

TO CORRESPONDENTS.

"A. H. of Maine."—We will proceed as you have requested, and will soon send on the papers, &c.

"J. T. P. of Mass."—Much obliged to you for the information. Publish next week.

"N. W. A. of Ala."—You will hear from us soon.

"S. P. I. of N. Y."—Maudsley of London was the first to employ the crank to steam-boat propulsion in England. Cog wheels were applied to the paddles previous. Those who talk of rotary motion in steam engines may look at this during their leisure.

"J. C. of Boston."—All have been sent on

"J. W. B. of Ohio."—Write to the Machine Shop, Lowell, Mass., and you will get all the necessary information about the shearing machines.

"T. C. M. of Mass."—We shall be very happy to hear from you again about your machine for sawing ship timber. It must be a good invention. Write when you have things prepared.

"A. A. of Mass."—We have published your claim this week. It must be a very valuable invention.

"S. I. B. of Va."—There is no patent on the *air vent foreboy*, that we are aware of.

"B. Y. of Ga."—You will have to send another dollar before we can send the first half year of this volume.

"R. S. I. of S. C."—We have not got the proportions yet.

"Subscriber," wants to know how much water a cylinder of any given dimensions will contain. We are not in the habit of answering anonymous communications, but the following is the way to find out. How many cubic feet is there in a cistern 5 feet wide, 10 feet long and 4 feet deep?

5X10X4=200 cubic feet.
200X1728=345600 cubic inches.

345600
252 = 1221.57 wine gallons of water.

There are 1728 cubic inches in a cubic foot and 252 cubic inches in a wine gallon.

"J. T. of Pa."—Your improvement in the slide valves is not new. We have drawings of the same made three years ago.

"J. L. of Md."—Why do you not apply your power at once to the machinery you are to drive. What is the use of throwing water up hill to run down again?

"A. R. of Va."—The best thing you can do is to publish an engraving of your machine in the Scientific American. This is the way to bring it before the world.

"R. McN. of S. C."—Your request shall be complied with. Yours will undoubtedly be a great manufacturing State yet.

"S. B. of Ohio."—Never mind what people say about you, or your experiments—experiments lead always to some good results.

In consequence of our very extensive correspondence we would consider it a favor if those addressing us would be as brief in their communications as possible, and write in a plain comprehensive style.

Patent Office Report.

We are indebted to Mr. Burke, Commissioner of Patents, for a bound copy of the Patent Office Report for 1847. We will refer to the Reports of Examiners Fitzgerald and Page, giving extracts therefrom, at some other time. These reports are exceedingly interesting, both as relates to Chemistry in Mr. Page's, and Machines in Mr. Fitzgerald's. There are 574 pages taken up with statistics and useful information relating to the agricultural interests of our country. The Reports of the Patent Office this year are very voluminous.—We shall notice this one more at length next week.

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
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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 sending their address to the office, 128 Fulton st., 2d floor.



GILROY'S

American and Foreign Patent Agency; and for the sale of Patents, Manufacturer's Articles, &c. 71 Nassau st. corner of John st. New York.

Inventors who intend to apply for Patents in Europe may save themselves much disappointment and outlay by calling at this Agency. The undersigned respectfully invites all who may have achieved any discovery in science and arts—all who may have invented or improved any useful machine or manufacture, to communicate with this Agency.

The undersigned pledges himself most sacredly never, under any circumstance or pretence whatever, to divulge the secrets or business of any inventor to another inventor; nor will he ever show the drawings or specifications of one party to another party, or give any explanations without permission. His offices, or rooms, are especially adapted to this purpose, being so arranged that each section of the business is managed in a separate apartment, and so that no applicant can possibly get a glance of the drawings or specifications of others. Inventors, from sad experience, know the importance of such an arrangement.

Mechanical drawings of every description executed with despatch, and every information and assistance rendered to Manufacturers, Inventors, Power Loom Makers, &c. Our terms will be according to the nature and extent of the services performed.

For integrity and capability the undersigned refers to:—Horace Greeley, Esq. Tribune Buildings, New York. Wilbur & Scott, (formerly Masters, Markoe & Co.) 15 Stone st. N. Y. Harper & Brothers, 92 Cliff st. N. Y. A. & E. S. Higgins & Co. 61 Broad st. N. Y. John S. Worth, Merchant, 179 Greene st. N. Y. Alderman Wm. Gale, 119 Fulton st. N. Y. W. H. Starr, Esq. Editor Farmer and Mechanic, 69 Beekman st. N. Y. Wm. Sloane, Merchant, 245 Broadway N. Y. Col John Travers, President Phoenix Manufacturing Co. Paterson, N. J. Thomas Rogers, Esq. (Rogers, Ketchum & Grosvenor.) Paterson, N. J.—Benjamin Marshall, Esq. Troy, N. Y. Benjamin F. Wolcott, Esq. New York Mills.

CLINTON G. GILROY, Author of the "Art of Weaving," "Practical Treatise on Dyeing and Calico Printing," "Pastoral Life and Manufactures of the Ancients," "Wonders of Nature and Art," &c.

All letters must be post paid, and addressed to Clinton G. Gilroy, 71 Nassau st. New York. j17 3w

Johnson & Robbins,

Consulting Engineers and Counsellors for Patentees. Office on F street, opposite Patent Office, Washington, D. C. j17 1f

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

Premium for Back Numbers.

WE will pay 10 cents each for 100 copies, Nos. 1 and 16, Vol. 2, Scientific American, delivered at this office, free of expense and in good order. f26 MUNN & CO

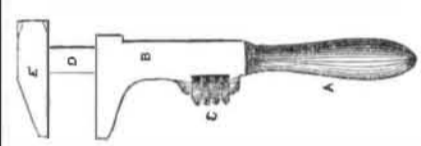
FOR SALE CHEAP!

A NEW and convenient House and Shop with water privilege, situated in the centre of one of the pleasantest villages in Massachusetts. The house is of modern style, built in 1844, is 2 stories high in front, with a rear building attached, which is used for a kitchen. The shop is spacious and located but a few rods from the house on a stream of water, with a good breast wheel of suitable dimensions for doing a large business. The above Property is located in the beautiful village of Monson, 17 miles east of Springfield, and but 3 1-2 miles from Palmer Depot and the Western Railroad. It is a desirable property for a mechanic of any kind, and will be sold for less than its true value. The Williamianic and New London Railroad will pass within half a mile of said place when completed, and a Depot will there be established. Monson contains several large Manufacturing establishments and a flourishing Academy, and when the new Railroad is completed it is presumed that this property, which is now offered for \$1300, will bring at least \$2500. Address (post paid,) ALBERT NORCROSS, Monson, Mass., June 1, 1848. j3 1f

Stave Dressing Machine.

THE undersigned are manufacturing and have now in operation, a machine for Dressing Rived Staves, which will dress 126 hoghead or 170 barrel staves per hour, with one horse power, and with two horses will double the number. It will dress crooked and winding staves to perfection, and leave the full thickness on those with thin edge, a desideratum worthy of attention. The machine is simple, compact and durable, and has received the approval of every practical Cooper that has witnessed its operations. We warrant it to perform FULLY EQUAL to our representation and shall be pleased to exhibit it to all who may favor us with a call. For further description and terms, apply to WM & E. T. FITCH, 2d, New Haven, Conn., or GEO. GILBERT, Westville, N. H. Co., Conn. j3 3m*

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 20th of June next. Orders addressed to the subscribers will meet immediate attention.

NEWCOMB, DIXIE & CO Worcester, Mass., May 1838. m27 1m*

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 1f

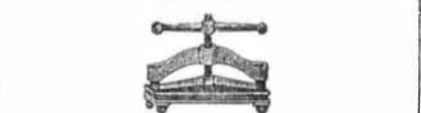
Thredgold's Carpentry.

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*

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

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.

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

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.
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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

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 Letters 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 eight 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.

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*



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*

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

"Lamp Dept."

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, 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.

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—138 Fulton street. m20 3m

TALBOT'S PATENT REVOLVING BLIND HINGE.

Important to Builders and others. THESE Hinges are for opening, closing, locking and completely regulating the blind upon the interior of the house without raising the sash. They are adapted to any kind of house, or style of finish. All communications, whether for the purchase of the article, or of Town, County or State rights, addressed to the subscriber, or to J. W. Ingell & Co., Taunton, Mass., will be promptly and satisfactorily attended to. j8 1f L. T. TALBOT, Taunton, Mass.