Sept. 14, 1926. 1,600,103

C. J. EVANS

LADDER BOOT

Filed March 21, 1925

Fig. 1.

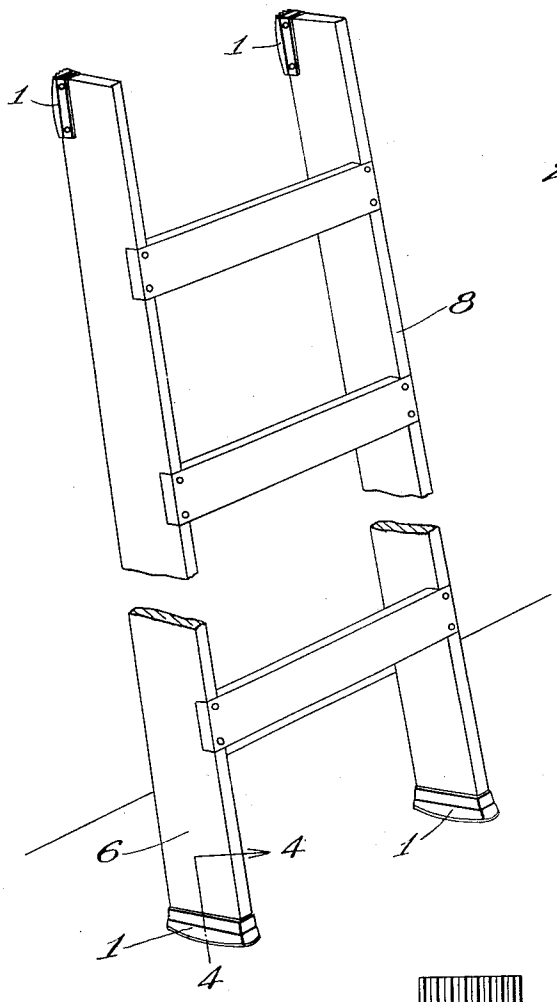


Fig. 2.

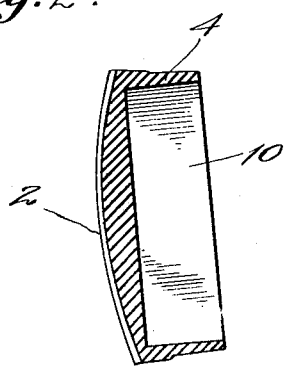


Fig. 3

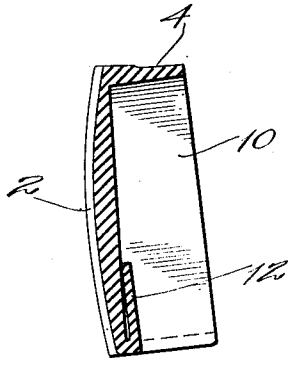


Fig. 4.

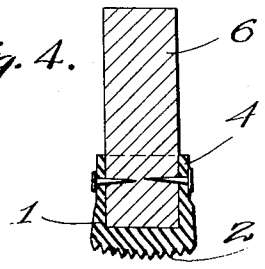
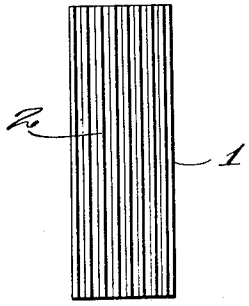


Fig. 5.



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UNITED STATES PATENT OFFICE.

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LADDER BOOT.

Application filed March 21, 1925. Serial No. 17,288.

The object of this invention is the provision of a boot for different classes of ladders which frictionally engage with the surface on which the ladder is supported and the surface against which the ladder leans in a manner to positively prevent the slipping of the ladder and injury to the user thereof. It is a further object to provide a boot for ladders having one of its ends divided from the body thereof, whereby the divided end may be folded against the inner wall of the base of the boot to materially increase the thickness thereof, and further whereby the boot may be positioned on the bottom of the leg portions of the ladder or on the upper ends of said legs.

To the attainment of the above broadly stated objects and others which will present themselves as the nature of the invention is better understood, reference is to be had to the drawings which accompany and which form part of this application.

In the drawings:—

Figure 1 is a perspective view of a step-ladder provided with the improvement.

Figure 2 is a central longitudinal sectional view through the boot.

Figure 3 is a similar sectional view showing the divided end portion of the boot folded against the inner wall thereof.

Figure 4 is a sectional view on the line 4—4 of Figure 1.

Figure 5 is a bottom plan view of the boot.

As disclosed by the drawings, my improved anti-slipping boot is designed to be arranged on both the top and bottom of a ladder so that a frictional engagement will be exterted between the ground surface on which the ladder is supported and against the surface on which the ladder leans.

Each of the boots has its base portion 1 of a materially greater thickness than its body portion. The base portion 1 of each boot is rounded on its outer face, so that the said base is thickest at the center thereof. Preferably the base has its outer face rounded both longitudinally and transversely, and the said outer face is formed with ribs and grooves. The ribs 2 are V-shaped in cross section, and the base is susceptible to compression so that these ribs will effectively grip with the surface on which they rest, and consequently hold the ladder from slipping either laterally or longitudinally. The boots have their inner faces formed with rectangular pockets 10. The side and end walls of these pockets are reduced in thickness, as at 4, for a suitable distance above the base. This materially adds to the elasticity of the pocket portions of the boots so that the same will grip the sides and edges of the legs 6 of a ladder 8. If desired, however, securing means may be passed through the sides 3 of the boots to enter the ladder legs or stiles. One end of the boot is divided from the sides thereof. This end, indicated by the numeral 12 on the drawings, may be folded against the inner wall of the pocket in the boot and will add materially to the thickness of the said boot at this end thereof. This allows the boot to have its frictional surface in a line with the surface engaged thereby and is a desirable feature when the boot is positioned on the upper end of the ladder leg as disclosed by Figure 1 of the drawings. The end 12, is, of course, not folded in the pocket when the boot is employed upon the lower end of the ladder leg.

Having described the invention, I claim:—

An anti-slipping boot for ladders comprising an elastic member having a pocket in the outer face thereof and having its base of a greater thickness than the body thereof, said base having its outer face formed with ribs, the inner wall of the base being inclined from one to the opposite end thereof, and one of the end walls of the boot being separated from the side walls thereof.

In testimony whereof I affix my signature.

CHARLES J. EVANS.