

at one end of its shaft resting on and driven by said disc, a powder vessel arranged to receive the powder sifted through said screen, and a stirrer in said vessel for agitating the powder therein and expelling it from the outlet thereof. 33rd. The combination, of a mixer, a powder vessel, a powder hopper, a revolving screen into which powder is fed from said hopper, arranged to discharge coarse particles from its lower end into said mixer, and a chute receiving the powder sifted through said screen and conducting it into said powder vessel. 34th. The combination, of a mixer, the revolving shaft thereof carrying a disc, a revolving screen having a friction wheel at one end of its shaft resting on and driven by said disc, a powder vessel receiving the powder sifted through said screen, and an adjustable frame for supporting the receiving end of said screen adjustable to varying heights to vary the inclination of the screen. 35th. In a pill machine, the combination, to form a powder sprinkler, of a powder vessel having an outlet opening therefrom, an adjusting device for varying the area of said opening, and a stirrer in said vessel for agitating the powder and causing it to flow out through said opening. 36th. The combination, with a pill machine, of a chute arranged to receive the pills as they are delivered therefrom and means for adjusting said chute to varying angles whereby it serves to separate the imperfect from the perfect pills. 37th. The combination, with a pill machine, of a chute arranged to receive the pills as they are delivered therefrom constructed with a dividing partition, and an adjustable gate movable to direct the pills to either side of said partition.

#### No. 40,503. Machine for Making Nails.

(*Machine pour faire le clou.*)

John B. Hastings, Parkersburg, West Virginia, U. S. A., and Henry Eldridge, Wesley G. Reid, and Isaac J. Lawrence, all of Toronto, Ontario, Canada, 1st October, 1892; 6 years.

*Claim.*—1st. In a nail machine, the combination, with the sliding tool boxes, the push rod, and anti friction rollers mounted in the ends of said rollers, having slots extending lengthwise of the push rods, and bolts passing through said slots and securing said blocks to the push rods, whereby the said blocks may be adjusted transversely of the tool boxes, substantially as set forth. 2nd. In a nail machine, the combination, with the sliding tool boxes having anti friction rollers and the push rods, of the cam blocks adapted to engage said rollers, having slotted flanges, and bolts passing through said blocks, and securing said blocks to said push rods, said cam blocks being adjustable transversely of the tool boxes, substantially as set forth. 3rd. In a nail machine, the combination, with the push rods, and the tool boxes mounted at an angle thereto and having anti-friction rollers, of the cam blocks adjustable lengthwise of the push rods, and having the lateral flanges 24 fitting on, the tops and the backs of the inclined portions 23 fitting against the sides of the said push rods, substantially as set forth. 4th. In a nail machine, the combination, with the bed 11 having ways, of the sliding tool boxes located in said ways, and having open top cavities or sockets, the tools or dies fitting in said sockets and being flush with the upper faces of said boxes, and the cap plate secured to said bed and fitting down upon said boxes and tools for holding the boxes in the ways and the tools in their sockets, substantially as set forth. 5th. In a nail machine, the combination, with a pedestal having a socket, of a slide fitting in said socket and having a pivot pin or bolt, a sleeve on said pivot having a flange resting on the pedestal, the feed lever pivoted on said sleeve and having a slot in its outer end, a tap for locking the slide in its socket, the bed 4 having a guide way, the connecting rod 92 fitting in said guide way, and a bolt passing through said rod and the slot in the end of the feed lever, substantially as set forth. 6th. In a nail machine, the combination of the bed 11, having the socket 98, the guide sleeve 99, fitting snugly in said socket so as to be capable of vertical movement only, and having a flange on its outer end resting against the side of said bed, and a set screw threaded in said sleeve, said screw having a flange or collar for locking it against movement in one direction and jam nuts for locking it against movement in opposite direction, substantially as set forth. 7th. In a nail machine, the combination, with the pointers and grippers, and a cam 51, of the partition 12, arranged between said pointers and grippers and having a passage for the wire, and the slot 75 for the exit of the nail, the pivoted knockout lever having the finger 70, and the nose 69 resting on the cam, substantially as set forth.

#### No. 40,504. Fare Collector. (*Récepteur de billets.*)

Brownlee W. Taylor, assignee of Arthur Wellesley Berne, all of New Orleans, Louisiana, U.S.A., 1st October, 1892; 6 years.

*Claim.*—1st. In a fare collector such as described, a fare case with a spring plate adjusted in the lower portion of same, said spring being controlled by a lug and bolt, with an opening H, in combination with a slide adjusted to a fare receptacle for the purpose set forth. 2nd. In a fare collector such as described, a slide for a fare receptacle with slots therein for receiving lugs and bolt, in combination with a fare case, as set forth. 3rd. In a fare collector such as described, the combination of a slide for a fare receptacle, with a lock trap placed therein, said lock trap being provided with a lever for raising and lowering same, a slide in said lock trap for the action of said lever, and a slot in said slide for a lug on said lock trap to work in for locking a bag or fare receptacle from the fare case, as set forth.

#### No. 40,505. Lifter for Halter Weights.

(*Appareil pour lever les poids de licou.*)

Walter Scott Ritchie and Robert Wesley Pearce, assignees of James W. McHenry, all of Aspen, Colorado, U.S.A., 1st October, 1892; 6 years.

*Claim.*—1st. The combination with a vertically swinging lever having a vertically movable weight connected with its lower end, of a rein operated catch lever having a catch engaging the upper or forward end of the first named lever and provided with an upward projecting rein holder, whereby when the reins are placed in the holder and the animal moves forward the weight will be released, substantially as set forth. 2nd. The combination with a vehicle, and a frame suspended from the axle thereof and provided with a sheave, of an angle lever fulcrumed on the bottom of the vehicle body, a weight, a cord secured to the weight, passed over the sheave of the frame, and connected to one member of the angle lever, and a pivoted catch lever having a forked end engaging one member of the angle lever, substantially as herein shown and described. 3rd. In a weight lifting attachment for vehicles, the combination of the conical frame B, attached to the axle and provided with a sheave *b*, the lever D, having offset end *f*, the cord *d*, attached to the lever and to the weight E, and the rock shaft F, provided with the forked arm G and catch *g*, engaging the end *f* of the lever D, substantially as specified.

#### No. 40,506. Printer's Galley. (*Galée.*)

Chester Horne, Joseph J. Davies and Samuel E. Horne, all of Toronto, Ontario, Canada, 1st October, 1892; 6 years.

*Claim.*—1st. A printer's galley consisting of a skeleton frame having a vertical portion C, and a base *e* extending at right angles therefrom, and a plate or frame having its sides and end turned up around the base plate to inclose the skeleton frame, the parts being secured together substantially as described. 2nd. In a printer's galley, a side stick having connected to it a set of blocks with inclined faces having dovetail tongues formed in the side to fit into corresponding grooves in a reversely inclined side of the set of the blocks secured to the adjusting slide, in combination with the grooved bar, L-shaped piece attached to the side stick and stop, substantially as and for the purpose specified.

#### No. 40,507. Meat Tenderer. (*Pilon à viande.*)

Oscar M. Arnold and James M. Talkington, both of Searcy, Arkansas, U.S.A., 1st October, 1892; 6 years.

*Claim.*—In a meat tenderer, the combination of a base, standards rising from opposite sides of the base and provided at their upper ends with horizontal grooved bearing slots, shafts geared together and journaled in the slots, the corrugated rolls mounted on the shafts, the bearing blocks arranged in the bearing slots and provided on their upper and lower faces with lugs fitting in the grooves thereof and having lateral extensions projecting outward beyond the standards, the springs arranged on the outer faces of the standards, and engaging the lateral extensions of the bearing blocks, and the adjusting screws engaging the springs, substantially as described.

#### No. 40,508. Wrench. (*Clé à écrou.*)

Henry Bornstein, Boston, Massachusetts, U.S.A., 1st October, 1892; 6 years.

*Claim.*—1st. In a wrench, an upper jaw having a shank movable in the lower jaw and having a screw threaded spindle adapted to work in an interior screw thread of the handle, combined with a lower jaw having a sleeve inclosing the working parts of the wrench and having an interior screw thread in its lower end and a screw threaded handle working in such screw thread, substantially as and for the purpose set forth. 2nd. In a wrench, an upper jaw having a shank movable in the lower jaw and having a screw threaded spindle adapted to work in an interior screw thread of the handle, combined with a lower jaw having a sleeve inclosing the working parts of the wrench, a stop projection secured to said sleeve and an interior screw thread in the lower end of the latter, and a screw threaded handle working in the screw threaded sleeve, substantially as and for the purpose set forth. 3rd. In a wrench, an upper jaw having a shank movable in the lower jaw, and having a screw threaded spindle adapted to work in an interior screw thread of the handle, combined with a lower jaw having a sleeve inclosing the working part of the wrench, an interior screw thread in the lower part of said sleeve, a screw threaded handle and a cup shaped cheek nut having a pin or projection adapted to work in a recess or cut-away part on the lower end of the inclosing sleeve, substantially as and for the purpose set forth. 4th. In a wrench, an upper jaw having a shank movable in the lower jaw, and having a screw threaded spindle adapted to work in an interior screw thread of the handle combined with a lower jaw having an interior screw thread in its lower end, a screw threaded handle working therein and a spring pressed plug or bolt arranged in a recess in the lower jaw and adapted to bear against the shank of the upper jaw, substantially as and for the purpose set forth.