W. B. WHITE.

WELT FOR BOOTS AND SHOES.

APPLICATION FILED JULY 3, 1911.

1,086,877. Patented Feb. 10, 1914.

Fig. 1.

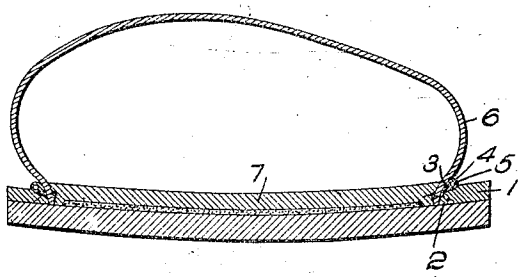


Fig. 3.

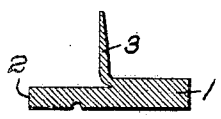


Fig. 2.

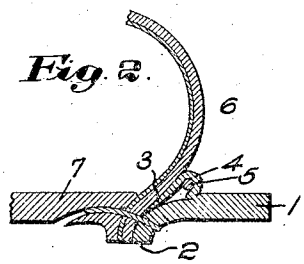


Fig. 4.

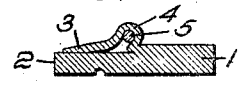


Fig. 5.

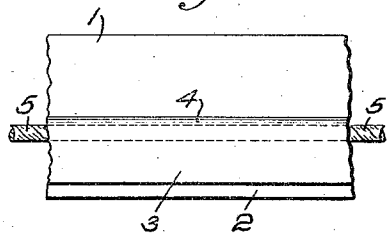


Fig. 6.

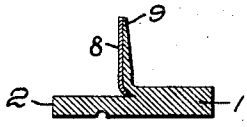


Fig. 7.



Fig. 8.

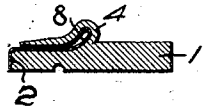


Fig. 10.

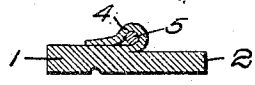
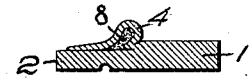


Fig. 9.



Witnesses:
Horace A. Grossman
Earl L. Choate.

Inventor:
Warren B. White,
by Emery, Booth, Janney & Varney
Attys

UNITED STATES PATENT OFFICE.

WARREN B. WHITE, OF NORTH ABINGTON, MASSACHUSETTS.

WELT FOR BOOTS AND SHOES.

1,036,877. Specification of Letters Patent. Patented Feb. 10, 1914.

Application filed July 3, 1911. Serial No. 636,641.

To all whom it may concern:

Be it known that I, WARREN B. WHITE, a citizen of the United States, and a resident of North Abington, in the county of Plymouth and State of Massachusetts, have invented an Improvement in Welts for Boots and Shoes, of which the following description, in connection with the accompanying drawings, is a specification, like characters on the drawings representing like parts.

My invention relates to welts for boots and shoes.

The object of the invention is to provide an improved form of welt particularly adapted for use in cases where, among other objects, it is desired to simulate the appearance of a shoe with a cork sole, protect the seam at the union of the upper with the welt, or to improve the appearance of the shoe.

In the drawing illustrating one embodiment of my invention selected for illustration and description herein, Figure 1 is a vertical cross-sectional view of the forepart of a shoe comprising one form of my invention. Fig. 2 a detail of a portion of Fig. 1, on an enlarged scale. Fig. 3 an end view of the welt showing the flap turned up, before the bead is formed. Fig. 4 an end view of the welt shown in Fig. 3, completed, illustrating the form of my invention shown in Fig. 1, Fig. 5 a plan view thereof. Figs. 6 and 7 are respectively end views of a modification of my invention, in process of making and completed. Figs. 8, 9, 10 are end views of further modifications of the invention.

Referring to Figs. 1, 2 and 3 my invention is shown as comprising a strip, 1, of any suitable material, as leather, one edge, 2, of which has been incised to form a relatively thin flange or flap 3, Fig. 3, which may be raised and folded or rolled down to form a bead 4, Figs. 1, 2 and 4. In order to provide desirable stiffness for this bead forming flap 3 I prefer to apply thereto or introduce thereunder, Figs. 2 and 4, a supporting or reinforcing medium or core 5, herein shown as a relatively slender strip or cord, of any suitable material such as leather or common string or wire, of any preferred form in cross-section. The reinforcing cord or strip 5 may be of any desired size and may be secured in position in any suitable manner as by cementing the same therein. After the flap 3 has been raised, see Fig. 3, the reinforcing medium 5 inserted thereunder, it may then be carried down over said reinforcing member, Fig. 4, forming the bead or finishing edge 4, and secured as by cementing or stitching if desired, to the strip 1. I thus produce a welt which, when secured to a shoe, as in Fig. 1, provides the shoe with a bead or cord-like finish at the union of the welt and upper. This bead may be used to give the shoe the resemblance of one provided with a cork sole or to render a shoe more nearly impervious to water at the seam of the upper and welt, and in addition thereto, to improve the general appearance of the shoe.

In Fig. 2 I have shown one method of using my improved form of welt, the upper 6 and insole 7 being stitched thereto in the usual manner and the flap 3 being so rolled as to provide the finishing bead or joint protecting member 4 referred to.

If desired a strip 8, of any suitable reinforcing material, such as canvas, Fig. 6, may be inserted in the incised edge 2 and secured to the lower face of the flap 3 as by cementing or stitching Fig. 7, or in any preferred manner. The flap and its reinforcing material may then be raised and the edge thereof turned down and suitably secured to the strip 1, forming the bead 4, Fig. 7, the reinforcing medium forming a core for the bead. If desired the edge of the incised flange or flap portion 3, may be skived at 9 to cause it to blend more readily with the body of the welt after the bead has been formed.

In Fig. 8 I have provided the welt with a reinforcing medium 8 covering the lower face of the flap 3 and the upper face of the incised body of the welt, as a strip of suitable reinforcing material, which is extended to and down over the edge of the welt in order to permit the sewing or stitching securing the welt to the upper and insole to extend through the same, if desired.

In Fig 9 the reinforcing medium is shown as consisting of any suitable liquid, as glue or cement which, after application to the welt, is permitted to harden and thus furnish a desirable core for the bead 4.

The flap thus provided with either a strip of reinforcing material or solid supporting member or core as in Figs. 1, 4 and 9 or a strip which, when folded, provides a more or less hollow core as in Figs. 7 and 8, is more certain to retain its uniform appearance and straight edge in the finished shoe

than is a flap without such core or support. The flap thus constructed is also more likely to stand up firmly against the upper and make a tighter joint, and less likely to break down or flatten out, than one not so supported.

Obviously either edge of the welt may be incised, and in Fig. 10 I have illustrated a welt incised at the opposite edge as compared with the welt shown in Figs. 1 to 9 inclusive, with the flap folded back and down upon the top of the welt instead of upon the incised face thereof, as in the aforesaid case, and it may be possible to vary the form of my invention in other particulars without departing from the spirit and scope thereof.

Claims.

1. As an article of manufacture, a welt having its body incised longitudinally thereof forming a flap which is bent therefrom, and a hollow supporting core comprising a sheet of welt reinforcing fabric inserted thereunder and stitched to said welt.

2. As an article of manufacture, a welt having its body incised longitudinally thereof forming a flap, said flap being bent from said body to form a bead, an arched bead supporting, sewing edge reinforcing medium secured to the opposed incised faces of said flap and welt and covering one edge of said welt.

3. As an article of manufacture, a welt having its body incised longitudinally thereof forming a flap, said flap being bent from said body, and a reinforcing medium secured to the lower face thereof, doubled over and secured to the incised face of the welt and to one edge thereof.

4. As an article of manufacture, a welt having its body incised longitudinally thereof forming a flap, said flap being bent from said body and projecting outwardly from the upper face of the welt intermediate the longitudinal edges thereof forming a self-sustaining bead, and a flap stiffening medium secured thereunder and suspended by the walls of said bead.

5. An article of manufacture comprising a leather body having one edge slit to form a flap and provided with a reinforcing member in contact with one of the faces of said flap, with the incised face of said body, and with the edge of said body.

6. As an article of manufacture, a welt slit longitudinally at one edge thereof, the slit portions separated at the inner end of said slit, and a reinforcing lining member applied to one edge of said welt and said separated slit portions to line the same and form a flattened, hollow, seam-protecting bead.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

WARREN B. WHITE.

Witnesses:

EVERETT S. EMERY,

ROBERT H. KAMMLER.