

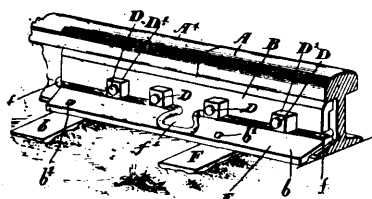
No. 62,796. Nut Lock. (Arrête-écrou.)

Fig. 1.

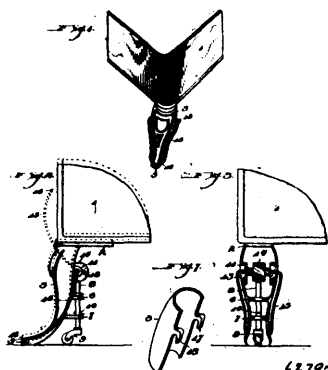


Fig. 2.

62796

James Drinkwater, Winchester, Ontario, Canada, 2nd March, 1899; 6 years. (Filed 11th February, 1899.)

Claim.—The combination with the rails, the fish-plate provided with a base flange and bolts and nuts, of a spring bar secured between the nuts and the flange of the fish-plate, a central arched portion or loop, and hooked ends arranged to enter the recesses behind the fish-plate, as and for the purpose specified.

No. 62,797. Culinary Lifting Device. (Appareil de cuisine.)

62797

S. Charles Entwistle, Pittsburg, Pennsylvania, U.S.A., 2nd March, 1899; 6 years. (Filed 11th January, 1899.)

Claim.—1st. In a lifting device for stoves, means for operating the same operated on the front of a stove leg, substantially as shown and described. 2nd. In a device of the character described, a stove leg, a pair of extensions or guides formed integral with its inner face, a pintle operating through the said guides or extensions having a caster or roller secured to its lower end, an operating shaft, an eccentric mounted on the shaft adapted to be brought into engagement with the upper end of the pintle, and means operating at the front of the stove leg for operating said eccentric, substantially as shown and described. 3rd. In a lifting device for stoves, the combination of a stove leg, a pair of extensions formed integral at its inner face, a pintle operating through said extensions and suitably secured to a caster or roller, and means operating against said pintle operated by a lever at the front of the stove leg for elevating the stove, substantially as shown and described. 4th. In a lifting device for stoves, the combination of a stove leg, a pair of extensions formed integral with the inner face of said stove leg, one above the other, a pintle operating through said extensions having a roller or caster secured to its lower end, an operating shaft carrying an eccentric adapted to be brought into contact with the upper end of said pintle, means for securing the said shaft in position formed integral with the inner face of said legs, and an operating lever connected to each end of said shaft adapted to be operated at the front of the stove leg, substantially as shown and described. 5th. In a lifting device for stoves, a pair of extensions formed integral on its inner face, one above the other, a pintle operating through said extensions having a caster secured to its lower end, and means operated by the lever arranged on the front of the stove leg to be brought into contact with the said pintle for lifting the stove, substantially as shown and described.

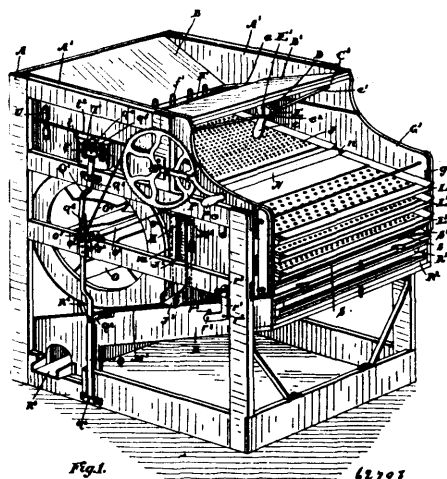
No. 62,798. Grain Cleaner and Separator. (Nettoyeur et séparateur de grain.)

Fig. 1.

62798

The Toronto Grain and Seed Cleaner and Grader Manufacturing Co., assignee of Thomas Henry Cooper, all of Toronto, Ontario, Canada, 6th March, 1899; 6 years. (Filed 9th February, 1899.)

Claim.—1st. In a grain cleaner and separator, the combination with the feed hopper located at the upper portion of the machine and held stationary in the frame and having inclined ends converging to the centre and leaving a suitable orifice, of an adjustable closing board for such orifice supported in suitable guideways at the side and provided with a rack, and a quadrant suitably pivoted on the frame meshing with such rack and provided with a handle whereby it may be manipulated, as and for the purpose specified. 2nd. In a grain cleaner and separator, the combination with the feed hopper located at the upper portion of the machine, and held stationary in the frame, and having inclined ends converging to the centre and leaving a suitable orifice, of an adjustable closing board for such orifice supported in suitable guideways at the side and provided with a rack, and a quadrant pivotally held on a suitable spring rod extending across the frame and a bracket secured at the bottom of the end board and provided with a notch through which such spring rod extends and which is designed to limit its inward spring, as and for the purpose specified. 3rd. In a grain cleaner and separator, the combination with the feed hopper located at the upper portion of the machine and held stationary in the frame and having inclined ends converging to the centre and leaving on a suitable orifice, of the cross-bar extending underneath one edge of the end bar in proximity to the orifice and provided with upwardly extending fingers or loops, the brackets for supporting the rod, the bell crank pivotally connected to one end of the bar, pivotally supported on the frame, and pivotally connected to a cross-bar on the upper longitudinal vibratory shoe, as and for the purpose specified. 4th. In a grain cleaner and separator, the combination with the feed hopper and upper shoe driving movement as specified and provided with a screen beneath the orifice, of the curvilinear hopper inclined to one side and the downwardly extending side spout leading therefrom and having a lateral extension outside the shoe, as and for the purpose specified. 5th. In a grain cleaner and separator, the combination with the feed hopper, of the upper shoe and a suitable screen located beneath the hopper, and a riddle extending the length of such screen and suitably supported, and a flexible apron abutting the outer end of the screen and extending partly over the riddle, as and for the purpose specified. 6th. In a grain cleaner and separator, the combination with a substantially cylindrical fan casing held in a stationary portion of the machine and having an orifice at the front side thereof and a fan having the shaft suitably journaled on the frame and means for driving such fan, of the shoe having the inclined directing boards M², M³ and M⁴, and the riddles suitably supported on the shoe in the path of the blast formed by such directing boards, as and for the purpose specified. 7th. In a grain cleaner and separator, the combination with a substantially cylindrical fan casing held in a stationary portion of the machine and having an orifice at the front side thereof and a fan having a shaft suitably journaled on the frame and means for driving such fan, of the shoe having the inclined directing boards M², M³ and M⁴, and the riddles suitably supported on the shoe in the path of the blast formed by such directing boards and the tail-board 3 having the limiting metal straps and rod extending through such straps, as and for the purpose specified. 8th. In a grain cleaner and separator, the combination with the fan casing and fan and the upper shoe suitably driven and having the directing boards M², M³ and M⁴, and riddles, of the lower shoe having suitable screens and spouts leading therefrom and an apron connected to the front end of the directing board M⁴ and extending