Jan. 14, 1936. E. L. SHULTZ 2,027,557

SHOE

Filed June 8, 1934

Fig. 1.

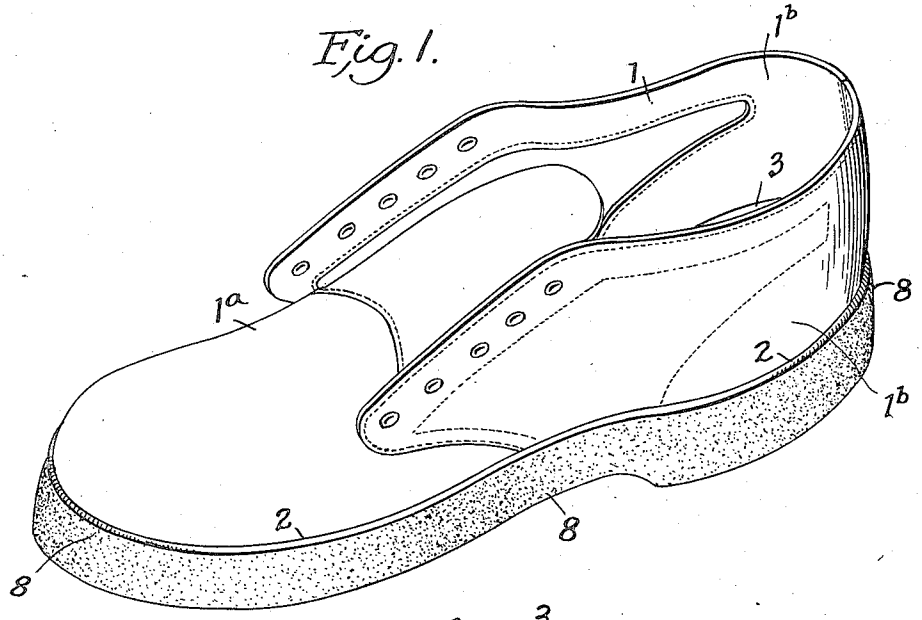


Fig. 2.

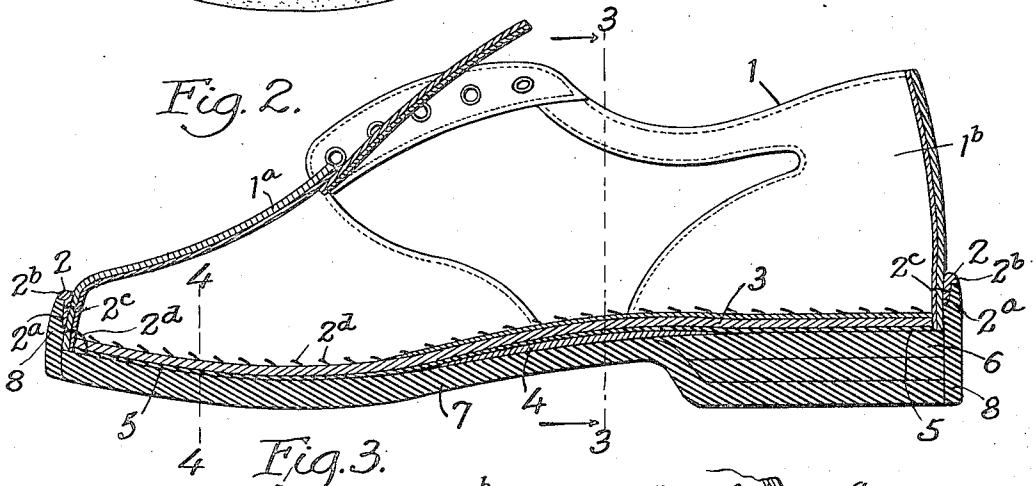


Fig. 3.

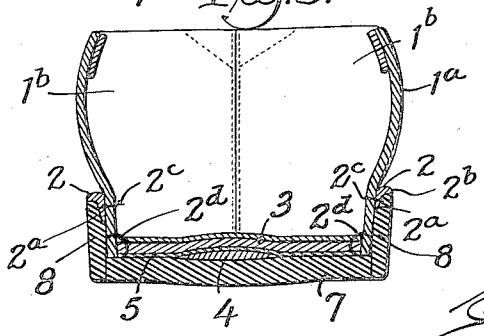
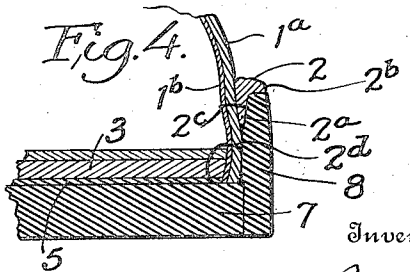


Fig. 4.



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2,027,557

SHOE

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Application June 8, 1934, Serial No. 729,718

5 Claims. (Cl. 36—14)

This invention is an improvement in athletic shoes of the general type shown in Steed Patent No. 1,753,872, and its object is to provide athletic shoes of superior wearing qualities that can be made more quickly and more cheaply than the shoe disclosed in said patent.

In the accompanying drawing I have illustrated a sport shoe constructed in accordance with my invention and embodying the improvements and advantages hereinafter set forth and I will describe the shoe with reference to said drawing and summarize in the claims the essential features and combination of parts for which protection is desired.

In the drawing:

Fig. 1 is a view of the complete shoe.

Fig. 2 is a longitudinal sectional view through the shoe.

Fig. 3 is a transverse section through the shank portion of the shoe on line 3—3, Fig. 2.

Fig. 4 is an enlarged detail section on the line 4—4, Fig. 2.

The shoe comprises an upper 1, of leather or other suitable material, the vamp thereof being preferably lined with cloth or canvas. Preferably the quarters 1*b* of the upper are first stitched together, and then stitched to the cloth-lined vamp 1*a*. The particular construction of the upper however is not an essential part of the present invention.

A welt 2, preferably of vulcanized rubber, is stitched to and around the entire upper of the shoe, being located about a half inch or so above the lower edge thereof. Said welt has a thin depending portion 2*a* stitched to the upper as indicated at 2*c*, and an outwardly projecting head or flange 2*b* on its upper edge for a purpose hereinafter shown.

The lower edge of the upper thus formed, is then secured to the outer edge of an insole 3, of leather or other suitable material, preferably by means of over and over stitches, as shown at 2*d*, the lower edge of the upper being preferably flush with the lower surface of the insole 3.

After the shoe parts have been thus far assembled, a last (not shown) is inserted and expanded therein so as to hold the aforesaid parts in their proper relative positions during the application of the exterior sole and foxing.

While the parts are on the last, as described, the bottom of the leather insole 3 is coated with a suitable cement, and a shank piece 4, preferably of wood, is placed upon the shank portion of the insole and retained by the cement.

A thin middle sole 5, preferably of crepe rubber, coated with suitable cement on both sides, is then applied to the exterior of the leather insole 3 and over the shank piece 4, and securely held in place by the cement.

One or more heel lifts 6, preferably of crepe rubber, coated with cement may then be applied to the heel portion of the crepe rubber middle sole 5 as shown.

An outer sole 7, preferably of crepe rubber of substantial thickness having its upper surface coated with cement, is then applied over the crepe rubber middle sole 5, the outer edge of the sole 5 being flush with the outer surface of the part of the upper below the welt 2.

Finally a foxing 8, preferably of crepe rubber of substantial thickness, of a height sufficient to extend from the underside of the bead 2*b* of the welt 2 to the lower surface of the sole 7, is coated with cement and applied over and against the outer surface of the part of the upper depending below the bead 2*b*, and against and over the outer edges of the insole 5 and outsole 7; the lower edge of the foxing 8 being trimmed even with the lower edge of the outsole shank and heel lift portions of the shoe as shown.

The insole 3, outsole 7, and foxing 8 being of crepe rubber, and securely united by the proper cement, become practically integral and inseparable.

The welt bead 2*b* protects the upper edge of the foxing 8 which extends down to the lower edge of the outsole and covers the lower portion of the upper below welt 2 and also the outer edge of the sole neatly and uniformly entirely around the shoe. No portion of the sole projects beyond or below the foxing, and the foxing prevents objects catching on the edge of the outsole, and tearing the outsole from the insole, as is liable when the outer edge of the outsole is exposed; and the foxing makes a strong and protective connection between the outer edge of the outsole and the upper.

If desired, the middle sole, outsole and foxing could be made of vulcanizable rubber and vulcanized after assembly, but I prefer to make them of crepe rubber and thus avoid the expense and time required for vulcanization; and the resultant shoe thus constructed is handsome, comfortable and very durable.

I claim:—

1. A shoe of the character specified; comprising an upper, an insole, means connecting the lower edge of the upper to the periphery of the insole, the lower edge of the upper lying approxi-

mately in the plane of the lower face of the insole; a beaded welt having a thickened flange on its upper edge secured to and around the upper above the insole, an outsole secured to the insole, and a foxing extending around the lower portion of the upper below the flange of the welt and around the outer edges of the outsole the lower edge of the foxing terminating in the plane of the lower face of the outsole.

2. A shoe of the character specified; comprising an upper, an insole, means connecting the lower edge of the upper to the periphery of the insole; a beaded welt stitched to and around the upper above the insole, a middle sole secured to the lower face of the insole, an outsole secured to the middle sole, and a foxing extending around the lower portion of the upper below the bead and around the outer edges of the outsole, the lower edge of the foxing terminating in the plane of the lower face of the outsole.

3. A shoe of the character specified comprising an upper, an insole, means connecting the lower edge of the upper to the peripheral edge of the insole; a middle sole secured to the insole; a beaded welt stitched to and around the upper above the insole, a crepe rubber outsole attached to the middle sole; and a crepe rubber foxing extending around the lower portion of the upper below the bead and around the outer edges of the outsole, the lower edge of the foxing terminating in the plane of the lower face of the outsole.

4. A shoe of the character specified comprising an upper, an insole, means connecting the lower edge of the upper to the periphery of the insole, the upper terminating at its lower edge in approximately the plane of the lower face of the insole, a crepe rubber middle sole cemented to the lower face of the insole, a crepe rubber outsole cemented to the middle sole; a crepe rubber foxing extending around the lower portion of the upper and around the outer edges of the outsole, the lower edge of the foxing terminating in the plane of the lower face of the outsole.

5. A shoe of the character specified, comprising an upper, an insole, means connecting the lower edge of the upper to the periphery of the insole, the upper terminating at its lower edge in approximately the plane of the lower face of the insole, a crepe rubber middle sole cemented to the lower face of the insole, a crepe rubber outsole cemented to the middle sole; a beaded welt stitched to and around the upper above the insole, a crepe rubber foxing extending around the lower portion of the upper below the bead and around the outer edges of the outsole, the lower edge of the foxing terminating in the plane of the lower face of the outsole.

EDWARD L. SHULTZ.