W. O. BUNNELL AND Q. A. GATES.

BOOT AND SHOE TOE PROTECTOR.

APPLICATION FILED DEC. 12, 1917.

1,383,905. Patented July 5, 1921.

Fig. 1.

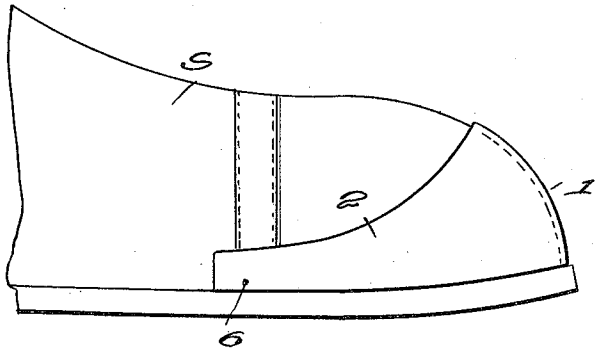


Fig. 4.

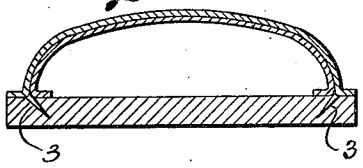
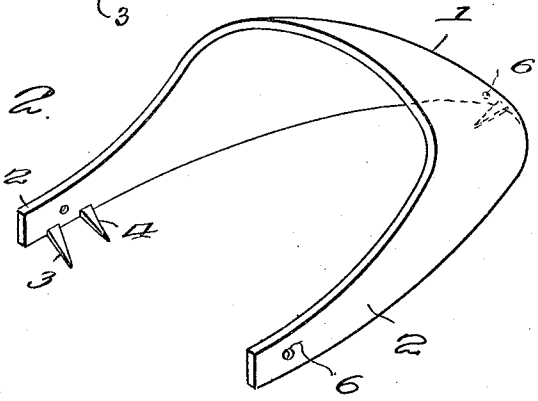


Fig. 2.



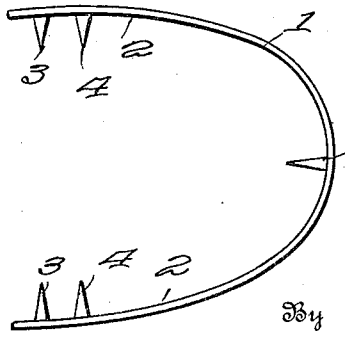


Fig. 3.

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WILLIAM O. BUNNELL AND QUINCY A. GATES, OF WILKES-BARRE, PENNSYLVANIA; ROSE P. BUNNELL ADMINISTRATRIX OF SAID WILLIAM O. BUNNELL, DECEASED.

BOOT AND SHOE TOE PROTECTOR.

1,383,905. Specification of Letters Patent. Patented July 5, 1921.

Application filed December 12, 1917. Serial No. 206,802.

To all whom it may concern:

Be it known that we, WILLIAM O. BUNNELL and QUINCY A. GATES, citizens of the United States, residing at Wilkes-Barre, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Boot and Shoe Toe Protectors, of which the following is a specification.

This invention relates to improvements in boot and shoe attachments and it is the principal object of the invention to provide a toe protector whereby the toes of boots or shoes will be prevented from wearing or tearing even when subjected to the roughest of use, thereby affording a device especially desirable for use by farmers, lumbermen, children, etc. and adding materially to the life of boots or shoes provided with the same.

Another and equally important object of the invention is to provide a novel form of fastening means for the protector, whereby the same may be engaged with the sole of a boot or shoe in a manner such as will not break or rupture the stitching therethrough or mar or injure the toe of the same and yet, will positively prevent the accidental displacement or loosening of the same.

Other objects will be in part obvious and in part pointed out hereinafter.

The improvements in the details and arrangement of parts will be apparent from an inspection of the accompanying drawings, in connection with the specific description hereinafter contained, and wherein the preferred embodiments of the invention are disclosed for the purpose of imparting a full understanding of the same.

In the drawings:—

Figure 1 is a fragmental side elevation of a shoe with my improved protector applied to the toe of the same,

Fig. 2 is a perspective of the improved protector, and

Fig. 3 is a bottom view of the same.

Fig. 4 is a vertical transverse section through the protector and sole.

Having more particular reference to the drawings and in connection with which like reference characters will designate corresponding parts throughout the several views, 1 represents the improved protector in its entirety, it being noted in this connection, that the same is of a size and shape complemental to the toe portion of the shoe S with which the same is engaged and also, that the forward portion of the protector is enlarged and is received over the toe portion of the shoe, while the sides thereof are extended as at 2 and are adapted to be arranged in proximity to the adjacent sides of the shoe sole.

Prongs or spurs 3, 4 and 5 are formed upon the protector, the prongs 3 and 4 being arranged in substantially parallel relation and connected with the rear terminals of the sides of the protector, while the prong 5 is formed integral with and arranged upon the protector at a point adjacent the relatively wide front portion thereof, or that portion of the protector which receives the toe portion of the shoe. As clearly shown, the several prongs or spurs are directed angularly and downwardly so as to penetrate the material of the sole of the shoe without perforating or mutilating the upper of the shoe.

A plurality of openings generally indicated by the numeral 6 are formed in the forward portion of the protector and the extensions or sides 2 of the same, at points in proximity to the prongs or spurs 3, 4 and 5; these openings serving as means for permitting the passage of nails or like fastening devices through the protector into engagement with the shoe sole in the event that the prongs become broken or otherwise rendered useless. Obviously, the practicability and durability of the protector is materially enhanced by this arrangement.

It is to be understood, that the improved protectors are preferably formed of metal, although we desire it to be also understood that various kinds of material may be substituted therefor if desired.

Manifestly, the construction shown is capable of considerable modification and such modification as is within the scope of our claim, we consider within the spirit of our invention.

We claim:—

A shoe protector corresponding in shape to the forward portion of a shoe and adapt-

ed to be fitted thereon, tapered rearwardly directed extensions formed integral with the protector, penetrating prongs arranged on the terminals of the extensions extending downwardly therefrom and adapted to penetrate the portion of the sole of a shoe lying outwardly of the upper, and a fastening prong carried by the front portion of the protector to retain the same in engagement with a shoe.

In testimony whereof, we affix our signatures hereto.

WILLIAM O. BUNNELL.
QUINCY A. GATES.