

## TO CORRESPONDENTS.

"D. E. of Mass."—We cannot see any advantage to be gained by the two wheels, but a loss by the friction of the chain. The power is all in the water, and it can all be applied to one breast wheel as well as to two by your plan. Give the subject a little more consideration and we have no doubt but you will agree with our opinion. Your manure spreader is a good apparatus and a very useful one and you should take measures to get a patent.

"E. G. of N. Y."—Your leather splitting machine is good and we do not think there is anything in the way of your getting a patent but it is scarcely possible to get any person to engage in purchase before a patent is secured. The reason of this is, that a number of people have recently sold inventions that were not new, and which have been all lost to them.

"S. M. of Ohio."—As we predicted to you, it would have been better to have paid a decent price to those who could explain and thoroughly illustrate the subject, instead of igniting the powder by throwing cold water upon it.

"J. V. R. of N. Y."—Inertia means the passive nature of water.

"G. G. of Mass."—Your papers were sent to you last week.

"A. M. P. of Pa."—Get a steam engine by all means, you will find it the most economical in your part of the world.

"E. B. of Connecticut."—We are much obliged to you for the pamphlet on the pendulum engine, and shall give it due attention. Is it at present in full and economical operation?

"J. L. of Michigan."—Get an engraving published in the "Scientific American." It will cost only \$6, and the block yours which will answer afterwards for hand-bills &c.

"S. W. McCa. of Va."—We can furnish a cut of your Lathe for \$7.

"M. J. of Geo."—No oscillating engines are used here. There is some little prejudice against them.

"J. H. G. of N. C."—Of what use would it be to employ two wheels, when the same object can be obtained by one. The less friction the better, all clear gain of power.

"W. M. Davis of Maine."—Your communication is unavoidably delayed until next week.

"J. C. of Mass."—The papers of your dredging apparatus will be forwarded in a few days. They have required much writing.

"M. C. of Ala."—You shall hear from us again. Your Table is excellent.

"R. McQ. of Texas."—You will find something to suit you on the last page.

"R. S. I. of S. C."—We are not able to give the exact proportion of ingredients at present, but may soon.

"Inventor's" article is inadmissible. Nothing personal or abusive can find a place in our columns.

## The Western Journal.

We have received No. 5 of this valuable magazine, published at St. Louis, by Travers and Risk. It contains an excellent article on the Geology of the Mississippi valley, and another on steam navigation to China.

## Holden's Magazine.

We have received the June No. of the above Magazine. Its contents are as usual excellent. The second volume commences with the July number, and is to be illustrated with splendid engravings.

## Universal History.

No. 3 of this valuable work is just published by Graham, Tribune buildings, price 25 cents. This number treats of Egyptian works of art and on that account is very valuable, as the remains of Egypt's ancient greatness will be a subject of interest to all while man exists on the face of the earth.

## Every Man his own Cobbler.

Scores of our neighbors are now clamping along the streets in shoes of their own soleing. Mr. Armstrong, William street, this City, has established an agency where soles are purchased by the public, and also a composition for attaching them to shoes and boots. A pair of either with foundations like a sieve, may be rendered by the new process warm and water-tight in five minutes.

## 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.,	75
" " " " three do.,	1 00
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" " " " three do.,	3 75
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TERMS:—CASH IN ADVANCE.

## GENERAL AGENTS

FOR THE SCIENTIFIC AMERICAN.

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

## LOCAL AGENTS.

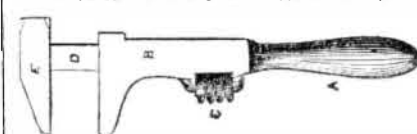
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## CITY CARRIERS.

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.

## IMPROVED COACH WRENCH.



THE above is an engraving of an Improved Wrench, invented by George C. Taft, and manufactured by Newcomb, Dixie & Co., Worcester, Massachusetts.

A, is the handle; B, the stock; C, the screw; D, the slide, and E, the head. The advantages of this Wrench are apparent. In the inside of the stock there is a rack which is worked by the screw C, and this rack is covered up free from dirt, and cannot be injured by a fall or other heavy substance on its working parts. (This quality no other Wrench possesses yet patented.) This screw can be worked with the thumb and all used with one hand. The ease with which this can be done must make this Wrench invaluable to every mechanic, as the fixed jaw is in the handle and the larger the nut to be screwed up or down the greater the lever power.

The above Wrench will be ready for the trade on the 30th of June next. Orders addressed to the subscribers will meet immediate attention.

NEWCOMB, DIXIE & CO  
Worcester, Mass., May 1836 m27 tf

## Important to the Public.

IT must not only be important, but interesting to the public to know at 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

## Fire and Burglar's Alarm.

THIS important and humane invention to which we often recur, is getting to be truly appreciated. Any one desiring to embark in a safe and profitable business which requires but little capital is requested to communicate to this office where rights may be obtained for any Territory which is not already occupied. The inventor will instruct purchasers of rights how to adjust the machines properly, without extra charge.

Address at this Office (post paid.) m20 tf MUNN & CO.

## 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

## Thredgold's Carpentry.

ONE copy of this valuable work may be had upon application at this Office. It is entirely new and published in 1847. Price \$3. m20 3t

## SPRING STYLE HATS.

I AM now prepared to offer my old and new customers—for Gentleman and Youth—for Spring and Summer, at wholesale and retail, a very extensive assortment of Hats and Caps—at prices which cannot fail to suit the most economical and prudent purchaser. Store and Chambers—173 Washington street, Boston. W. M. SHUTE. m20 7t

## 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.

m8 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 & CO. 43 Fulton st. m8

## 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 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

## 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. a5

## 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 \$90 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. m8

## Lamps, Chandeliers,

CANDELABRA, GIRANDOLES, RICH CHINA AND BOHEMIAN GLASS VASES, HALL LANTERNS, &c.

## DIETZ, BROTHER &amp; 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.  
Suspended Solar Lamps, gilt and bronzed.  
Bracket do do do  
Side do do do  
Solar Chandeliers, do do 2, 3 4 and 6 lights.  
Camphene Suspended 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. d18 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.	Cents.
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 Publishers' 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, 6 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. 131 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, 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 m25 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. f26 MUNN & CO