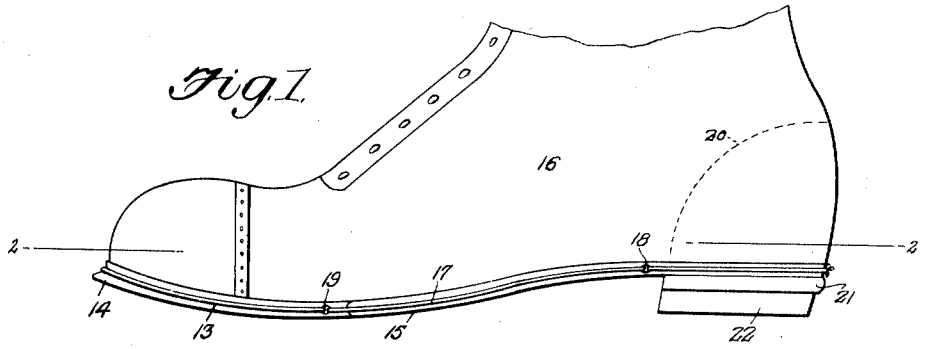
W. M. JESSUP.

SHOE.

APPLICATION FILED AUG. 9, 1919.

1,341,323. **Patented May 25, 1920.**

Fig. 1.



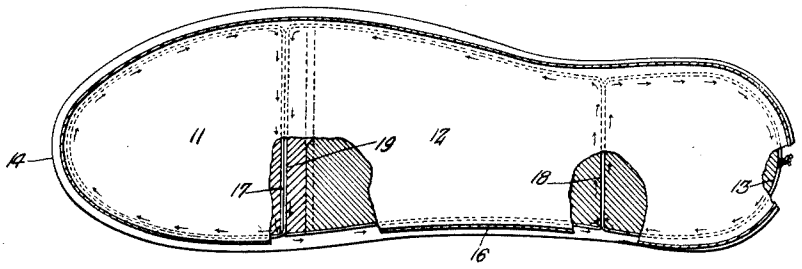


Fig. 2.

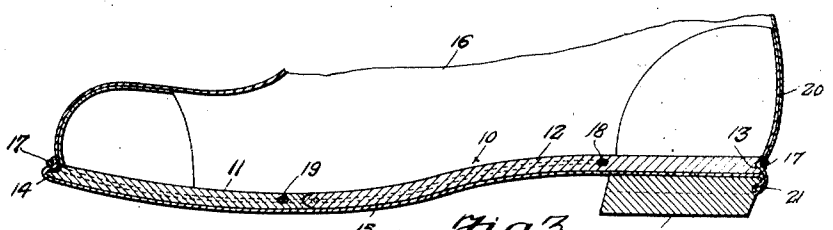


Fig. 3.

Fig. 4.

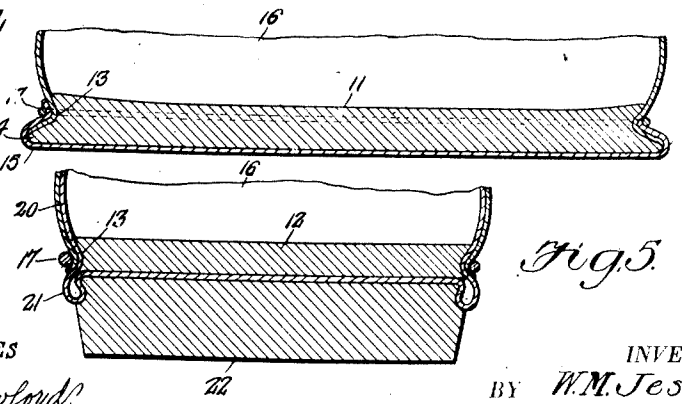


Fig. 5.

WITNESSES

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SHOE.

1,341,323. Specification of Letters Patent. Patented May 25, 1920.

Application filed August 9, 1919. Serial No. 316,441.

To all whom it may concern:

Be it known that I, WARDLOW M. JESSUP, a citizen of the United States, residing at Camden, in the county of Camden and State of New Jersey, have invented new and useful Improvements in Shoes, of which the following is a specification.

The invention relates to boots and shoes and has for an object to provide a shoe which will be strong and durable and capable of withstanding excessive wear and tear, and which at the same time will fit comfortably upon the foot of the wearer.

The invention comprehends among other features, a shoe which is preferably constructed with a steel plate or bottom so that the shoe will withstand excessive wear and tear and at the same time by the provision of an overlying sole, the shoe will fit comfortably upon the foot of the wearer, the upper and inner sole together with the outer sole, being so bound and held together, that the shoe can be made substantially waterproof, while at the same time the sole can be flexed to permit the wearer to readily walk comfortably therewith.

In the further disclosure of the invention, reference is to be had to the accompanying drawings, constituting a part of this specification, in which similar characters of reference denote corresponding parts in all the views, and in which,—

Figure 1— is a fragmentary side elevation of the shoe.

Fig. 2— is a horizontal sectional view taken on the line 2—2 in Fig. 1, parts being broken away to disclose the underlying structure.

Fig. 3— is a vertical longitudinal sectional view through the shoe.

Fig. 4— is a vertical transverse sectional view taken through the shoe.

Fig. 5— is a vertical transverse sectional view taken through the heel portion.

Referring more particularly to the views, the numeral 10 indicates an inner sole which is preferably made in sections as for instance a front or toe section 11 and a rear section 12, the sections 11, 12, being suitably hinged together as shown. The sections 11, 12, around their outer edge are formed with a groove 13 and a lower extension 14, and an outer sole in the nature of a steel flexible plate 15 is adapted to be bent around the extension 14 and have its edge fit into the groove 13, an upper 16, being provided for the shoe and having its lower edge fitted into the groove 13. A securing member 17 in the nature of a piece of stout flexible wire, is now adapted to be arranged in the groove 13, commencing at the rear and at substantially the medial portion of the rear section 12, the wire passes through a cross opening or bore 18 and then continues on along the opposite side in the groove 13 to a point slightly in advance of the hinged connection between the sections 11, 12, where the wire is then passed through a second bore 19 in the toe section and then continued on in the groove 13 around the toe after which the wire is passed again through the bore 19 and then down along the opposite edge of the rear section to be repassed through the bore in the rear section and terminate at the back of the heel portion of the rear section.

It will be seen that by having the lower part of the upper 16 received in the groove 13 and then having the edge of the outer-sole or steel plate 15, received in the groove 13, the tightening up of the securing element or wire 17 will tend to bind or clamp the lower edge of the upper and the edge of the steel plate together and also clamp them to the inner sole, made up of the sections 11, 12, as mentioned heretofore, it being of course understood that any suitable gum or other waterproof fluid can also be employed at the juncture of the upper of the shoe and the outer sole to produce a water-tight joint.

The outer sole or steel plate 15 at its rear is formed into an upwardly projecting counter 20 and at the point of formation of the counter the metal of the plate is flanged or bent to form a plurality of guides 21 so that a suitable rubber or other heel 22 can be slid in between the guides to lie beneath the heel portion of the rear section 12, said heel being secured in any convenient manner and also held by the securing element 17 if desired.

It will be seen that when the metal of the outer sole is fashioned around the inner sole, it may be necessary at certain places to slit the steel plate as at 23 in order to insure a proper shaping of the toe and a proper fitting of the steel plate around the toe and it will of course be understood that with the flexible inner sole and the desired

flexibility of the outer sole, the shoe when placed upon the foot will permit the wearer to conveniently and comfortably carry the shoe and walk therewith.

It will of course be apparent that the inner sole may be made up of a number of sections instead of merely a toe and a front section and a rear section, and that the securing element or wire may be in the nature of a stout cord and can be re-crossed through the bores of the front or rear sections as many times as desired, this being done to insure a binding of the lower edge of the upper to the edge of the steel plate and the binding of the lower edge of the upper and the steel plate in the groove to the inner sole.

Although I have shown and described a particular form of my invention, it will be understood that various slight changes may be made without departing from the spirit thereof, the scope of the invention being defined in the appended claims.

Having described my invention, I claim—

1. A shoe comprising an inner sole formed of relatively movable sections, each having a groove in the edge thereof, an outer sole covering the bottom of the inner sole and having its edge fashioned into the grooves of the inner sections and a resilient wire-like securing element disposed in the grooves of the inner sole sections to bind the edge of the outer sole therein.

2. A shoe comprising an inner sole formed of relatively movable sections, each having a groove in the edge thereof, an outer sole covering the bottom of the inner sole and having its edge fashioned into the grooves of the inner sections, a resilient wire-like securing element disposed in the grooves of the inner sole sections to bind the edge of the outer sole therein, and an upper having its lower edge disposed in the grooves of the inner sole sections and secured by said securing element to said inner sole and to said outer sole.

3. A shoe comprising in combination with an inner sole, an outer sole having its edge flanged about the inner sole, and an upper having its lower edge flanged about the inner sole and a resilient securing element extending around and over the inner sole, the edge of the outer sole and the upper, to relatively bind said upper and said outer sole to the inner sole.

4. A shoe comprising in combination with an inner sole, an outer sole having its edge flanged about the inner sole, an upper having its lower edge flanged about the inner sole, a resilient securing element extending around and over the inner sole, the edge of the outer sole and the upper, to relatively bind said upper and said outer sole to the inner sole, a heel carried by the said outer sole at the rear of the shoe and means for securing said heel against the underside of the outer sole, said means having said resilient securing element arranged in proximity thereto, to exert a binding action of said means against said heel.

5. In a shoe the combination with an inner sole, of an outer sole having its edge flanged against the inner sole, an upper having its lower edge flanged against the inner sole and a continuous securing element extending around and over the inner sole, the edge of the outer sole and the upper, said securing element having portions extending transversely of the inner sole and through the latter.

In testimony whereof I affix my signature.

WARDLOW M. JESSUP.