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L. S. NULL ET AL
METAL CLIP-ON SAFETY TOE

2,625,753

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Fig. 1.

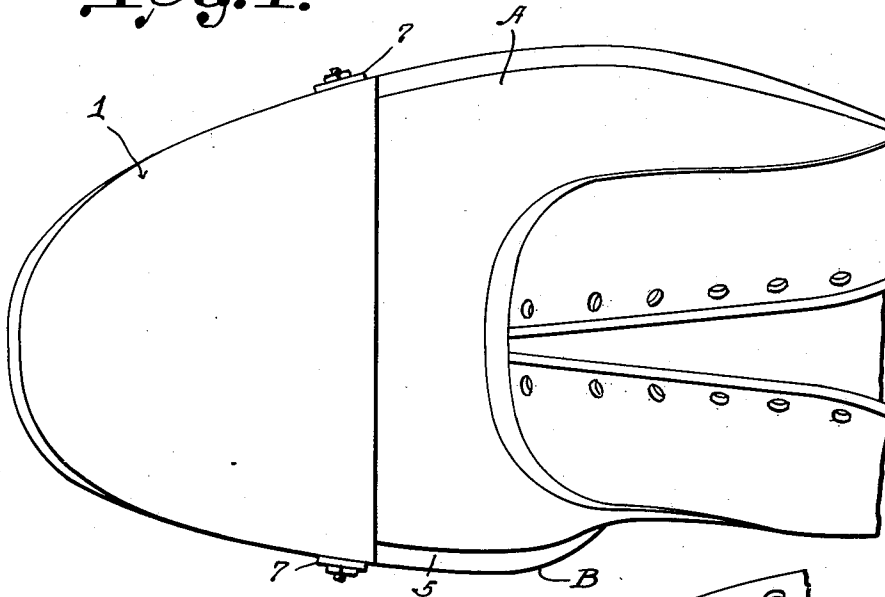


Fig. 2.

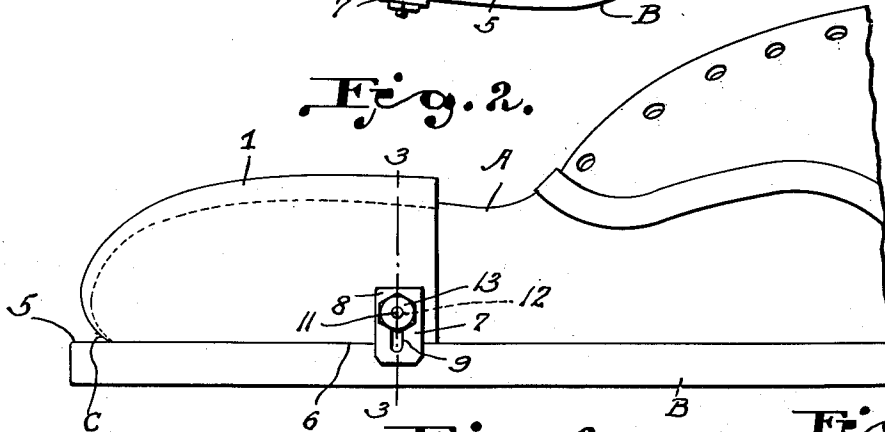


Fig. 3.

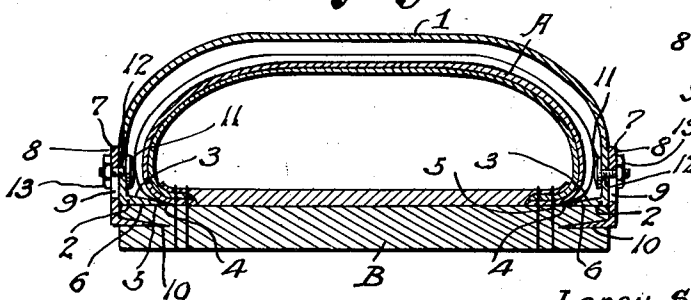
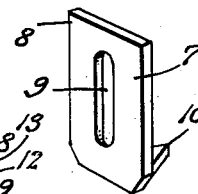


Fig. 4.



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METAL CLIP-ON SAFETY TOE

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3 Claims. (Cl. 36-72)

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The present invention relates to improvements in toe-guards for foot wear.

The principal object of the invention is the provision of a novel metallic toe-guard adaptable to be readily and removably applied to the toe of a boot or shoe to protect the latter and the feet of the wearer from contact with machinery and other objects encountered during industrial work and the like.

Another object is to provide a metallic toe-guard having novel clip fastening means to enable the same to be removably secured to toe portion of an article of footwear for protective purposes.

A further object is to provide a toe-guard adapted to be removably applied to the toe of a boot and having a fastening clip arranged thereon at a point ahead of the rear of the guard so that the positioning of the latter on the boot will not interfere with the normal bending or flexing of the boot while the wearer is walking.

These and other objects and advantages will be apparent by reference to the accompanying drawings, wherein

Figure 1 is a plan view of the toe-guard assembled in position on a boot;

Figure 2 is a side view of the toe-guard assembled in position on a boot;

Figure 3 is a section on the line 3-3 of Figure 2; and

Figure 4 is a perspective view of one of the fastening clips.

Referring more particularly to the drawings, wherein similar reference characters designate like parts throughout the several views, the numeral 1 refers to our novel toe-guard which is in the form of a cap of sheet metal or other suitable rigid material formed and shaped to constitute a cover substantially conforming to and extending over the vamp or fore part of the upper A of footwear, which for purposes of illustration is the form of a boot.

The lower edge of the cap 1 is formed with an inwardly extending flange 2 which is tapered, as at 3, to provide a relatively sharp peripheral edge 4 which is adaptable to extend, as shown in Figure 3, between the marginal portion 5 of the boot sole B and under the bulge C of the vamp of the upper where the upper is connected by stitching to the sole. The underside 6 of the flange is substantially flat to snugly and flatly engage the marginal portion 5 of the sole circumferentially around the entire toe portion thereof so that the pointed peripheral edge 4 of the flange will interfit adjacent the stitching be-

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tween the upper and sole thereby securely positioning the toe-guard on the toe portion.

After the cap is arranged and positioned on the toe portion of the boot, the same is locked thereon by means of a pair of fastening clips 7, preferably of metal.

Each of the clips 7 embody a relatively flat vertical portion 8 having an elongated vertical slot 9 extending therethrough. Extending laterally and inwardly from the base of the vertical portions 8 is a relatively sharp pointed spur 10 which is adapted to be forced into the edge of the marginal portion 5 of the sole, as best shown in Figure 3. Relatively small headed and threaded bolts 11 suitably welded to the sides project outwardly through openings 12 in the sides of the cap 1 and thence through the slots 9 so that nuts 13 on the outer ends of the bolts 11 serve to retain the clips 7 positioned on the cap. It will be apparent that the slots 9 in the clips 7 enable the latter to be vertically adjusted relative to the cap, prior to tightening of the nuts 13, so that the spurs 10 may be embedded at predetermined positions in the margins of the sole.

It will be noted that the clips 7 are arranged on the sides of the cap at points slightly in front of the rear marginal edge of the latter. Thus, when the cap is arranged on the boot, the cap will be so positioned on the toe portion with the fastening clips contained entirely thereon that there will be no obstruction over the balance of the vamp portion of the boot so as to interfere with the normal bending or flexing of the boot which occurs during movement of the feet.

While a preferred embodiment of our invention has been shown and described, it will be understood that various changes and improvements may be made without departing from the scope and spirit of the appended claims.

Having thus described our invention,

What we claim is:

1. A toe guard comprising a cap for covering the fore part of an article of footwear, said cap having a relatively flat tapered flange extending inwardly from the base thereof seatable on top of the marginal portion of the footwear sole, and fastening clips being removably connected to the sides of said cap adjacent the rear portion thereof, said clips having pointed spurs on the base thereof adapted to be embedded in the edge of the marginal portion of the sole whereby said cap is securely mounted on the footwear.

2. A toe guard comprising a cap for covering the fore part of an article of footwear, said cap having a relatively flat tapered flange extending

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inwardly from the base thereof seatable on top of the marginal portion of the footwear sole, and fastening clips arranged on opposite sides of said cap adjacent the rear portion thereof, said clips having a vertical slotted portion adapted to be removably and adjustably connected to said cap, pointed spurs being formed on the base of said clips adapted to be embedded in the edge of the marginal portion of the sole whereby said cap is securely mounted on the footwear.

3. A toe-guard comprising a metal cap for covering the fore part of an article of footwear, said cap having a relatively flat tapered flange extending inwardly from the base thereof seatable on top of the flat marginal portion of the foot- 15

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wear sole, and metal fastening clips arranged on opposite sides of said clips adjacent to and in front of the rear portion thereof, said clips having a vertical slotted portion, means extending through said cap and said slotted portion for removably and vertically adjustably connecting said clips to the sides of said cap, pointed spurs being formed on and extending inwardly from the base of said clips adapted to be embedded in the edge of the marginal portion of the sole whereby said cap is securely mounted on the footwear.

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No references cited.