
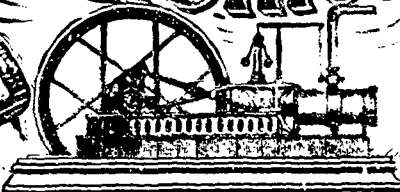


# The Canadian Patent Office

## RECORD

Vol. XVI.—No. 3.

MARCH, 1888.

Price in Canada \$2.50 per An.  
United States - \$2.50

### INVENTIONS PATENTED.

NOTE—Patents are granted for 15 years. The term of years for which the fees have been paid, is given after the date of the patent.

#### No. 28,565. Apparatus for Moulding and Refining Sugar. (*Appareil pour mouler et cristalliser le sucre.*)

Hugh W. Walker and Thomas L. Patterson, Greenock, Scotland, 1st March, 1888. 5 years.

*Claim.*—1st. Apparatus for moulding and refining sugar comprising, in combination, a mould in the form of a truncated cone with an unperforated circumferential shell, a shaft with gear for driving it, and means for placing and holding the mould concentrically thereon, an annular cover through the centre of which the mould can be charged, and with a circumferential outlet closed when charging, and open when draining or drying, and a central cover and inner shell with means for fixing the same in position after charging the mould, the parts being arranged and operating, substantially as herein set forth. 2nd. In combination, a number of flat annular plates having distance projections, and a rotary mould having the plates at right angles to its axis, for the purpose of moulding sugar in flat annular cakes, substantially as herein set forth. 3rd. Means for allowing syrup to escape from a rotary sugar mould having an unperforated circumferential shell, and consisting of spaces between the edges of dividing plates and the shell in combination with an outlet between an annular cover and the edge of the shell, together with a valve in the said outlet, the parts being arranged and operating substantially as herein set forth. 4th. As a valve for an outlet between the edge of the shell of a rotary sugar mould and its cover, a ring or annular lip of rubber opening when subjected to sufficient centrifugal force and closing by its elasticity when not so subjected, substantially as herein set forth.

#### No. 28,566. Door Check. (*Arrête-porte.*)

George H. Lusk, Pomona, Fla., U.S., 1st March, 1888; 5 years.

*Claim.*—1st. In a door or other check, the combination, with a shouldered stud, of a casing, a circular engaging spring contained by said casing, and a core supporting the spring, substantially as described. 2nd. In a door or other check, the combination, with a shouldered stud, of a casing, a circular engaging spring contained by said casing, a core supporting the spring, and projections sustaining the core in a fixed position and allowing the free expansion of the spring, substantially as described. 3rd. In a door or other check, a door knob secured to the door latch and capable of being rotated to unlatch the door having an opening in its face and provided interiorly with an engaging spring, in combination with a shouldered stud to be engaged by said spring in the door knob, substantially as described. 4th. The combination of a split core, projections formed on said core, and a coiled spring loosely enveloping the core and having small coils 2 for grasping the core between the projections 9, substantially as described. 5th. The combination, with a shouldered stud and a casing provided with ribs 7, of a core supporting a coiled engaging spring having projections 8, substantially as described.

#### No. 28,567. Burglar Alarm.

(*Avertisseur d'effraction.*)

Samuel Goulden and Joseph Clarke, Toronto, Ont., 1st March, 1888; 5 years.

*Claim.*—1st. A plate provided with suitable feet and arranged to support a bell and its ringing mechanism, in combination with a longitudinally-sliding bar adjustably connected to the bell mechanism in such a manner that the longitudinal movement of the bar will cause the bell to ring, substantially as and for the purpose specified. 2nd. A plate provided with suitable feet and arranged to support a bell and its ringing mechanism, spring hammers J pivoted upon the plate, in combination with a longitudinally-sliding bar connected to the bell mechanism in such a manner that the longitudinal movement of the bar will cause the bell to ring, a T-bar K connected to the said bar, arranged to strike the spring hammers on the longitudinal movement of the bar, substantially as and for the purpose specified.

3rd. A plate A provided with suitable feet a, a bar B adjustably connected to the said plate, and having a slot b made in it, through which the spindle D projects and is connected to the bar B, by the pin d, as described, in combination with the bell-hammer arm H pivoted at e and operated by the crank-disk G connected to the spindle F, which is geared to the spindle D, deriving motion therefrom upon the longitudinal adjustment of the bar B, substantially as and for the purpose specified. 4th. The plate A, provided with suitable feet a and having pivoted upon it the spring hammers J, in combination with the bar B having attached to it the T-bar K, arranged to strike the spring hammers J upon the longitudinal adjustment of the bar B, substantially as and for the purpose specified.

#### No. 28,568. Oil Well Pump Packer.

(*Garniture de pompe de puits d'huile.*)

James H. Hoskins, Oil Springs, Ont., 1st March, 1888. 5 years.

*Claim.*—1st. The combination, with the pump tube having a spring valve, of a flexible cylindrical bag enclosing the valve, the upper end of the bag closed around the pump tube, and the lower end around a sleeve surrounding the pump tube, and provided with perforated flanges and a perforated ring or flange secured to the pump tube, to open and stop the perforations when the pump tube is rotated, as set forth. 2nd. The mode herein described of packing oil wells, consisting in the attachment of a flexible bag around the pump tube, having an inlet to the bag and inflating said bag through the inlet, by the pressure of liquid in the upper part of the pump tube, as set forth.

#### No. 28,569. Car-Coupler. (*Attelage de chars.*)

George D. Pearson, Robert Cowans, and George E. Drummond, in trust for Drummond McCall and Company, Montreal, Que., 1st March, 1888; 5 years.

*Claim.*—1st. As an improved article of manufacture or construction, a bunter having extensions and bridge-pieces, as described, said bridge-pieces being provided with holes for the introduction of the coupling pin, and with a space between them for the coupling link, said space for the link being situated, as shown and described, in relation to the body of the bunter, so that the link may be placed therein from the back thereof, the whole substantially as described and shown. 2nd. As an improved article of manufacture or construction, a bunter having extensions and bridge-pieces, said bridge-pieces being provided with holes and counter-bore for the reception of the coupling pin and head thereof, and also provided with a space between them for the reception of the coupling link, the said space for the link being relatively so situated, as shown and described, that the said link can be placed therein from the back thereof, furthermore, the said bunter being provided with a recess or opening H, and pivot K passing through the one end of the pawl and attaching the pawl thereby, and with said pawl, the whole substantially as described and shown. 3rd. The combination, in car-couplings, of a bunter body E having extensions F, bridge-pieces I, provided with holes G and having space M situated, as described and shown, relatively so that the link N may be placed therein from the back thereof, the said bunter having the said parts with another bunter similarly constructed, and with pins P and link N, the whole substantially as described and shown. 4th. The combination, in car-couplings, of the bunter body E, extensions F and bridge-pieces I, arranged to form the spaces G, H and M, and the bridge-pieces I, being furthermore provided with the holes G and counter-bore R, the said space M being relatively so situated to the body of the bunter that the link N may be passed and placed therein from the back thereof, pawl L, pivot bolt K, by which the said pawl is attached and pivoted in the space H, one bunter having the said parts with another bunter similarly constructed, and with coupling-pins P, P and link N, the whole substantially as described and shown.

#### No. 28,570. Car Roof. (*Toiture de char.*)

The LeGros Building and Car Roofing Company, (assignee of Alfred P. LeGros), Louisville, Ky., U.S., 1st March, 1888. 5 years.

*Claim.*—1st. The combination of the rabbeted roof boards, the painted canvas folded and fitted into the rabbets, and the canvas or paper strip c fitted in the rabbets beneath the fold of the canvas, as and for the purpose set forth. 2nd. The combination of the rabbeted