A. E. ARCHAMBEAU.

BOOT OR SHOE.

APPLICATION FILED APR. 27, 1918.

1,334,009. Patented Mar. 16, 1920.

Fig. 1

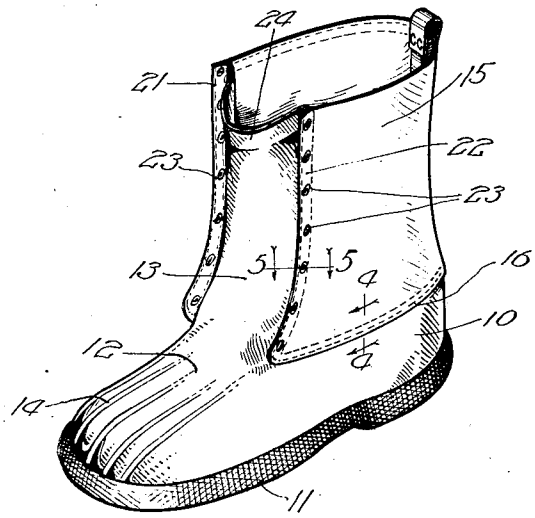


Fig. 3

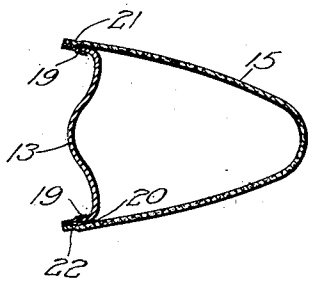


Fig. 2

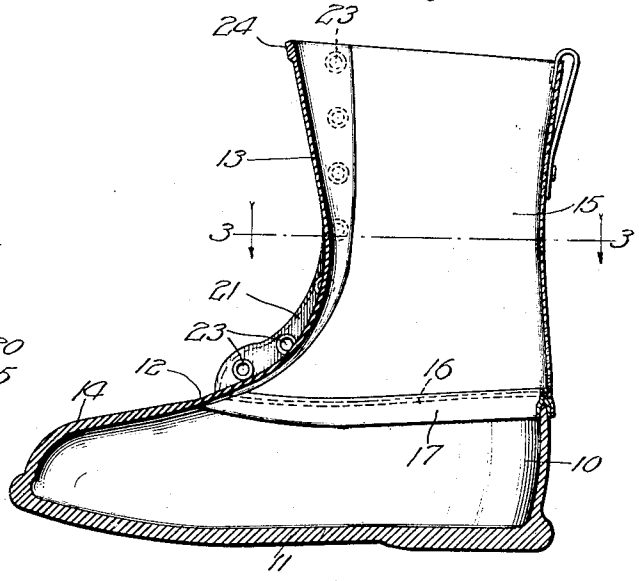
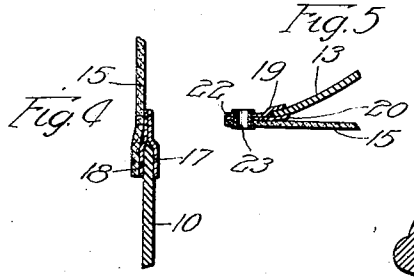


Fig. 5

Fig. 4



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UNITED STATES PATENT OFFICE.

ALFRED E. ARCHAMBEAU, OF MARQUETTE, MICHIGAN.

BOOT OR SHOE.

1,334,009. Specification of Letters Patent. Patented Mar. 16, 1920.

Application filed April 27, 1918. Serial No. 231,079.

To all whom it may concern:

Be it known that I, ALFRED E. ARCHAMBEAU, a citizen of the United States, residing at Marquette, in the county of Marquette and State of Michigan, have invented a certain new and useful Improvement in Boots or Shoes, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to boots and shoes, and has for its object the provision of an improved construction of such articles whereby to adapt them more conveniently to the needs of the user, and also whereby to adapt them for hard service and usage.

My invention herein is an improvement over the structure disclosed in my prior Patent No. 1,250,940, dated December 25, 1917.

In my said patent I show a rubber boot so arranged that the forward portion of the boot or shoe from a point slightly below the instep to the top of the "upper" is of thinned material so that it may yield as the foot is introduced into the boot or shoe.

In my present application, I provide a boot or shoe structure in which the vamp portion is made of comparatively thick rubber throughout, and from which a thinned tongue extends upwardly from the forward portion thereof. The "upper" of the boot or shoe is made of any suitable fabric, such as duck, leather, or the like, and this is suitably united to the upper edge of the vamp portion and the side edges of the tongue.

I will describe one specific form of boot or shoe structure constructed in accordance with my invention by referring to the accompanying drawing illustrating such form, in which—

Figure 1 is a perspective view of a boot constructed in accordance with my invention;

Fig. 2 is a vertical sectional view thereof;

Fig. 3 is a sectional view on lines 3—3 of Fig. 2;

Fig. 4 is a sectional view on line 4–4 of Fig. 1, and

Fig. 5 is a sectional view on line 5—5 of Fig. 1.

The structure as shown in the drawing comprises the vamp portion 10, which vamp portion is united to the sole 11. The vamp and sole portion are preferably integral, as shown, or they may be cemented together, which serves the same purpose. The material of the vamp portion is thinned out over the instep at the portion indicated by the numeral 12, thus to provide a resilient structure to permit the easy entry of the foot. This thinned out portion is preferably carried below the usual meeting line between vamp and "upper." The vamp portion has integral with it a tongue 13 of thinned yielding material either by being made in one piece or by being properly cemented or united thereto. The vamp 10, sole 11 and tongue 13 are made of rubber. Suitable reinforcing or strengthening ridges 14 may be provided on the front portion of the vamp, if desired. The "upper" 15 is united to the vamp portion at its upper edge along the line 16 and is also united to the side edge of the tongue 13. In order to properly unite the "upper" to the vamp, I provide two strips of material, respectively the strips 17 and 18, which are cemented to the upper edge of the rubber forming the vamp, thus to make a secure union, as shown more clearly in Fig. 4. The "upper" 15 is then sewed to the free upwardly protruding extremities of the strips 17 and 18.

In order to properly reinforce the edges of the thinned rubber tongue 13 and to provide a suitable connection between the "upper" 15 and said tongue, I likewise provide strips 19 and 20, similar to the strips 17 and 18, which strips 19 and 20 are cemented to the side edges of the tongue 13. The "upper" 15 is then sewed directly to the free protruding extremities of the strips 19 and 20, leaving protruding strips 21 and 22 of sufficient length to accommodate eyelets 23 which are used for lacing purposes. A suitable finishing strip or reinforcing strip 24 is cemented or sewed or otherwise suitably secured to the top edge of the thin rubber tongue 13. The thin rubber tongue which provides the yielding element not only throughout the length of the "upper," but also throughout a portion of the vamp up to the line 12, as shown, is thus suitably reinforced throughout its entire length at its edges so that it can stand the necessary wear and tear.

The object of the structure thus outlined will readily appear when it is seen that a yielding strip running from substantially the top of the "upper" all the way down below a point which usually constitutes the

meeting point between the "upper" and the vamp is provided for the accommodation of the wearer during insertion or withdrawal of the foot.

From what has been thus described the nature of my invention will be readily understood.

What I claim as my invention is:

1. In a boot or shoe, the combination of a vamp portion and an upper portion, the vamp portion being made of rubber of a given thickness and having a yielding rubber tongue extending upwardly from the forward portion thereof and strips cemented to the tongue and secured to said upper portion, said rubber tongue being of less thickness than the vamp portion, and said upper portion consisting of substantially non-elastic material outside of said vamp and united to said vamp and tongue.

2. In a boot or shoe, the combination of a vamp portion and an upper portion outside of said vamp portion, the vamp portion being made of rubber of a given thickness and having a yielding rubber tongue extending upwardly from the forward portion thereof, said rubber tongue being of less thickness than the vamp portion, and said upper portion consisting of substantially non-elastic material united to said vamp and tongue, and a substantially non-elastic strip cemented to said vamp portion to which said upper is secured.

3. In a boot or shoe, the combination of a vamp portion and an upper portion, the vamp portion being made of rubber of a given thickness and having a yielding rubber tongue extending upwardly from the forward portion thereof, said rubber tongue being of less thickness than the vamp portion, and said upper portion consisting of substantially non-elastic material united to said vamp and tongue, and strengthening strips of substantially non-elastic material cemented to the side edges of said tongue to which said upper is secured.

4. In a boot or shoe, the combination of a vamp portion and an upper portion, the vamp portion being made of rubber of a given thickness and having a yielding rubber tongue extending upwardly from the forward portion thereof, said rubber tongue being of less thickness than the vamp portion, and said upper portion consisting of substantially non-elastic material united to said vamp and tongue, and strengthening strips of substantially non-elastic material cemented to the side edges of said tongue to which said upper is secured, and a substantially non-elastic strip cemented to said vamp portion to which said upper is secured.

5. In a boot or shoe, the combination of a vamp portion and an upper portion, the vamp portion being made of rubber of a given thickness and having a yielding rubber tongue extending upwardly from the forward portion thereof, said rubber tongue being of less thickness than the vamp portion, said upper portion consisting of substantially non-elastic material united to said vamp and tongue, and strengthening strips of substantially non-elastic material cemented to the side edges of said tongue to which said upper is secured, and eyelets provided in the protruding portion of the strip and upper at the side edges of said tongue.

6. In a boot or shoe, the combination of a vamp portion and an upper portion, the vamp portion being made of rubber of a given thickness and having a yielding rubber tongue extending upwardly from the forward portion thereof, said rubber tongue being of less thickness than the vamp portion, said upper portion consisting of substantially non-elastic material united to said vamp and tongue, strengthening strips of substantially non-elastic material cemented to the side edges of said tongue to which said upper is secured, and a substantially non-elastic strip cemented to said vamp portion to which said upper is secured, and eyelets provided in the protruding portion of the strip and upper at the side edges of said tongue.

7. In a boot or shoe, the combination of a vamp, a tongue integral with said vamp, an upper and strips cemented to said vamp and tongue, said strips being sewed to said upper.

8. In a boot or shoe, the combination of a vamp, an upper outside of said vamp and a strip cemented to said vamp and sewed to said upper.

9. In a boot or shoe, the combination of a vamp, an upper and a strip cemented to said vamp and sewed to said upper, said strip being inside said upper.

10. In a boot or shoe, the combination of a vamp, a tongue integral therewith, an upper and strips cemented to said tongue and secured to said upper.

11. In a boot or shoe, the combination of a vamp, a yielding rubber tongue extending upwardly from said vamp, an upper, and strips cemented to said vamp and tongue and sewed to said upper.

12. In a boot or shoe, the combination of a vamp, a rubber tongue thinner than, and connected to, said vamp, an upper, and strips cemented to said vamp and tongue and sewed to said upper.

In witness whereof I hereunto subscribe my name this 18th day of April, A. D. 1918.

ALFRED E. ARCHAMBEAU.