The Canadian Patent Office RECORD

Vol. XXVI.—No. 8. AUGUST 31st, 1898.

Price free by post in Canada and the United States, $2.00.
SINGLE NUMBERS, - - - 20 Cts

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INVENTIONS PATENTED.

NOTE.—Patents are granted for 18 years. The term of years for which the fee has been paid, is given after the date of the patent.

No. 60,740. Cycle Saddle Support.

(*Support de selle de bicycles.*)

Fig. 1.

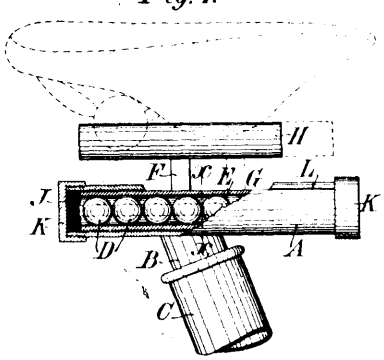
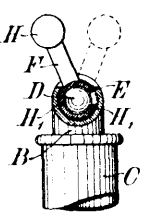


Fig. 2.

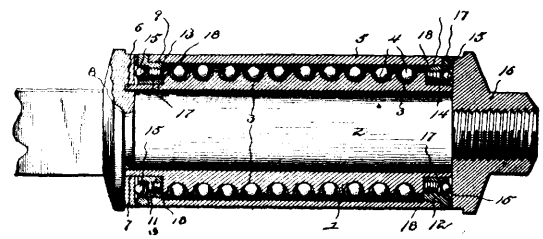


60740

Paul Richard Gulden, 11 Plagwitzer Strass, Leipsic, Saxony, German Empire, 2nd August, 1898; 18 years. (Filed 10th May, 1898.)

Claim.—1st. In a cycle seat or saddle support, a tubular casing A, a slide E, movably supported therein by anti-friction bodies D, an arm F, on said slide extending through an opening in said casing and adapted to have a seat or saddle secured thereon, and means as described for limiting the extent of movement of the said slide within the said casing, substantially as and for the purpose described. 2nd. In a bicycle seat or saddle support, the combination with the tubular casing A, having an upper guide slot G, and a shank B, of a slide supported on anti-friction bodies, such as balls, within said casing, an arm F, on said slide, projecting through said guide slot and having an extension for the attachment of a seat or saddle, end stops, such as J, for limiting the extent of axial movement of the said slide, and side stops, such as H^1, for limiting the extent of lateral rocking movement of the said slide, substantially as and for the purpose described.

No. 60,741. Axle Box. (*Boîte à graisse.*)



60741

Charles Bingley Hobron, Boerne, Texas, U.S.A., 2nd August, 1898; 6 years. (Filed 15th April, 1898.)

Claim.—1st. In a device of the class described, the combination of a spindle provided at its inner end with a series of recesses, a bearing sleeve provided at its inner end with a series of lugs fitting in the recesses of the spindle, whereby the bearing sleeve is detachably interlocked with the same, an axle box, and an axle nut engaging the bearing sleeve and the axle box, substantially as described. 2nd. In a device of the class described, the combination of a spindle provided at its inner end with a shoulder having a series of recesses, a bearing sleeve provided with a series of annular ball races and having at its inner end a series of projecting lugs fitting in the recesses of the spindle and interlocking the bearing sleeve with the same, an axle box, and balls arranged in the ball races and interposed between the bearing sleeve and the axle box, substantially as described. 3rd. In a device of the class described, the combination of a bearing sleeve designed to be arranged on a spindle and provided with a series of annular channels forming ball races, said sleeve having smooth extensions at its ends, an axle box provided at its ends with recesses and having the same threaded, balls interposed between the bearing sleeve and the axle box, and the threaded end rings arranged on the smooth extensions of the bearing sleeve and fitting in and closing the ends of the axle box and engaging the threads of the recesses, substantially as described. 4th. In a device of the class described, the combination of an axle box, balls arranged within the same, an end ring secured to the axle box and provided with openings threaded at their inner portions, balls arranged within the openings and projecting beyond the outer face of the ring, and threaded plugs closing the inner ends of the openings, substantially as described. 5th. In a device of the class described, the combination of a bearing sleeve, and axle box, balls interposed between the bearing sleeve and the axle box, and the end bands arranged at the ends of the axle box, closing the same and provided at their faces with projecting balls arranged in sockets or openings, substantially as and for the purpose described.

No. 60,742. Glassware Making Machine.

(*Machine à faire la verrerie.*)

Frank O'Neill, Cicero, Indiana, U.S.A., 2nd August, 1898; 6 years. (Filed 16th May, 1898.)

Claim.—1st. In a machine for the manufacture of glassware, aligned plungers adapted to be moved, successively, in and out of operative position, means for moving the plungers, and depressing mechanism operatively engaging an inactive plunger for actuating an aligned active plunger. 2nd. In a machine for the manufacture