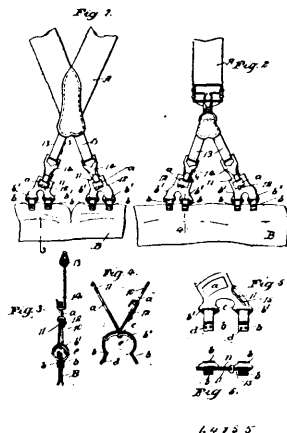


shaft and thereby moving the pawls into or out of engagement with the ratchets, substantially as set forth. 3rd. As a new article of manufacture, a removable head section for beds having, in combination, two frames hinged together, and adapted to extend from side to side of the bed, one of said frames being adapted to rest upon the side rails of the bed and remain normally stationary, and the other being adapted to be moved about the hinge joint, means carried by the stationary frame for engaging the side rails and preventing its accidental displacement, means carried by the movable frame for supporting the head section of a mattress or the like, a pair of racks, one at each side of the frame, each having one end rigidly secured to the movable frame, the toothed faces of the racks being concentric with the hinge joint, a pair of pinions, one at each side of the frame, engaging the racks, a shaft extending from side to side of the frame, and carrying the pinions, a pair of ratchets, one at each side of the frame, carried by the shaft and being incapable of rotation relatively thereto, pawls engaging the ratchets, a rock shaft extending from side to side of the frame, and carrying the pawls whereby they may be simultaneously operated from either side of the frame, and a pair of plates, one at each side of the frame, said plates forming with the adjacent sides of the stationary frame housings enclosing the pinions, ratchets and pawls, substantially as set forth. 4th. As a new article of manufacture, a removable head section for beds having, in combination, two frames hinged together and adapted to extend from side to side of the bed, one of said frames being adapted to rest upon the side rails of the bed or other support and remain normally stationary, and the other being adapted to move about the hinge joint, said frames being adjustable in width in order to accommodate the device to beds of different widths, a shaft journaled in the stationary frame and having means for revolving it, said shaft being adjustable in length, means for transmitting the movement of said shaft to the movable frame for the purpose of moving it about the hinge joint, and means for holding the movable frame to its adjustment, substantially as set forth. 5th. As a new article of manufacture, a removable head section for beds having, in combination, two frames hinged together, and adapted to extend from side to side of the bed, one of said frames being adapted to rest upon the side rails of the bed or other support and remain normally stationary, and the other being adapted to move about the hinge joint, said frames being adjustable in width for the purpose of accommodating the device to beds of different widths, a shaft journaled in the stationary frame and having means whereby it may be rotated, said shaft being adjustable in length, a pinion and a ratchet wheel carried by the shaft, a curved rack connected at one end to the movable frame, the toothed face of the rack being concentric with the hinge joint and in engagement with the pinion, a ratchet wheel carried by the shaft, a pawl engaging the ratchet wheel, and a rock shaft journaled in the stationary frame and carrying the pawl, said rock shaft being adjustable in length, substantially as set forth. 6th. As a new article of manufacture, a removable head section for beds having, in combination, two frames hinged together and adapted to extend from side to side of the bed, one of said frames being adapted to rest upon the side rails of the bed or other support and remain normally stationary, and the other being adapted to move about the hinge joint, said frames being adjustable in width, devices carried by the movable frame for supporting the head portion of a mattress or the like, said devices being elastic and adapted to accommodate themselves in the matter of length to the width of the frame, a shaft journaled in the stationary frame, said shaft being adjustable in length, means for rotating the shaft, a pinion and a ratchet wheel carried by the shaft, a rack connected at one end to the movable frame, the toothed face of the rack being concentric with the hinge joint and in engagement with the pinion, a pawl engaging the ratchet wheel, and a rock shaft carrying the pawl, said shaft being adjustable in length, substantially as set forth. 7th. As a new article of manufacture, a removable head section for beds having, in combination, two frames hinged together and adapted to extend from side to side of the bed, one of said frames being adapted to rest upon the side rails of the bed or other support and remain normally stationary, and the other being adapted to move about the hinge joint, said frames being adjustable in width, a pair of racks, one disposed upon each side of the frame, each connected at one end to the movable frame, the toothed faces of the racks being concentric with the hinge joint, a pair of pinions engaging the racks, respectively, a shaft extending from side to side of the frame, carrying the pinions, said shaft being adjustable in length, a pair of ratchets carried by the shaft, one at each side of the frame, a pair of pawls engaging the ratchets, and a rock shaft, said rock shaft being adjustable in length, substantially as set forth. 8th. As a new article of manufacture, a removable head section for beds having, in combination, two frames hinged together and adapted to extend from side to side of the bed, one of said frames being adapted to rest upon the side rails of the bed or other support and remain normally stationary, and the other being adapted to move about the hinge joint, said frames being adjustable in width, a pair of racks, one disposed at each side of the frame, each connected at one end to the movable frame, the toothed faces of the racks being concentric with the hinge joint, a pair of pinions engaging the racks respectively, a shaft extending from side to side of the frame, carrying the pinions, said shaft being made up of telescoping sections, adjustable longitudinally, means for preventing the relative rotation of said sections, a pair of ratchets carried by

the shaft, a pair of pawls engaging the ratchets, and a rock shaft carrying the pawls, and extending from side to side of the frame, said rock shaft being made up of telescoping sections, adjustable longitudinally, substantially as set forth.

No. 64,155. Suspender Clasp. (Agrafe de bretelles.)

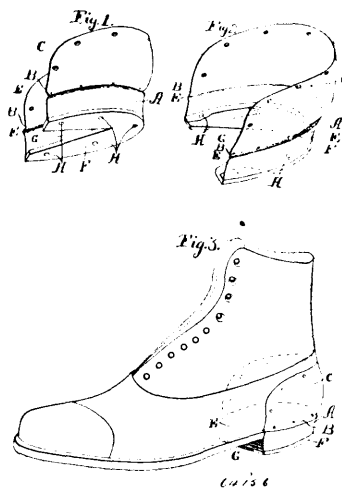


John Valentine Jannin, and Jacob Frederick Klein, both of Everett, Snohomish Co., Washington, U.S.A., 3rd October, 1899; 6 years. (Filed 12th June, 1899.)

Claim.—1st. A suspender clasp, comprising two clamping members slotted at like ends, and hinged together near their opposite ends, a coiled spring the limbs of which engage the said members near their hinge to normally spread them apart, and a detent hook on one member adapted to be brought into engagement with an edge of the other member, and hold the two members in clamped condition against the stress of the spring, as specified. 2nd. A clasp for suspenders, comprising clamping sections slotted near one end to receive a hook on a suspender band, each section having two spaced limbs, which limbs are indented at opposite points, the limbs of the one section being cross slotted to loosely receive the limbs of the other section and thus provide a hinged joint between said sections, a wire spring located in the indents of opposed limbs and engaging its ends therewith to normally spread said limbs apart, and a detent hook on one section adapted for interlocking engagement with an edge of the other section to hold the limbs thereon in clamped condition and the spring limbs compressed, as specified.

No. 64,156 Heel and Counter Protector.

(Protecteur de talon et contrefort.)



David Hayward Packard, Lestershire, New York, and William Gordon, Boston, Massachusetts, U.S.A., 3rd October, 1899; 6 years. (Filed 25th May, 1899.)

Claim.—1st. A shoe protector consisting of a metallic shell, shaped inwardly and outwardly to conform to the shape of the shoe heel and counter, and having an inwardly projecting lip or plate formed to engage the lower portion of the heel of the shoe. 2nd. A shoe protector consisting of a metallic shell, shaped inwardly and outwardly to conform to the shape of the shoe heel and counter, and having an inwardly projecting ridge formed to engage the space between the heel and the upper of the shoe, said protector being perforated near the bottom of its counter portion.