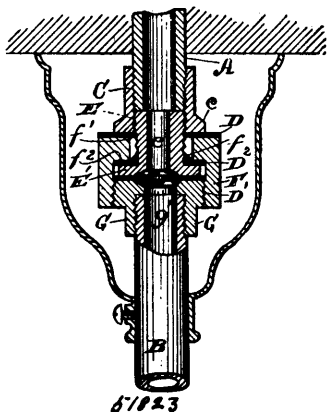


In a washing machine, the combination of a tub A, a series of segments B, having their undulated and concave surface upwards, flexible connections B¹ at the ends of said segments, rollers secured above the ends of the tub over which said flexible connections pass, a rod b¹ at the end of each flexible connection, a perforated slat A¹ through which said rods pass, a spring B¹¹ upon each rod secured to its end, and the other end abutting against the underside of said slat, substantially as set forth. 3rd. In a washing-machine, the combination of a tub A, a series of segments B suspended side by side within said tub, a chain at each end of each segment passing over a pulley and its end held down by spring or weight, substantially as set forth. 4th. In a washing machine, the combination of a tub A, a series of segments B yieldingly suspended therein, a frame E, e¹¹ pivoted at one end to said tub, a drum D, concentric with the segments B, provided with handles and journaled to said frame E, substantially as set forth.

No. 51,823. Insulating Joint. (Joint isolant.)

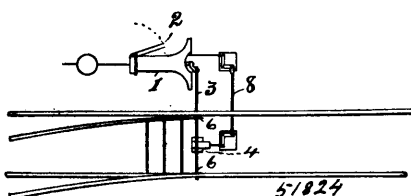


The Chicago Gas and Electric Fixture Manufacturing Company, assignee of George J. Carson, both of Chicago, Illinois, U.S.A., 1st April, 1896; 6 years. (Filed 7th March, 1896.)

Claim.—1st. The combination with a uniting-collar on the ends of two pieces to be joined together, a main locking-collar engaging the collar on one of said pieces, and formed with an opening or chamber provided with an annular rim having teeth or corrugations, and an interior locking-piece, having an annular flange provided with teeth or corrugations to correspond with and engage those of said locking-collar, and adapted to be secured to the other piece to be united, substantially as described. 2nd. In an insulating joint, the combination of the collar C, secured to the supply-pipe, with the collar G on the fixture pipe, the main locking-collar F, having the opening f¹, provided with the annular rim f², formed with teeth or corrugations f, and engaging the collar G, the insulating discs or washers D, and D¹, on the tops of the collars F, and G, respectively, the locking-piece E, having the annular flange E¹, provided with teeth or corrugations e², located within the collar F, and adapted to engage its teeth and the collar G, and the insulating disc or washer D², located between the teeth of the piece E, and the collar F, and adapted to be clamped thereby, substantially as described.

No. 51,824. Switch Stand Attachment.

(Attache pour plate-forme d'aiguille de chemin de fer.)

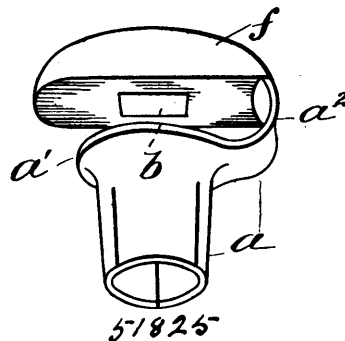


The Canada Switch and Spring Company, assignee of Kennet W. Blackwell, both of Montreal, Quebec, Canada, 1st April, 1896; 6 years. (Filed 4th March, 1896.)

Claim.—1st. The combination of a switch stand with drop arms, and point locking mechanism adapted to be operated by the raising and lowering of the drop arm. 2nd. The combination of a switch

stand with drop arm, and a signal detector and signalling mechanism adapted so that the detector is operated by the raising and lowering of the drop arm. 3rd. The combination of a switch stand with drop arm, adapted to operate derails on a line crossing another line and a signal or signals operated by the raising and lowering of the drop arm. 4th. The method of operating safety devices by the raising and lowering of the drop arm of a switch stand.

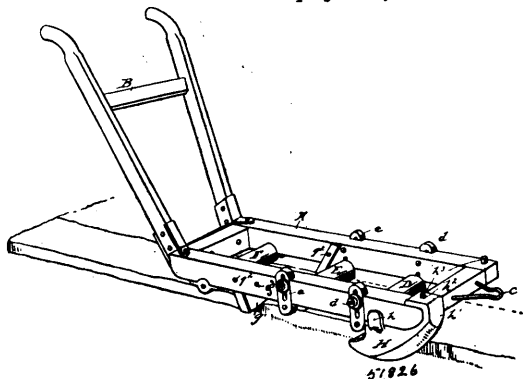
No. 51,825. Lacing Hook. (Agrafe pour lacer.)



Eleazer Kempshall, Newton, Massachusetts, U.S.A., 1st April, 1896; 6 years. (Filed 9th March, 1895.)

Claim.—1st. A lacing hook, comprising in its construction, a head, an attaching member, a neck connecting said head and member, and means to separate said head from a die-plate, or anvil, whereby a covering of plastic material may be moulded about the top and bottom of said head. 2nd. A lacing hook, comprising in its construction, a securing member, a head, a neck connecting said head and member, a part on the under side of said head to engage a die-plate, and a covering of plastic material moulded about said head, and extending under the edge thereof. 3rd. A lacing hook, comprising in its construction, a securing member, a head, a neck connecting said head and member, said head being formed with an aperture and a die engaging part, and a covering of plastic material moulded about the top and bottom of said head and connected through said aperture. 4th. A lacing hook, comprising in its construction, a securing member, a head, a neck connecting said member and head and a die engaging member upon said head. 5th. A lacing hook, comprising in its construction, a securing member, a head, a neck connecting said head and member, said head being formed with a depression adapted to engage a die-plate, and a covering of plastic material moulded about the top and bottom of said head, and covering the edge thereof.

No. 51,826. Sod-Cutter. (Coupe-gazon.)



George Lane, Haverford, Pennsylvania, U.S.A., 1st April, 1896; 6 years. (Filed 10th March, 1896.)

Claim.—1st. In a sod-cutter, the combination of the frame A, the knife G having a transverse cutting edge, and vertically adjustable upon said frame, and the transverse roller E mounted nearly over said knife and of equal diameter across its entire length, substantially as described. 2nd. In a sod-cutter, the combination of the frame A, the knife G having a transverse cutting edge, and vertically adjustable on said frame, and the transverse roller E mounted nearly over said knife of equal diameter across its entire length, and vertically adjustable upon the frame, substantially as described. 3rd. In a sod-cutter, the combination of the frame A, three transverse rollers D, E, F, the latter of which is mounted in a higher plane than the two former, the vertically adjustable knife G having a transverse cutting edge, substantially as described. 4th. In a sod-cutter, the combination of the vertically adjustable knife G, consisting of the transverse portion g, having a straight cutting edge diagonally disposed with reference to the sides of the machine, the vertical portions g¹, g², and the angular blades contiguous thereto,