

and having a cam-lug F, a plate B, having an eye *b* to support bar A, and a slot *b*₁ for the passage of lug F, and said plate having a case E at its outer end, and a spring G made in Ω -form and held within case E, so as to offer resistance to the lug F, when the bar A is entered into the catch-plate and turned, substantially as herein set forth. 4th. As an improved article of manufacture, a catch for a door-bolt made with its bolt-bar receiving eye formed on a dovetail-shaped plate adapted to be let into the casing, substantially as herein set forth.

No. 22,228. Construction of Lamps for Burning Paraffin, etc. (*Fabrication des Lampes Brûlant la Paraffine, etc.*)

George Rayner, Hackney, Eng., 8th August, 1885; 5 years.

Claim.—1st. The manufacture and use of paraffine lamps having a tube *d* containing a rod *e*, with finger catch *f*, and lip *e*₁ connected with the flaps *b*, *b*₁, or tube *b*₁, sustained by springs *c*, *c*₁, and movable block *h* linked to the chain K, substantially as and for the purposes hereinbefore described and shown on the drawings. 2nd. The combination and arrangement of mechanism for instantaneously extinguishing lamps, substantially as hereinbefore described and shown on the drawings.

No. 22,229. Car-Coupling. (*Accouplage de Chars.*)

Robert Hitchcock, Springfield, Mass., U.S., 8th August, 1885; 5 years.

Claim.—1st. An automatic car-coupler, consisting of a draw-bar hinged at its inner end to the car-body, and having a hook and beveled head at its outer end, a yoke at the end of the car having an upwardly inclined oblique passage through which the body of the draw-bar passes, and a chain and attachments connected to the bar by which the same may be lifted in uncoupling, all in combination, substantially as stated. 2nd. The combination, with the end of a car, of a draw-bar hinged thereto at its inner end, and having a hook and beveled head at its outer end, a yoke attached to the car having an upwardly-inclined passage through which the body of the draw-bar extends, and a projecting guard which extends near the draw-bar to prevent accidental uncoupling, all substantially as described.

No. 22,230. Gate Opening Device.

(*Appareil pour ouvrir les Barrières.*)

Nicholas E. Reesor, Markham, Ont., 8th August, 1885; 5 years.

Claim.—1st. A gate A hinged upon the hollow supports C, connected to the gate-posts D, and through which the vertical spindle E passes, a crank *a* formed on the top end of the said spindle and connected to the movable block or weight F, as described, in combination with the double cranked spindle I connected to the spindle E, substantially as and for the purpose specified. 2nd. A vertical spindle E, located and operated as described, and having a double arm M formed on it, in combination with the spring-latch N connected to the said arm M and arranged to engage with the hasp P, substantially as and for the purpose specified. 3rd. A notched hasp P, arranged as described, and butting against a spring rubber *g*, substantially as and for the purpose specified.

No. 22,231. Clothes Wringer.

(*Essoreuse à Linge.*)

Stainlas Pariseault, St. Jean Baptiste, Que., 10th August, 1885; 5 years.

Claim.—1st. In a clothes wringer, the spring C secured to the block M, having the half-circled ends *b* *b*₁ resting at *c*, *c*₁ on blocks Br, Br, in combination with the frames A, A, beam D, thumb-screws N, N, and upper roller E, as above described and for the purposes set forth. 2nd. In a clothes wringer, the gear wheels J, J, K, K, provided respectively with cogs *n*, *o*, flat spaces *p* and strengthening pieces L in combination with the rollers E, E crank I and frames A, A, as above described and for the purpose set forth. 3rd. In a clothes-wringer, the combination of the spring C, *b*, *b*₁, *c*, *c*₁, gear-wheels J, J, K, K, *n*, *o*, *p*, L, L and crank I, with the frames A, A, blocks M, Br, Br, beam D, and thumb-screws N, N, the whole as above described and for the purpose set forth.

No. 22,232. Milk Can. (*Jatte à Lait.*)

William Sterely, London, Ont., 10th August, 1885; 5 years.

Claim.—1st. The inner band I, in combination with the concave plate B, formed with flanges F, F, body C and band S, the combination of which forms a strong and durable bottom for milk cans, substantially as set forth. 2nd. The inner band I, in combination with the concave plate B, formed with flanges F, F, body C, and bands S, S, soldered and rivetted, or otherwise rigidly secured together, substantially as shown and described and for the purpose set forth.

No. 22,233. Wheel Felly. (*Jante de Roue.*)

Jared Maris, Columbus, Ohio, U.S., 10th August, 1885; 5 years.

Claim.—1st. A wheel rim provided with grooves or mortises therein, and strips of wood material in said grooves or notches, with their grain running in a different direction from the grain of the rim. 2nd. A wheel rim, provided with mortises therein, strips or blocks of material inserted in said mortises, and spoke sockets passing through said strips or blocks, and through, or partly through, the rim. 3rd. A wheel rim provided with grooves or mortises therein, and blocks of veneering inserted in said grooves or mortises, substantially as set forth. 4th. A wheel rim, provided with grooves or mortises therein, and blocks of veneering inserted in said grooves or mortises, substantially as set forth. 4th. A wheel rim provided with grooves or mortises therein, blocks of veneering inserted in said mortises, and spoke sockets passing through said blocks, and through, or partly through, the rim. 5th. A wheel rim provided with a series of trans-

verse mortises, blocks or veneering inserted in said mortises, and spoke sockets passing through said blocks, and through, or partly through, the rim.

No. 22,234. Machine for Holding and Cutting Rolled Paper. (*Machine pour Retenir et Tailler le Papier Roulé.*)

William S. Hunter and William A. Hungerford, Belleville, Ont., 10th August, 1885; 5 years.

Claim.—1st. The frames *a*, having flanges *k*, adapted to slide upon supports *l*, substantially as and for the purpose hereinbefore set forth. 2nd. The combination of the frames *a* and hanger *b*, adapted to carry two rollers *c*, whereby two or more rolls of paper may be cut with the same knife, substantially as and for the purpose hereinbefore set forth. 3rd. The combination of the rolls *d*, slats *f*, knife *g*, and bar *h*, substantially as and for the purpose hereinbefore set forth. 4th. The rolls *d*, slats *f*, knife *g* and bar *h*, in combination with the frames *a*, hangers *b*, flanges *k* and supports *l*, substantially as and for the purpose hereinbefore set forth.

No. 22,235. Horse Shoe. (*Fer à Cheval.*)

The Dundas Spring Horse-Shoe Company, Dundas, Ont., (Assignee of Frederick A. Roe, New York, N.Y., U.S.) 10th August, 1885; 5 years.

Claim.—1st. The combination of plate A, heel and toe calks B, B, C, out of one solid piece of metal without welding, substantially as and for the purpose hereinbefore set forth. 2nd. The combination of the plate A and the clip E, made out of one solid piece of metal, substantially as and for the purpose hereinbefore set forth.

No. 22,236. Hoisting and Conveying Machines. (*Machine à Hisser et Transporter.*)

Alexander E. Brown, Cleveland, Ohio, U.S., 30th August, 1885; 5 years.

Claim.—1st. In combination with the front pier and a cable-tramway, a back pier movable on tracks transversely to the tramway and having located within it, and preferably near the back portion of the base thereof, the hoisting engine and machinery for the purpose of giving to said back pier a capacity to withstand the forward pull on its top part of the cable-tramway, all substantially as hereinbefore described.

No. 22,237. Moulding and Compressing Machine. (*Machine à Mouler et Presser.*)

Joseph A. McFerran, Philadelphia, Penn., U.S., 30th August, 1885; 5 years.

Claim.—1st. The combination, in a machine for moulding pulverized or plastic material, of the die *e*, the intermittently-elevated ejector D, and the intermittently depressed plunger E, part of the upward movement of which is dependent upon the simultaneous ascent with the upward movement of the ejector, substantially as set forth. 2nd. The combination of the lower die *e*, of a machine for moulding pulverized or plastic material, and the ejector D, with the plunger E, carrying the upper die and the lever T₂, adjustably connected to the said plunger, all being combined and operating substantially as specified. 3rd. The combination of the lever T₂, the threaded rod T₃ passing through, and adjustable in the short arm of the lever, and the plunger E connected to the lower end of the adjustable rod, substantially as specified. 4th. The combination of the plunger E, carrying the upper die of the machine for moulding pulverized or plastic material, with the lever T₂, having a short arm connected to the said plunger, and with a crank-pin T₁, carried around the shaft T, and acting on the under side only of the said lever, which is free from control of said crank-pin during the greater portion of the revolution of the latter, substantially as specified. 5th. The combination, in a machine for moulding pulverized or plastic material, of the plunger E, carrying the upper die *m*, and a lever T, having its short arm connected to the said plunger, with the lower die *e*, ejector D, and lever V, and with the shaft T, and crank-pin T₁, carried around with the said shaft, whereby the said levers are operated, the lever T₂ to depress the plunger, and the lever V to raise both the ejector and plunger, substantially as specified. 6th. The combination, in a machine for moulding pulverized or plastic material, carrying a number of dies and an ejector, of the intermittently-operated support and lifter *w*, and a bearing on which it rests during the intermission of its movement, and during the downward movement of the upper die, substantially as specified. 7th. The combination, in a machine for moulding pulverized or plastic material, having an upper die *m*, of the intermittently-rotated die-holder having a number of dies, and each die having an ejector, with a support and lifter *w*, substantially as set forth. 8th. The combination, in a machine for moulding pulverized or plastic material, of the intermittently-rotated die-holder and its ejectors, and an intermittently-operated lever for supporting each injector in succession and for imparting part of the upward movement to each ejector, with a fixed inclined plane *y*, for completing the upward movement of each ejector in succession, during each successive movement of the die-holder, substantially as set forth. 9th. The combination, in a machine for moulding pulverized or plastic material, of an intermittently-rotated die-holder, carrying a number of dies, and an ejector for each die, with a vertically adjustable support *x*, on to which the ejectors fall in succession, with a hopper situated above the said adjustable support for feeding into the die the material to be compressed, substantially as specified. 10th. The combination, in a machine for moulding pulverized or plastic material, of a lower die *e* and an ejector therefor, with a hopper F, and an agitator C, a portion *g*, of which extends to, or nearly to, the edge of the orifice in said die, substantially as set forth. 11th. The combination, in a machine for moulding pulverized or plastic material, of an intermittently-rotated die-holder, having