

F. L. CORSON.

INNERSOLE.

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1,034,208.

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Fig. 1.

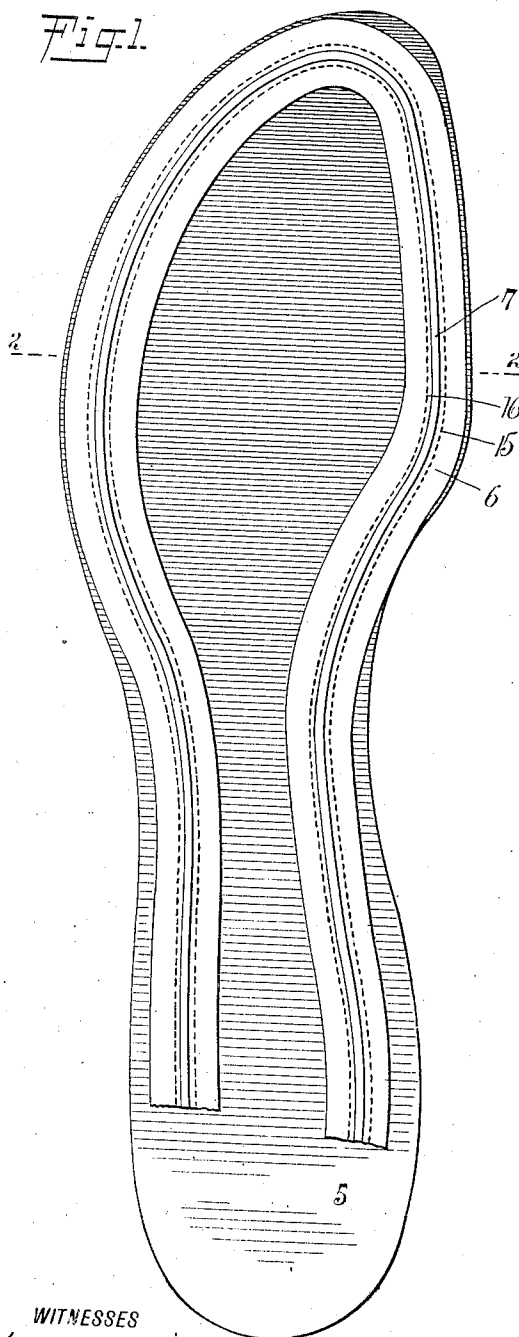


Fig. 2.

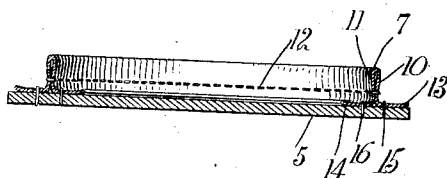
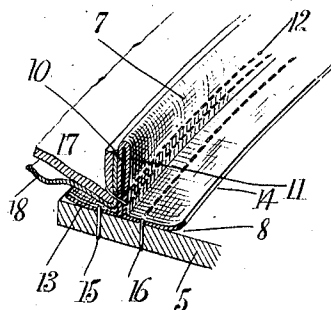


Fig. 3.



WITNESSES

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INNERSOLE.

1,034,208.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FRED L. CORSON, a citizen of the United States, and a resident of Rochester, in the county of Strafford and State of New Hampshire, have invented a new and Improved Innersole, of which the following is a full, clear, and exact description.

My invention relates to inner soles, and it has for its object to provide one which costs little to manufacture, and which is stronger and more flexible than those now in use.

The inner sole is constructed of unusually thin leather, and is reinforced by a ribbed canvas member, which is sewed to the inner sole at each side of the rib, so that when the welt and upper are sewed to the rib of the canvas member, the inner sole will be reinforced by the canvas and the strain will be distributed on the inner sole at each side of the rib of the canvas member.

Additional objects of the invention will appear in the following complete specification, in which the preferred form of the invention is disclosed.

In the drawings similar characters of reference indicate corresponding parts in all the views in which—

Figure 1 is an inverted plan view of my inner sole; Fig. 2 is a sectional view on the line 2-2 of Fig. 1; and Fig. 3 is a sectional perspective view showing how the welt and the upper are sewed to the rib of the reinforcing member.

In the manufacture of inner soles it has been the custom to channel the inner soles to form lips or ribs to which the welt and uppers may be sewed, and as the leather used for the manufacture of inner soles is usually of an inferior quality, and as the inner soles are channeled at the places where the greatest strength is required, it will be seen that the channeling of the inner soles weakens them at the point where the greatest strength is required, while the other portions of the inner sole are unnecessarily thick and heavy, and lack flexibility. The

body 5 of my inner sole is constructed of exceedingly light leather, and this body 5 is reinforced by the canvas member 6 having the rib 7. This canvas member 6 is coated on its inner side 8 with an adhesive material, the canvas member 6 being doubled on itself, with portions of the inner side of the canvas member having the adhesive material facing each other, so that the rib 7 will be formed. The portions 10 and 11 of the canvas member 6 are sewed together at 12 to limit the movement away from each other of the sides 13 and 14 of the canvas member 6. The side 13 of the canvas member 6 is sewed to the body 5 of the inner sole at 15, and the side 14 of the canvas member 6 is sewed to the body 5 of the inner sole at 16. It will therefore be seen that with the stitching 12, the sides 13 and 14 of the canvas member form a strong reinforcing member which is sewed to the body 5 of the inner sole at each side of the rib 7.

It should be understood that the sides 13 and 14 of the canvas reinforcing member 6 will assist in supporting and holding the rib 7 in position, and any strain at any point on the body 5 of the inner sole will be distributed more or less over the body of the inner sole at places where the inner sole will be secured to the sides 13 and 14, and in this way the inner sole will be reinforced throughout the entire length where the greatest service is required. Not only will the body 5 of the inner sole be supported longitudinally of the rib, but it will also be supported transversely of the rib by the canvas reinforcing member 6, for while one of the sides 14 is sewed to the body 5 at the inner side of the rib, the other side 13 is sewed to the body 5 at the outer side of the rib. This is important for this stitching at the outer side of the rib 5 serves not only to reinforce the inner sole, with the canvas member and transversely of the rib, but it also serves to pull the outer edge of the inner sole down close to the upper. As shown in Fig. 3 of the drawings, the welt

17 and the upper 18 are sewed to the outer side of the rib 7 in the customary manner.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent:

In an article of the class described, an inner sole body, and a reinforcing member having portions folded and stitched together to form a rib, and with side portions

at each side of the rib disposed against and 10 sewed to the inner sole.

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

FRED L. CORSON.

Witnesses:

ALLIE JOHNSON,
DELLA B. YEATON.