Aug. 10, 1954

C. O. CRISTY

WEDGE OR PLATFORM SHOE HAVING AN INSOLE AND PARTIAL SOLE

2,685,750

Filed Sept. 9, 1952

3 Sheets-Sheet 1

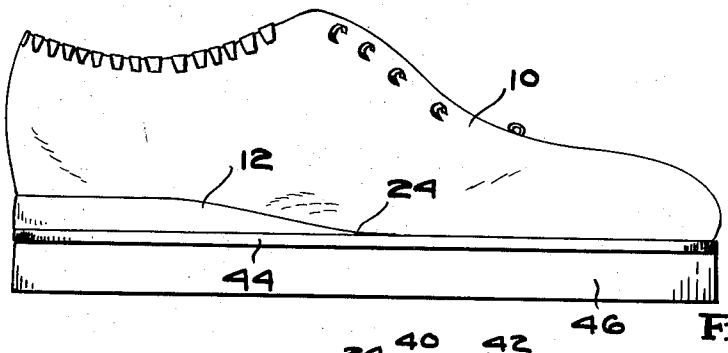



FIG. 1

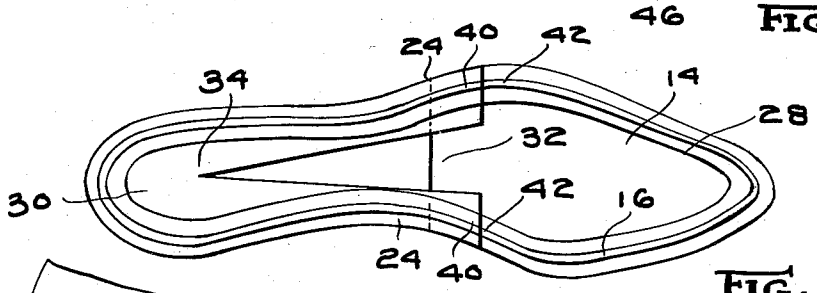



FIG. 2

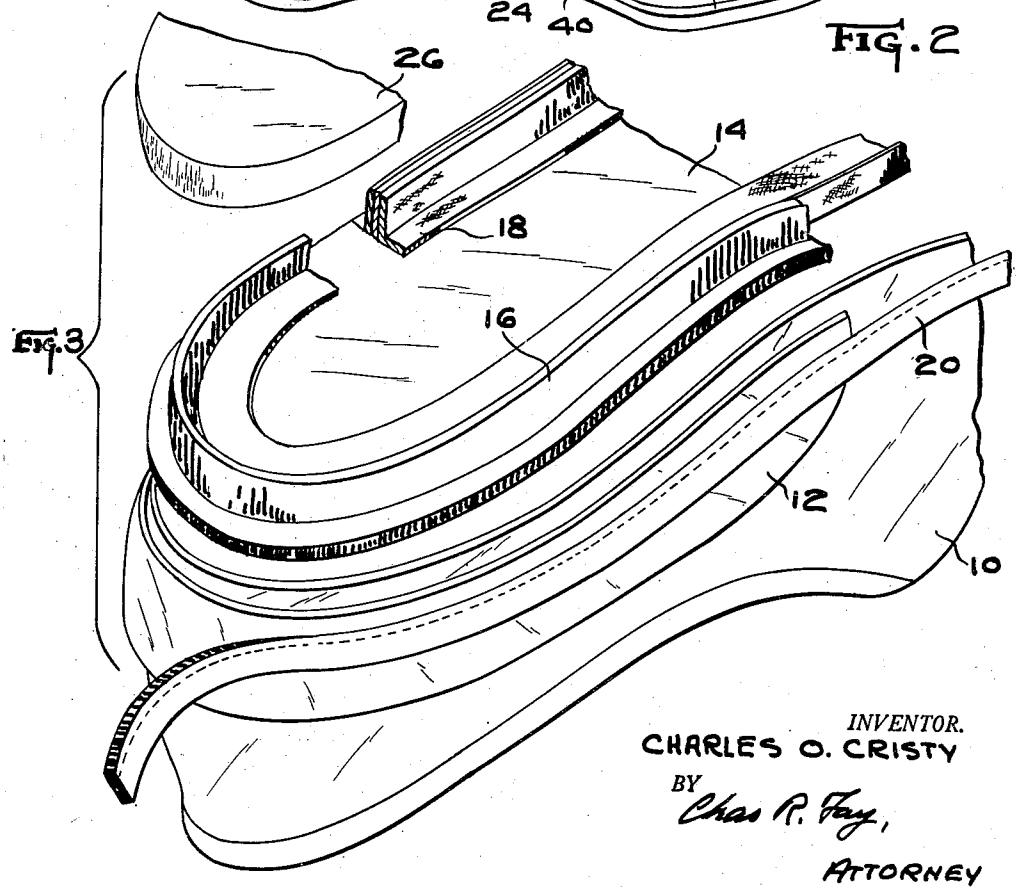



FIG. 3

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Aug. 10, 1954 C. O. CRISTY 2,685,750

WEDGE OR PLATFORM SHOE HAVING AN INSOLE AND PARTIAL SOLE

Filed Sept. 9, 1952 3 Sheets-Sheet 2

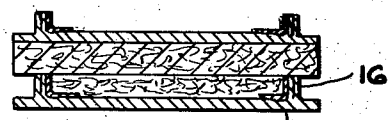



FIG. 5




FIG. 4

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Aug. 10, 1954 C. O. CRISTY 2,685,750

WEDGE OR PLATFORM SHOE HAVING AN INSOLE AND PARTIAL SOLE

Filed Sept. 9, 1952 3 Sheets-Sheet 3

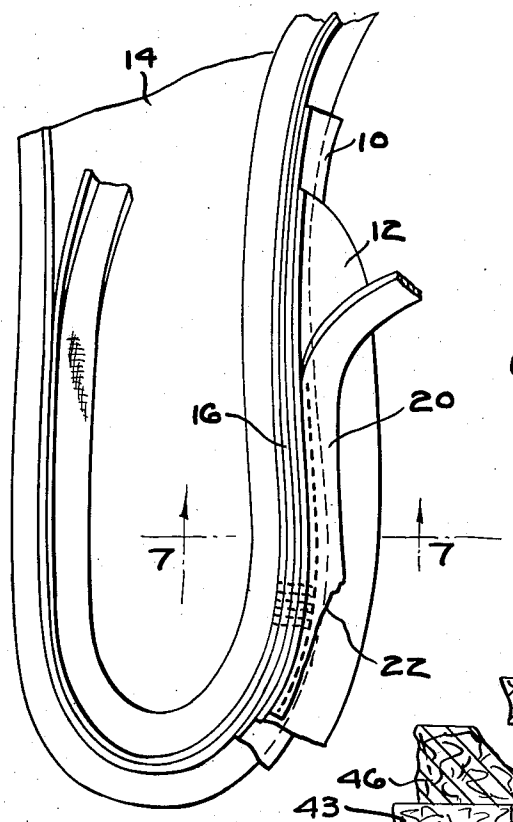



FIG. 6

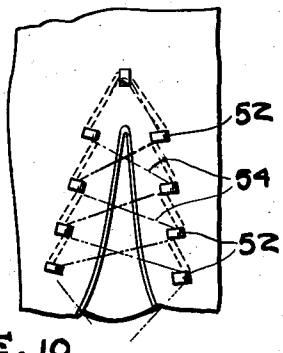



FIG. 10

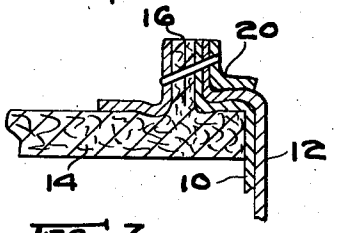



FIG. 7

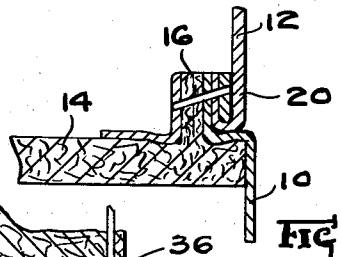



FIG. 8

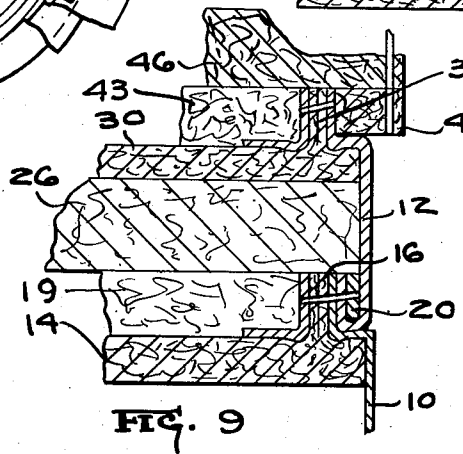



FIG. 9

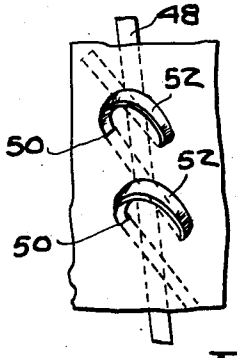



FIG. 11

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# UNITED STATES PATENT OFFICE

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## WEDGE OR PLATFORM SHOE HAVING AN INSOLE AND PARTIAL SOLE

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Application September 9, 1952, Serial No. 308,649

4 Claims. (Cl. 36—17)

1

This invention relates to a new and improved welt type wedge or platform shoe construction, and the principal object of the present invention resides in the provision of a new and improved wedge construction that is stronger, neater in appearance, and better wearing than wedge constructions of the prior art.

Another object of the invention resides in the provision of a wedge-type platform shoe construction embodying an insole having a sewing rib and a welt secured thereto, said welt being cut away to provide a relatively narrow but strong strip which extends exteriorly or on the outward face of the sewing rib and about the entire edge of the insole and including and covering the edge of the wedge or platform cover so as to firmly hold the same to the above-mentioned rib, said cover being turned down over the wedge to cover the same but being held in position to the insole by the above-named welt strip, the turned-down edge of the wedge cover being sewed to the sewing rib on a novel partial sole, which is applied to the wedge, and the sewing rib of which aligns with and merges with the sewing rib of the insole in the fore part of the insole which is now combined with the partial sole to present a single insole to which a welt is applied for the application of the outer sole.

Another object of the invention resides in the improvement of lacing strips and in a novel insole for the heel and shank portion of the shoe, which insole may be manually adjusted for better fit as will be described more particularly hereinafter.

Other objects and advantages of the invention will appear hereinafter.

Reference is to be had to the accompanying drawings, in which

Fig. 1 is a view in side elevation of a shoe according to the present invention;

Fig. 2 is a top plan view showing the completed combination insole therefor;

Fig. 3 is an exploded view illustrating the upper, the insole, and the wedge and wedge cover, and first welt to be applied thereto;

Fig. 4 is an exploded view illustrating the insole, the wedge, the partial sole, the second welt and the outer sole;

Fig. 5 is a sectional view illustrating the insole construction;

Fig. 6 is a partial plan view of the insole showing the steps in the construction thereof, including the wedge cover and welt, parts being cut away;

Fig. 7 is a section on line 7—7 of Fig. 6;

2

Fig. 8 is a section illustrating the wedge cover turned down;

Fig. 9 is a section through the completed insole and wedge;

Fig. 10 is a plan view showing the novel lacing; and

Fig. 11 is an enlarged view of the lacing showing the details thereof.

In the manufacture of the present shoe, the same is lasted and the first more or less conventional insole is applied in the conventional manner. In this relation, the upper 10 is assumed to be on the last and a wedge cover illustrated at 12 is likewise secured in unturned relation on the upper, see Figs. 3 and 6. This wedge cover is conventional and of course is located about the heel portion of the shoe reaching as far as the shank, see Fig. 1.

The usual insole 14 is applied to the last and this insole has a sewing rib 16 which is intended to be formed by channeling as is conventional, and reenforced by a canvas tape 18. The usual filler 19 is applied in the ribbed area. The inner edge of the wedge cover 12 is sewed to the sewing rib 16, see Figs. 7, 8 and 9.

At this stage of the invention, a first welt strip indicated at 20 is sewed to the sewing rib 16 and the edge of the wedge cover is secured firmly therebetween, see particularly Fig. 7. This welt extends only in the region of the wedge cover 12.

Welt 20 is first skived off as indicated at 22 in Fig. 6, leaving a relatively narrow welt strip as shown in Figs. 8 and 9. This welt strip, however, firmly anchors the wedge cover in position in such a way that it can never be pulled out and thus will be held there in position for the life of the shoe. This is a considerable distinction over the prior art and provides the advantages which have been discussed and which will be more apparent hereinafter.

After the welt 20 has been skived all the way around from the shank portion approximately at 24 to the opposite position of the shank portion, the wedge itself is applied, this wedge being generally indicated at 26. Of course the usual cutting and trimming operations on the sewing rib, etc. have been done previously, as well as the application of ground cork, etc.

The wedge fits right down on the sewing rib 16 at the heel and shank, and covers the rib so that there is now a wedge at the heel portion that tapers down to the shank, terminating at approximately the location of numerals 24, and this of course covers up the sewing rib 16 on the insole 14 at the heel and shank portions thereof.

At the fore part area, generally indicated at 28, the original sewing rib 16 is still exposed and will be used for the final application of the outer sole.

A novel type of sole part which is generally indicated at 30, see particularly Figs. 2 and 4, is applied on to the wedge and is cemented thereto. This sole part is similar to a ribbed insole and comprises a heel and shank-shaped portion that is cut out in a V shape as at 32, the wider part of which extends from the shank edge portion converging down to a point at 34 in the heel portion thereof. This partial sole is provided with another sewing rib 36 which may be made in the usual manner by channeling and it may also have applied thereto the canvas strip 38 comparable to that at 18.

The partial sole 30 is applied to the wedge 26 and the ends 40 of the sewing ribs 36 thereon must then align with the exposed parts of the original sewing rib at 42. There will of course be some variation between the sewing rib at 40 on the vertical sole 30 and the sewing rib at 42 on the insole 14. This is compensated for by the flexibility of the partial sole 30 due to the deep V cut 32 therein, so that the legs formed by this cut in the sole part 30 may be brought together slightly or pulled out apart slightly by hand to align accurately with the fore part rib at 16.

After this operation, the usual cork filler 43 may be applied to the fore part, the second welt 44 is put on, and the outer sole 46 is sewed thereto in the usual manner. Of course the outer sole 46 may be of any desired material, such as leather, rubber, etc., and the shoe itself may be used for walking or it may have golf spikes applied thereto, etc. in the usual manner.

In lacing the shoe, a single strip, as shown at 48, may be passed in successive loops through small parallel slits 50 in the upper and then the same may be stitched down adjacent the slits or underneath the upper so as to form the loops 52 so that the ordinary lacing 54 may then be applied, see Figs. 10 and 11.

Having thus described my invention and the advantages thereof, I do not wish to be limited to the details herein disclosed, otherwise than as set forth in the claims, but what I claim is:

1. A platform shoe comprising an upper, an insole, a sewing rib thereon, a wedge applied to the insole; a wedge cover, a welt overlying the wedge cover at the edge thereof, said welt being sewed thereto and to the sewing rib on the insole, a partial sole having a sewing rib thereon covering the wedge, a sewing rib on said partial sole, the cover being sewed to the sewing rib on the said partial sole, and an outer sole secured to the combined insole rib and the rib on the said partial sole.



2. A platform shoe comprising an upper, a ribbed insole, a wedge cover and a welt secured to the sewing rib thereof and covering a marginal edge of the wedge; a partial sole on the wedge, a sewing rib on the partial sole aligning with the sewing rib on the first insole at the fore part of the latter, a second welt piece, and an outer sole secured to the combined partial sole and the insole by the welt piece.

3. A wedge-type platform shoe comprising an upper, an insole, a sewing rib on the insole, a wedge applied to the heel and shank portion thereof covering the heel and shank part of the sewing rib, the sewing rib being exposed at the fore part; a partial sole covering the wedge, a sewing rib thereon, said rib aligning with the fore part rib of the insole, a wedge cover secured to the sewing rib of the first insole, and a welt securing the same thereto at the exposed side thereof, the wedge cover being turned down over and concealing the welt and secured to the combined ribs.

4. A shoe of the class described comprising an upper, an insole, a sewing rib thereon, a wedge secured to the sewing rib at the heel and shank location only thereof, and a partial insole applied to the wedge and in general in conformance therewith, said partial sole comprising a heel portion and a pair of divided arms extending forwardly therefrom into the shank portion, a rib on the arms, said arms being generally flexible and capable of distortion to adjust the same transversely to align the ribs thereof with the exposed portion of the sewing rib of the aforesaid fore part.


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