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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. 22,551. Cutting Apparatus for Mowers and Reapers. (*Couteaux Faucheuses Moissonneuses.*)

Lunan Rundell, New Baltimore, N.Y., U.S., 1st October, 1885; 5 years.

Claim.—1st. In a mower or reaper cutting mechanism, the combination, with a reciprocating serrated cutter, of the central or intermediate fingers or guards arranged in closer relation with each other than the remaining fingers or guards, substantially as specified. 2nd. In a mower or reaper cutting mechanism, the combination, with the fingers or guards, of a reciprocated serrated cutter having its central or intermediate tooth or teeth of greater width than the remaining teeth, essentially as described. 3rd. In a mower or reaper cutting mechanism, the combination of the serrated cutter having its central or intermediate tooth or teeth of greater width than the remaining teeth, to either side thereof, and the finger bar having its central or intermediate fingers arranged in closer proximity to each other than the remaining fingers to either side thereof, substantially as and for the purposes specified.

No. 22,552. Re-Shipping Butter Pail. (*Tinette de Retour.*)

David H. Eaton and Ambrose C. Eaton, East Waverly, N.Y., U.S., 1st October, 1885; 5 years.

Claim.—1st. A re-shipping pail consisting of an interior receptacle and an exterior jacket perforated at the top and bottom, and provided with an interior perforated non-conducting lining, substantially as and for the purpose set forth. 2nd. In a re-shipping pail, the combination, with a receptacle C of the exterior jacket lined on the inside with non-conducting material, the jacket and lining having perforations at top and bottom for the circulation of air, said jacket being of greater length than the interior receptacle, substantially as and for the purpose set forth. 3rd. In a re-shipping pail, a cover provided with a top plate D and a bail made in three pieces, the pieces E₁ being confined in grooves on the underside of the plate, the inner hooked ends of said pieces engaging with the hand piece of the bail, the outer ends engaging with ears on the jacket, substantially as and for the purpose set forth.

No. 22,553. Fire Kindler. (*Allumoir.*)

Alfred W. Hall, Presque Isle, Me., U.S., 1st October, 1885; 5 years.

Claim.—1st. As an improved article of manufacture, a fire-kindler consisting of a wire handle having the scouring arms at opposite ends of its branches, the asbestos having opposite flattened sides and the bands for securing the asbestos to the handle, substantially as specified. 2nd. A fire-kindler consisting of asbestos held to a rod handle by binding wires or bands, and having its opposite sides flattened and its opposite ends exposed.

No. 22,554. Car Axle Lubricator.

(*Graisneur d'Essieu de Char.*)

Benjamin D. Gallagher, Orange, N.J., U.S., 1st October, 1885; 5 years.

Claim.—1st. The combination, with the revolving journal having a duct therein, of the tubular arm leading the lubricant from the journal box to said duct, substantially as herein set forth and shown. 2nd. In combination, the car axle having the duct *h* therein, the box and the revolving arms working on the ends of said journal and adapted to force the lubricant through said arms to said duct, substantially as set forth. 3rd. In combination, the car axle or journal having the groove *g* and duct *h* therein, and the revolving arms working on said journal and communicating with said duct, as set forth.

No. 22,555. Nut Lock. (*Arrête-écrou.*)

James W. Morton, Orange, Court House Va., U.S., 1st October, 1885; 5 years.

Claim.—1st. As a means for retaining a nut against moving longitudinally upon the bolt to which it is attached, a freely revolving sleeve mounted upon the bolt, and carrying the nut, as described. 2nd. As a means for retaining a nut against moving longitudinally upon the bolt to which it is attached, a freely revolving sleeve mounted upon the bolt, retained thereon by an enlargement upon the end of the said bolt, the nut being carried by the sleeve, substantially as described. 3rd. As a means for retaining a nut against moving longitudinally independent of the bolt to which it is attached, a bolt provided with a freely revolving screw-threaded sleeve by which the nut is carried, the said bolt and sleeve being provided with registering holes for the reception of a pin, to hold the sleeve while the nut is screwed thereon.

No. 22,556. Combined Milking Pail and Stool. (*Seau à Lait et Tabouret Combinés.*)

Frederick R. Putt, Toronto, Ont., 1st October, 1885; 5 years.

Claim.—1st. A milking pail having a concaved cover (which acts as a seat), secured to a tray having a solid wooden bottom by means of hinged catches, as and for the purpose specified. 2nd. A receiver having its outlet or socket half way down its back, and having below sufficient room for sediment, and to prevent splashing, as described and for the purpose specified. 3rd. A milk pail with concaved cover secured to a tray, in combination with a receiver, having a socket or outlet in the position indicated, as and for the purpose specified.

No. 22,557. Eaves-Trough Hanger.

(*Gâche de Dalle de Toit.*)

Warren H. Gould, Manchester, N.H., U.S., 1st October, 1885; 5 years.

Claim.—1st. An eaves-trough hanger, consisting of the fixed part A, having parallel arms *a a*, an attaching plate *b*, the adjustable part B having a hooked clasp *e* and a slotted shank *d*, said shank being received between the parallel arms of said fixed part, and the bolt *f* and nut *h*, for adjustably connecting said parts, all combined as set forth, whereby the hanger is adjustable to varying positions and angles, substantially as described. 2nd. An eaves-trough hanger, consisting of the fixed part A, with arms *a a*, attaching-plate *b*, and casting *G*, and the adjustable part B having hooked clasp *e* and slotted shank *d*, and the bolt *f* and nut *h*, adjustably connecting the parts, as set forth.

No. 22,558. Road Grader.

(*Niveleur de Chemins.*)

Samuel Pennock, Kennett Square, Pa., U.S., 1st October, 1885; 5 years.

Claim.—1st. In a road-grader of the described class, the combination, with the scraper, of means, substantially as shown, for imparting independent longitudinal movement thereto, as and for the purpose set forth. 2nd. In combination with the suspended scraper, the pivoted hand-lever connected thereto and arranged to operate the scraper longitudinally, substantially in the manner and for the purpose stated. 3rd. The scraper suspended to the vertically-movable bars, so as to be capable of being reciprocated in the direction of its length, with means for imparting such movement thereto, together