

(No Model.)

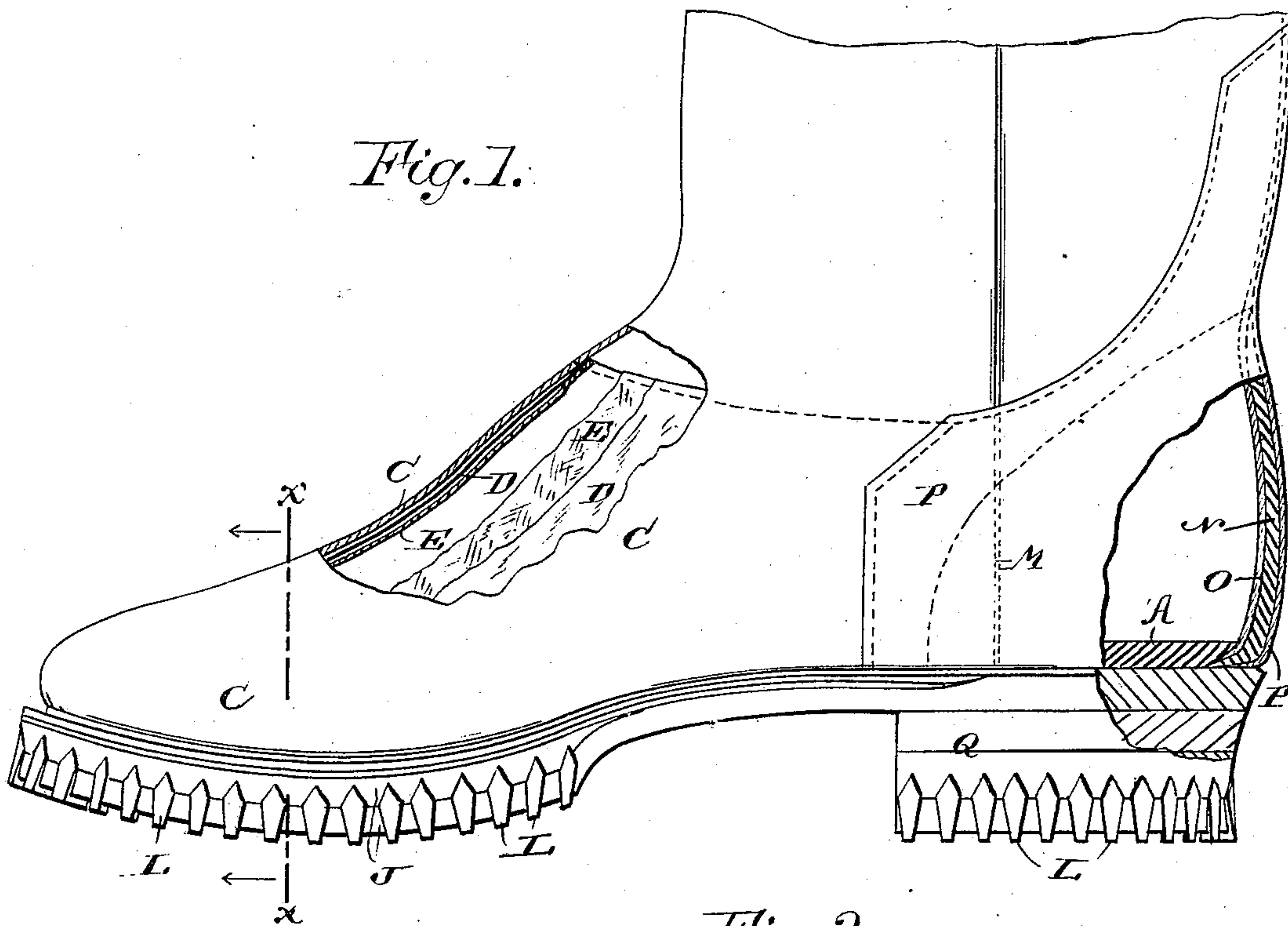
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BOOT OR SHOE.

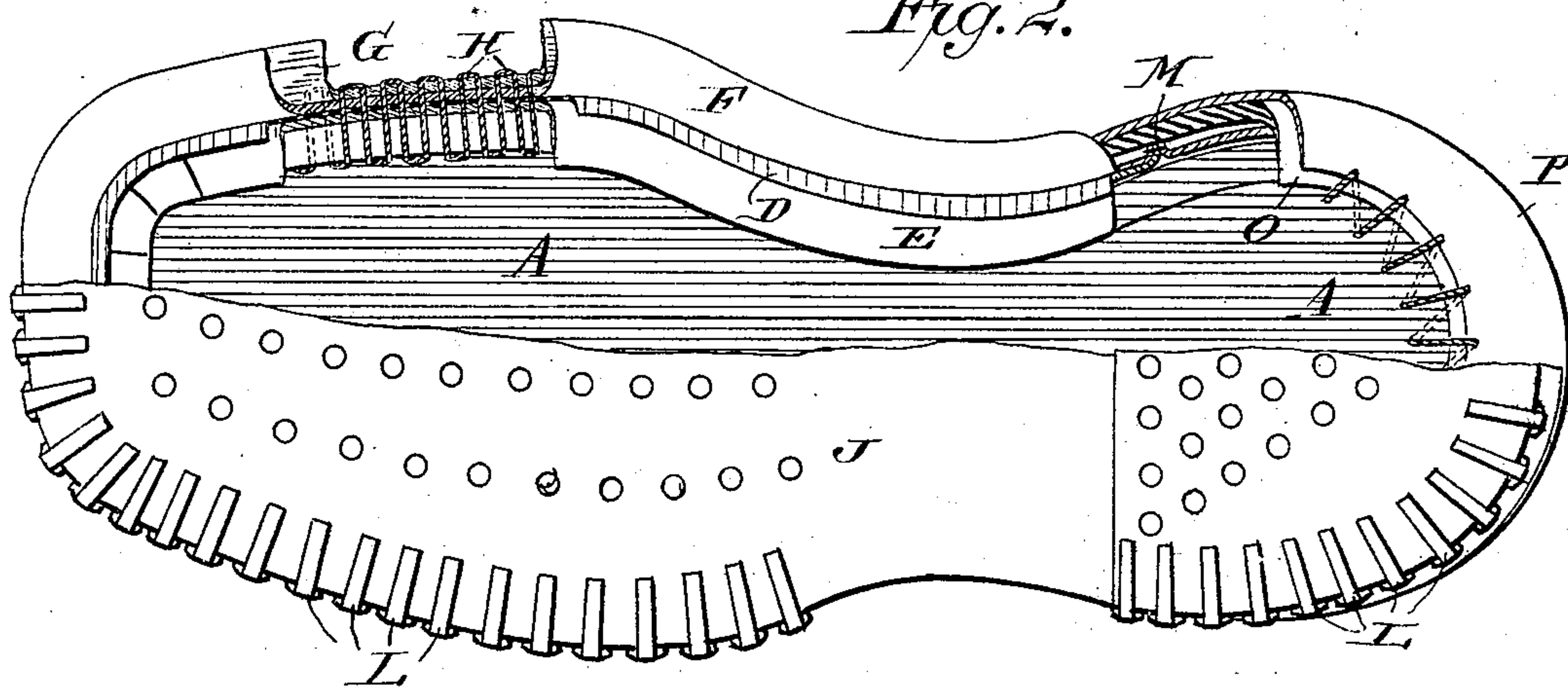
No. 312,117.

Patented Feb. 10, 1885.

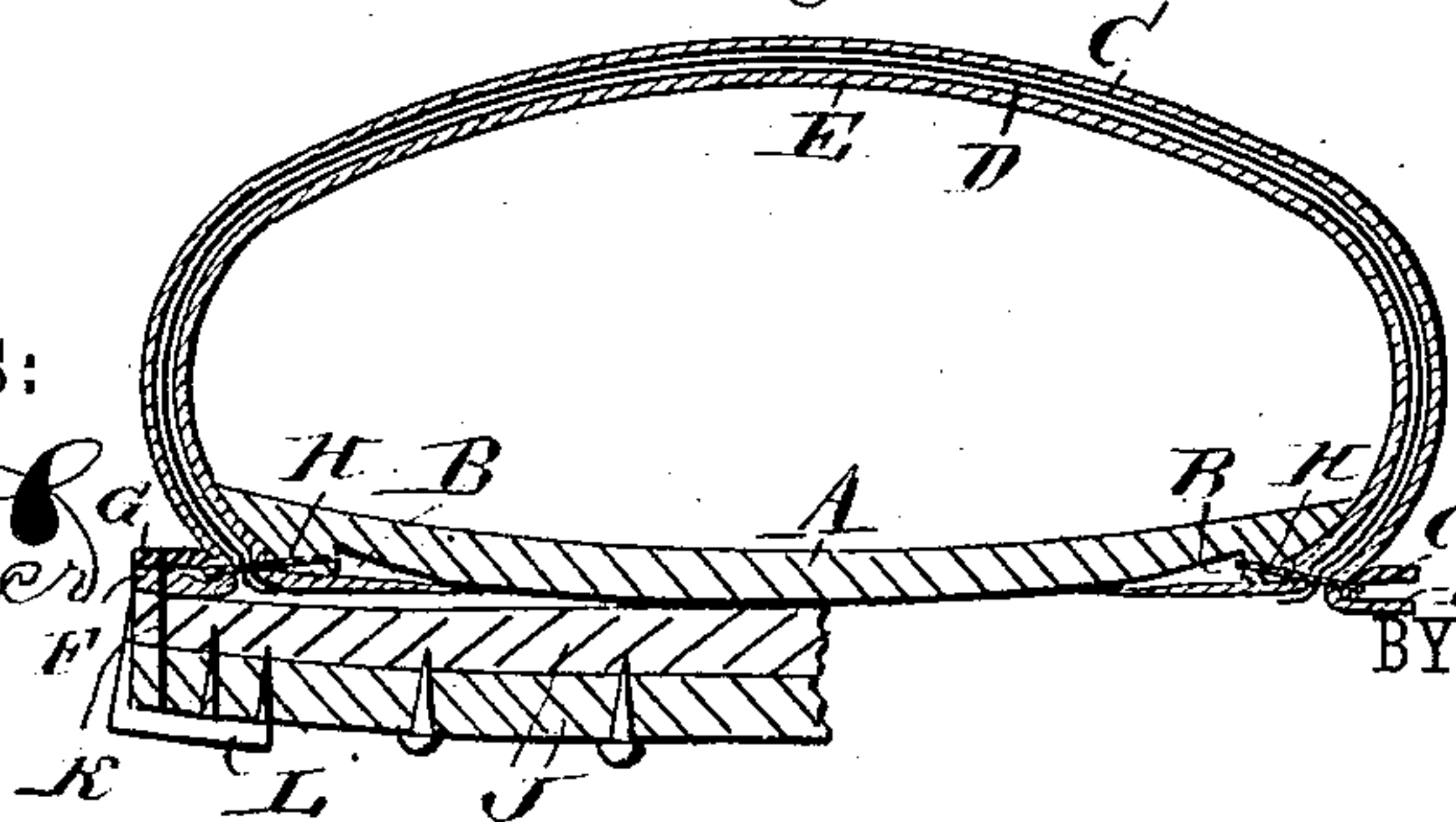
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES:

INVENTOR:

*No Beryl*  
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# UNITED STATES PATENT OFFICE.

JOHN HANSEN, OF MARYVILLE, MISSOURI.

## BOOT OR SHOE.

SPECIFICATION forming part of Letters Patent No. 312,117, dated February 10, 1885.

Application filed October 17, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN HANSEN, of Maryville, in the county of Nodaway and State of Missouri, have invented certain new and useful Improvements in Boots or Shoes, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved boot or shoe having a water-proof upper, water-proof bottom seams, and a combined back-stiffener, counter, and side-seam protector.

The invention consists in a boot or shoe having its upper formed of three layers, of which the middle one consists of oil-tanned and crimped bladder. The bottom edge of the upper layer is turned outward to form a second welt, on which the usual welt is placed, and then sewed to the upper, and at the same time is sewed to the sole with the upper. The counter is placed on the outside of the back-leather, and a back-stiffener is secured over the counter, the said back-stiffener extending above the counter and over the side seams of the boot or shoe.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side view of my improved boot, parts being broken out and others shown in section. Fig. 2 is a plan view of the under side, parts being broken out. Fig. 3 is a cross-sectional view on the line  $x x$ , Fig. 1.

The sole A is provided on the under side with the channels B a short distance from and parallel with the edges, the said edges being beveled inward and downward, as shown in Fig. 3. The upper, which is to be water-proof, is formed of the upper-leather C, the water-proof layer D, and the lining E, the layer D being placed between the upper-leather C and the lining E. The bottom edges of the lining E are lapped under the sole, and the bottom edges of the upper-leather C are turned outward to form a second welt, F, on which the welt G is placed. Stitches H are then passed through the inner edge of the welt G, the layers C, D, and E, and through the sole to the channels B. The double sole J is placed against the bottom of the sole A,

and stitches K are passed through the welts F and G and the double sole. Three-pointed or three-pronged nails L are driven into the double sole J at the edges, the outer prongs of which nails are flattened, resting against the outer edges of the sole. The water-proof layer D consists of oil-tanned and crimped bladder.

Numerous trials have been made to obtain water-proof foot-wear combined with leather, such as rubber; but rubber, when brought too near the human flesh and worn every day, especially in summer time, causes softness of the feet and is injurious to the health. Oil-tanned bladder is beneficial to the health, keeping the feet cool and dry in summer and warm and dry in winter. It is entirely water-proof, healthy, light, and not costly. The upper and its lining and water-proof layer extend only to the side seams, M. The counter N is placed against the outer surface of the back-leather O of the heel, and the back-stiffener leather P is placed over the counter and extends up on the back of the boot some distance above the heel and at the sides of the shoe or boot. The back-stiffener extends over the side seams, M, to cover and protect them, thereby preventing ripping of the same. The bottom edges of the back-leather O, the counter N, and the back-stiffener P are sewed together and sewed to the rear end of the sole A.

My improved counter and back-stiffener prevent the wrinkling of the boot above the heel. The counter is held securely in place, and cannot be ripped or torn off.

It is evident that shoes can be made in the same manner, and the three-pointed nails left off, if desired. Nails L are also driven into the heel Q.

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

1. A boot or shoe provided between its lining and upper-leather with a water-proof layer consisting of bladder treated with oil, substantially as herein shown and described.

2. A boot or shoe having its upper formed of three layers, of which the inner layer is folded under the inner sole, and the outer layer is extended outward to form a welt, substantially as herein shown and described.

3. In a boot or shoe, the combination, with  
the sole A, of an upper formed of three layers,  
of which the outer one is extended outward,  
and of the welt G, which welt and the out-  
5 turned layer are sewed to the sole, substan-  
tially as herein shown and described.

4. In a boot or shoe, the combination, with  
the sole A, of an upper formed of three layers,  
the bottom edge of the outer layer extending

outward, the welt G, and the double sole J, so  
the welt and upper being sewed to the inner  
sole, A, and the welt being sewed to the double  
sole J, substantially as herein shown and de-  
scribed.

JOHN HANSEN.

Witnesses:

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