Feb. 14, 1933. W. S. WHITE 1,897,349

CURVED BOOT TOP, SHOE TOP, AND SHOE TONGUE TOP

Filed Oct. 24, 1928

Fig. 1

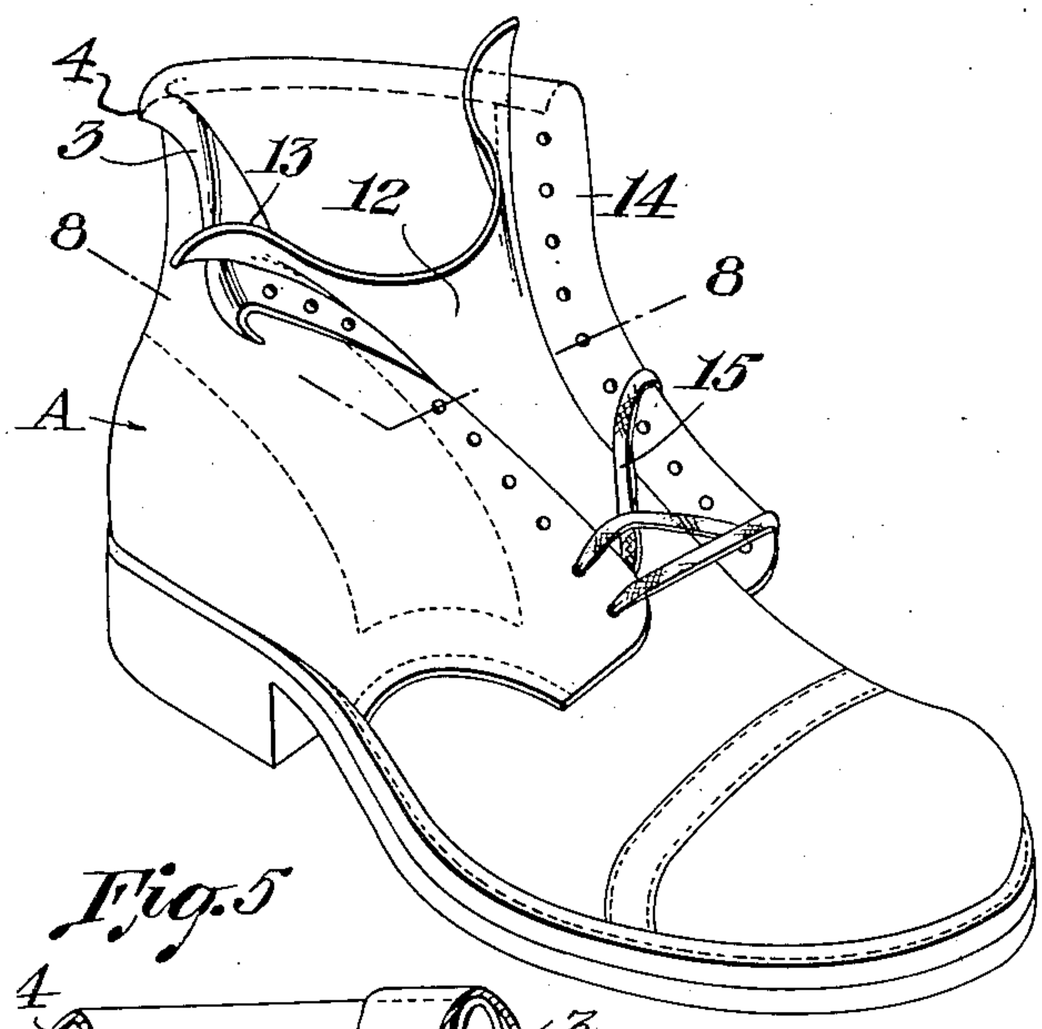


Fig. 2

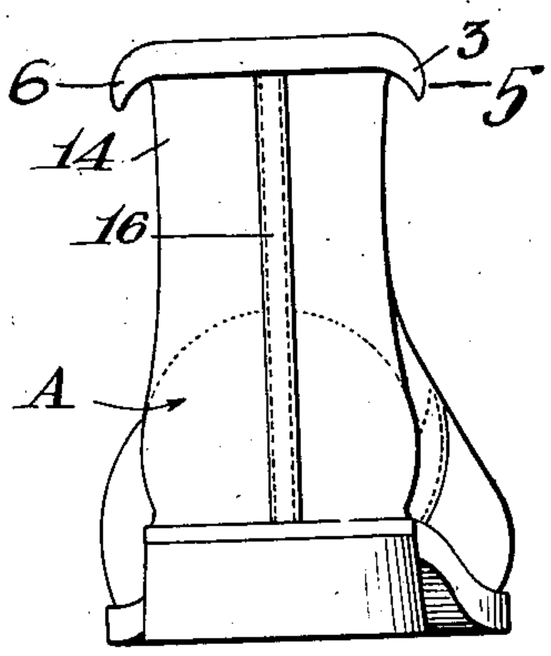


Fig. 6

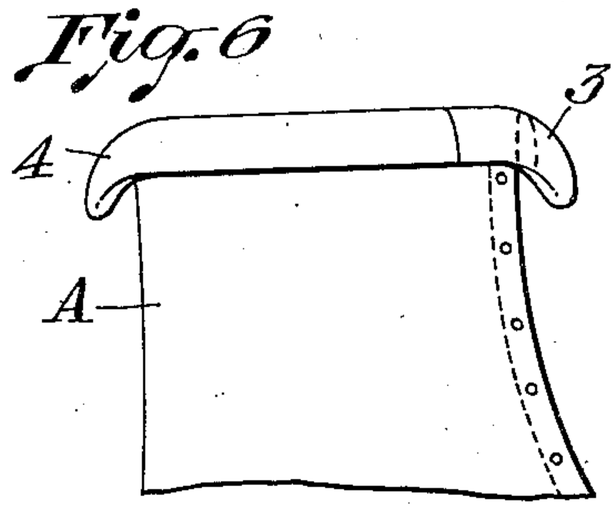


Fig. 5

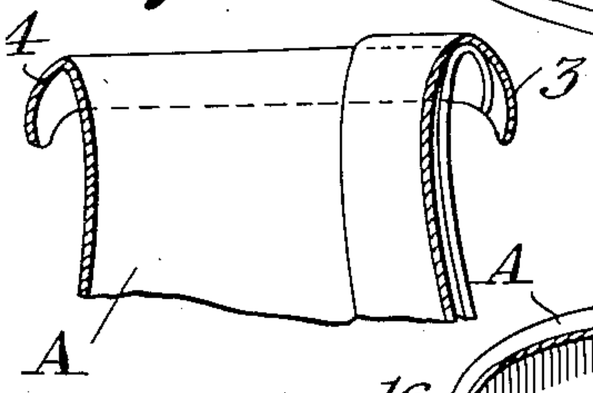


Fig. 3

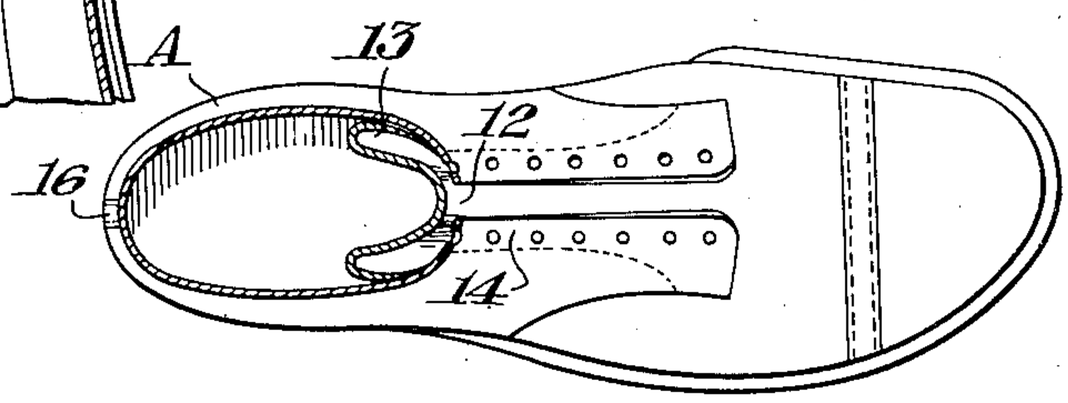
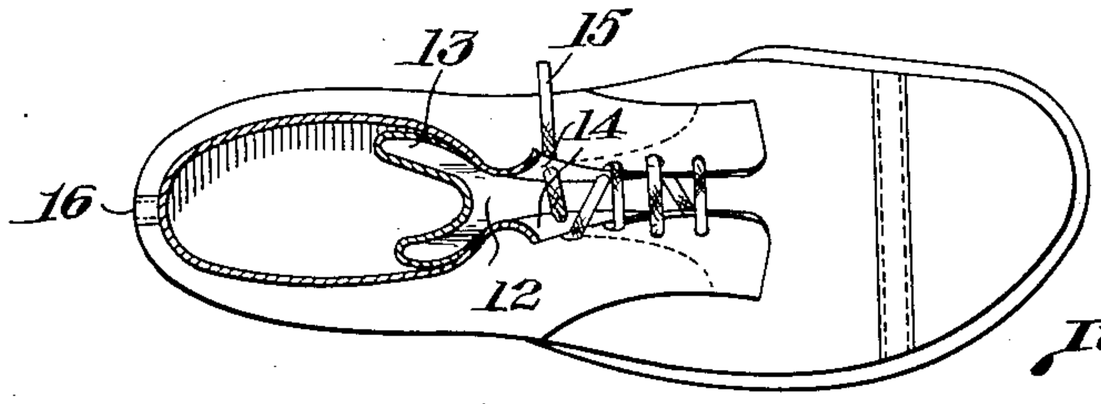


Fig. 4



Inventor:

William S. White

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1,897,349

UNITED STATES PATENT OFFICE

WILLIAM S. WHITE, OF PALMER, TENNESSEE

CURVED BOOT TOP, SHOE TOP, AND SHOE TONGUE TOP

Application filed October 24, 1928. Serial No. 314,786.

This present invention relates to boots and shoes, and has particular reference to heavy leather work shoes; also heavy all rubber work shoes, with the vamps of said shoes extending up to the top of the shoes, forming what is known as bellows tongue, in which the vamp and tongue of heavy shoes are formed out of the same piece of material.

This invention has for its principal object to produce a shoe and shoe tongue that curves outwardly at the shoe top, and that curves outwardly at the shoe tongue top, at such an angle and degree of curvature as to prevent the hard top edges of the shoe, and shoe tongue top of heavy work shoes from coming in contact with the leg or ankle of any person wearing curved top shoes.

A further object of this invention is to produce a shoe and shoe tongue, with the shoe top curved outwardly, and the shoe tongue top curved outwardly in such a gradual and graceful curve that it will make the shoe easy to put on the foot, and still look neat and trim.

A still further object of my invention is to produce a shoe and shoe tongue, with the top of the shoe, and the top of the shoe tongue, curved outwardly with the extreme top edges of the shoe and shoe tongue curved downwardly at such an angle that will best prevent the sharp top edges of the shoe, and shoe tongue from rubbing holes in the leg portion of hosiery, and the leg portion of the underwear of any person walking in curved top shoes.

With these and other objects in view which will readily appear as the nature of my invention is better understood, the same consists in the improved construction and novel arrangement of the curves in the shoe top, and shoe tongue top, which will be hereinafter more fully described, and particularly pointed out in the claims hereunto appended.

In the accompanying drawing has been illustrated a simple and preferred form of my invention, it being however understood that no limitation is necessarily made as to the precise angle and degree of curvature therein exhibited, but that changes, alterations and modifications within the scope of the claims may be resorted to when found necessary to suit the different make and weight of shoes.

This invention will be better understood and can be more clearly described when reference is had to the drawing forming a part of this disclosure, wherein like characters indicate like parts throughout the several views.

In the drawing, Fig. 1 illustrates a perspective view of a shoe and shoe tongue, with the top of the shoe, and the top of the shoe tongue curved outwardly, and the extreme top edges of the shoe and shoe tongue curved downwardly in accordance with my invention.

In the drawing, Fig. 2 illustrates a back view of a shoe equipped with an outwardly and downwardly curved shoe top in accordance with my invention.

Fig. 3 is a cross-sectional view, taken on the horizontal plane 8—8 of Fig. 1, of a shoe made in accordance with this invention showing the manner in which the bellows tongue folds into position when the shoe is being worn on the foot.

Fig. 4 is a view similar to Fig. 3 with the added showing of the lacing and the manner in which the lacing flaps are bent back during the lacing operation.

Fig. 5 is a vertical cross-sectional view of a portion of a shoe made in accordance with this invention and showing the outward and downward curve of the shoe top and shoe tongue top when the shoe is worn on the foot.

Fig. 6 is a side elevational view similar to Fig. 5 showing also the outward and downward curve of the shoe top and shoe tongue top.

In the drawing, Fig. 5 shows a side view of the shoe A with the top edge of the bellows tongue curved outwardly and downwardly at 3 at any angle of curvature as desired, so the sharp hard top of the bellows shoe tongue will not come in contact with the leg or ankle of any one wearing these curved top shoes.

In the drawing, Fig. 1 shows a perspective view of the shoe A with the top edges of the side and back part of the shoe A

curved outwardly and downwardly at 4 at any angle or degree of curvature as desired, so the hard sharp top of the shoe A will not come in contact with the leg or ankle of the wearer.

In the drawing, Fig. 2 shows a back view of the shoe A with the right hand side of the shoe top A curved outwardly and downwardly at 5 and the left hand side of the shoe top A curved outwardly and downwardly at 6 at any angle and degree of curvature as desired so the sharp top of the shoe A will not come in contact with the leg or ankle.

In the drawing, Fig. 1 shows a perspective view of the shoe A with the whole top of the shoe A curved outwardly, and the extreme top edge of the whole shoe A curved downwardly at 4 which effectively prevents the hard sharp top edge of the shoe A from coming in contact with the leg or ankle.

In the drawing, Fig. 6 shows a side view of the tongue of the shoe A with the tongue top curved outwardly and the extreme top edge of the shoe tongue curved downwardly at 3 and 4 which prevents the shoe tongue top from coming in contact with the leg or ankle.

Numeral 12 indicates the shoe tongue and 13 indicates the fold in the tongue; 14 indicates the quarter sections terminating at the front in lacing flaps and 15 the lace. Numeral 16 designates the back stay.

The above shoe tongues referred to, are a part of the upper end of the shoe vamp, the upper part of the shoe vamp extends up to the top edge of the shoe, thereby forming what is known as a bellows tongue used in heavy work shoes, and more especially used in heavy all rubber work shoes, to make the shoe front snow excluding.

I obtain the above described objects and curves by means of shoe lasts with the tops of the shoe lasts curved outwardly and downwardly, and with shoe fitting forms, with the tops of the shoe fitting forms curved outwardly and downwardly, by which means the curves are formed in the shoe tops, and in the shoe tongue tops, by building or molding the curves in the shoe tops and shoe tongue tops around these curved top shoe lasts and shoe fitting forms.

From the foregoing description taken in connection with the drawing hereunto annexed, it will be seen that I have produced a simple and efficient shoe that will fulfill all the necessary requirements of such a device, but as many changes could be made in the above description, and many apparently widely different embodiments of my invention may be employed within the scope of the appended claims without departing from the spirit or scope thereof. It is intended that all matters contained in the said accompanying specification and drawing shall be interpreted as illustrative and not in a limiting sense.

Having thus fully described my invention, what I particularly point out and claim that is new and novel, and which I desire to secure by Letters Patent, is the following claims:

1. In a heavy work shoe with the upper edges of the quarter and tongue being curved outwardly, with the extreme outer edges of the shoe quarter and shoe tongue being curved downwardly, whereby chafing of the wearer at the upper edges of the shoe and shoe tongue is prevented, said curved upper edges being of the same thickness as the adjacent quarter and tongue portions.

2. In a heavy leather work shoe with the upper edges of the shoe quarter and shoe tongue curved outwardly, with the outer edges of the shoe quarter and shoe tongue being curved downwardly to any curvature desired whereby chafing of the legs and ankles of the wearer by the upper edges of the shoe quarter and shoe tongue is prevented, said curved upper edges of the shoe quarter and shoe tongue being of the same thickness as the adjacent quarter and tongue portion.

3. In a heavy rubber work shoe, with the upper edges of the shoe quarter and shoe tongue curved outwardly, with the outer edges of the shoe quarter and shoe tongue being curved downwardly to any curvature desired whereby chafing of the legs and ankles of the wearer by the upper edges of the shoe quarter and shoe tongue is prevented, said curved upper edges of the shoe quarter and shoe tongue being of the same thickness as the adjacent quarter and tongue portions.

Signed at Palmer, in the county of Grundy and State of Tennessee.

WILLIAM S. WHITE.