

posed of a single piece, having a curved inwardly-extending slot in one edge and having the part of one side of said slot shaped to fit a part corresponding to the quarter and located on the opposite side and at one end of the upper, substantially as described.

### No. 36,266. Apparatus for Baking by Steam.

(Appareil pour cuire à la vapeur.)

Edward Mousseau, Hull, Quebec, Canada, 1st April, 1891; 5 years.

*Claim.*—In a baking oven, the combination of a casing A, enclosing a suitable cavity accessible by doors, a series of circulating steam pipes C, disposed in tiers in said cavity, supported by bearers and provided with flow and return pipes, and floors F, carried upon said pipes, substantially as set forth.

### No. 36,267. Reclining Chair. (Siège pliant.)

Charles H. Pew, Jamestown, New York, U.S.A., 1st April, 1891; 5 years.

*Claim.*—1st. The combination of the rigid frame, of a chair-seat, standards secured thereto adjacent to the front thereof, a back pivoted to said frame adjacent to the rear end thereof, a rod pivoted to each standard and provided with teeth on the top and bottom thereof, a forked rod having teeth on the inner side of the arms of said rod, and means, substantially as described, for releasing the toothed rods from engagement, substantially as set forth. 2nd. The combination of the rigid frame of a chair, a back pivoted to said frame, a forked rod pivoted to said back and having teeth on the inner side of the arms of said rod, a rod *e*, pivoted to the chair frame and provided with teeth on the top and bottom thereof, and an arm G, having a secondary arm G<sup>2</sup>, provided with means, as set forth, for releasing the toothed rods from engagement, substantially as described. 3rd. The combination of the rigid frame of a chair, seat bars H, pivoted thereto, and connected at the rear thereof, and a foot rest pivoted to the forward end of said bars, said rest consisting of a board *i*, standards *k*, and rods *l*, substantially as and for the purpose hereinbefore set forth.

### No. 36,268. Window Blind Attachment.

(Store de fenêtre.)

John Alvin Edes, Lawrence, Massachusetts, U.S.A., 1st April, 1891; 5 years.

*Claim.*—In a window-blind attachment, the rod H, having its outer end bent downwardly and laterally, and its inner end provided with the knob E, in combination with the casing A, escutcheons G, the blind B, and link K, having the slot *b*, and loop *p*, and the catch L, secured to said blind, substantially as set forth.

### No. 36,269. Extractor for Honey.

(Appareil pour extraire le miel.)

Albert Redfield Seaman, Connellsville, Pennsylvania, U.S.A., 1st April, 1891; 5 years.

*Claim.*—1st. The combination, with the sway-pole having its lower end retained in a socket, and its upper end connected with a swinging arm, of the horizontal arm connected with the pole near its upper end, and a honey-pan suspended from the said arm, substantially as shown and described. 2nd. The combination, with the upright sway-pole having its lower end in a socket, of the fixed pin C, depending from the ceiling, the horizontal arm pivoted at one of its ends upon said pin, and its opposite end pivotally connected with the upper end of the sway-pole, the adjustable horizontal arm connected with the pole near its upper end, the double hooks adjustable on said arm, and a honey-pan having a bail suspended from said hooks, substantially as and for the purpose specified.

### No. 36,270. Steam Engine. (Machine à vapeur.)

Charles Campbell Carlyle, Chatham, Ontario, Canada, 1st April, 1891; 5 years.

*Claim.*—1st. In a slide valve engine, a driving wheel having an extra rim mounted rotatively upon the rim of the wheel, and provided with means to prevent separation laterally and yieldingly connected by a spiral spring so that each may rotate within certain limits independently of the other, an eccentric keyed upon the crank shaft having mounted upon it another eccentric carrying the eccentric strap, and carrying an arm with stud, and means of clamping and adjustably connected by means of a slotted link to an arm on the loose rim, substantially as set forth. 2nd. The combination of the crank shaft A, wheel B, mounted and keyed upon said shaft and having a groove *b*, rim B<sup>1</sup>, mounted rotatively upon the rim of the wheel B, and overhanging the same and provided with screw studs *b*<sup>1</sup>, extending into the groove *b*, a rod B<sup>2</sup>, secured at one end to the inner face of the rim B<sup>1</sup>, and passing at the other through an eyed lug secured to the edge of the rim of the wheel B, a spring B<sup>3</sup>, coiled upon said rod and extending from the fast end to said guide lug an eccentric C, mounted upon another C<sup>1</sup>, keyed upon the shaft, an arm C<sup>2</sup>, secured to said eccentric and provided at the end with a stud, and means of clamping the arm C<sup>2</sup>, secured to the rim B<sup>1</sup>, and provided with a stud, and means of clamping and the slotted link C<sup>3</sup>, adjustably connecting said arms, substantially as set forth. 3rd. The combination of the crank shaft A, wheel B, mounted on said shaft and having in its rim a groove *b*, rim B<sup>1</sup>, mounted rotatively upon the rim of the wheel B, and having screw studs *b*<sup>1</sup>, projecting into the groove *b*, rod B<sup>2</sup>, curved concentric with said wheel rims, and having one end secured to the rim B<sup>1</sup>, and the other end passing through an eyed lug secured to the rim of the wheel B, and a spring B<sup>3</sup>, coiled

upon said rod and extending between its fast end and the guide lug, substantially as set forth. 4th. The combination of the wheel rim B<sup>1</sup>, the inwardly projecting radial arm C<sup>2</sup>, secured to said rim and provided with stud and means of clamping the eccentric C, mounted upon another eccentric, and an eccentric C<sup>1</sup>, keyed upon the crank shaft and carrying the eccentric C, arm C<sup>2</sup>, radially secured to said eccentric C, and provided with stud and means of clamping and the slotted link C<sup>3</sup>, connecting said arms, substantially as set forth.

### No. 36,271. Jack for Lifting. (Cric.)

Frederick Fischer, Newark, New Jersey, U.S.A., 1st April, 1891; 5 years.

*Claim.*—1st. In a lifting jack, the combination, with a hollow base, a lifting screw provided with a step, a turn-table on the upper side of said base, a cup-shaped sleeve, arranged on a shoulder on said base provided with one or more set screws, a nut working on said screw and provided with teeth which are entirely protected by said cup-shaped sleeve, gear mechanism for operating said nut, and a protecting plate provided with a lip, as and for the purposes set forth. 2nd. In a lifting jack, the combination of a hollow base, a lifting screw, a turn-table upon the upper part of said base, a sleeve surrounding the base and provided with one or more set screws as set forth, and means for raising and lowering said lifting screw, as and for the purposes set forth. 3rd. In a lifting jack, the combination of a hollow base, a lifting screw, a turn-table upon the upper part of said base, a sleeve surrounding said table provided with one or more set screws, as set forth, a nut on said screw provided with teeth on its under side, a gear *e*, meshing therewith, gears *e*<sup>1</sup>, and *e*<sup>2</sup>, and plate *f*, all of said parts being arranged as and for the purpose set forth.

### No. 36,272. Car Coupler. (Attelage de chars.)

Thomas Herman Walsh, of Montreal, Quebec, Canada, 1st April, 1891; 5 years.

*Claim.*—1st. A draw-bar for coupling cars, having a closed head hooked on a horizontal plane and adapted to lock, and downwardly projecting side guards formed in one with said draw bar, for the purpose set forth. 2nd. A draw-bar for coupling cars, having a closed head hooked on a horizontal plane and adapted to lock, and downwardly projecting side guards formed in one with said draw bar and containing buffing faces, as set forth. 3rd. In a car-coupler, the combination, with a main recessed draw-bar having a head formed in one with it and hooked on a horizontal plane, of an auxiliary draw-bar arranged within said main draw-bar, and means for holding same together, as set forth. 4th. In a car-coupler, the combination, with a main recessed draw-bar having a head hooked on a horizontal plane, of an auxiliary draw-bar arranged to slide within said main draw-bar and having a head hooked in a vertical plane, and means for holding such draw-bars together, as set forth. 5th. In a car-coupler, the combination, with a main recessed draw-bar having a head formed in one with it and hooked on a horizontal plane, of an auxiliary draw-bar arranged to slide within said main draw-bar and having a chambered head with pin hole, and means for holding such draw-bars together, as set forth. 6th. In a car-coupler, the combination, with a main recessed draw-bar having a head hooked on a horizontal plane of an auxiliary draw-bar arranged to slide within said main draw-bar, and having a hooked projection on its upper side adapted to engage with the hooked lower side of said main draw bar, and means for holding such draw-bars together, as set forth. 7th. In a car-coupler, the combination, with a main recessed draw-bar having a head hooked on a horizontal plane, of an auxiliary draw-bar arranged to slide within said main draw-bar, and having a bevelled projection on its under side adapted to slide over and rest on the usual supporting sling, and means for controlling the movement of such auxiliary bar, as set forth. 8th. In a car-coupler, the combination, with a main draw-bar having a head hooked on a horizontal plane and buffing shoulders, and a cavity open and extending along its bottom for nearly the full length of the draw-bar back from such buffing shoulders and having enlargements on each side, of an auxiliary draw-bar arranged to slide within such cavity and having a leeking head and buffing shoulders, and pin projections working in slots in the sides of said main bar, as set forth.

### No. 36,273. Creamer. (Crémeuse.)

Benjamin Bogman Prentice, Morrisburg, Ontario, Canada, 1st April, 1891; 5 years.

*Claim.*—1st. The combination of the supporting stand A, the rotary tub E, and the removable milk cans G, therein provided with the cocks or valves M, as set forth. 2nd. The combination with the stand A, of the rotary tub E, provided with a cover P, and removable milk cans G, provided with ventilating caps N, and draw-off cocks M, having a screw connection with the cans from the outside of the tub and connecting the tub and cans, as set forth. 3rd. The combination of the stand A, having a center pin or pivot C, and provided with anti-friction rollers D, the tub E, rotating on said frame and bearing on said rollers, the milk cans G, removably attached to the bottom of the tub, and draw-off cocks M, passing through the wall of the tub and screwing into the cans, as and for the purpose set forth.

### No. 36,274. Coupling for Thills.

(Armon de limonière.)

David Ewing, Cobourg, Ontario, Canada, 1st April, 1891; 5 years.

*Claim.*—The combination of the clips B, B<sup>1</sup>, the clip plates C, C<sup>1</sup>, having upwardly projecting brackets E, E<sup>1</sup>, provided with concave sockets F, F<sup>1</sup>, respectively the thill iron G, having semi-spherical lugs J, J<sup>1</sup>, fitting into said concavities, and the coupling bolt L, passing through said concave sockets and thill iron, and provided with a nut M, as set forth.