R. C. TALBOT.

ROOF CLIMBER.

APPLICATION FILED DEC. 20, 1907.

**906,082.** Patented Dec. 8, 1908.

Fig. 1.

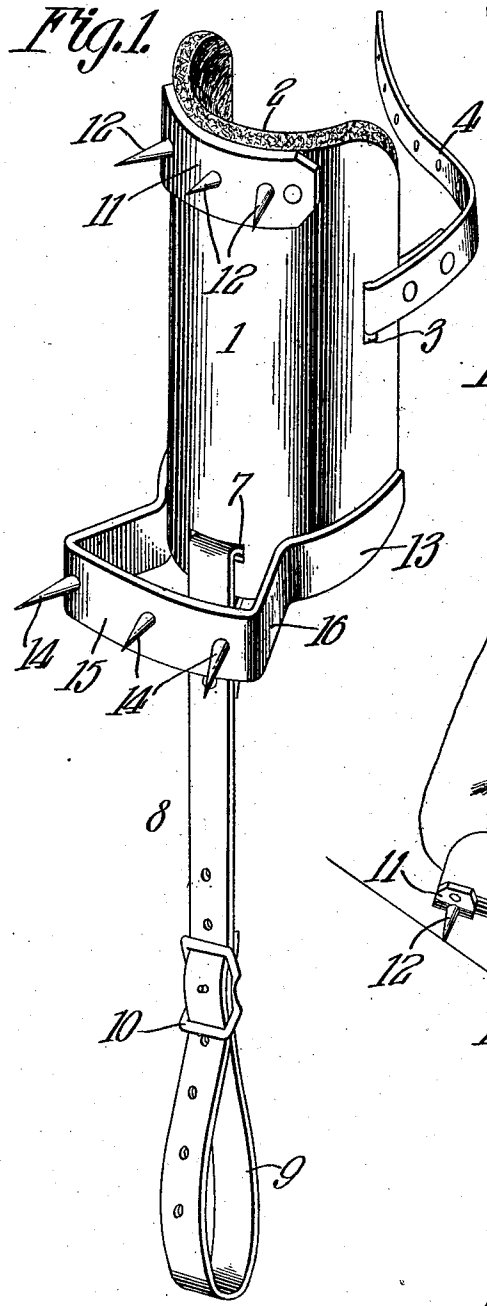



Fig. 2.

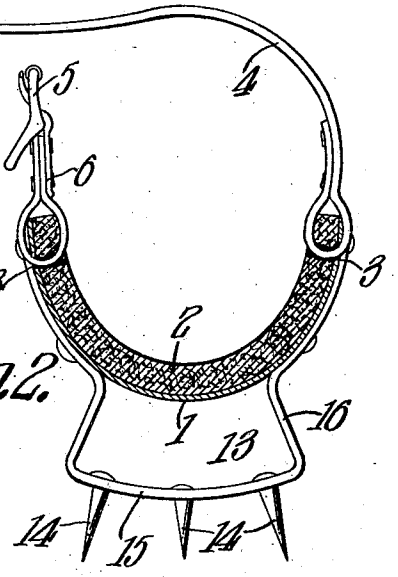
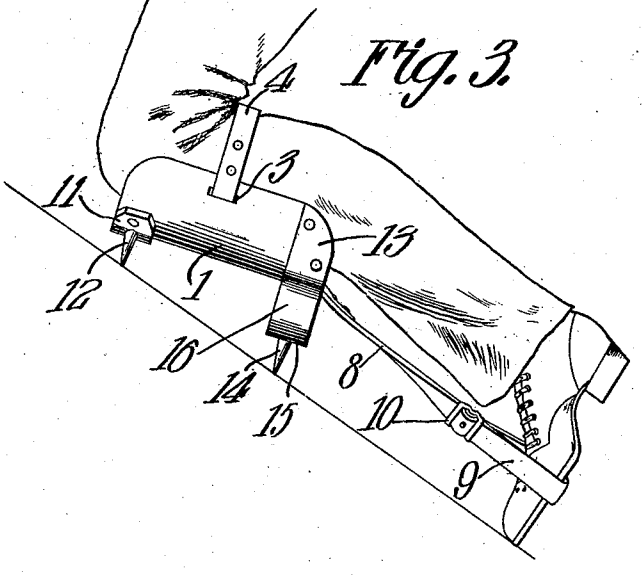



Fig. 3.




Witnesses

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# UNITED STATES PATENT OFFICE.

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## ROOF-CLIMBER.

No. 906,082. Specification of Letters Patent. Patented Dec. 8, 1908.

Application filed December 20, 1907. Serial No. 407,327.

*To all whom it may concern:*

Be it known that I, ROBERT C. TALBOT, a subject of the King of England, residing at Camrose, Alberta, North-West Territories, Dominion of Canada, have invented a new and useful Roof-Climber, of which the following is a specification.

This invention relates to a device for the use of workmen who are employed on steep pitched roofs, and has for its object to produce a simple, cheap, and sure attachment to be applied to the knees of men working on roofs to prevent them slipping off.

The invention consists broadly of a curved plate padded on its concave side on which the workman kneels, and having at its upper and lower external ends a plurality of spikes to penetrate the roof and hold the wearer from being dislodged.

A further object of the invention is to provide means for preventing the device from riding up the leg beyond the knee, or the wearer from slipping down and off the pad while at work.

With these and other objects in view the invention consists of the novel construction, combination and arrangement of parts hereinafter described and pointed out in the claims.

In the accompanying drawings: Figure 1 is a perspective view of the improved device. Fig. 2 is a cross section of the same. Fig. 3 is a side view showing the application of the device.

Similar reference numerals are used for the same parts on all the figures.

The numeral 1 indicates a transversely curved plate of suitable length for the purpose, lined on the concave or inner side with felt or other soft substance 2 to afford a padded surface for a man's knee and part of the leg below it. Through each side edge of the plate intermediate the ends there is made a rectangular opening 3, in one of which openings is fastened a strap 4 long enough to pass behind the leg and fasten to a buckle 5 attached by a short loop 6 in the other hole 3 on the opposite edge of said curved plate. Over each opening 3, the felt lining or pad 2 is slit for the passage therethrough of the strap ends which are then doubled upon the body of the straps and riveted thereto. By this means the pad is held in place on the plate. Near the bottom of the plate 1 is another opening 7 in which is fastened in the same manner a strap 8 extending downward to the foot when the device is in on the leg and formed with a loop 9 to engage the foot and prevent the climber being displaced upward. The strap 8 is made adjustable and held by a buckle 10 to suit legs of different lengths. It also passes through a slit in the lining 2 to assist in holding the lining in place.

Riveted to the top of the climber in contact with its outer surface and centrally disposed thereon, is a curved metal strip 11 from which a plurality of spurs 12 project, preferably in a radial direction and in a plane perpendicular to the axis of the curved plate 1. The spurs are screwed, riveted, or otherwise fastened to the strip 11, and their outer ends, which are sharpened, are in the same straight line so that when in use all the spurs will rest on the roof and be forced into it should any weight be brought to bear on the plate. At the opposite or lower end of the plate 1 is riveted a second strip 13 provided with spikes 14, but in this case the spikes are attached to a relatively straight transverse section 15 of the strip 13, held away from the plate 1 by bending the strip rearwardly at 16 and then curving the ends to fit the plate.

As thus constructed, the padded plate 1 will incline upwardly at its lower end from the plane of the roof, as clearly shown in Fig. 3, for the purpose of relieving the foot and toes from undue strain. When the climbers are attached to a workman each strap 4 is passed around a leg above the calf and the feet slipped into the loops 9 of the straps 8. If the man should now kneel on a roof the spurs would be driven in the woodwork and the climbers held tightly in place. The knee straps 4 and feet straps 8 prevent the man slipping off the climbers and because of their angle with the roof his toes just touch it and are free from cramping.

Having thus fully described the invention what is claimed is:—

1. A roof climber comprising a plate curved transversely along its longer dimension and having a fastening strap, padding located upon the concaved side of the plate and spurs at the end of said plate, the points of the spurs at the lower end of said plate projecting a greater distance therefrom than those at the upper end.

2. A roof climber comprising a padded curved plate having a fastening strap, spurs at the upper end of said plate projecting radially therefrom with their points in a straight line, and spurs on the lower end of said plate with their points in a line and at a greater distance from the plate.

3. A roof climber comprising a padded curved plate having a strap to fasten said plate to the leg of a wearer, spurs on the upper and lower ends of said plate the lower spurs projecting beyond the convex face of the plate a greater distance than the upper spurs, and a strap attached to the lower end of said plate to connect with the foot of the wearer.

4. A roof climber comprising a padded curved plate, a fastening strap and buckle connected to opposite side edges of the plate and the pad, a curved strip having spurs projecting therefrom fastened to the upper end of said plate and a second strip riveted to said plate at the bottom and having a relatively straight portion provided with spurs held away from said plate.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ROBERT C. TALBOT.

Witnesses:
W. T. HUGHES,
HUGH STEWART.