

No. 9889. Improvements on Mangles.*(Perfectionnements aux calandries)*

Charles Reese, Baltimore, Md., U. S., 26th April, 1879, for 5 years.

Claim.—A mangle, formed of the bed block or box A made with a convex top or face, the upright frames B, the oscillating pressure block D, made with a convex bottom or face, and the roller E.

No. 9890. Improvements on Vehicle Springs.*(Perfectionnements aux ressorts des voitures.)*

William Michael, Harrison, Pa., U. S., 26th April, 1879, for 5 years.

Claim.—1st. The combination with the spring G, of the superposed head block H clipped thereto and cast integrally with the lower section of the fifth wheel, crowning at the centre through the upper section having arms K clipped to the spring bar L, and king bolt M passing through the same. 2nd. In that class of vehicles, in which the body is supported on a combination of semi-elliptical and C shaped springs, the semi-elliptical spring G curved inward at its ends and pivoted within the heads of the C shaped spring F the latter being curved inward, from their heads and secured to the axle in such manner that the combined springs shall have both an outward and downward movement when weight is applied.

No. 9891. Improvements on Envelopes.*(Perfectionnements aux enveloppes)*

William L. Benham, Detroit, Mich., U. S., 26th April, 1879, for 5 years.

Claim.—1st. The bag or envelope A having the central partition B and the single reversible flap C. 2nd. A double pocket envelope or bag provided with a reversible flap. 3rd. In an envelope or bag, the cut-away sides to expose the address upon the body of the partition.

No. 9892. Improvements in Saw Mills.*(Perfectionnements dans les scieries.)*

James A. Tripp and Hartwell M. Bailon, Union-Centre, N. Y., U. S., 26th April, 1879, for 5 years.

Claim.—1st. In combination with the roller blocks E, the anti-friction roller b and connection rod F. 2nd. The combination of the hinged blocks E E, carrying the anti-friction rollers b b and the connection rod F, with the pivoted lever B provided at its outer end with the hook A, the rope h, friction rollers D D, lever C carrying an arm having the slotted bearing d, the cord e and weight g.

No. 9893. Improvements on Bridle Bits.*(Perfectionnements aux mors des brides.)*

David C. Carleton, New-York, U. S., 26th April, 1879, for 5 years.

Claim.—1st. The combination, with the upper jaw bit A and nose-band c, of the strap g connected to c and passing to the crown piece of the bridle; 2nd. In combination with the upper jaw bit A, the strap h passing from the nose-band, at each side, around the lower jaw; 3rd. In a bridle fitted with an upper jaw bit, the runners f attached to the forward billet of the crown piece.

No. 9894. Improvements on Cooking Stoves.*(Perfectionnements aux poêles de cuisine.)*

Theodore H. Roberts, Detroit, Mich., U. S., 26th April, 1879, for 5 years.

Claim.—1st. A reservoir casing C, wherein the reservoir proper E is enclosed, resting upon the flanges a and secured in place by the top G; 2nd. A removable enclosed water reservoir, so constructed that either the reservoir, or reservoir and casing together, can be removed. 3rd. A casing C within which a reservoir E is confined with its front wall cut away, to fit the projection on the rear vertical plate of a cooking stove. 4th. In combination with a cooking stove, provided with a warming closet and a flue extension through the top thereof, an enclosed reservoir, so constructed as to be interchangeable with any pair of boiler holes in the stove.

No. 9895. Improvements in Tuyeres.*(Perfectionnements aux tuyères.)*

John S. Miller, Middletown, Ct., U. S., 26th April, 1879, for 5 years.

Claim.—1st. A tuyere having a wind chest A and, within the same, an axial tube D having its exterior wall inclined toward the discharge opening b of said wind chest, and its bore of equal diameter with said opening at its upper end and increasing in conical form to its lower end or mouth. 2nd. In a tuyere, the combination, with the wind chest having the axial blast opening b and neck B, of the axial tube D, adjustable upon inches in said neck and having its upper exterior wall of conical form converging toward said blast opening.

No. 9896. Composition of Matter to be used Medicinally and as Food. *(Composé médicinal et alimentaire.)*

John L. Johnston, Sherbrooke, Que., 26th April, 1879 (Re-issue of Pat., No. 6104.)

Claim.—A combination of pulverized meat or animal albumen and fibrine or generally the insoluble constituents of animal food, in whole or in part, with extract or essence of meat or beef tea, or generally the soluble constituents of animal food with or without the addition of albumen and gelatine separately prepared.

No. 9897. Improvements on Fare Registers.*(Perfectionnements aux registres à billets.)*

Archibald Hanco (Assignee of William H. Hornum), New York, U. S., 26th April, 1879, for 5 years.

Claim.—1st. The combination, in a fare register, of a registering device, as a arm composed of a bell and hammer, a prime mover common to both and a hammer guard; 2nd. The combination of a cam slot a^o with the prime

mover, the anchor and the escapement wheel which transmits the motion of the prime mover to the registering device. 3rd. The combination, with a full fare, or main registering device, an alarm and prime mover common to both, of a secondary or half fare registering device, and mechanism for throwing this second registering device in or out of gear with the prime mover of the main registering device, and prime mover serving to actuate simultaneously both registering devices, whenever it is coupled to the secondary register. 4th. The combination of a secondary alarm with the coupling mechanism, for throwing the secondary register in gear with the prime mover. 5th. The combination of a locking mechanism with the coupling mechanism which serves to throw the secondary registering device in gear with the prime mover, and the mechanism for automatically releasing said coupling device after one half fare has been registered. 6th. The combination, with the alarm bell and with the prime mover, of a damper which, when the prime mover is in a state of rest, bears against the surface of the bell, and prevents the same from being sounded by external blows, and which is withdrawn by the action of the prime mover at the time the hammer strikes. 7th. The combination, in a fare register, of a registering mechanism adapted to be set to zero at will, another indicator adapted to be moved step by step (entirely independent of the registering mechanism), and so constructed that the said registering mechanism cannot be changed, independent of its actuating mechanism or prime mover, without first moving the indicator one full step. 8th. The combination, in a fare register, of a registering disk or index adapted to be set to zero, at will, by hand, a slide or prime mover for imparting motion to said registering disk or index, a zero guard for arresting the registering disk or index at zero when the same is turned by hand, an indicator adapted to be moved step by step, entirely independent of the registering device and mechanism for locking the prime mover, whenever said indicator is moved one step, and for releasing the prime mover when the registering disk or index is turned to zero, by hand. 9th. The combination, with the independent indicator Q², with the registering disk or index and with the mechanism for locking and unlocking the prime mover, of a trip dial T². 10th. The combination, with the independent indicator Q² of a stop connected to and operated by the mechanism for locking the prime mover, for preventing said indicator from being moved more than one step at a time.

No. 9898. Improvements in Water Turbines.*(Perfectionnements aux turbines hydrauliques.)*

Ashley D. Cole, Toronto, Ont., 26th April, 1879 (Extension of Pat. No. 3370), for 5 years.

No. 9899. Improvement on Cigars. *(Perfectionnement aux cigares.)*

Mona Lesser, Montreal, Que., 29th April, 1879 (Extension of Pat., No. 4760), for 5 years.

No. 9900. Improvement on the Manufacture of Cigars. *(Perfectionnement dans la fabrication des cigares.)*

Mona Lesser, Montreal, Que., 29th April, 1879 (Extension of Pat., No. 4751) for 5 years.

No. 9901. Cramping Machine. *(Serre-joint.)*

Charles E. Wood, Oakville, Ont., 29th April, 1879, for 5 years.

Claim.—The application of cams C C C, shaft F, ratchet wheel and catch c and lever H, in combination with the cramps B B B which are provided with racks, the head and tail blocks D D D E E E.

No. 9902. Improvements on Wheel-barrows.*(Perfectionnements aux brouettes.)*

Holles Clark, Rock Island, Que., 29th April, 1879, for 5 years.

Claim.—1st. The single wheel B, having its axle journaled to the bearings K and placed beneath the forward end of the frame A. 2nd. A single wheeled vehicle, having the wheel B placed beneath the forward end of the frame A, in combination with the frame A and braces h j. 3rd. In combination with a single wheeled wheel barrow having a wheel B, the vertically inclined pieces i carrying, at their upper parts, the end-board C and their lower extremities resting on the bearing K.

No. 9903. Combined Car Brake and Starter.*(Frein et impulseur de wagon combinés.)*

Albert White, Yarmouth, Ont., 29th April, 1879, for 5 years.

Claim.—In a car starter, the bevel wheels B B feathered on axle A and having, ved circular racks B² fitted to their back, and meshing into toothed segments L having shafts F f, in combination with bevel wheel C, on shaft K, 2nd. The movable hollow cone K sliding on shaft H, lever T attached to belt y and connected with springs I I by chains J J.

No. 9904. Improvements on Carriage Dashes.*(Perfectionnements aux garde-craillères.)*

Benjamin J. Warden, Philadelphia, Penn., U. S., 29th April, 1879, for 5 years.

Claim.—1st. A duplex metallic frame for a carriage-dash the interior surfaces of which are concave, or of semi-tubular form adapted to clamp and secure the dash leather in position. 2nd. A dash for carriages, composed substantially of the duplex metallic frame A, the fibrous material C and dash rail B, having its ends secured between upper end projections of the clamping frames; 3rd. In combination with the duplex metallic carriage dash frames A and panel C, the whip socket N secured by band G.

No. 9905. Improvements on Scale and Measuring Straps for Last Makers.*(Perfectionnements aux courroies graduées et aux échelles pour les formiers.)*

John Kimball, Boston, Mass., U. S., 29th April, 1879, for 5 years.

Claim.—1st. In a device for indicating upon a last or last block, the correct position of the instep, waist and ball in relation to the heel, and in relation to