

I claim, the combination of the cutter and affixer, B, sponge, a, a spring feed, and the within-described devices, or their equivalents, through the medium of which the spring feed is "set" on the downward movement of the affixer, as and for the purpose described.

84,224.—FIRE-ARM.—Charles Slotterbek, San Francisco, Cal.  
Antedated May 18, 1868.  
I claim the combination and arrangement of the plate, B, springs, d, i and l, trigger, k, sere, g, and hammer, f, when operated in the manner substantially as shown and described and for the purpose set forth.

84,225.—PROCESS FOR PRINTING IN COLORS.—Hiram F. Smart, Worcester, Mass.  
I claim the mode of printing in colors from a single plate or engraving, substantially as and for the purpose described.

84,226.—REGISTER FOR TIME AND PRICE.—Kilburn Smith, Lowell, Mass.  
I claim, 1st, The circular gauge, F, in combination with the moving dial, A, in the manner and for the purpose set forth.  
2d, The outer flange, H, in combination with the stationary circles of figures and indicating lines for the purpose and substantially as described.  
3d, The pointer stands, E, having each a point, d, when used in combination with the flanges, F or H, and the moving dial, A, or the stationary circular circle between said flanges, for the purposes and in the manner substantially as described.  
4th, The pivoted arm, J, in combination with the dial, I, for the purpose and substantially as described.

84,227.—LATCH.—Albert Spangler, Philadelphia, Pa.  
I claim the sliding face plate, E, with its slots, e' and e", in combination with the loose collar, D, and fixed shank, C, and the sliding spring bolt, F, the said parts being constructed and arranged so as to operate as and for the purpose described.

84,228.—TARGET.—William Stein, Camden, N. J.  
I claim, 1st, The swinging plates or arms, C, C, hinged or pivoted to the rotating frame or disk, B, substantially as herein shown and described, to form a target in which the aim will automatically indicate when it is hit, as set forth.  
2d, The rotating frame or disk, B, carrying the hinged or pivoted plates, C, in combination with the incline, D, F, automatically resetting the plates, C, substantially as herein shown and described.  
3d, The screen, E, having the aperture, g, in combination with the rotating frame, B, and with the plate, C, hinged or pivoted thereto, as set forth.  
4th, An arm, G, with the adjusting screw, H, in combination with the frame or disk, B, of the hinged or pivoted plates or arms, C, of the stationary incline, D, perforated screen, E, and ball arrester, F, all arranged in combination with each other, and made and operating substantially as herein shown and described.

84,229.—MACHINE FOR SHARPENING SAWS.—A. R. Stewart, Douglas Harbor, New Brunswick.  
I claim, 1st, The combination and arrangement of the table, b, adjustable saw rest, n, pivoted arm, c, vertical shaft, d, slotted segment, h, segment, k, and sector slide, m, all constructed and operating substantially as herein described for the purpose specified.  
2d, The adjustable guides, r, r, and the wedges, t, t, connected with the saw rest, combined with the stud, s, and the table, b, constructed, arranged and operating as described.

84,230.—EXCAVATOR.—Barna T. Stowell, Quincy, Ill.  
I claim, 1st, The cutters, m, m, when constructed in the snuous form described and shown, and attached to the rotary cylinder, G, in the manner specified.  
2d, The arrangement of the disk, J, J', connecting bars, M, M, scraping blades, N, N, and snuous cutters, m, m, when the several parts are constructed in the manner described.  
3d, In that class of excavators in which the rotary cutting cylinder operates to move the machine forward in the manner herein described, the arrangement of such cylinder horizontally across the machine in front of an inclined apron, C, so that the cylinder shall cut the dirt and throw it back upon the apron, while at the same time, it draws the machine forward, substantially as described.  
4th, The arrangement of the horizontal rotary cylinder, G, apron, C, wheels, D, D, frame, E, lever, F, and side cutters, P, P, substantially as described.

84,231.—COMBINED RAKE AND HOE.—Henry Thacker, Oneida, N. Y.  
I claim as a new article of manufacture, the combined rake and hoe, cast in one piece, the cross head, A, being sharpened between the times, B, to form a straight cutting edge, as herein described for the purpose specified.

84,232.—BEE HIVE.—J. H. Thurston, Rainsborough, Ohio.  
I claim the slide, b, and lever, c, pivoted in the recesses cut in the partition, h, between the same honey boxes, C, C', said lever extending to the outside of the hive where by the capacity of the opening, l, m, is regulated, or communication closed between the boxes, C, and chamber, a, as herein shown and described for the purpose specified.

84,233.—GUN LOCK.—Michael Tromly, Washington, D. C.  
I claim, 1st, A hammer constructed with the parts, A and B, operating together, substantially as described.  
2d, The combination of said hammer with the nipple, n, and guard, G, in the manner set forth.  
3d, A hammer, constructed with the depression, m, shoulders, l, i, and lip or projecting plate, o, substantially as described.

84,234.—HYDROCARBON BURNER.—Louis Verstraet, Paris, France.  
I claim, 1st, The reservoir, A, constructed with a double casing or wall, and filled in with the absorbent, C, substantially as and for the purposes described.  
2d, Withdrawing the vapor which rises from the petroleum, or other mineral oil or liquid, from the reservoir, preventing thereby its escape into the atmosphere, and the accumulation thereof in the reservoir, substantially as described and for the purposes set forth.  
3d, Collecting and using in the boiler the water produced by the condensation of the vapors, i, the smoke flues, substantially as described.  
4th, Discharging into the furnace and utilizing as fuel the vapors rising from the oil in the reservoir, substantially as shown and described.  
5th, Producing a current of air through the reservoir, in contact with the oil therein, substantially as and for the purposes described.  
6th, The filling, C, in combination with an oil reservoir, substantially as and for the purposes described.  
7th, The air discharge tube, E', closed at its base, having a conical end, perforated at e, and surrounding the closed conical end, tube, E', in such a manner as to leave an annular space, m, between them, and arranged with relation to the air supply pipe, F, and gas pipe, N, as herein described, for the purpose specified.

84,235.—PAPER MAKING MACHINE.—James Viney, Manchester, N. H.  
I claim, 1st, Extracting the water or moisture, to a greater or less extent, from the pulp on the wire cloth or felt apron, on its way to the pressing rollers, by the removal of atmospheric pressure, as described, or in any equivalent manner.  
2d, The adjustable slides, E, on the boxes, A, by which the aperture in the top of the boxes is made to correspond with the width of the paper, substantially as described.

84,236.—MACHINE FOR PICKING WOOL.—Wm. Wadsworth and E. H. Semple, St. Louis, Mo.  
We claim the combination of the cleansing cylinder, B, roller, C, arranged in adjustable bearing boxes, c3, and having radial arms, C, and brushes, c1, c2, the slide, F, and slotted foot, F', all constructed, arranged, and operating as and for the purposes set forth.

84,237.—WIND WHEEL.—R. Waite, Blue Earth City, Minn.  
I claim the wind wheel constructed as described, of the case, A, having the flanges, B, C, the draft regulator, D, horizontal shaft, G, and the spiral wind wheel, E, having a variable diameter and pitch, all arranged and operating as described, for the purpose specified.

84,238.—CULTIVATOR.—Thomas Waite, Plymouth, Ohio.  
I claim the side beams, C, when provided with slots, D, for the insertion and adjustment of the standards, E, in combination with the beam, A, for the purpose set forth.

84,239.—STEAM WHISTLE.—Bernhard Weinmann, Cincinnati, Ohio.  
I claim, 1st, The adjustable piston, E, arranged in the upper end of a steam whistle, substantially as herein shown and described.  
2d, A steam whistle consisting of the tube, A, plug, B, which has the stem, d, head, e, and the adjustable piston, E, all constructed substantially as herein shown and described.

84,240.—SPRING BUT.—William Wells, Ashtabula, Ohio.  
I claim the pawl, i, and the ratchet teeth, h, when arranged substantially as and for the purposes herein shown and described.

84,241.—DESICCATED COCOANUT.—Giles B. Williams (assignor to Elisha M. Allen), New York City.  
I claim an improved article of confection consisting of desiccated cocoanut meat combined with sugar and the bicarbonate of soda, substantially as set forth.

84,242.—FROTH ARRESTER FOR BEER GLASSES.—Johann Winkler, Hadsor City, N. J.  
I claim the oval froth arrester, A, provided with a notch, b, and arranged substantially as and for the purpose described.

84,243.—ELECTRO-PLATING.—Justin P. Woodworth, Brooklyn, N. Y.  
I claim the method substantially as set forth, of depositing different thicknesses of plating or metallic coating on different portions of an article at one operation, by obstructing and directing the electric bath in its passage between the two poles, substantially as described.  
Also, the rack holder, B, J, or its equivalent, for holding the articles to be plated properly, and for receiving and adjusting by suitable means the said obstructing device, substantially in the manner described.

84,244.—BEER COOLER.—John Yates and Edgar Deuell, Brooklyn, N. Y.  
We claim, 1st, Connecting the ends of the pipes or tubes, A, by means of boxes, C, divided into compartments by means of partitions, a, the ends of the pipes or tubes passing through suitable standards or plates, B, into the compartments of said boxes, substantially as shown and described.  
2d, The closure series of pipes or tubes, A, by means of doors, E, E', hinged to one of the boxes, C, substantially as and for the purpose herein set forth.

84,245.—MANUFACTURING BOOTS AND SHOES.—August Mastory, New York City.  
I claim the within described method of manufacturing boots and shoes, that is to say, securing the insole by a stitch whose parts are twisted and crossed in or at each awl hole, substantially as and for the purpose herein described and represented.

84,246.—MACHINE FOR THE MANUFACTURE OF PAPER BOXES.—Richard Smith, Sherbrooke, Canada.  
I claim, 1st, A plunger so constructed as automatically to admit air beneath its lower end previous to its withdrawal from the cavity of the completed box or other hollow article, substantially in the manner and for the purpose set forth.  
2d, The formation of the sides of the box by the sudden displacement of

the pulp in the mold, by the introduction of the plunger into it by a quick motion, substantially in the manner described.

36, The combination and arrangement of the piston packing, r, air passage c, and valve, v, in the manner and for the purpose specified.

4th, Discharging the completed box or other hollow article from the bottom of the mold, substantially as set forth.

5th, The ends, d, made with movable bottoms and permanent perforated linings, a, distinguished from removable linings, substantially in the manner specified.

6th, The ways, W, in combination with the common bed plate of the molds, H, H', for the purpose of allowing the latter to have a reciprocating movement to bring the molds alternately beneath the plunger, in the manner and for the purpose described.

7th, Forming a box or other hollow article from pulp, by forcing a plunger down into the mold containing the pulp of which the box or other article is to be made, as set forth.

REISSUES.

65,794.—MACHINE FOR FILLING CYLINDRICAL MOLDS FOR RUBBER GOODS.—Dated June 18, 1867; reissue 3,198.—John W. Cobb, Melrose, (for himself), and Edwin A. Hill, (assignee of John W. Cobb), Quincy, Mass.  
We claim the combination of a molding cylinder, M, and a grinding roller, R, substantially as described, and mechanism for revolving the two at different speeds, as and for the purpose explained.  
Also, the combination of the pressure roller, S, the molding cylinder, M, and a grinding roller, R, substantially as described, and mechanism for revolving the molding cylinder and grinding roller at different speeds, as and for the purpose specified, the pressure roller having applied to it mechanism for revolving it at the same speed with the molding cylinder.

19,855.—ICE PITCHER.—Dated April 6, 1858; reissue 3,194.  
—Henry Reed, George Ingraham and Henry H. Fish (trading as "Reed & Barton"), Taunton, Mass., assignees of Ernest Kaufman.  
We claim, 1st, An ice pitcher having an detachable and removable lining, and a continuous or unbroken outer wall and bottom, when so constructed that the lining can be attached or removed through the top of the pitcher.  
2d, The ice pitcher having the inner portion or lining, B, fitted to the outer portion or casing, A, with screw threads, or their equivalents, which make a tight joint, but provide for its ready removal and renewal, and replacement or renewal, as set forth.

70,272.—MODE OF LIGHTING STREET GAS BURNERS.—Dated October 29, 1867; reissue 3,195.—E. P. Russell (for himself) and Porter Tremain, (assignee of E. P. Russell), Manlius, N. Y.  
I claim a small supplemental burner, A, to be kept burning constantly, and the pipe leading thereto, when operating in connection with a main burner, substantially as and for the purposes set forth.

37,469.—MACHINE FOR STIRRING LARD.—Dated January 20, 1863; reissue 3,196.—William J. Wilcox, New York, N. Y.  
I claim, 1st, The employment or use, for the purpose of stirring lard, of perforated or slotted dashers, E, E', attached to staves, F, F', which are secured to reciprocating rods or bars, U, U', moving in opposite directions, and all constructed and operated substantially in the manner herein shown and described; and also, the last above-mentioned parts, in combination with said tank, constructed, and operated substantially as above described.  
2d, The combination of two or more dashers, moving backward and forward in the tank, in opposite directions to each other, substantially as described for the purpose set forth.

36,159.—SEEDING MACHINE.—Dated August 12, 1862; reissue 3,197.—Division A.—William M. Jones and P. W. Hall, Horicon, Wis., assignees of George W. Jones and S. E. Tyler.  
We claim, 1st, The chamber or recess, n, formed on the inside of the cap, K, and located between the seed opening in front of the cap, to allow the edges of the buckets or partitions to pass up under the cap without injuring the seed, substantially as described.  
2d, Forming and arranging the cap, so that a space shall be left at the rear for the escape of air from the seed box, and so arranged and fitted as to cause the seed to roll or slide over their edges, substantially as described.

15,659.—HARVESTING MACHINE.—Dated September 2, 1856; reissue 613, dated March 15, 1859; reissue 3,198.—Division A.—William A. Kirby, Auburn, N. Y.  
I claim, 1st, The combination of the single plate, H, with the main wheel, substantially as and for the purpose described.  
2d, Also the combination of the main wheel, K, single plate, H, and rim, L, when connected together and operating in the manner and for the purpose set forth.  
3d, Also, placing a vibrating wheel on the outside of the main frame, or so that the outside of said frame does not bear on the outside of the wheel, in combination with the triangular shaped frame on the inside of the wheel, substantially as described.  
4th, Also, hinging the seat to the plate, H, and to the standard, S, in the manner and for the purpose set forth.  
5th, Also, a hinged lever seat, on the outside supporter therefor in combination with a wheel having no outside frame or support, substantially as herein represented.  
6th, Also, in a harvesting machine, having no outside supports to the driving wheel, attaching a support for the driver's seat to the outer end of the axle of said wheel, substantially as described.  
7th, Also, having the driving frame in two parts, and hinged together around the box containing the plunger shaft at one point, the plate, segment, and holding mechanism, at another point, for sustaining and holding the frame at any desired height, substantially as described.

15,659.—HARVESTING MACHINE.—Dated September 2, 1856; reissue 673, dated March 15, 1859; reissue 3,199.—Division B.—William A. Kirby, Auburn, N. Y.  
I claim, 1st, In a harvesting machine, with its frame wholly on one side of the driving wheel, and the driving wheel having no outside support, a foot support for the driver on the side of the wheel opposite the frame, substantially as described.  
2d, Also, in a harvesting machine with a frame wholly on one side of the driving wheel, and said driving wheel having no outside support, the making of the frame in two parts, one of which supports the driving wheel and a portion of the gearing, and the other part carries the other portion of the gearing, and forming a projection on one part of the frame around the plunger shaft, and a corresponding opening in the other part, which will pass over and around said projection, thus forming a joint, the center of which is coincident with the center of the plunger shaft, for the purpose of holding their gearing in position longitudinally, substantially as described.  
3d, Also, in a harvesting machine, having its frame in two parts, one of which supports the driving wheel and a portion of the gearing, and the other part carries the other part or portion of the gearing, and joined together by the projection on one and the opening in the other, as described, the use of the lug, flange, or guide, a, on one part of the frame, and a corresponding recess, n, on the other part thereof, in which said lug, flange, or guide works, for the purpose of holding the two parts, with their gearing in position laterally, so as to prevent motion to either side, substantially as described.

64,554.—FRICTION PAWL.—Dated May 7, 1867; reissue 3,200  
—Jos. Moore San Francisco, Cal.  
I claim an improvement in hoisting apparatus, a pulley, which shall be on the one hand, under the control of a brake, bearing upon its outer surface and, on the other hand, connected with the shaft by the pawl and ratchet device, or its equivalent, within the pulley, substantially in the manner and for the purpose set forth.

64,139.—MANUFACTURE OF STARCH SUGAR.—Dated April 23, 1867; reissue 3,201.—Narcisse Pigeon, Brooklyn, N. Y.  
I claim, 1st, The within-described process of manufacturing a pure sirup, and crystallizable sugar sirup, from prepared fecula, cellulose, or other similar material by means of the following steps, and substantially as described, and by treating the matter so as to convert the whole dextrine, cellulose &c., into crystallizable sugar sirup, substantially in the manner above described.  
2d, The within-described process of manufacturing a hard crystallized sugar from fecula, or other similar substances, substantially as herein set forth.  
3d, The above-described part of my process, which consists in treating the sirup of any acid, by the double neutralization, substantially in the manner above described.

50,016.—WEATHER STRIP FOR DOORS AND WINDOWS.—Dated Sept. 19, 1865; reissue 3,202.—Benjamin B. Savary, Boston, and Frederick O. Raymond, Haverhill, Mass., assignees, by mesne assignments of Isaac F. A. Lynch.  
We claim, 1st, A weather strip, composed of two strips or pieces of wood and an interposed projecting strip of vulcanized rubber, or equivalent elastic material, united by tacks, or otherwise, substantially as herein set forth.  
2d, The employment, with the weather strip of otherwise ordinary or suitable construction, of vulcanized rubber, held in and arranged to project from face of weather strip in contact with the door or other part to which said strip is affixed, substantially as and for the purposes herein set forth.  
3d, The improved weather strip, as made with the strip of elastic material or vulcanized rubber, or its equivalent, on the two faces of the divided holder or molding, a, b, substantially in the manner shown, and described.  
4th, The combination with the elastic strip, projecting from the rear face of the molding, as described, of the rebate, d, made in the molding, and arranged with relation to the said elastic strip, substantially as specified.

56,457.—MACHINE FOR POLISHING ENAMELED PAPER.—Dated July 17, 1866; reissue 3,203.—Samuel Shepherd and Joseph Greeley, Nassau, N. H., assignees, by mesne assignments, of Samuel Shepherd and Anna M. Greeley.  
We claim, 1st, The combination of a rotary polishing device with an endless carrying device, moving at a lower velocity than the polishing device, and supporting table, bed, or ways to the carrying device, substantially as herein set forth, for the purpose specified.  
2d, The combination, with an endless carrying device to the paper or other material, to be operated on, of a polishing device, arranged to reciprocate across the line or lane of feed, substantially as specified.  
3d, Providing an elastic bearing for the paper or material under the rotary polishing device, by making either the endless carrying device, or support upon which it rests, elastic, substantially as herein set forth.  
4th, Giving the rotary polishing device a reciprocating movement transverse to the feed, as produced by the endless carrying device, simultaneously with its rotary motion, substantially as herein set forth, for the purpose specified.  
5th, The pressing plate, T, applied in relation with the rotary polishing device, and endless carrying device, and support or ways to the latter, substantially as herein set forth, for the purpose specified.

DESIGNS.

3,236.—PRINTERS' TYPE.—David Bruce, Brooklyn, N. Y., assignor to David Wolfe Bruce, New York City.  
3,237.—RAY SHADED PRINTERS' TYPE.—David Wolfe Bruce, New York City.  
3,238.—CLOCK CASE.—Paschal Converse, New Haven, Conn.

3,239.—COACH LAMP GLASS.—James H. Downs, (assignor to C. Cowles & Co.), New Haven, Conn.  
3,240.—COACH LAMP.—James H. Downs, (assignor to C. Cowles & Co.), New Haven Conn.  
3,241.—CARPET PATTERN.—Israel Foster, Philadelphia, Pa.  
3,242.—CARPET PATTERN.—Israel Foster, Philadelphia, Pa. Two Patents.  
3,243.—FRUIT JAR.—Alonzo French, Philadelphia, Pa.  
3,244.—ORNAMENTAL TYPE FOR PRINTERS.—Julius Herriet, (assignor to David Wolfe Bruce), New York City.  
3,245.—ORNAMENTED PRINTERS' TYPE.—Julius Herriet (assignor to David Wolfe Bruce), New York City.  
3,246.—SCALE DISH.—John W. Kissam, New York City.  
3,247.—LADIES' COLLARS AND CUFFS.—Robert Macdonald, New York City.  
3,248.—FLOOR CLOTH PATTERN.—Charles T. Meyer, Bergen, N. J., assignor to Edward C. Sampson, New York City.  
3,249.—CLOCK CASE.—Carl Muller, New York City.  
3,250.—PRINTERS' FLOURISHES.—Conrad Reuter, Cincinnati, Ohio.  
3,251.—TRADE MARK.—Edgar A. Robbins, Wrentham, Mass.  
3,252.—CUSPADORE.—Samuel Roebuck, and John Roebuck, New York City.  
3,253.—CLOCK CASE.—Solomon C. Spring (assignor to Welch, Spring & Company), Bristol, Conn.  
3,254.—TRADE MARK.—David W. Storer, Bangor, Me.  
3,255.—HARNES TRIMMINGS.—Charles M. Theberath, and Jacob H. Theberath, Newark, N. J.  
3,256.—BRANCH OF A GASOLIER.—James Frederic Travis, New York City.  
3,257.—TRADE MARK.—Edwin H. Turner, Quincy, Ill.  
3,258.—TRADE MARK.—Michael Werk, Cincinnati, Ohio.  
3,259.—STEAM BOILER PUMP.—Leonard Eggleston (assignor to Rumsey & Company), Seneca Falls, N. Y.  
3,260.—TRADE MARK.—D. Foerster, Zanesville, O.  
3,262.—STANDARDS OF A SCHOOL DESK.—Calvin W. Sherwood, Chicago, Ill.

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