

(No Model.)

G. A. LEWIS.

OVERSHOE.

No. 296,978.

Patented Apr. 15, 1884.

Fig. 1.

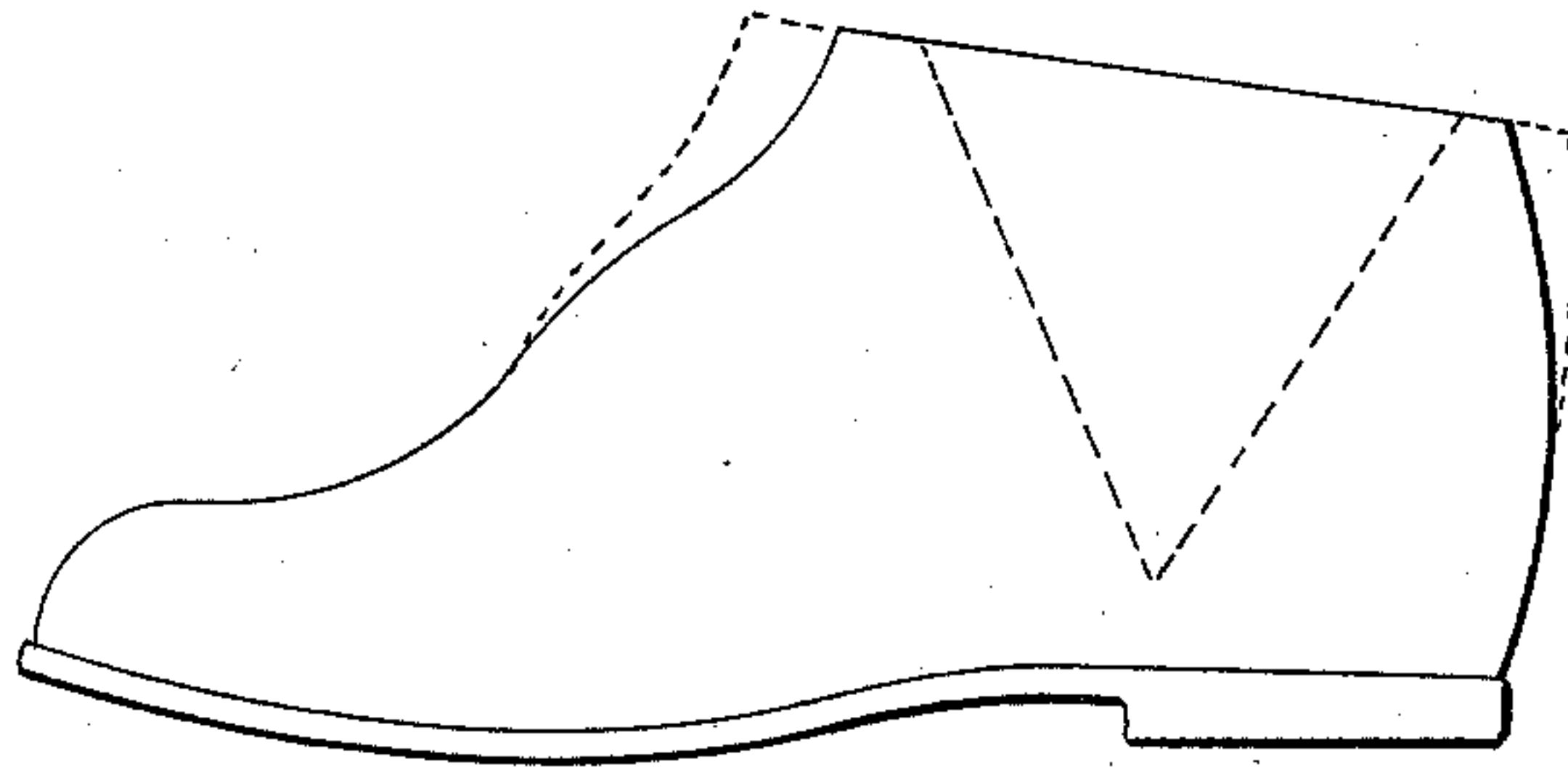


Fig. 2.

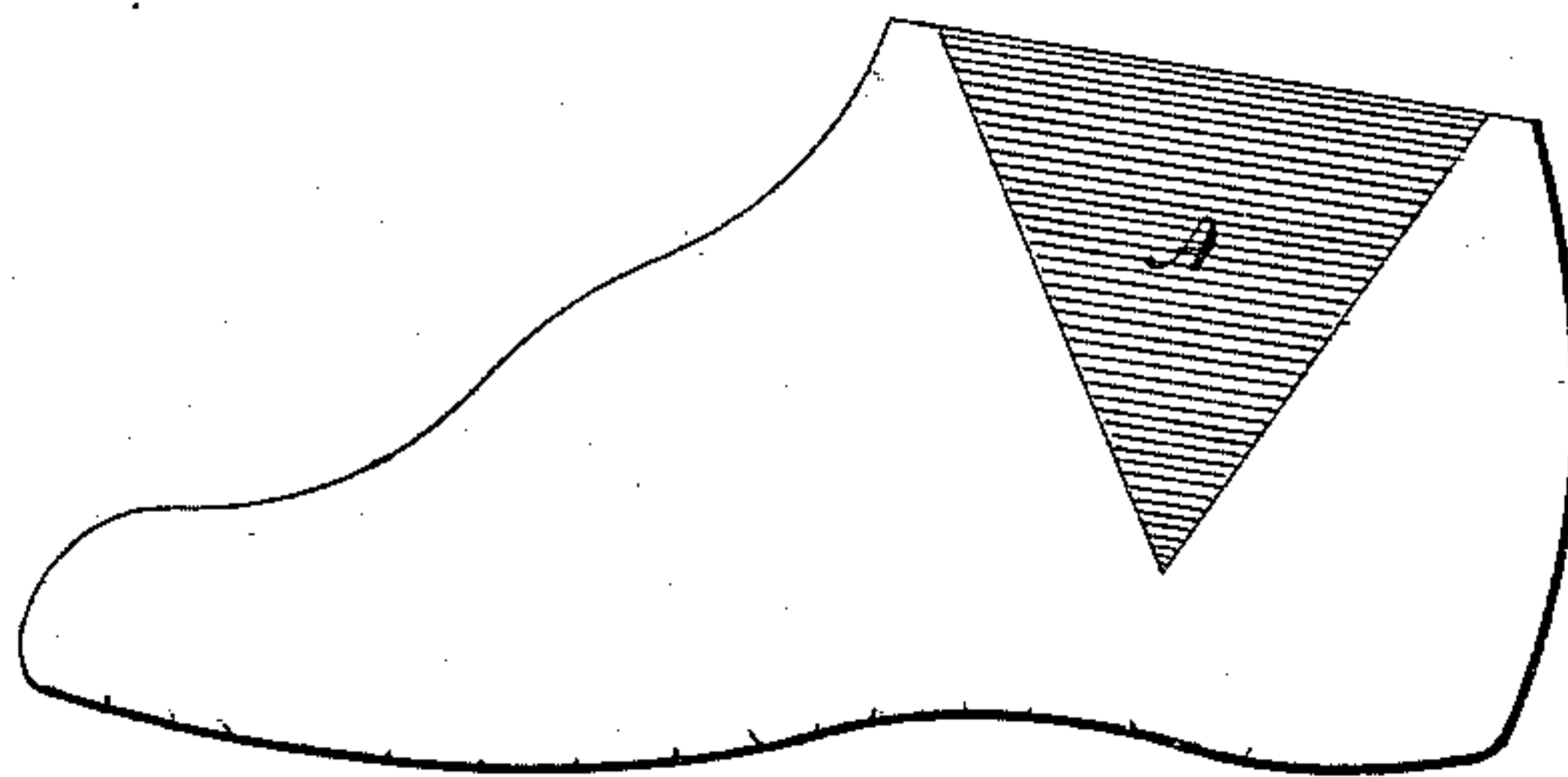


Fig. 3.

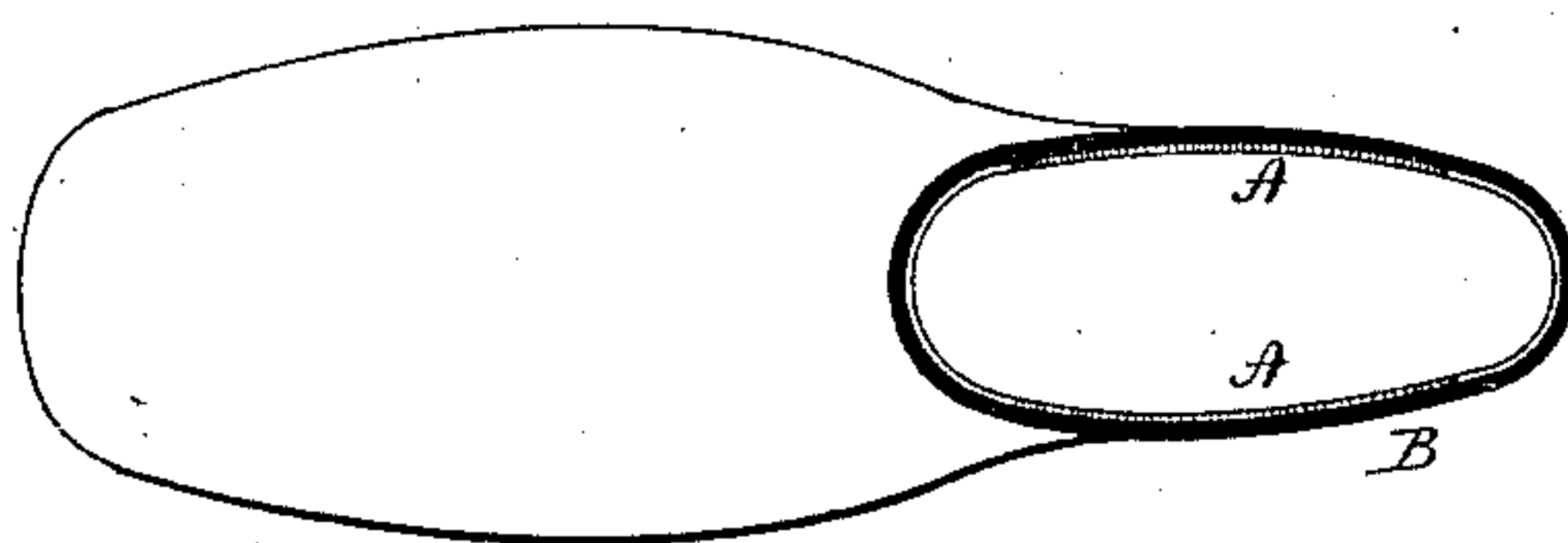
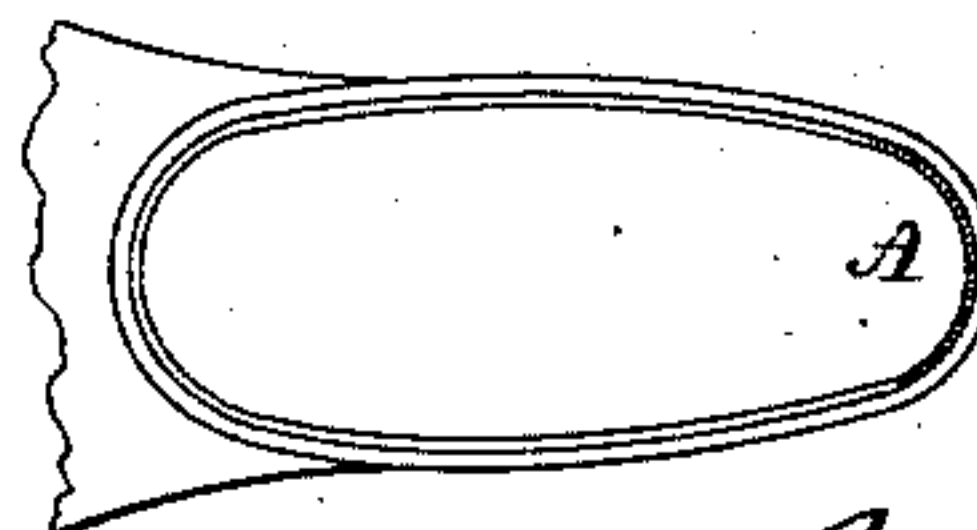


Fig. 4.



Witnesses.
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UNITED STATES PATENT OFFICE.

GEORGE A. LEWIS, OF NAUGATUCK, CONNECTICUT, ASSIGNOR TO GOOD-YEAR'S METALLIC RUBBER SHOE COMPANY, OF SAME PLACE.

OVERSHOE.

SPECIFICATION forming part of Letters Patent No. 296,978, dated April 15, 1884.

Application filed February 18, 1884. (No model.)

To all whom it may concern:

Be it known that I, GEORGE A. LEWIS, of Naugatuck, in the county of New Haven and State of Connecticut, have invented a new Improvement in Overshoes; and I do hereby declare the following, when taken in connection with accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view of the shoe complete; Fig. 2, the lining as applied to the last, showing the gore-shaped recess filled by the elastic gore; Fig. 3, a section across the shoe at the opening; Fig. 4, a modification.

This invention relates to an improvement in that class of overshoes in which the entire outer surface is formed from rubber. In the usual manufacture of this class of shoes a lining is first fitted to the last; then over this lining the outer surface of india-rubber is applied in sheet form and worked down upon the lining, and so that the two parts, when vulcanized, will be firmly united. There being very little and in many cases no elasticity in the opening of this class of shoes, they are necessarily made very low, in order to be drawn upon the foot. In the class of shoes which are made to extend higher up or to the ankle, a gore of elastic material has been introduced at each side, and what is known as the "Congress Arctic." These gores present a fabric surface outward. Notwithstanding the greatest care be exercised in the manufacture of these gores, they soon "pull out," and become almost useless for the purpose intended. When first made, such gores accomplish their object and permit the shoe to be made very high, because they allow the opening of the shoe to be expanded to draw on over the heel. The fabric outer surface, however well made, will, after a little wear, break so as to permit the water to work its way through it into the shoe.

The object of my invention is to construct a high-cut overshoe with a complete rubber exterior; and it consists in an elastic gore introduced into the lining of the shoe at one or both sides of the opening before the outer is applied, then overlaying the whole shoe, includ-

ing the elastic gore, with the outer thickness of sheet-rubber, as more fully hereinafter described.

The general cut of the shoe, as seen in Fig. 1, is the same as the usual high-cut shoe—that is, the higher class of what are commonly called "Congress Arctics." In making up the shoe the lining is fitted upon the last in the usual manner. At the opening on one or both sides a gore-piece is cut out, and into that a corresponding-shaped gore, A, is laid, as seen in Fig. 2. This gore is made from any suitable elastic material, preferably the diagonal fabric known as the "Winslow Gore-Cloth." In thickness this gore-piece corresponds substantially to that of the lining, and lies upon the last as a part of the lining. Then over the whole a rubber outer, B, Fig. 3, is laid, in the usual manner of covering the entire surface of the shoe, including the gore. The shoe is then vulcanized and finished in the usual manner, and when completed has the outward appearance of a common india-rubber overshoe, except that it is higher cut. The rubber outer being elastic, that part which covers the gore yields with the gore and permits the expansion of the opening of the shoe in putting on, as indicated in broken lines, Fig. 1.

The outer, extending as it does over the gore, protects the gore or elastic portion from the usual wear to which it is subjected, and also prevents the breaking of the gore portion, so that, while accomplishing the object of the gore in the previous high-cut shoes, it avoids the difficulties attending the same. If desired, the gore may be only at one side, or it may be at the heel only, as seen in Fig. 4, and accomplish substantially the same result.

I claim—

The herein-described india-rubber overshoe, having one or more elastic gores introduced into a corresponding-shaped recess in and so as to make substantially a part of the lining, the lining and gore covered on the outside by a continuous india-rubber surface, substantially as described.

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Witnesses:

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