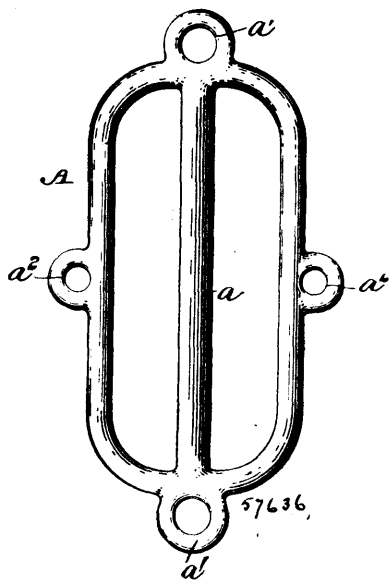
slotted and interiorly toothed boxes attached to the hame sections and located in the upper ends of the collar portions, an extensible yoke portion provided with a cross-strap, hinged and toothed straps extending into said sleeves, and clamping screws for locking said straps to or releasing them from the interiorly-toothed portions of the boxes, substantially as set forth. 3rd. The combination, with the collar portions and hame sections of a combined collar and hame, of adjustable draft-clips attached to the hame sections, such draft-clip being composed of U-shaped portion, a stationary bar at the rear end of said U-shaped portion, a sliding clip on said bar, and a toothed and pivoted locking plate engaging said sliding clip after the same is adjusted, substantially as set forth. 4th. The combination, with the collar portions and hame sections of a combined collar and hame, of adjustable draft-clips attached to the hame sections, each draft clip being provided with a U-shaped portion, a stationary bar passing through the rear end of the U-shaped portion, a friction-spring connecting the rear end of the U-shaped portion, a sliding clip provided with a stud for attaching the trace and a notch at its front end, and a locking plate pivoted to said U-shaped portion, and provided with teeth adjacent to the sliding-clip, so as to engage the notched end of the slip after the same has been adjusted on the bar and lock the same in the required position, substantially as set forth.

No. 57,636. Fire Escape. (*Sauveteur d'incendie.*)



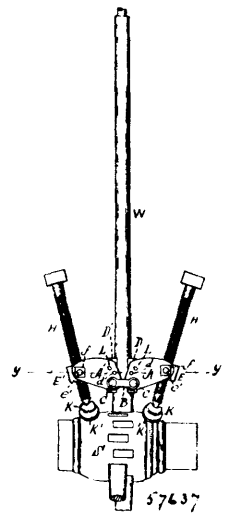
George H. Howland, Northville, New York, U.S.A., 1st October, 1897; 6 years. (Filed 21st September, 1897.)

Claim.—1st. A friction loop for a fire-escape, constructed preferably of metal, having an open frame or body portion, a vertically arranged bar extending through the open body portion around which a lowering rope is adapted to be twisted, eyes at the top and bottom of the body portion through which the lowering rope is adapted to pass, and eyes on the sides of the body portion to which a supporting rope or band is adapted to be attached, substantially as described. 2nd, A fire-escape, comprising in its construction a friction loop, constructed preferably of metal, having an open frame or body portion, a vertically arranged bar extending through the open body portion around which a lowering rope is twisted, eyes at the top and bottom of the body portion through which the lowering rope passes, and eyes on the sides of the body portion to which a supporting rope or band is attached, substantially as described.

No. 57,637. Device for Removing Spokes from Wheels. (*Appareil pour enlever les rais des roues.*)

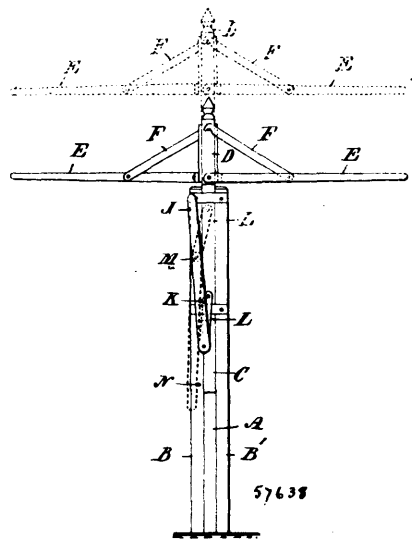
George A. Golar, Milton, Massachusetts, U.S.A., 1st October, 1897; 6 years. (Filed 22nd September, 1897.)

Claim.—1st. A device for removing spokes from hubs of wheels, comprising the two pairs of plates, A, A¹, the clamps D, D¹, the former being pivotably secured to and between the plates A and the latter similarly secured to and between the plates A¹; links pivotally connecting each of the pairs of plates A with the pair of plates A¹; internally screw-threaded tubular connections secured to and between the plates A and the plates A¹ near their outer ends; and screws extending through said tubular connection and provided with suitable feet adapted to bear against the hub, substantially as described. 2nd. The herein described device for removing spokes from the hubs of wheels, comprising the two pairs of plates A, A¹; the clamps D, D¹; the former pivotally secured to and between the plates A, and the latter similarly secured to and between the plates A¹; the links B connecting each plate A with its opposite plate A¹; the internally screw-threaded tubes E, E¹, pivotally hung



between and secured to the plates A and the plates A¹ near their outer ends; the screws H extending through said threaded tubes; and the feet K connected with the lower ends of said screws in such a manner as to enable said feet to accommodate themselves to the surface of the hub, substantially as set forth.

No. 57,638. Clothes Dryer. (*Sechoir à linge.*)



William J. Coulter, Chesley, Ontario, Canada, 1st October, 1897. 6 years. (Filed 22nd September, 1897.)

Claim.—1st. The combination with the post A, side posts B, B¹, and intervening sliding post C, of the compound levers J, L, arranged and operating as set forth. 2nd. The combination with the posts A, and B, B¹, bolted together, of the intermediate sliding post C, having a rotating head D. and connected by an axial pin G, and pipe bushing H, as set forth.

No. 57,639. Sleigh. (*Traineau.*)

James N. Runions, Cokato, Minnesota, U.S.A., 1st October, 1897; 6 years. (Filed 23rd September, 1897.)

Claim.—1st. The combination with the sleigh body, the knees, and the flexible runners, of the loop springs interposed between said knees and runners, the portion of said springs connected with the runners being formed with a joint allowing bending of the runner alone at that point. 2nd. In a sleigh, the combination with the spring runner, the knee, the oscillating connection between the