



Reported expressly for the Scientific American, from the Patent Office Records. Patentees will find it for their interest to have their inventions illustrated in the Scientific American, as it has by far a larger circulation than any other journal of its class in America, and is the only source to which the public are accustomed to refer for the latest improvements. No charge is made except for the execution of the engravings, which belong to the patentee after publication.

LIST OF PATENT CLAIMS

Issued from the United States Patent Office. FOR THE WEEK ENDING FEBRUARY 26, 1851.

To John Pepper of Portsmouth, N. H., (assignor to Charles Warren and H. G. Sanford, of Boston, Mass.) for improvements in Knitting Machines. Ante-dated Aug. 25, 1850.

I claim the half jack vibrating on the comb bar, connected with the sinker frame, and with the movable cross bar and springs, for the purpose of depressing the tail ends of the jack, and thereby raising their forward ends with the jack sinkers, as aforesaid.

I also claim the movable cross bar, containing the springs, connected as aforesaid, and for the purpose aforesaid.

I claim the cams in combination with the cross bar, with the projections thereon, hanging bars, vibrating pivots, the cam bar, and the half jack, connected with the sinker frame, and for the purposes aforesaid.

I claim the combination of the cam, and the shoe and shoe plate, for the purposes aforesaid.

I also claim the combination of the cam with the shoe, the movable shoe plate, the chains, the semicircles and hub, or wheel and hub, the bar connected with the slur carriage and the slur knob, and the horizontal bar, the carriage connected with the carrier needle, for the purposes aforesaid.

I also claim the combination of the cams, with the levers connected with the frame, and with the ribbed needle bar, for the purposes aforesaid, also the same in combination with the presses, connected, moved, and operating and for the purpose aforesaid.

To Moses Pond, of Boston, Mass., for improvement in Cooking Ranges.

I claim the improvements by which the hot water back is connected with the plate, and by means of which said hot water back may be either readily removed at any time or applied in such manner that the directions of its water pipes may be disposed so as to accommodate the bath boiler, into which they are usually led; or whatever side of the range the said bath boiler may be placed, the said improvements consisting, first, in the connecting piece, and the attachments of it and the hot water back, the whole being made to operate together substantially in the manner as above set forth; second, in a second set of attachments (fixed in the opposite face of the water back), in combination with the first set thereof, as described.

I also claim the peculiar arrangement of flues which lead the smoke and volatile products of combustion, directly around the oven, the said arrangement of flues, causing the heat to course against one half of the bottom of the oven and into another flue, which takes it backwards and against the other half of the bottom of the oven, thence up a flue against the back of the oven; thence through a flue extending over and against half of the top of the oven, thence into and through the flue, which carries it backwards and over and against the top of the oven, and conveys it to the chimney or discharge flue, not meaning to include in such arrangement the radiating chamber or space hereinbefore mentioned.

And I also claim the two recesses and two flue plates, applied to plate R, in combination with the valve opening, their damper and cam plate, as applied to the top plate of the oven frame, and used under an arrangement of over flues, substantially as described, the same allowing of the adaptation of the oven to either

side of the fire place, or the use of two such and their frames in connection with the fire place, all essentially as before stated.

I also claim the improvement by which the oven can be raised and readily removed, and by which the smoke is prevented from passing underneath the partition which separates the flues on the top of the oven, the same consisting in the sliding or gravitating plate affixed to the partition and made to operate substantially in the manner specified.

To Marvin Smith, of New Haven, Conn., for improvement in the bellows for Musical Instruments.

I claim the method, herein described, of making or constructing the wind chest commonly used in seraphines, melodeons, and all similar musical instruments, with one or more sides made of gum elastic materials, and in such way and manner as to be capable of expanding and contracting, or of being increased or diminished in size, and with the aid of metallic or other springs, to answer all the purposes of the common bellows generally used in these and similar instruments, substantially as described.

To J. B. Wilson, of Townsend Inlet, N. J., and Stacy Wilson, of Kensington, Pa., for improvement in applying friction rollers to hub and axles.

We claim the herein described method of applying friction rollers to the axles of the wheel carriages the interposition between the bearing of the axle and the faces of the friction rollers, of a loose sleeve, through which the axle is free to slide endwise, while it at the same time carries the sleeve round with it, in its rotation, the sleeve having a groove in its outer periphery, to receive the friction rollers and prevent them from moving endwise on the collar.

To J. D. Boers & Isaac Winslow, of Philadelphia, Pa., for improvements in Planing Machines.

We claim the combination of the shifting bed plate with the planes, constructed in the manner herein described, the planes presenting any desired part of their edge for cutting the surface of the board, after the tonguing and grooving has been performed by the circular saws.

We also claim the rotating arms with their cover, combined with the plane, substantially in the manner and for the purpose herein set forth.

To T. C. Avery, of New York, N. Y., for improvement in Electro-Magnetic Engines.

I claim the use and manner of arranging the helices and poles of the electro-magnets, in combination with the revolving bars or sets of bars; that is to say the helice being upon the bends of the magnets, from which the poles of the magnets extend towards and near to the centre of motion, and the revolving bars, or armatures, extending outwards from the centre of motion, and embracing the poles of the magnets, successively, as it rotates, for producing a magnetic, multiplying power engine, substantially in parts and principle as herein set forth.

To Joseph Banks, of New York, N. Y., for improved connection of the beams and columns of iron buildings.

I claim the method, herein described, of securing together the beams and columns of cast iron fronts for houses, by means of the lugs, with their flanges on the upper and under sides of the ends of the beam, and the projections on the inside at the top and base of the columns, as herein fully shown.

To Edward Clapp, (assignor to Edward Clapp & George Alden), of Dedham, Mass., for improvement in Sad Irons.

I claim the construction of the bottom of the polishing iron, the same consisting in making it with ridges or projections and concavities, substantially as described.

To T. F. Engelbrecht, of New York, N. Y., for improved Double-Acting Spring Hinge.

I do not claim the combination of an adjustable, curved inclined plane, with a portion of a hinge, and an adjustable bearing roller, with the other portion of the hinge.

But I claim the manner of combining the helical springs (two) with the cylindrical, rotating tumbler, and cylindrical, sectional case so that, by the rotation of the cylindrical tumbler, the heart-shaped projection will be made to traverse over the inclined plane, and cause the tumbler to rise and fall, and thus compress and expand the helical springs lengthen-

ing their coil, and simultaneously therewith, wind and unwind said helical springs, around the spindle, and thus cause them to act (by the motion of the door in either direction,) by torsion and expansion, to close the door, when it shall have been opened, as described.

To Francis Hoguet, of Philadelphia, Pa., for improvement in Extension Tables.

I claim the arrangement of a screw, or other equivalent device, in combination with the slides in such a manner, that a screw, or its equivalent, of sufficient length to move out one pair of slides, will move out any number described, substantially in the manner and for the purposes set forth.

To Wm. Sours, of Mount Jackson, Va., for improvement in Cooking Stoves.

I claim the transverse partition, in combination with the arrangement of front and back flues, as above described, for causing the several currents to unite after having traversed courses of nearly equal length, as set forth.

To Abner Lane, of Killingsworth, Conn., for improvement in machinery for turning irregular forms.

I do not claim merely the employment of two or more cutter wheels, cutter shafts, or cylinders, provided with any number of cutters of any required form, for cutting the whole surface and forming articles of any irregular form, without the use of the model of the article to be formed.

But I claim this only when the cutting cylinders are sustained, revolved, and carried to and from the block to be twined, by a revolving cylinder, in whose periphery they are placed, without any longitudinal or lateral motion, substantially as described.

To H. W. Sabin & Geo. Draw, of Canandaigua, N. Y., for improvement in Spring Hinges.

What we claim is the piece to one side of which the spring is attached, and which has, on the other, a projection, with a hole therein, by means of which and a pin, the spring can be engaged and disengaged, when the door is shut, substantially in the manner and for the purposes described.

To J. Sloan, of New York, N. Y., for machine for arranging and feeding screw blanks.

I claim the lifters which select and lift the blanks, &c., from the hopper, substantially as specified, in combination with ways or conductors, or the equivalents thereof, substantially as specified into or onto which the blanks, etc., are transformed, as specified.

I also claim giving to the lifters, or to the inclined ways, or their equivalents a lateral motion, in combination with a stop or detector, substantially as specified, for the purpose of arresting the operation of the lifters, until a further supply is required, as specified.

RE-ISSUES.

To Horace Boardman, of Plattsburgh, N. Y., for improved arrangement of Steam Boiler and Furnace thereof. Originally patented Aug. 14, 1849.

I claim the combination of a fire chamber and a water casing, the upper horizontal sections of both of which are greater than their lower, with a descending flue, the fire chamber and water casing being so arranged with respect to each other, that both the larger sections of the one adjoin the larger sections of the other, substantially in the manner and for the purposes herein set forth.

I likewise claim the injection of a jet or jets of air, at the flues or passages, which connect the combustion chamber, with the descending flue, for the purpose of igniting the gases and retarding the progressive motion towards the bottom of the gas chamber.

[We believe the principle of the last claim is at least ten years old.]

DESIGNS.

To S. H. Sailor (assignor to Warwick, Leibrandt & Co.), of Philadelphia, Pa., for Design for Cooking Stoves.

Music and Painting.

Music has been given us, by our bountiful Creator, to assist in smoothing the path of human life. The same being who has covered the face of nature with bright and beautiful colors, has filled the air with sweet and expressive sounds. He has taught us to listen to the melody of the birds, the sighs of the passing breeze, and the accents of the human voice, with feelings akin to those with which we gaze on the glorious heavens, the verdure

of the woods, and the meadows enamelled with a thousand flowers. And He has taught us, too, to make our senses of the beauties of nature, derived from the eye or the ear, the foundation of two exquisite arts, by which not only our perceptions of these beauties are quickened and enhanced, but our intellectual and moral qualities are called into action. Painting and music perform much higher parts than that of merely ministering to human pleasure.

The Wants of Man.

Man is the most needy of all creatures. The horse constructs for itself a winter's dress, which is equally fit for wet or dry, day or night, out of the food it eats. The birds and fowls drop their feathers, but neither applies to the tailor or milliner for another suit; out of the seeds they consume, they produce robe and plumage of a texture and beauty which throw the apparel of a Solomon into the shade. The animals require neither plowing nor sowing, neither weaving nor cotton-spinning—mines, factories, furnaces, fires, workshops, nor bake-houses; but man is full of wants. Houses, fuel, furniture, clothing, cookery, vehicles, and books are necessities of life, if we would make him what a human being ought to be. The productions of one country are rarely sufficient to supply his need. Animals have no wants which the soil on which they were born does not supply. The silk worm can live and rear its family, and construct its cocoon, in a mulberry tree. A few yards of space will suit it better than the range of the universe. The white bear, the reindeer, the elephant, the horse, the eagle, and the hippopotamus, have their own locality, from which they cannot move without risk. But if you confine man to a small circle, you may starve him in body and mind. He is the creature of all climes; he was made for all the world, and all the world was made for him. Wherever he goes he has something to sell or something to buy. Barter and traffic are no small part of his calling on earth, in which not only his physical, but also his intellectual and moral nature are called into full play. Were there no trade and intercourse between mankind, there could be no morality. Justice and benevolence are intended to sanctify the relations, associations, and dealings of the human family. Give us cultivated fields, skillful artisans, good manufactories, industrious workshops, well-manned ships, unrestricted commerce, free trade with all the world, and pure morality and philanthropy to regulate our proceedings, and we can place every comfort within the reach of every child of Adam, and thus mutually enrich and bless each other.

For the Scientific American.

The Terms "As Heavy" and "Heavier."

If a square foot of water weighs 1,000 ounces, and a square foot of iron weighs say 8,000 ounces, does it not follow that iron is eight times as heavy, and seven times heavier than water.

If the above terms are not synonymous, why is it that "heavier" is used instead of "as heavy" in many popular and scientific works, including your own journal lately, in your article on Hydrostatics? Partington's "British Cyclopædia" would say that iron is eight times as heavy as water, and not eight times heavier, which in my opinion would be one too many.

W. B.

Old Cambridge, Mass.

[Our correspondent is correct about the precision of the terms which he speaks about, as can easily be proved, thus, say water 1, iron 8: 8—1=plus 7, or seven times heavier, eight times as heavy.]

Chasm Tower Blown Down.

The Niagara Falls Iris of Saturday says this Observatory on Mount Eagle, was lifted by the wind from its foundation, on Saturday last, when the wire cables by which it was stayed were broken, and the whole mass fell to the ground a heap of ruins.

Crows.

It is but little more than forty years since the first crow crossed the Genesee river westwardly. They, with the fox, the hen hawk, swallow, and many other birds and insects, seem to follow in the track of civilization.

TO CORRESPONDENTS.

"D. S. H., of Pa."—Mr. Jeremiah Carhart, No. 75 East 13th st., this city, manufactures excellent melodeon reeds; you had better send an order to him.

"C. E. of Mobile."—We have just received your letter, and will attend to the business without delay, and write you.

"C. E. F., of S. C."—You are mistaken, altogether. We made no such statement as you attribute to us. By reference to the article again, and by a careful study of it, you will see that we have not led you into an error, the fault being entirely your own. We said, emphatically, that "it would not," and not that "it would," as you say.

"E. W., of Mass."—You could not obtain a patent for the gutta percha as applied to cover the inside of pipes, because patents have been taken out for preserving metals by the application of gutta percha to their surfaces. It is only a useless expense to apply it to cast iron pipes, for they are not subject to rust like wrought iron.

"G. W. S., of H."—We believe we understand your plan, but do not think it will answer, because the dropping of the ball will never be perfectly correct. The reason of this is, that the drift of the vessel as a body will attract it from the true perpendicular. If you try some experiments on a large moving body, you will find, we believe, that our views will be borne out. The best way to discover the amount of leeway is an indicator like Wilder's; but the great difficulty to get such plans to work well, is their liability to incorrect operation. This is the reason why the chronometer and quadrant, with the nautical almanac, are the only correct guides to navigators.

"J. B."—Will please forward a model of his improved butt to this office.

"J. B. G. H., of Mass."—We have no extra number of the paper you refer to, to send. A gentleman from Luzerne Co., Pa., showed us the sketch of a plan for oiling journals by the use of a belt, some 6 months since; we do not remember his name. He was very sanguine of its success, and promised to furnish us the result of his experiments. We have not heard from him since. \$2 received.

"T. R. C., of —."—Will receive an answer to his letter in regard to the Corn Planter when he furnishes his proper address.

"D. T., of Mass."—We have never been able to obtain a perfect union of the two metals any more than yourself, but our correspondent says he has had the improvement, as mentioned, in operation. The plan he mixes them by is unknown to us, but there does not appear to be any reason for doubting that the one may be rendered positive and the other negative, and thus insure their union.

"R. W. W., of Ind."—There is nothing new or patentable in your coupling for carriages; essentially the same plan was shown us some time since. We cannot therefore advise you to spend money upon an application.

"A. B. of N. Y."—Mr. Francis is probably not the first inventor. The device may be more than four years old. We are uncertain on that point.

"S. W. R., of O."—There have been no changes made in Patent Laws since 1842. The edition of the Patent Laws which was published at this office two or three years since contains all the information you can get from any source.

"B. W. S., M. D., of Pa."—The postage on the Scientific American to your place is 1 1/2 cents per copy. Many thanks for your fine list of subscribers. We have no second-hand steam engine of the capacity you mention on hand, nor do we know of any to sell in this vicinity.

"G. B. W., of Conn., and O. C., of Ill."—The engravings of your inventions will appear in next week's paper.

Money received on account of Patent Office business, since Feb. 26, 1851:—

S. T., of Conn., \$55; S. F., of N. Y., \$20; M. F. G., of Iowa, \$15; W. N., of N. Y., \$30; J. O., of Conn., \$10; J. G. W., of N. Y., \$20; S. I., of N. Y., \$20; J. W., of N. Y., \$20; W. G., of N. Y., \$20, and F. A. & D. S. R., of Conn., \$45.

Every correspondent should be particular and attach the name of the State as well as the town from which he writes. We have letters now on file which came to hand with inclosures of money, but from the carelessness of the writer, no State mentioned in any part of the letter, hence the cause of many not getting replies. N. B. L., of East Sharon; F. L., of Jay Bridge; D. R., of Jason; and F. D., of —, Mich., please read the preceding paragraph and learn wisdom.

"S. B., of N. Y."—We shall examine your sketch at an early date and report our views by letter.

ADVERTISEMENTS

Terms of Advertising:

One square of 8 lines, 50 cents for each insertion.
" 12 lines, 75 cts., " "
" 16 lines, \$1.00 " "

Advertisements should not exceed 16 lines, and cannot be inserted in connection with them at any price.

American and Foreign Patent Agency.

IMPORTANT TO INVENTORS.—The undersigned having for several years been extensively engaged in procuring Letters Patent for new mechanical and chemical inventions, offer their services to inventors upon most reasonable terms. All business entrusted to their charge is strictly confidential. Private consultations are held with inventors at their office from 9 A. M., until 4 P. M. Inventors, however, need not incur the expense of attending in person, as the preliminaries can all be arranged by letter. Models can be sent with safety by express or any other convenient medium. They should not be over 1 foot square in size, if possible.

Branches of our Agency have been established in London, under the charge of Messrs. Barlow, Payne & Parken, celebrated Attorneys, and Editors of the "Patent Journal;" also in Paris, France, under the charge of M. Gardissal, Editor of the "Brevet d'Invention." We flatter ourselves that the facilities we possess for securing patents in all countries where the right is recognized, are not equalled by any other American house.

MUNN & CO.,
128 Fulton street, New York.

PATENT BREAD CUTTER.—The subscriber will sell rights for this very valuable article, for a single State or for all the States except Vermont, Maine, Massachusetts, Rhode Island, Connecticut, New York, Missouri, Illinois, and Iowa, on reasonable terms. The Cutter will be wanted in almost every family, and will sell readily at a large profit to the manufacturer. Personal application or by letter, post paid, to the subscriber, at Berlin, Conn., will receive prompt attention. FRANKLIN ROYS. 25 4*

WANTED.—An Hydraulic Press for making imitation Sperm Candles. Direct, pre-paid, with full particulars, to WM. SMITH, Bristol Centre, Ct.

VALUABLE PATENT FOR SALE.—Embracing Massachusetts (with the exception of two small counties, and a few towns of minor consequence), Connecticut, and Rhode Island, entire. The assignment of Morse's Patent Tan, Sawdust, Peat, and other fine fuel Burner for heat, the cost of such fuel being nothing, together with a complete assortment of patterns, is now offered for sale for a term of about ten years, (patented 1846), on advantageous terms, with a stock of stoves ready for use, with the same if desired. The stoves yield a good profit, many hundred have been and many thousands must be sold. The assignment belonging to a firm dissolved, must be sold to close the concern. To those persons who are using this patent unlawfully, I say you are known and watched, and will soon be called upon to render an account for such violation. For further particulars inquire of E. F. DIXIE, Worcester, Mass. 24 3*

MACHINES FOR CUTTING SHINGLES AND STAVES.—The undersigned is the owner of the following States of Wood's Improved Shingle Machine, Patented Jan. 8th, 1850, viz. Maine, New Hampshire, Vermont, Delaware, Maryland, Virginia, North and South Carolina, Georgia, Alabama, Florida, Arkansas, New Mexico, California, Oregon, District of Columbia, and one half of Connecticut. The above territory is for sale with or without the machines. No machine ever patented can do the same amount of work in so perfect a manner. Address CHARLES WATERMAN, West Meriden, Ct. 24 4*

BROWN'S PATENT COUPLING FOR HOSE AND PIPES.—This valuable invention (which was illustrated and described in No. 42, Vol. 5, Sci. Am.) is now offered for sale on reasonable terms in either town, county, or State rights. For further information address, post-paid, the inventor and patentee, A. H. BROWN, Commercial Buildings, Albany, N. Y. 24 2*

NOTICE TO MACHINISTS.—Wanted, immediately, a competent hand as foreman of a machine shop, where the principal work done is building stationary steam engines. An industrious man with steady habits, who can give testimonials of his ability to do, and direct work in such a shop, will be sure of employment at generous prices, if application be made soon. Reference—Wm. Kemble, 79 West st., N. Y. Address E. W. HUDNUTT & CO., Genesee, Livingston Co. N. Y. [] Wanted, 2 or 3 good machinists. 24 4*

PATENT DREDGE BOAT.—The subscriber having obtained a patent for improvements on the Dredge Boat, offers to sell rights to build and to use his Patent Dredge Boat in any part of the United States; the excavating apparatus consists of twenty scoops, preceded by plows receiving great pressure, and are capable of raising eight or ten cubic yards of mud or gravel per minute; the scooping apparatus may be fitted on an old steamboat or other vessel, for the purpose of removing bars or other obstructions to navigation. A working model may be seen by calling on the subscriber. JAMES CALLAGHAN, 20 10* No. 64 Spruce st., New Bedford, Mass.

WILLIAM W. HUBBELL.—Attorney and Counselor at Law, and Solicitor in Equity, Philadelphia, Penn.

ELECTROTYPE PATENT FOR SALE.—The subscriber offers for sale the right of his process for preventing adhesion in the Electrotype operation. Engraved plates of the finest kind, amounting in value to nearly \$100,000, have now been duplicated by this process, without the slightest injury having occurred in any instance. It is believed that a respectable business in multiplying engraved plates could be established in any of the large cities, especially if carried on in conjunction with electro-plating and gilding. Only three rights will be sold, which will be for Boston, New York, and Philadelphia, or an exclusive right for one city, and these rights will exclude all others, excepting one to be reserved for some place south of Pennsylvania, and the right now owned by the United States Government. GEORGE MATHIOT, Washington, D. C. 23 3*

THE NASHVILLE MANUFACTURING COMPANY (chartered by the State of Tennessee) being now engaged in the erection of extensive machine works, wish to engage the services of a person thoroughly competent to manage the same. It is the intention of the Company to engage extensively in building locomotives, steam engines, &c. None but such as can furnish undoubted testimonials for skill, energy, and other requisites to fill the station, need apply. The Company also wish to employ a number of machinists, founders, &c., and would also receive propositions for the necessary tools, &c., for such an establishment. Immediate application, by letter or personally, to the undersigned, will meet attention. S. D. MORGAN, Pres't. Nashville Man. Co. Nashville, Tenn., Jan 17, 1851. 21 6*

TO LUMBER DEALERS.—Law's Planer having undergone important alterations, is now perfected and in successful daily operation, facing and matching at the same time, and in both respects, in a style not to be surpassed. The common objection that machines are expensive in repairs, is not applicable to these new machines—they are simple, strong, and easily kept in order. It is confidently believed that when they are well known they will have a decided preference over any other machine or mode of planing. Planing of all kinds done at short notice, corner of Water and Jay sts., Brooklyn. Law's Stave Machine dresses and joints staves of all kinds, shapes, and widths, by once passing through. Rights or machines for sale by H. LAW, 216 Pearl street, or after 1st March, at 23 Park Row. 21 8

HUTCHINSON'S PATENT STAVE MACHINE.—C. B. HUTCHINSON & CO., Waterloo, N. Y., offer for sale town, county and State rights, or single machines, with right to use the same. This machine was illustrated in No. 2, Vol. 5, Sci. Am.; it will cut from 1,500 to 2,000 perfect staves per hour. We manufacture machines of different sizes, for keg, firkin, barrel and hoghead staves; also, heading shingle, and listing and jointing machines. These machines may be seen in operation at St. Louis, Mo.; Chicago, Ill.; Savannah, Ga.; Madison, Ia.; Ithaca, N. Y.; Waterloo, N. Y.; Bytown, C. W. Letters directed to us, post-paid, will receive prompt attention. 15 3m*

LEONARD'S MACHINERY DEPOT, 116 Pearl st., N. Y.—The subscriber has removed from 66 Beaver st. to the large store, 116 Pearl st., and is now prepared to offer a great variety of Machinists' Tools, viz., engines and hand lathes, iron planing and vertical drilling machines, cutting engines, slotting machines, universal chucks, &c. Carpenters' Tools—mortising and tenoning machines, wood planing machines, &c. Cotton Gins, hand and power, Carver Washburn & Co.'s Patent. Steam Engines and Boilers, from 5 to 100 horse power. Mill Gearing, wrought iron shafting and castings made to order. Particular attention paid to the packing, shipping, and insurance, when requested, of all machinery ordered through me. P. A. LEONARD. 15 3m

SCRANTON & PARSHLEY, Tool Builders, New Haven, Conn., will have finished 2 Power Planers ready to ship by the 1st of Feb., that will plane 9 feet long, 31 inches wide, and 24 inches high, with angle feed; counter shaft, pulleys, and hangers, splining and centre heads, with indelicate, and weigh over 5,000 lbs.; also 2 power planers that will plane 5 feet long, 22 in. wide, and 20 in. high, with counter shaft, pulleys, and hangers, and weigh 2,400 lbs.—These planers are 25 per cent. lower than any others built. Cuts can be had by addressing as above, post paid. 19tf

LINEN AND HEMP MACHINERY.—I am prepared to contract with companies or individuals for the building of machinery by which linen can be produced as cheap as cotton, from either unrotted hemp or flax; also for making rope or bagging of unrotted hemp—the same machinery which I am now successfully using in the manufacture of kyanized cordage. O. S. LEAVITT. Maysville, Ky., Jan 23, 1851. 21 4*

GROSHON'S PATENT CORN PLANTER.—The inventor and patentee of this excellent invention, which was described in No. 40, Vol. 5, Scientific American, desires to dispose of State, County, or Town rights on reasonable terms. Address J. P. GROSHON, Yonkers, N. Y., post-paid. The invention has been awarded premiums from the American Institute and State Fair. 24 2*

IRON FOUNDERS MATERIALS.—viz., fine ground and Bolted Sea Coal, Charcoal, Lehigh Soapstone and Black Lead Facings of approved quality. Iron and brass founders' superior Moulding Sand, Fire Clay, Fire Sand, and Kaolin; also best Fire Bricks, plain and arch shaped, for cupolas &c.; all packed in hogheads, barrels or boxes for exportation, by G. O. ROBERTSON, 4 Liberty Place, near the Post Office, N. Y. 22 3m*

CLOCKS FOR CHURCHES, PUBLIC BUILDINGS, RAILROAD STATIONS, &c.—The subscriber having made important improvements in the apparatus for counteracting the influence of the changes of temperature upon the pendulum, and in the retaining power, together with a most precise method of adjusting the pendulum to correct time, are prepared to furnish Clocks superior to any made in the United States, both for accuracy of time-keeping and durability. They speak with confidence, from having tested their performance for several years. All clocks ordered and not proving satisfactory, may be rejected. Address SHERRY & BYRAM, Oakland Works, Sag Harbor, L. I. "Mr. Byram has established his reputation as one of the first clock makers in the world!"—[Scientific American. 17 5eow*

MATAPAN MACHINE WORKS.—Corner of Second and A sts., South Boston. The undersigned have recently enlarged their business and are now prepared to offer a great variety of Machinists' Tools, viz., Engine and Hand Lathes, iron Planing and Vertical Drilling Machines, Cutting Engines, Slotting Machines, and Universal Chucks; also Mill Gearing and Wrought Iron Shafting made to order. 22 12* GEO. HEPWORTH & SON.

DICK'S GREAT POWER PRESS.—The public are hereby informed that the Matteawan Company, having entered into an arrangement with the Patentee for the manufacture of the so-called Dick's Anti-Friction Press, are now prepared to execute orders for the following, to which this power is applicable, viz.—Boiler Punches, Boiler Plate Shears, Saw Gummers, Rail Straighteners, Copying and Sealing Presses, Book and Paper Presses, Embossing Presses, Presses for Baling Cotton and Woolen Goods—Cotton, Hay, Tobacco, and Cider Presses; Flaxseed, Lard, and Sperm Oil Presses; Stump Extractors, &c. &c. The convenience and celerity with which this machine can be operated, is such that on an average, not more than one-fourth the time will be required to do the same work with the same force required by any other machine.

WILLIAM B. LEONARD, Agent,
13tf No. 66 Beaver st., New York City.

MACHINES FOR CUTTING SHINGLES.—The extraordinary success of Wood's Patent Shingle Machine, under every circumstance where it has been tried, fully establishes its superiority over any other machine for the purpose ever yet offered to the public. It received the first premium at the last Fair of the American Institute—where its operation was witnessed by hundreds. A few State rights remain unsold. Patented January 8th, 1850,—13 years more to run. Terms made easy to the purchaser. Address, (post-paid) JAMES D. JOHNSON, Redding Ridge, Conn., or Wm. WOOD, Westport, Conn. All letters will be promptly attended to. 10tf

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