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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. 36,245. Screw Bolt and Nut.

(*Boulon et écrou.*)

Clinton Allen Higbee, Philadelphia, Pennsylvania, U.S.A., 1st April, 1891; 5 years.

*Claim.*—1st. In screw bolts, nuts, and equivalent threaded objects adapted for use in screw couplings or unions, as specified, a screw thread having its end terminating in a blunt broad face beneath the end or face of the part in or on which it is formed, said end being symmetrically disposed, or substantially so, with respect to the line of the centre of the thread, substantially as shown and described and for the purpose specified. 2nd. In screw threaded bolts, and nuts, and equivalent male and female threaded objects adapted to screw together and form a screw-coupling or union, threads having their ends terminating beneath the ends or faces of the threaded parts of the coupling, and each end symmetrically disposed, or substantially so, with respect to the centre line of the threads, all substantially as shown and described and for the purpose specified. 3rd. In screw bolts, nuts, and equivalent threaded objects adapted for use in screw-couplings, as specified, a screw thread having its end terminating in a blunt broad face symmetrically disposed with respect to the centre line of the thread, and a cylindrical extension as *a'*, formed to fit neatly in the other member of the coupling, said extension extending between the end of the thread and the face of the threaded object, all substantially as and for the purpose set forth.

#### No. 36,246. Fanning Mill. (*Tarare-cribleur.*)

Cyrus Russ, Beamsville, Ontario, Canada, 1st April, 1891; 5 years.

*Claim.*—1st. In a grain scouring and cleaning mill, a rigid cylinder B, the interior of which is formed with a series of punched projections D, having hopper C, and outlet *c'*, in combination with the internal revolving cylinder E, enlarged at E', the external surface being formed with a series of punched projections F, and a series of pins H, substantially as and for the purpose hereinbefore set forth. 2nd. The combination in a grain cleaner and fanning mill, of the cylinders B, and E', with hoppers c, and T, and outlet *c'*, the frame work A, provided with the vibrator V, its supports S, fan M, the wheels J, K, and O, on their shafts, the eccentric R, and the connecting rod *b'*, substantially as and for the purpose hereinbefore set forth.

#### No. 36,247. Nut Lock. (*Arrête-écrou.*)

Thomas Poindexter Pollard, Richmond, Virginia, U.S.A., 1st April, 1891; 5 years.

*Claim.*—1st. In a nut lock, the combination of a screw bolt formed with a groove, one side of which is inclined to a greater extent than the other side, a nut formed with one or more grooves, one side of which, respectively is inclined to a greater extent than the other side, and a locking device applied between the nut and the screw bolt, substantially as described. 2nd. A nut lock, comprising in combination, a bolt having a longitudinal groove *a'*, which is inclined at its ends, and a locking device bridging or spanning the bottom of the groove and resting with its ends upon the incline, and a nut, substantially as described.

#### No. 36,248. Helve for Axes. (*Manche de hache.*)

Hiram Hall, Jr., Spruce Head, Maine, U.S.A., 1st April, 1891; 5 years.

*Claim.*—1st. In an axe-helve, the combination of a chamber formed in the outer end thereof, having curved grooves in its side walls, a

saw-kerf extending inwardly from the bottom of said chamber, wedges having bosses adapted to enter said grooves, and inclined inner faces provided with vertical grooves for receiving a screw, a beveled nut disposed in said chamber, and a screw provided with an approximately oval or button-shaped head, and working in said nut, substantially as described. 2nd. In an axe-helve, the helve A, provided with the chamber *d*, having the grooves *f*, in its walls, the saw-kerf *g*, the wedges *h*, provided with the grooves *k*, and bosses *i*, the nut *m*, and the screw B, working in said nut and provided with the curved head *p*, combined and arranged to operate, substantially as set forth. 3rd. In an axe-helve provided with a chamber in its head, having a saw-kerf extending longitudinally from the bottom thereof, the combination of two wedges adapted to be inserted in said chamber, and provided with the inclined working faces and vertical grooves, with a screw having an oval shaped head and a nut on said screw provided with inclined faces adapted to engage said wedges, substantially as described. 4th. In an axe-helve, a chamber opening through its end, two wedges inserted in said chamber, a screw disposed between the wedges, and a nut travelling on said screw for spreading said wedges, substantially as described.

#### No. 36,249. Pulley. (*Poulie.*)

Andrew Tolton, Guelph, Ontario, Canada, 1st April, 1891; 5 years.

*Claim.*—1st. The combination, with the rim of an ordinary belt pulley, of two flanges detachably connected to the said rim, substantially as and for the purpose specified. 2nd. The combination, with the rim of an ordinary belt pulley, of two flanges made in sections detachably connected to the said rim, substantially as and for the purpose specified. 3rd. The rim A, of an ordinary belt pulley, having holes *a*, made in it, in combination with the flaring flanges B, each flange being provided with a base C, having oblong holes made in it to receive the bolts D, substantially as and for the purpose specified. 4th. The flaring flanges B, each flange cast integral with the base C, the flaring of the upper portion *b*, of each flange being at a greater angle than the angle of the portion extending from the base C, in combination with the bolts D, arranged to secure the said flanges to the rim A, of an ordinary belt pulley, substantially as and for the purpose specified.

#### No. 36,250. Tag. (*Etiquette.*)

Herman Baumgarten, Washington, District of Columbia, U.S.A., 1st April, 1891; 5 years.

*Claim.*—A metallic tag formed of ductile metal, capable of being impressed, having a bushing of harder metal inserted in one end thereof and expanded therein, with the eccentric hole in said bushing located toward the center of the tag, so as to subject the thick side of the bushing to wear when suspended by a wire, substantially as set forth.

#### No. 36,251. Cover for Packing Tubs.

(*Couvercle pour cuvettes d'emballage.*)

Laron S. Hendrise, Westfield, Vermont, U.S.A., 1st April, 1891; 5 years.

*Claim.*—The combination of the packing-tub and the metallic cover having a sharpened continuous depending flange adapted to be driven into the edges of the staves, the strengthened portion for strengthening the edges of the cover, the said cover also having an orifice therein for the reception of the stopper, substantially as shown and described.

#### No. 36,252. Washing Machine.

(*Machine à laver.*)

Elisha Draper, Sioux City, Iowa, U.S.A., 1st April, 1891; 5 years.

*Claim.*—1st. The combination, with the box mounted upon rockers and provided interiorly with guides, of a horizontal removable partition provided on its under side with projections, as set forth. 2nd. The combination, with the box mounted upon rockers, of the remov-