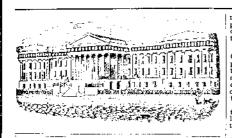
Scientific American.



166

[Reported Officially for the Scientific American.]

LIST OF PATENT CLAIMS

Issued from he United States Patent Office. FOR THE WEEK ENDING JANUARY 23, 1855.

HERNIAL TRUSSES-W. M. Bonwill, of Camden, Del. : f do not claim the hinges, F P. the adjustability of the padsor the form of the hoop separately ; but I claim the combina-tion of the peculiarly formed hoop with the umbilical pad and strap, for the purpose of preventing the movements of the body from displacing the pad in either umbilical or in inguinal hernia, as set forth.

inguinal hernia, as set forth. Gas HEATEN-W. F. Shaw, of Boston, Mass. : Iam aware that argant burners and some fire places have their flame or fuel chambers supplied with an internal and external cur-rents of air. I therefore so not claim the mere application of a means of applying air externally to a flame or mass of fuel in a chamber, although in my apparatus I accomplish this ; but while I obtain such an advantage from an exter-nal current of air when let into the chamber, C. I secure a further effect, viz, that of supplying air to the surplus cham-ber or reverberatory dome, F, it will be seen that the cham-ber or reverberatory dome, F, it will be seen that the cham-ber, C, has an important relation to the surplus chamber in the gas burning apparatus. I therefore claim the arrangement and combination of the air pipe, A, the perforated distributor, B, the air chamber, C, the flue pipe, E, and its surrounding chamber of combas-tion or reverberstory dome, F, rivided with an outle pipe at or near its lower end, the said reverberatory dome or volatile products, as specified. ROLLERS FOR CORRUGATING SHET METAI.-S. G. Booth.

ROLLERS FOR CORRUGATING SHEET METAL.—S. G. Booth, of New York City: I do not claim making the rollers of ad-justable sections, for the purpose of repeating the rolling oper-ations upon a piece of sheet metal; nor do I claim making rollers of two or more parts. But I claim making the swages and dies for forming beams of wrought iron of numerous thin sections, so that one, two, or more sections can be removed to produce beams of different forms, for the purpose of saving the expense and inconvenience of a multiplicity of pairs of swages and dies, all substantially as set forth.

HAY MAKING MACHINE-G. A. Brown, of Middletown, R. I. : I claim the construction of a machine in manner and form as described, or in any other manner or form substan-tially the same, applying the power directly from the driv-ing wheels to the spreading apparatus, thus saving the loss of power caused by friction in a series of wheels, using coil-ed or spring teeth, and the application of such machine to the purpose of spreading and turninghay.

Instruction of the spicating and turning hey. INSTRUKENT FOR CUTTINGOUT STONE — H. J. Brunner, of Nazareth, Pa. : I claim cutting out slate or other stone from quarries by means of a cutter stock, B, provided with cut-ters, D D, and having a reciprocating motion given it by means of a toolhed wheel, P, in which pinions, Θ N, are made to gear alternately in consequence of the arrangement of the teeth on the periphery of said wheel, P, as shown, said cutters, D D, having the proper feed motion given them by the pawis, F F, ratchets, E' E', pinions, E E, and racks, C C, or other substantially equivalent device operating as set forth.

[See notice of this invention in No. 17, present Vol. Sci. AM.1

ROLLERS FOR CURTAINS—D. H. Chamberlain and John Hartshorn. of Boston, Mass. : We do not claim the applica-tion of a torsion spring to one end only of a curtain roller. But we claim our improved manner of applying the spring to the curtain roller, that is, extending it axially entirely through the roller and its two journals axia affixing it to the roller, and both its brackets (or journals extended from and fastened to them) substantially as specified, such not only affording advantages of which a long spring has over a short one, but also important facilities in applying the spring or modifying its tension as occasion may require. ROLLERS FOR CURTAINS-D. H. Chamberlain and John

CARRIAGES-George R. Comstock, of Manheim, N. Y. : I claim the employment of fills in combination with a pole, which pole has attached to it an elliptic spring, capable of a motion around the pole, to which spring, as well as to the fills, the draught animals are to be attached by the harness,

HOT AIR FURNACE—Michael Greenebaum, of Chicago, Ill.: I claim the arrangement of the cylinder, I, in the drum, k in combination with the perforated partition, n, and the pipes, p qr, and valve, s, for the purpose of regulating and equalizing the radiation of heat of hot air furnaces, sub-stantially as set forth. flows when the point of the pen is turned upward, substan-tially the same as described. Third, I claim the combination of the conical part of the piston rod with a conical seat for the same in the screw cap, so that when the piston rod is drawn outward in charging the main reservoir tube with ink, the hole in the screw cap is closed ink and air tight, substantially as described. We, however, would like to see Mr. Webb's hydraulic ram tested with all the others that stantially as set forth. STEAM MACHINERY—John Sutton, of New York City : I claim, first, arranging the cylinder, B, and piston, C, of the feeder within or in the bottom of the grease reservoir, A, with the cylinder opening directly into the reservoir, sub-stantially as described, whereby the construction of the feed-er is simplified, and it is rendered more compact, and pro-vision is made for collecting the sediment within the reser-voir. have obtained any reputation in our country, CUTTING AND GRINDING VEGETABLES-Wm. H. Harn, of Carlisle, Pa. : I claim a slicing or cutting apparatus, con-sisting of a cylinder armed with knives, and working in con-nection with stationary knives, substantially as described, in combination with a crushing or grinaing apparatns, sub-stantially such as described, or the equivalent thereof, the whole being so constructed as to slice the fruit or vegetables and then crush or grind them in the same machine, as de-scribed. in order to satisfy us and the public respect-DESIGNS. METALLIC COFFINS-Martin H. Crane (assignor to Crane, ing the merits of each. This is the reason Breed & Co.,) of Cincinnati, Ohio. why we have noticed the proposition of Mr. PARLOR OPEN FRONT STOVES-N. S. Vedder, of Troy, N. Y. (assignor to G. F. Filley, of St. Louis, Mo.) vision is made to collecting the seatment within the reser-voir. Second, constructing the feeder with a valve, f, in the pis-tion opening towards the discharge end of the cylinder, and a valve, d, in the discharge end of the cylinder opening against and closing with the pressure of the steam or mo-tive agent, substantially as described, whereby it is caused to be only necessary to move the piston once back and forth to charge and discharge the feeding cylinder, and the lubri-cation is effected more quickly and with less trouble to the engineer. Webb. PARLOR STOVES—N. S. Vedder and Ezra Ripley, of Troy, N. Y. (assignors to G. F. Filley.) Book BRACK-Wm. Ives, of Buffalo, N. Y. : I claim the combining with the brace the pointed spring bolt and spurs, substantially in the manner and for the purpose described. I also claim the application of the adjustable slide to the brace, substantially in the manner and for the purpose set forth. Preparation for Boots and Shoes. COAL STOVES-Conrad Harris and P. W. Zoiner, of Oin-cinnati, Ohio. To one pound of tallow, and half a pound NOTE-In the above list of patents we notice the names of of rosin, melt and add about half an ounce ELEVEN PATENTEES whose specifications and drawings were of lamp-black. If the leather is new and [For a description of this invention see No. 11, present prepared at this office. It is gratifying to us to recognize dry, moisten it, and apply the mixture as hot Vol. Sci. Am.] the names of so many of our old friends in the weekly reas you can bear your finger in it. When the LANTERNS-Lewis Hover, of Jersey City, N. J.: I claim the arrangement of the springs, i d, hooks, e c, and ledges, ff, operated in the manner described, as a fastening to se-cure the base, B, of the lantern to the other portion of the same cords from the Patent Office : and it is more than equally

near the lower end of the said sliding piece, whilst the up-per end of the samepiece is adapted to slide within the loop, c, formed on the upper end of the main post, all as and for the purpose described.

ROLLING IRON SHUTTERS-Chas. Mettam, of New City : I do not claim as new or irrespective of the r

ROLLING IRON SHUTTERS-Chas. Mettam, of New York City : I do not claim as new or irrespective of the relative position of the protructing arch, and the description of shut-ter to which the described form of slat refers, giving a slat a curved or arched form to increase strength, as a differ-ent disposition of the protructing arch and combination of curves have before been used in blinds otherwise arranged than to roll up. Nor yet do I claim as new in itself, causing the edges of the slats in rolling shutters to have a broad find bearing or lap, theone over or spont the other to excluded ust, &c., as the ordinary flat slat rolling shutter possess that feature. But I claim the rolling metal shutter, operating as de-scribed making the slats of the form substantially as speci-fied, that is to say, with an exterior protruding arch, a, at their center combined with flat laps or bearings, b, at their edges, the slats being arranged in relation to each other, and united together essentially as set forth, by which configur-ation the shutter may be rolled up in a less compass, the la-bor of rolling up reduced, and the many other advantages set forth.

[In No. 9, Vol. 10, Sci. Am., may be found a description

of this invention.]

or this invention.] METAL FOLDING MACHINES—Daniel Newton, of South-ington, Conn.: I claim the application to folders (for sheet iron, tin, copper, &c.) of three or more pairs ofsteel flagers, alo of us same shape, one half of which are fastened the plate which turns the fold, and the whole acting together, the boy are ingthe and holding the plate firming on the metal whils the fold is turning. I also claim the gauges attached to the plate by which the with of the fold is regulated, substantially as described.

MACHINES FOR WASHING PAPER STOCK-H. W. Peaslee, of Malden bridge, N. Y. Patented in England Sept, 20, 1854: I do not claim as new the revolving screen cylinder, and stationary trough, with or without elevating hocks or lifters, arranged spirally or otherwise in the cylinder forthe purposes specified, nor yet otherwise than as arranged and combined, the oblique curbs or picces to direct the discharge from the cylinder, as such devices, differently arranged, em-ployed, and combined, have before been used in ore wash-ing machines.

ployed, and combined, have before been used in ore wash-ing machines. But I claim, in the washing of paper stock, the arrange-ment substantially as shown and described, of the oblique curbs, K, in continuous succession round the open discharge end of the revolving screen cylinder, and forming channels between them to conduct the stock continuously, as the cyl-inder rotates beyond the discharge edge of the cylinder, when combined to operate together with elevating hooks, 4, within the cylinder, and serving to retain a copious supply of water in the cylinder for the proper washing of the stock, and to check the run of the stock through the cylinder to a speed in accordance with the conveying action of the cylin-der or its elevating hooks, 4, as specified, to insure the full and regular action of the hooks on the stock, in the manner described, the whole operating together as and for the pur-pose set forth.

[This is a valuable invention, which has been pate everal foreign countries.]

FIRE ENGINES—A. W. Roberts, of Hartford, Ct.: I do not claim the brakes and levers; neither do I elaim the valves or cylinders. But I claim the arrangement of the valves of pumps for fire engines, and other purposes, in the manner substantial-ly as described. Also the arrangement of the compound brake and levers, substantially as set forth and described.

COMPOUND RIFLING MACHINE-E K. Root, of Hartford, Coun. : I claim the method of giving the motion to the au-ter stocks for giving the increasing twist, by means of the connecting rod or its equivalent turning on a fixed center, and describing a circle at the point of its connection with the cutter carriage which moves in a tangent line, substan-tially as specified. I also claim combining a series of cutter spindles with the said connecting rod or its equivalent, by means of a sliding rack connected with the said rod, and engaging pinions on the said spindle, substantially as described. I also claim in combination with the mandrels that carry the barrels, the slide, and its appendages, to act upon and

Tailso claim in combination with the mandrels that carry the barrels, the slide, and its appendages, to act upon and urn the mandrels, in combination with the dots for locking and holding the barrels during the rifling operation, the said dogs being operated by the said slide, substantially as speci-fied. I also claim the mode of operating the series of stops to insurean accurate adjustment of the series of stops to insurean accurate adjustment of the series of cutters, sub-stantially as specified. And finally, I claim the adjustable crank pins for opera-ting the cutter carriage in a combination with the mode of forming the connection of the connecting rols with the car-riage by means of slides governed by adjusting geared acrews, substantially as specified, as a means of adapting the machine to the rifling of barrels of various lengths with-out the necessity of changing the relations of the mandrels, and the stops for setting the cutters, asset forth.

and too stops for setting the cutters, as set forth. APPARATUSES FOR SUFFYING FURNACES WITH PULVER-IZED METAL-Eloy Schmitz, of New York City : I claimar-ranging within the blast pipe of a furnace or other fireplace another und smaller pipe or tube governed by valves to ad-mit and cut of the blast, substantially as described, when this is could the charging tube, also governed by a valve, substantially as specified, so that when the blast is forcing the pulverized substance from the tube within the blast pipe, the blast shall be cut off from the charging tube, and when the charging tube is goen for the liberation of the charge the blast shall be cut off by the valves below, as set forth.

lenges, which have the appearance of bets.

[This is a small but very pretty invention for the purpose specified.]

specified.] IRON WINDOW BLINDS—Henry Blakely, of New York City : I claim the described method of fastening the metal blinds or slats to the frame, by securing their ends or the pivots on which they turn, in the eyes in such manner as will prevent the blinds from being taken out by any force applied to bend them, short of the breaking strength of the several parts, the whole being constructed, substantially in themanner and for the purposesset forth. IA description of this inventon may be found on another nered

page.]

Looms-Geo. Copeland, of Lewiston, Me. : I claim, first, placing the cams, G G G, and G² G², which operate the two sets of harness, upon two shafts, F and F², carried by opposite arrises of lever beams, K K, which are capable of rocking upon a fixed shaft, D, with which the cam shafts, F F², are carred, and from which they receive the motion.

opposite arrss or lever beams, k.k., which are capable or rocking upon a fixed shaft, D, with which the cam shafts, k F, are geared, and from which they receive the motion, substantially as described, relatively to each other, to change the operation of the harness. Second, I claim the method described of securing the lev-er beams, K.K., to maintain the proper position of the cam shafts, for one mode of operating the harnesse, and chang-ing their position for the other mode of operating, by means of a spring or springs, c.c. or equivalents, or hook, e, and a disk, N, or equivalent, carrying a stud, k, all operating and acted upon substantially as set forth. Third, In weaving the closed part of the fabric or bottom for the bag, I claim giving the lever beams acontinual rock-ing movement on the shaft, D, for the purpose of enabling them to be caught by the hook, e, and secured in position for weaving the open part of the fabric, as soon as a suf-cient length of closed part of totom has been woren, and the hook escapes from the stud, k, which holds it during the latter weaving operation.

hat now escapes not us sud, a, which nows it within a the latter weaving operation. Fourth, though I do not claim the employment of two race ways in the same loom, with two shuttles which move simultaneously, one leaving its thread in the upper and the The second secon

[A description of this very important invention may be ound in No. 10 present Vol.]

COTTON SEED PLANTERS-Isaac Williams and Isaac W COTTON SEED PLANTERS-ISAAC Williams and ISAAC W. Bausman, of Alleghany Co., Pa.: We are aware that one or more shafts with teeth have been placed within the hop-per, and that a single cylinder, with a scries of spirally set teeth has been employed in the throat of the hopper of seed planters, wetherefore is not claim these devices. But we claim the use and combination of two cylinders, placed one above the other, not in the hopper, but in the throat below the hopper, one furnished with a row of long teeth, and the other with a row of short teeth, the teeth on each cylinder being placed helically around it for the pur-pose of separating and distributing or scattering the cotton seeds in the manner described.

seeds in the manner described. REFEATING CANNON-Saml. Huffman, of Charlestown, IL (assignor to himself and D. O. Hare, of Washington, D. U.): I claim, first, the movable forward sections, c, with its flange, g, in combination with the revolving rear sections, 1, secured to the plate, d, constructed and arranged substan-tially as described and for the purpose specified. Second, the flange, n, in combination with the projection, m, on the plate, a, substantially as described, and for the purpose specified. Third, the jacket or cold water tank, a2, substantially as described and for the purpose specified. Fourth, the vent closer, constructed and arranged sub-stantially as described and for the purpose specified. Fourth, the vent closer, constructed and arranged sub-stantially as described and for the purpose specified.

BUCKETS FOR CHAIN PUMPS-Edmund Morris, of Bur-lington, N. J. : I claim the combination and arrangement of the gum ring with the cone, substantially as described, for the purpose set forth.

MARCH MACHINK-Leopold and Joseph Thomas, of Alle-ghany City, Pa.: I claim, first, the use of the sliding car-riage with the feed rollers, for the purposes described. Second, the combination of sliding shelf-shoving head levers, and plungers, for the purpose of packing the knished matches in boxes.

Third, the carrier wheel and roller for applying the phos phoric composition to the matches by machinery.

PADDLE WREELS-John U. Wallis, of Danville, N. Y.: I do not claim the employment of oblique paddle floats, nor arranging the oblique paddle floats in pairs, in the form of the letter V, otherwise than as described.

OSCILLATING ENGINES-G. F. Wood, of Ulysses, N. Y. do not claim the induction of the steam by the oscillation

pleasing to them, no doubt, to thus receive evidence of their

reward for the sleepless nights and days' labor they have

spent in conceiving and bringing forth their inventions.

Patent Cases.

2

10

STOVES-On the 20th inst., in this city, be fore Judge Betts U.S. Circuit Court on a trial to recover damages for alleged infringement of a patent granted to Phillip Rollhouse in 1849, for a stove, the jury gave a verdict for the defendant, Alexander McPherson, who set up the defence that the stove which he manufactured was not an infringemert of Rollhouse's patent.

MCCORMICE'S REAPER-In Washington, on the 7th inst, we have been informed that C. H. McCormick applied to the Supreme Court for an injunction to restrain J. Manning & Co., of Illinois, from manufacturing reaping machines. It was opposed by the defendants on the ground of the inconvenience of making out a case so far from home, and a formal application made for trial in the Illinois Circuit Court. The rule was granted for the trial in June next-the defendants being required to give bail and security for damages in case an injunction is issued.

A Cure for Scrofula.

Nicholas Longworth, the famous millionaire and wine-grower of Cincinnati, publishes the following cure for scrofula :----

Put two oz. of aquafortis on a plate on which you have two copper cents. Let it remain from eighteen to twenty-four hours.-Then add four ounces of clear, strong vinegar. Put cents and all in a large mouthed bottle, and keep it corked. Begin by putting four drops in a teaspoonful of rain water, and apply it to the sore. Make the application three times a day, with a soft hair pencil, or one made of soft rags. If very painful, put more water. As the sore heals apply it weaker.

P. S. Capt. Harkness, of our city, the first person cured by this remedy, applied it without water, and he informed me that he thought it would burn his leg off; but the next day it was cured. His was a small sore, and had been attended to for months by one of the best physicians, without any benefit. -[Baltimore Sun.

[This may be a very good remedy for this evil. Any piece of copper will answer as well as two cents. The product is simply the nitro-acetate of copper.

Hydraulic Ram Challenge.

leather once becomes saturated it will be im-

pervious to water, and very durable.

U

Ellis Webb, of Pennsburg, Pa., has sent us

the letter V, otherwise than as described. But I claim, first, the attachment of the oblique paddle floats, each by one edge only to opposite sides of a wheel, A, or its equivalent, substantially as described. Second, I claim attaching the paddle boats to the wheel, A, or its equivalent, by hinge joints, for the purpose of en-abling them to be adjusted at various degrees of ouliquity by screws, a a, or their equivalents, and is adapt their pos-ition to the direction of the revolution of the wheel, as set forth. fills, the draught animals are to be attached by the harness, substantially as set forth. I also claim the arrangement of the fills by which the's space between them can be enlarged or contracted to adrpt it 10 one or two horses, as may be required, the same to be effected by aright angled elbow on the rear end of each fill, having several bolt holes through which it can be bolted to the frame work of the carriage, the fill urming as on a pivot in a loop, attached to the outward extremity of the said frame work, substantially as set forth. Also the combination of the united fills, polc, and elliptic spring with a carriage for the purpose and in the manner substantially as set forth. a communication in which he proposes a practical test of his new hydraulic ram with any other. He states that he will give \$500 if he does not succeed in raising twenty per cent more water by his than any other water [A description of this invention will be published as soon charge the blast shall be car of a forth. And I also claim, in combination with the above, chargas the several foreign patents, which are in progress of pro ram, in an experiment to be tried in Chester And I also claim, in combination with the above, charg-ing and discharging tubes governed by valves, the employ-ment of a branch tube governed by a valve opening to the atmosphere, to prevent the pulverized substances from be-ing held in the charging tube, by any excess of pressure which may be due to the entrance of the blast during the time the valves of the discharging tube are opened, as set forth. And I also claim, in combination with the discharging and charging tubes, the employment of the conductor, and the punch rod, substantially as described and for the pur-pose set forth. curation are consummated.] substantially as set forth. CARRIAGE SEATS-G. R. Comstock, of Manheim, N. Y. : I claim the method of adjusting the load curried in two-wheeled vehicle so as to keep the pressure upon the animal drawing the same, equal or nearly so, whether the carriage be moving upon level or uneven ground, by shifting the seat, or upper body backward or forward, using an axis with toothed quadrants operating npon toothed racks attached underneath said seat or body (or by the use of any mechan-ical equivalent) said axis being manouvered by a lever which passes up through the arm of the seat or upper body, sub-stantially as set forth, the said mechanical apparatus being in combination with the carriage body and seat. Co., Pa. The elevation to which the water is to be raised must not be less than seventy I do not claim the induction of the steam by the oscillation of the cylinder bringing its ports at proper times into and out of communication with ports in the ends of the induc-tion and eduction pipes or in disks connected therewith. But I claim the arrangement of the separate induction and eduction valves, I E, communicating with separate induc-tion and eduction ports and passages through the two trun-nions, and connected with the same lever, F, substantially as set forth, to move simultaneously and the same distance, for stomping or reversing the enzine. feet. The condition is, that if he does raise 75 per cent. more water than the best of the others-only one experiment is to be made -he is to receive \$500. Any person wishas set forth, to move simultaneously and the same distance, for stopping or reversing the engine. And I also claim transmitting an oscillating motion from the cylinder to the valve lever, F, substantially as described, for the purpose of moving the valves for their ports to meet those of the cylinder transions, and thus cause a quick in-duction and eduction. FEEDING MORTISING MACHINES-R. P. Benton, of Roch-ester, N. Y.: I claim feeding the stuff to be morised to the cutter, b, in the manner substantially as shown, viz., by means of a rotating screw roll, so, operating upon a slide, R, and an adjustable crank, Q, which gives a reciprocating mo-tion to the slide, X, the above parts operating conjointly, as shown, and for the purpose as set forth. [See notice of this machine in No. 11, Vol. 10, Scr. AM.] ing to offer a greater amount of money, that Looms-James Eccles, of Philadelphia, Pa: I claimmov-ing and holding the picker forward in movable shuttle box-es, for the purpose of stopping the shuttle thereby, and cama-ing the picker, after having stopped the shuttle to receile, substantially as described and for the purpose set forth, by the action of the lever, A, and pin, E, or their equivalents. he will not raise 100 per cent. more water than him, will have the privilege of trial in preference to those who wish to offer \$500,]For description of this invention see another page.] HAND RAILS FOR STAFFS—J. M. Bull, of Sidney, Ohio : I claim joining a series of blocks of wood or other mate-rial together, at such angles as will form any circle or curve that may be required, and secure the same together by means of a rod provided with a screw and nut at each end or any other mechanical equivalent, all as represented and for the purpose substantially asspecified. for raising but 75 per cent. The trial is de-COMPOUND CROW BAR-I. J. Coles, of Piermont, N. Y.: I do not claim the combination of the two levers, B C, es such a combination of two levers, B C, the latter having a circular projection, G, on its lower side, with the head block, A, in the manner and for the purposes substan-tially as set forth. MEANS FOR HOLDING WINDOW BLINDS-H. A. Frost, of Worcester, Mass. : I claim the avplication to window blinds of a semi-circular spring rod which may bear upon a wide staple beneath the blind which acts upon it at all times, as described, so that the blind may be retained in any desirable position. sired to take place as soon in April as possible. Mr. Webb desires us to publish his challenge forthree weeks, and receive propositions FOUNTAIN PEN—N. A. Prince, of Brooklyn, N. Y.: First I claim the elastic spring unfixed in the feeding tube, wheth er the said spring be placed under or above the pen, it being So placed that it is made to vibrate by the action of the pen in writing, substantially as described. Second, I claim the under recess formed by inserting the feeding tube in the lower end of the main reservoir tube, the said under recess acting as a receptacle of the ink which re-flows when the point of the pen is turned upward, substan-tially the same as described. and the money or stakes from both parties MARQUETRY-L. F. Groebl, of Philadelphia, Pa. : I claim marquetry described, in which the different pieces of inch is composed, are firmly united at their adjoining ges, so as to secure the advantages described. But I are no claim to the invention of tonguing and grooving, r to forming an ornamental design or style of decoration, making combinations of wood of various forms or colors. [An engraving of Mr. Cole's crow bar was published in No. 9, present Vol. SCI. AM.] We have no time to attend to this matter, and cannot receive propositions or stakes; and FASTERING CENTER BITS-A. W. Streeter, of Shelburne Falls, Mass. : I do not claim the invention of a movable or revolving ring, as a means of operating a bit fastening, the same having been previously employed. But I claim the stationary catch, E, in connection with the cam or bearer, C, for the purposes specified, the whole being combined, arranged, and operated, substantially as set forth. moreover, our opinions are adverse to chal-

LIFTING JACKS-S. G. Jones, of Fitzwater Town, Pa. : I do not claim either of the three parts, A B C, irrespective of their relation and adaptation to each other. I claim the peculiar manner which I combine the main post, A, the sliding piece, B, and the bent lever, C, the ful-crum of the said lever, C, being placed near the lower end of the main post, and its weight point, e, adjustably con-werted with the sliding piece, B, by means of the holes, f, adjustably con-

19 - R

© 1855 SCIENTIFIC AMERICAN, INC