Feb. 20, 1923. 1,446,034

C. D. CONION

COUNTER STIFFENER FOR SHOES

Filed Mar. 25, 1922

Fig. 1.

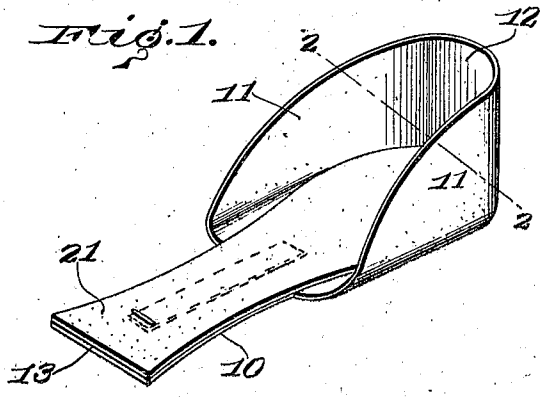


Fig. 2.

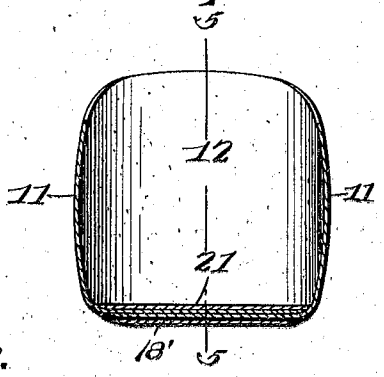


Fig. 3.

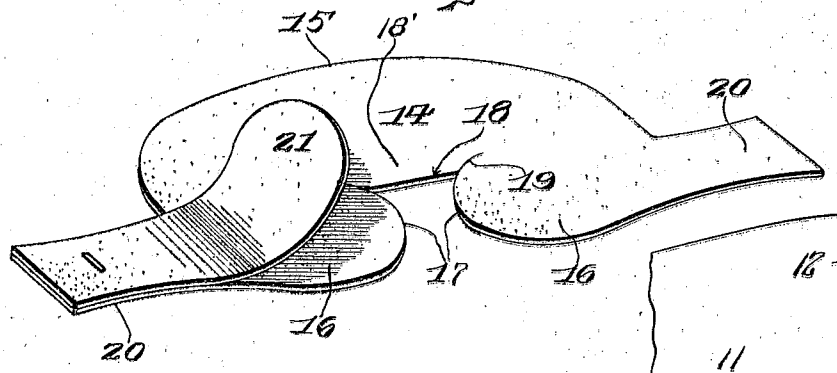


Fig. 4.

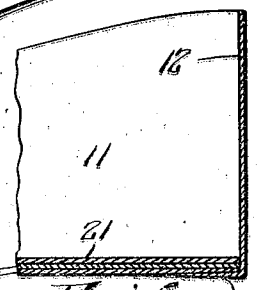
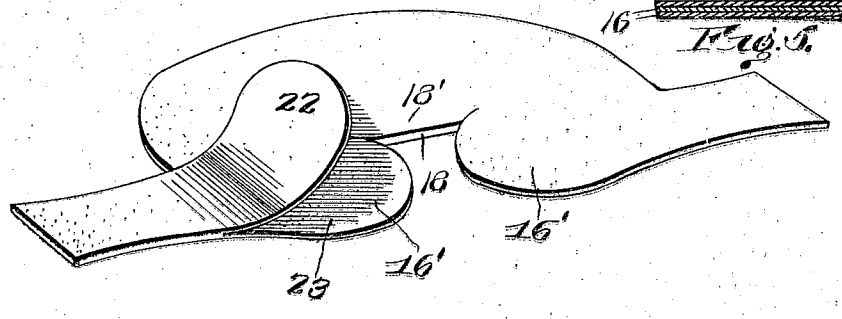


Fig. 5.



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UNITED STATES PATENT OFFICE.

CONSTANTINE D. CONION, OF NEWBURYPORT, MASSACHUSETTS.

COUNTER STIFFENER FOR SHOES.

Application filed March 25, 1922. Serial No. 546,709.

To all whom it may concern:

Be it known that I, CONSTANTINE D. CONION, a citizen of the United States, residing at Newburyport, in the county of Essex, State of Massachusetts, have invented certain new and useful Improvements in Counter Stiffeners for Shoes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in shoe parts and particularly to counter-stiffeners.

One object of the invention is to provide a counter stiffener having the sides, bottom, and forwardly extending shank, all of which parts are formed from a single piece of paper-board, leather-board, leather, or any other suitable stiff material.

Another object is to provide a device of this character which has a shank, for extending longitudinally of the arch of the shoe, and to which an additional shank tongue is adapted to be secured.

A further object is to provide a device of this character which is simple in construction, and which can be manufactured at a very low cost.

Another object of the invention is to provide a counter stiffener blank wherein the insole portion is integrally formed therewith.

Other objects and advantages will be apparent from the following description when taken in connection with the accompanying drawing.

In the drawing:

Figure 1 is a perspective view of a counter stiffener made in accordance with the invention and in position to be applied to a shoe.

Figure 2 is a vertical transverse sectional view through the device on the line 2—2 of Figure 1.

Figure 3 is a plan view of the blank from which the counter stiffener is formed.

Figure 4 is a perspective view of another form of blank wherein one of the enlargements is longitudinally split, or skived, to form upper and lower layers.

Figure 5 is a vertical section on the line 5—5 of Figure 2.

Referring particularly to the accompanying drawing, and especially to Figures 1 and 2, there is shown the counter stiffener which includes the bottom or sole portion 10, for the heel, the upwardly extending side walls 11, with the rear upstanding bight portion 12, and the forwardly extending shank 13, of the sole portion. All of these parts are formed from a single piece of material, as clearly seen in Figure 3.

In Figure 3 the blank comprises a body 14, the outer edge 15, of which, is longitudinally curved, and formed on the other longer edge of the body are two longitudinally extending enlargements 16. The inner end of each enlargement 16 is curved outwardly, as shown at 17, and said ends are spaced apart, as seen, the adjacent and intermediate portion of the longer side of the body being straight, as shown at 18. The body, at the last named longer side, is cut longitudinally on curved lines 19, as continuations of the curved ends of the enlargements 16. On the other end of each enlargement 16 there is formed a tongue 20, which extends beyond the end of the body, the enlargements and tongues being of the same size and shape.

To form the blank into the shape shown in Figures 1 and 2, the ends of the body 14 are drawn toward each other so that the intermediate portion of the body is bent or curved, and the said ends lie in approximately parallel relation to each other. The enlargements are then bent on the line of the adjacent edge of the body so that they overlap each other between the end portions of the body, to form the bottom or sole portion 10, of the stiffener, as seen in Figures 1 and 2. The tongues 20, will, of course, lie in overlapping relation, and these tongues may be secured together by means of glue or cement, or may be nailed or tacked together.

The portion of the side of the body, intermediate the inner ends of the enlargements, is bent to underlie the inner end of the enlargement which is lowermost, when the counter has been molded, as shown at 18′, in Figure 5.

In general practice when forming these counter stiffeners the material is soaked in water, or other liquid, and then the blank is placed in a mold or between female and male dies, which dies press the blank into the proper shape. The extra tongue 21 is then secured to the upper face of the overlapped tongues 20, by glue, or by a nail, the other end of the tongue 21 lying on the upper one

of the enlargements 16, between the side walls of the stiffener.

In the form shown in Figure 4, the enlargements 16' are longitudinally split, or skived, so that there are formed an upper layer 22 and a lower layer 23, the former serving as an insole for the heel, by reason of the fact that the shoe lining will be stretched across the upper face of the lower layer.

There is thus provided a simple and cheap form of counter stiffener, which is strong and durable, and which is easy to make, by reason of the fact that the parts are formed from a single piece of material.

What is claimed is:—

1. A pressed counter stiffener formed from a single piece of material and comprising a pair of side walls and a connecting bight wall, a sole portion formed from two overlapping portions of the lower edges of the side walls, and a heel closing tab on the bottom of the bight wall extending beneath the said sole portions.

2. A counter stiffener formed from a single piece of material and comprising a body having a pair of enlargements formed on one of the longer sides thereof with their inner ends spaced opposite the intermediate portion of the adjacent side of the body, the body being cut inwardly and longitudinally from the inner ends of the enlargements to form a heel closing tab, one of the enlargements being longitudinally skived throughout the greater portion of its length.

In testimony whereof, I affix my signature, in the presence of two witnesses.

CONSTANTINE D. CONION.

Witnesses:
HELEN F. CURRIER,
ROBERT E. BURKE.