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## RECORD

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### INVENTIONS PATENTED.

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

#### No. 32,171. Village Cart. (*Cabrouet.*)

Lewis Burg, Farmington, Iowa, U. S., 2nd September, 1889; 5 years.

*Claim.*—1st. In a two-wheel vehicle, the combination, with thills and spring cushioned seat, of seat bars extending from the latter, and having yielding connection at or near one end, with the vehicle, substantially as set forth. 2nd. In a two-wheel vehicle, the combination, with the thills and spring cushioned adjustable seat, of devices extending from the seat and having yielding sliding connection with the thills, substantially as set forth.

#### No. 32,172. Whiffletree Snap.

(*Crochet de palonnier.*)

Adam H. Eysaman, Mohawk, N.Y., U.S., 2nd September, 1889; 5 years.

*Claim.*—1st. The combination of the flattened whiffletree A the casing B, the hook pivoted in the casing having a notch E, a flattened end H, and a lip I, and a spring F secure I in the casing and engaging the notch E, as set forth. 2nd. The combination of the casing B, the hook C having the lip I and a tongue J, and the spring F, as specified.

#### No. 32,173. Dust Pan. (*Porte-ordure.*)

Lewis Angevine, Sweden Valley, Penn., U.S., 2nd September, 1889; 5 years.

*Claim.*—1st. A handle for dust pans comprising two members adapted to clamp the pan, the outer members having the overhanging lip L, and the upper end of the inner member engaging under said lip and held thereby, as set forth. 2nd. A handle for dust pans comprising the member B, having the tubular portion D provided with a lip L, a stem depending from the tubular portion, and a fork extending from the end of the stem, and a smaller member having the stem engaging under the lip L, and adapted to bear against the stem of the member B, and a fork projecting from said stem adapted to bear upon the fork of the other member, as set forth. 3rd. The improved handle comprising the member B having the tubular portion D, the stem F, and the fork G, and the overhanging lip L at the angle of the stem, and the tubular portion and the member C having a stem adapted to engage under the lip L, and provided with a spur or pin M and the fork extending from the said stem, the ends of the forks of the two members being provided with openings adapted to receive scouring rivets, as set forth.

#### No. 32,174. Art or Process of Refining Petroleum by Distillation. (*Art ou procédé de raffinage du pétrole par la distillation.*)

Ernst C. C. Mengel, Bay, Mich., U.S., 2nd September, 1889; 5 years.

*Claim.*—1st. The herein described process of refining petroleum and analogous oils, which consists in introducing into the vapors arising from the still during the process of distillation natural gas or ordinary illuminating gas produced or manufactured from coal in a heated condition equal to the temperature of the oil vapors, by passing the same together through pipes, boxes or other conduits of sufficient length and suitably heated to prevent condensation, and allowing the necessary chemical action to take place before conducting them into the condensers, substantially as described. 2nd. The process of refining petroleum and analogous oils, which consists in introducing by mechanical means into the vapors arising from the still during the process of distillation natural gas or ordinary illuminating gas produced or manufactured from coal, and heating these to a temperature

equal to the distilling temperature of the vapors in the still, and then mixing such vapors, conducting them through pipes, boxes or other conduits suitably heated to prevent condensation in order to allow the chemical action necessary to take place, and then conducting the mixed gases and vapors into the condenser the oil condenses and the gas escapes, substantially as described.

#### No. 32,175. Pen Guide or Rest. (*Appui-plume.*)

Ignace Bergmann, Fort Madison, Iowa, U. S., 2nd September, 1889; 5 years.

*Claim.*—1st. In a pen-guide, the ring or band to encircle the finger, and the elastic holder on the ring or band to receive the pen-holder, substantially as set forth. 2nd. In a pen-guide, the combination of the open-sided ring or band having eyes or knobs on its free ends, and the ring-shaped holder on the ring or band to receive the pen-holder, substantially as specified. 3rd. In a pen-guide, the combination, with a ring or band to encircle the finger, of an elastic holder loosely connected to and sliding on the ring or band, and adapted to receive the pen-holder, substantially as specified. 4th. In a pen-guide, the combination of a split ring or band, the elastic loop or ring engaging the free ends of the ring or band to draw them together, and the elastic ring-shaped holder, connected to the ring or band to receive the pen-holder, substantially as specified.

#### No. 32,176. Automatic Gate.

(*Barrère automatique.*)

Duncan McDonell, Glen Robertson, Ont., 2nd September, 1889; 5 years.

*Claim.*—In an automatic gate, the combination, of a hinge post A having brackets aIII, catch post AI having catch aI, side posts AII having catches aII, a gate B, III, BII having a mitre wheel on the hinge stile, a mitre wheel C on the hinge stile, mitre wheel CII carried upon a shaft C provided with a drum CII, and gearing in the mitre wheel C, the levers D pivoted in the brackets aIII and connected by straps d coiled upon the drum to the latter, the bell crank lever G having a wide part g and engaging a lever F, the lever F pivoted to the gate and operating the latch, and the latch E, substantially as set forth.

#### No. 32,177. Axe. (*Hache.*)

William C. Kelly, Louisville, Ky., U. S., 2nd September, 1889; 5 years.

*Claim.*—As a new article of manufacture, an axe having the blade tapering from the eye to the cutting edge, and having its body compressed or cut away each side of the centre comparatively abruptly, as shown at c, to form a well-defined step terminating in or joining the inclined depressed surface d, substantially as and for the purposes set forth.

#### No. 32,178. Apparatus for Securing the Ends on Cans. (*Appareil pour poser les fonds des boîtes métalliques.*)

Thomas Davidson, Montréal, Qué., 2nd September, 1889; 5 years.

*Claim.*—In combination, with a vessel containing molten solder, a buoyant disc resting on the surface of such solder, as and for the purposes set forth.

#### No. 32,179. Mechanical Annunciator.

(*Indicateur mécanique.*)

Charles Wilmot and Manly C. Rose, (assignees of Russel Mason and Charles Miller, Newcastle, Ont., 2nd September, 1889; 5 years.

*Claim.*—1st. A mechanical annunciator, constructed substantially as herein shown and described, and consisting of a box or frame of proper dimensions having a face-plate or dial perforated with suitable apertures to expose the words or figures on the upper parts of slides, which continually covers these apertures being double their size, so that when in their normal position the lower blank half only of each slide is visible, but which, when operated by the mechanism,