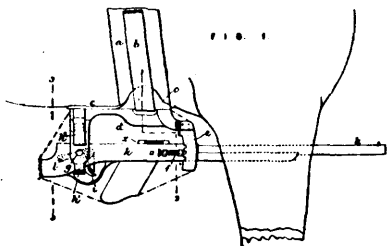


independently adjust them and spring the knife into curves of greater or less radii, substantially as described. 5th. The combination of the end frames or standards, a knife bar which stands stationary during the stave trimming and jointing operation, an elastic trimming or jointing knife, a series of angular plates comprising horizontal flanges adjustably secured to the knife bar and vertical flanges to which the elastic knife is attached, a series of set screws carried by the knife bar, and acting upon the angular plates to independently adjust them and spring the knife into curves of greater or less radii, a cutting rest, and means for adjusting the cutting rest into longitudinal curves of different radii, substantially as described. 6th. The combination with a knife bar, and an elastic stave jointing knife, of a series of independent adjustable angular plates suspended from and movable back and forth on the knife bar and connected with the elastic jointing knife, devices carried by the knife bar and acting against the angular sections to independently adjust them and spring the knife into curves of greater or less radii, a table, a series of adjustable plates mounted on the table, an elastic cutting rest secured to and solely supported by the adjustable plates, and devices carried by the table and acting on said plates to independently adjust them and spring the cutting rest into curves of greater or less radii, substantially as described. 7th. The combination in a stave trimming or jointing machine, of a knife bar, an elastic trimming or jointing knife, a series of independently adjustable plates slidable back and forth on the knife bar, connected with the elastic knife and constituting a substantially continuous support for the latter along its length, and set screws carried by the knife bar and acting against the opposite end portions of the plates for independently adjusting them and springing the knife into curves of greater or less radii, substantially as described. 8th. The combination in a stave trimming or jointing machine, of a stave cutting rest, a knife bar, a pair of knife support carried by and adjustable lengthwise and transversely with relation to the knife bar, and a stave jointing knife composed of a single continuous strip of elastic metal secured to the lengthwise and transversely adjustable knife supports, substantially as described. 9th. The combination in a stave trimming or jointing machine, of a stave cutting rest, a knife bar, a pair of knife supporting plates carried by and rest, a knife bar, a pair of knife supporting plates carried by and movable lengthwise and transversely with relation to the knife bar, a stave jointing knife composed of a single continuous strip of elastic metal secured to the lengthwise and transversely adjustable knife supporting plates, and a series of set screws carried by the knife bar for adjusting the knife supporting plates lengthwise and transversely with relation thereto, substantially as described. 10th. The combination in a stave trimming or jointing machine, of a knife bar, an elastic jointing knife, knife supports composed of angular plates having horizontal flanges movably secured to the knife bar and vertical flanges to which the elastic jointing knife is attached, and devices carried by the knife bar for adjusting the knife supports to spring the jointing knife into longitudinal curves of different radii, substantially as described. 11th. The combination in a stave trimming or jointing machine, of a knife bar, a trimming or jointing knife, an oscillatory table having a cutting rest, a rocking treadle bar having rearwardly projecting arms, rods or links pivotally connected at their upper end with the table and adjustable at their lower ends along the rearwardly projecting arms of the rocking treadle bar, a rock shaft journaled to the said connecting rods or links, and a pair of stave feeding arms rigidly secured to the rock shaft so that the latter constitutes a pivotal support for moving both arms in unison and causing them to rise and fall with the oscillatory table, substantially as described.

No. 42,822. Method of Attaching Firearms to Cavalry Harnesses. (*Méthode d'attacher les armes à feu aux harnais de cavalerie.*)



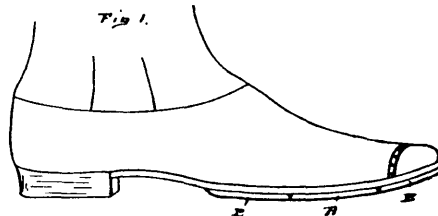
William Frederick Peel, London, England, May 4th, 1893; 6 years.

Claim.—1st. The combination, with cavalry harness provided centrally at its lower portion with a firearm support adapted to lie centrally under the body of the animal, of a firearm suspended longitudinally by said support with the muzzle pointing forward, and firing devices connected with the breech portion of the firearm and arranged to be operated at the will of the rider for discharging the firearm, substantially as described. 2nd. The combination, with the harness girth, of a vertically arranged firearm supporting plate suspended centrally from the girth at the lower portion thereof, a firearm having its breech portion suspended from the supporting plate, a firearm adjusting frame connected with the plate and provided with means for raising, lowering and leveling the firearm,

and firing devices connected with the breech portion of the firearm and arranged to be operated at the will of the rider for discharging the firearm, substantially as described.

No. 42,823. Boot and Shoe Soles.

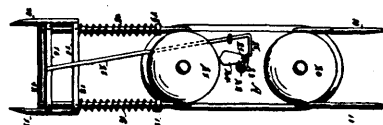
(*Semelle pour chaussures.*)



Leroy S. Pfouts and Lorenzo D. Ball, both of the City of Canton, Ohio, U.S.A., May 4th, 1893; 6 years.

Claim.—1st. In a boot and shoe sole, the sections B and A, the extensions or lugs a, provided with inclined faces or edges, and the recesses or notches b, provided with corresponding inclined faces, substantially as and for the purpose specified.

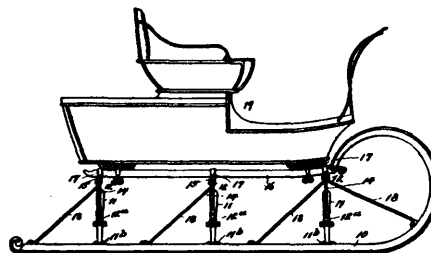
No. 42,824. Burglar Alarm. (*Avertisseur d'effraction.*)



Joseph Frank Stirsky, Nelson, British Columbia, May 4th, 1893; 6 years.

Claim.—1st. In a burglar alarm, the combination, with a casing having rods projected therefrom and extending beyond opposite sides, gongs carried by the casing and a clock movement likewise carried by the casing, of a post held to revolve in the casing between the gongs, a tongue carried by the post and adapted for engagement with the gong, a gear connection between the post and the clock mechanism, a spring pressed yoke provided with spurs held to slide upon the rods, and a trip arm carried by the yoke and normally adapted for engagement with the post, stopping the revolution of the latter, as and for the purpose specified. 2nd. In a burglar alarm, the combination, with a casing, rods projected from the top and bottom thereof, gongs secured upon one face of the casing, a clock mechanism carried by the casing, a post journaled in the casing between the gongs and geared with a clock mechanism, a tongue pivotally connected with the post, and a finger securely attached to the post, of a yoke provided with spurs and held to slide upon the rods at one end of the casing, springs normally pressing the yoke downward and outward, and a trip arm secured to the yoke and normally engaging at its upper end with the finger of the post, whereby the latter can revolve only when the trip arm is disengaged from it, as and for the purpose set forth.

No. 42,825. Sleigh. (*Traineau.*)



W. N. Snow, Snowville, New Hampshire, U.S.A., 4th May, 1893; 6 years.

Claim.—1st. The combination, with the runners and the transverse arched knees, of the angular brackets 12, secured at the lower ends of their vertical members, and inner ends of their horizontal members to the knees as shown at 12^a, and formed on their upper sides at their angles with bearings 15, and clips 16 to secure the side bars in place, substantially as set forth. 2nd. The combination, with the runners and arched knees of the arched braces 11^a, secured at their ends 11^b to the runners, and secured throughout their length to the under sides of the knees, the angular brackets 12, secured at their ends as at 12^a to the knees, forming angular upper corners therefor and formed on their upper sides at their angles with side bar bearings 15, having clips 16, substantially as set forth.