

TO CORRESPONDENTS.

"T. B. of N. Y."—Boilers of the description you mention will cost you \$100 for 1 horse power, \$150 for 2 ditto, \$200 for 3 ditto. If your improvement operates well we presume we could make an exchange. A 7 foot engine lathe will cost you \$250. A 4 foot about the same. \$1 all right.

"H. H. T. of Mass."—We can send you a new Picket Machine for \$40.

"A. B. M. of Miss."—We can send you the machinery you mention for the following prices:—

- 6 horse engine and boiler, pipes, &c \$450
Geered Lathe such as you describe 450
Drill 50
Spoke Machine 125

The facings mentioned in our paper are used in foundries for the purpose of having the castings come up smooth, clean and black, instead of rough and gritty as when common sand is used. All of those named are good, though we prefer charcoal to any others. It costs about \$2 per barrel here. Your blower is all right if the shell is of cast iron. Being probably not set true is the reason it drives so hard. Place it at any distance you choose from the furnace, as it makes no very particular difference. For our charge see latter part of communication to A. E. L. of Ct., in last week's paper.

"A. C. B. of N. C."—Your letter expressing your satisfaction of the manner in which we closed your business with the A. G. P. Co. is received. You can suit your own convenience as to the time or manner of remitting the small balance which you acknowledge as our due. We hope the machine will please you in operation as well as it does in appearance.

"J. & P. of Conn."—We will publish the claim requested, next week.

"E. C. A. C. of Ill."—Your funds were received on Tuesday. The money last received was good. The papers had been continued as first ordered.

"T. S. of N. C."—The shortest way to make butter is not the best. The cream must be kept in an airy apartment, and when churning, the cream should be about 60 degrees of heat. The cure you desire is out our line, but in other countries, the sheep are shorn of their wool at the beginning of winter, and smeared with tar and butter. The best way to mix the pains is to stir them in well boiled linseed oil, use a very little turpentine. This is the best mixture to endure. The other rule we shall give you in the paper.

"J. H. of Ohio."—If you could keep all your hives, in the inside of a large box with a double partition, filled with dry saw dust, you would keep out the damp from the combs. We see no other way to keep them from moulding, unless by dry currents of air forced in by a blower.

If "Dunse of N. Y." sends us his real name we shall publish his letter, only he must allow us to invent a new alphabet and grammar for its appearance, or does he intend it as a new literary invention. It is extremely witty and deserves a leather medal.

"H. G. Jr. of Texas."—Many thanks for that last club of 30 subscribers.

To Patent Correspondents.

"J. M. of Mass."—Send on your models and then we can tell you better what can be done. Let the spring be a good one it possible.

"A. Bostonian in La."—Your previous letter was duly received and the amount you sent was fully sufficient for the information you desired. To make the matter more satisfactory we sent you a letter at the time containing all the particulars. Your paper was also sent, but as you have not received them duplicates are now forwarded. From the description you gave of your invention we think it a very valuable one and know of nothing to prevent your obtaining a patent. If you apply for one the sooner it is secured the better. Your first step will be to forward to us a model of the invention and \$30, which is the United States Patent Fee. There are probably other persons of the same name as yours is the reason you did not receive our letter.

"A. McK. of N. Y."—Your specification and drawings we received on Tuesday and forwarded them immediately to Washington.—The check was sufficient in amount, and we shall see that your business is not neglected. We shall write to you in a few days.

"J. A. of Pa."—We are sorry to say that you cannot Patent your plan. A Patent for the same thing was granted last year.

"J. C. of Mass."—We do not know of any one just now, who would join you. The sixty guinea article would not be wanted in this country. By putting a notice in the Scientific American you could probably find a person who would become interested with you. It will cost you \$2.

"C. D. G." "X. A. N." and "P. & C. H."—Your Patent business is progressing and will be matured and sent to your addresses for signatures early next week.

Guide to Health and Long Life.

A neat little work containing 75 pages bearing the above title, with hints as to the proper food and drink for mankind, has just been published and we recommend it to the public. It contains also advice as to the proper exercise to be taken to insure long life and happiness. Published by J. S. Redfield, Clinton Hall. Price 25 cents. Orders may be sent to this office, enclosing the amount and the work shall be forwarded.

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:

Table with 2 columns: Description of ad (e.g., one square, eight lines one insertion) and Price (e.g., \$0 50, 75, 1 00, etc.).

TERMS:—CASH IN ADVANCE.

GENERAL AGENTS

- FOR THE SCIENTIFIC AMERICAN.
New York City, Geo. Dexter.
Boston, Messrs. HORTCHISS & Co.
Philadelphia, STOKES & BROTHER.
LOCAL AGENTS.
Albany, PETER COOK.
Andover, Mass., E. A. RUSSELL.
Baltimore, Md., S. SANDS.
Bermuda Islands, WASHINGTON & Co.
Bridgeport, Ct., SAWFORD & CORNWALL.
Cabotville, Mass., E. F. BROWN.
Concord, N. H., RUFUS MERRILL.
Cincinnati, O., STRATTON & BARNARD.
Dover, N. H., B. L. NORRIS.
Fall River, Mass., POPE & CHACE.
Hartford, Ct., E. H. BOWERS.
Houston, Texas, J. W. COPES & Co.
Halifax, Nova Scotia, E. G. FULLER.
Jamestown, N. Y., E. BISHOP.
Lynn, Mass., J. E. F. MARSH.
Middletown, Ct., WM. WOODWARD.
Norwich, Ct., SAFFORD & PARKS.
New Haven, Ct., E. DOWNEY.
Newburg, N. Y., S. A. WHITE.
Newark, N. J., J. L. AGENS.
Newark, N. J., Robert KASHAW.
New Orleans, La., J. C. MOROAN.
Paterson, N. J., A. H. DOUGLASS.
Providence, R. I., H. & J. S. ROWE.
Rochester, N. Y., D. M. DEWEY.
Springfield, Mass., WM. B. BROCKET.
Salem, Mass., M. BESSY.
Saco, Me., L. CHANDLER.
Savannah, Geo., ISAAC CROOKER.
Syracuse, N. Y., JOHN CARUTHERS.
Taunton, Mass., W. P. PALMER.
Utica, N. Y., W. P. SEEVER.
Vicksburg, Miss., G. H. BEESLEY.
Williamsburgh, J. B. MAYES.
Webster, Mass., J. C. GANDER.
J. M. SHUMWAY.

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.

Daniel's Patent Planing Machine.

WE have now on hand one of these machines which we will dispose of for the very low sum of \$250. It is capable of planing boards, timber or any stuff from 16 ft. long by 22 inches wide, down to pieces of the smallest dimensions. It is so simple as to be easily managed by a boy, and operates with great rapidity and beauty. Any number of pieces of different thicknesses or lengths can all be planed down even at one operation. It performs a day's labor of one man in 20 minutes.

We can send it with perfect safety to any part of the United States. MUNN & CO. Scientific American Office, New York. Letters must be Post Paid. n18

WATERPROOF FELT FOR ROOFS.

THE patent Asphalt Roofing Felt has been extensively used in England for many years, and is an article that for strength, durability, and fitness for all kinds of buildings—dwelling houses, sheds, barns, Conservatories &c. cannot fail to recommend itself. Cheaper than shingles—LIGHTER than slate, SUPERIOR to zinc for FLAT ROOFS (as it is not affected by heat or frost) it makes a neat and elegant roof whether covered by PAINT, or Tar-composition and sand. 13 yards wide Cover 10 feet square—it comes in rolls 22 inches wide, and a person of ordinary ingenuity can complete a large roof in a few hours. Samples and information respecting it will be forwarded on application (post paid) to SAMUEL BITCHIE & Co., Agents, East Boston, Mass. n44

The Best Patent Agency in the United States.

THE subscribers would respectfully give notice that they still continue to attend to Patent Office business as usual. The long experience they have had in securing patents, together with their unrivalled facilities, enables them to say that THE BEST PATENT AGENCY, in the United States, IS AT THE OFFICE OF THE SCIENTIFIC AMERICAN, New York. It is not necessary, as commonly supposed, for an inventor to make a journey to Washington in person, in order to secure a Patent, as he cannot in any manner hasten the Patent or make his invention more secure. Any business connected with the Patent Office may be done by letter, through the SCIENTIFIC AMERICAN OFFICE, with the same facility and certainty as though the inventor came in person. From a want of knowledge on this point, applicants for patents are often obliged to submit to great vexation, with loss of much money and time. They also frequently fall into the hands of designing persons, and lose their inventions as well as money. Those who wish to take out Patents or enter Caveats, should by all means have the business transacted through the SCIENTIFIC AMERICAN OFFICE, as they may then rely upon its being done in a straight forward and prompt manner, on the very lowest terms. All letters must be Post Paid and directed to MUNN & CO., Publishers of the Scientific American, 128 Fulton street, New York.

Portable Saw Mill.

FOR SALE CHEAP.—A first rate up and down saw, for boards, planks and heavy work, already fitted up with frame, table, fly wheel, &c. Length of saw 4 feet 6 inches. Price for the whole \$60.

Curve Saw. Also for sale, a first rate up and down saw for sawing out curves. It is in complete order, already set in frame, with table, fly wheel, band pulley, &c.—Length of saw 2 ft. 6 in. Price for the whole \$25. They can be sent with perfect safety to any part of the country. Any one wanting either or both the above has only to enclose the amount named and the saws shall at once be forwarded. MUNN & CO. Scientific American Office, New York. n4

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 eighth more shingles can be sawed in the same given time than by any other machine now in use. Manufactured at Augusta, Me and Albany, N. Y. J. G. JOHNSON. Augusta, Maine, Oct. 28, 1848. o28 1y

Seventy five per cent Discount.

FOR SALE at this office a large lot of wood engravings, representing all kinds of Machinery and many New Inventions. The cuts are in perfect order having only been used on the Scientific American for one edition each, and will be sold at less than one-fourth the original cost.

To a country paper nothing would so greatly enhance its value and increase its circulation as occasionally publishing a description with an engraving of some new and useful invention. Publishers can remit any amount of money they choose and select from such engravings as we have published in the Scientific American from time to time stating the No. of the paper in which they appeared and their orders shall be applied on terms as reasonable as though they were at the office to select and bargain for themselves. Address n11 MUNN & CO., at this Office.

The largest, best and cheapest Dictionary in the English language, is confessedly WEBSTER'S,

the entire work, unabridged, in 1 vol. Crown Quarto, 1452 pp. with portrait of the author, revised by Professor Goodrich, of Yale College. Price, \$6.

"The most COMPLETE, ACCURATE, and RELIABLE Dictionary of the Language," is the recent testimony given to this work by many Presidents of Colleges, and other distinguished literary men throughout the country.

Containing three times the amount of matter of any other English Dictionary compiled in this country, or any Abridgment of this work, yet

"Its definitions are models of condensation and purity. The most complete work of the kind that any nation can boast of."—Hon. WM. B. CALHOUN.

"We rejoice that it bids fair to become the standard Dictionary to be used by the numerous millions of people who are to inhabit the United States."

—Signed by 104 members of Congress. Published by G. & C MERRIAM, Springfield, Mass., and for sale by all booksellers. s23 2m\*

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. o14 3m\*

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 FROTTER, Patentee, 28 Platt street, New York d26

STEAM BOILERS.

BENTLEY'S Patent Tubular and other Boilers of any size, shape or power, made to order, by SAMUEL C. HILLS & CO. 43 Fulton st. n8

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. n8

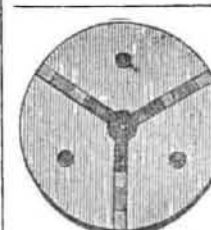
GENERAL PATENT AGENCY.

REMOVED. THE SUBSCRIBER has removed his Patent Agency from 139 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. n8 SAMUEL C. HILLS, Patent Agent.

Johnson & Robbins, Consulting Engineers and Counsellors for Patentees. Office on F street, opposite Patent Office, Washington, D. C. j17 4\*

Saws.

LEAVITT & M'DANIEL, Concord, N. H., make of the best cast steel the following Saws:—Circular, Mill, Tennon, Cross-cut, Fellow and Vennering Saws. Also, Turning and Billet Webs, and Butcher's Bow Saws. No saws ever made equal to their cast steel Mill Saws. The trade supplied on liberal terms. s33 2m\*



UNIVERSAL CHUCKS

FOR TURNING LATHES. For sale by the Manufacturer's Agents, QUINCY & DEAL PIERRE, 81 John street New York. s2 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. n15



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

TALBOT'S PATENT BLIND HINGE.

THE undersigned having become interested in the manufacture and sale of the above article, would state that their facilities are such, that they can supply any demand at short notice. This hinge, having stood the test of two years trial, has fully established itself as a useful and important invention, being all that can be desired for blind trimmings, as the blind is managed entirely from the inside of the house without raising the sash, COMPLETELY locks it, and prevents all unpleasant noise of the blind by wind.

American Window Trimming Company, Taunton, Mass. Address GEO. GODFREY, Agent A. W. T. Co. s23 3m

PECK'S PATENT VISE WITH FOOT LEVER.

THIS Vise is worked entirely by the foot and is admitted by all who have used them to be the best and strongest, saving of time and convenience considered, the cheapest Vise in use. For sale by QUINCY & DELAFIERE, 71 John st. New York; Geo. H. Gray & Co. Boston. Curtis & Hand, Philadelphia; Way & Brothers, Hartford; and by the proprietor, J. S. GRIFFING, New Haven, Ct. o7 2m\*

Those Hats

KNOX of 128 Fulton street, is on hand with his Autumn style of Hats, and as usual furnishes a little prettier shape, made of a little better material and for a much less price than many of his Broadway friends who boast of the superiority of their productions.

The public won't swallow that gammon, gentlemen, and you had better put your prices down to Knox's standard price, before he detracts all those regular customers from Broadway into Fulton st. o7

WE will act as Agents for all that may wish to introduce improvements into this State, and all letters post paid enclosing one dollar will receive prompt attention. GEORGE JOHNSON & CO. Reference:—Gov. Drew; Ex-Gov. Adams—both of Little Rock, Arkansas. Oct. 17, 1848. n11 2t\*

POWER TO LET—RARE CHANCE.

THREE rooms, 40 feet square, one room 60 by 40 feet, 2nd floor, power from engine, 25 in. cylinder, 4 1-2 feet stroke. Let together or in parts. Apply at West street Foundry, corner of Beach and West streets. s23 3m

LAW'S STAVE DRESSING AND JOINTING MACHINE.

THIS Machine is now in operation at Mr. William Burdon's, 102 Front st., Brooklyn, every working day, between 9 and 12 A. M. It dresses and joints properly, and with facility, the rived, or other stave, of ALL shapes and dimensions, without assorting and without waste of stock. It needs only to be seen to be approved. n4 8w\*

THE WEST STREET FOUNDRY, corner of Beach and West streets, will furnish at the shortest notice, Steam Engines and Boilers in all their varieties, and on the most reasonable terms, together with castings of brass or iron, and machinery in general. Orders attended to with dispatch, and particular attention given to repairing.

JOSEPH E. COFFEE, AGENT. Steam Boats, Engines, Machinery, &c. bought and sold on commission—apply as above. s28 3m