.
Troy, N. Y.,	A. Smith.
Taunton, Mass.,	W. F. Seay.
Utica, N. Y.,	Canniff & Co.
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, 128 Fulton st., 2d floor.

At Auction.

BY D. C. & W. FELL & CO.

349,991 FEET MAHOGANY VENEERS, BOARDS AND PLANK.  
On Wednesday, May 17th, at 10 o'clock, A. M. at the Mahogany Yard, 78 and 80 Walker street, N. Y.  
149,220 feet Crotch Veneers, part of unusual size and fine figure; 33,325 feet do shaded do, part very fine.  
40,180 feet Rosewood Veneers, do  
8,701 feet Satinwood do  
4,204 feet Zebra wood do  
19,190 feet Black Walnut do  
24,329 feet White Holly do very fine.  
4,136 feet Oak do  
55,706 feet Mahogany Boards and Planks.  
8,000 feet Holly Boards of different thicknesses.  
This parcel of wood is believed to comprise some of the most rare and splendid woods, for figure, size and quality, in this market, and the largest part has been well seasoned under cover. Catalogue five days previous to sale. m13 1t\*

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.  
SAMUEL C. HILLS, Patent Agent.

Steam Boiler.

BENTLEY'S Patent Tubular and other Boilers of any size, shape or power, made to order, by SAMUEL C. HILLS, 43 Fulton st. m6

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. a22 3m

BOOKS! BOOKS!!

We would inform those who are desirous of procuring the following works, that they may had at the Publishers' prices, by addressing at this office.  
Scribner's Mechanic, tuck & gilt \$1.50  
" plain, bound in leather, \$1.00  
Fitch's Lectures on the Lungs 50 cents  
Chemistry—its various new and novel applications 20 cents.  
Fascination, or the Philosophy of Charming 40 cents  
Patent Laws of all Countries, \$1.00  
The above works may all be sent by mail to any part of the United States. Address, post paid, MUNN & CO., Publishers, 128 Fulton street, N. Y. m18

Caution to Manufacturers.

ALL Persons or Companies using E. Richmond's Patent Coiler, without authority, are requested to make immediate application to him at Taunton, Mass., for the Right, as any attempt to use or build the same, contrary to law, will be promptly dealt with accordingly.  
a22 2m\* E. RICHMOND, Patentee.

A. W. Whitney,

Manufacturer of Machines for Working TIN AND SHEET IRON, On a new and improved Plan. Also, makes to order Engine and other Lathes of improved construction. All order by mail, or otherwise, will meet with prompt attention by addressing A. W. WHITNEY, Woodstock, Vt., April 17, 1848. a22 3m\*

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

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

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 new engine and boiler of about one horse power. Price \$50 complete.  
Apply at the Scientific American Office, 128 Fulton st., New York. MUNN & CO.

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. m6

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:  
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 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. d15 6m

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.

Inches.	Cents.	Inches.	Cents.	Inches.	Cnts.
2	: 14	5	: 38	9	: 71
2 1-2	17	5 1-2	40	9 1-2	73
2 3-4	19	6	: 45	10	80
3	: 20	6 1-2	49	10 1-2	85
3 1-2	26	7	: 57	11	: 90
3 3-4	28	7 1-2	58	11 1-2	95
4	: 29	8	: 63	12	: 100
4 1-2	35	8 1-2	67		

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

Useful Publications.

THE undersigned have made such arrangements with the Publishers of Ranlett's Architect and Ewbank's Hydraulics, that they are enabled to furnish them in any quantity at the Publisher's prices.—Ranlett's Architect is acknowledged by all to be the best work of the kind ever published in numbers, and is afforded at the low price of 50 cents per copy. Ewbank's Hydraulics is an invaluable work on the philosophy of Water and its uses as a motive power, and should be in the possession of every Millwright, Plumber or Manufacturer. Price 25 cents a copy, 5 numbers already issued, and 3 more yet to be published. Address MUNN & CO., m11 tf Publishers Scientific American.

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.  
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.

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\*

"Lamp Depot."

Nos. 134 and 136 Fulton st., Sun Building.  
J. O. FAY has just received from the manufactory of J. G. Moffet, a full and most splendid assortment of Solar Lamps for Parlors, warranted 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\*

Tinner's Machines.

A. W. WHITNEY'S Patent Improved Tinner's Machines of every description, constantly on hand and for sale by JOHN M. BRUCE & SONS, a22 3m\* 192 Water st., N. Y.

Premium for Back Numbers.

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. m26 MUNN & CO