

No. 638,735.

Patented Dec. 12, 1899.

W. T. MILLER.

OVERSHOE.

(Application filed July 29, 1899.)

(No Model.)

Fig. 1.

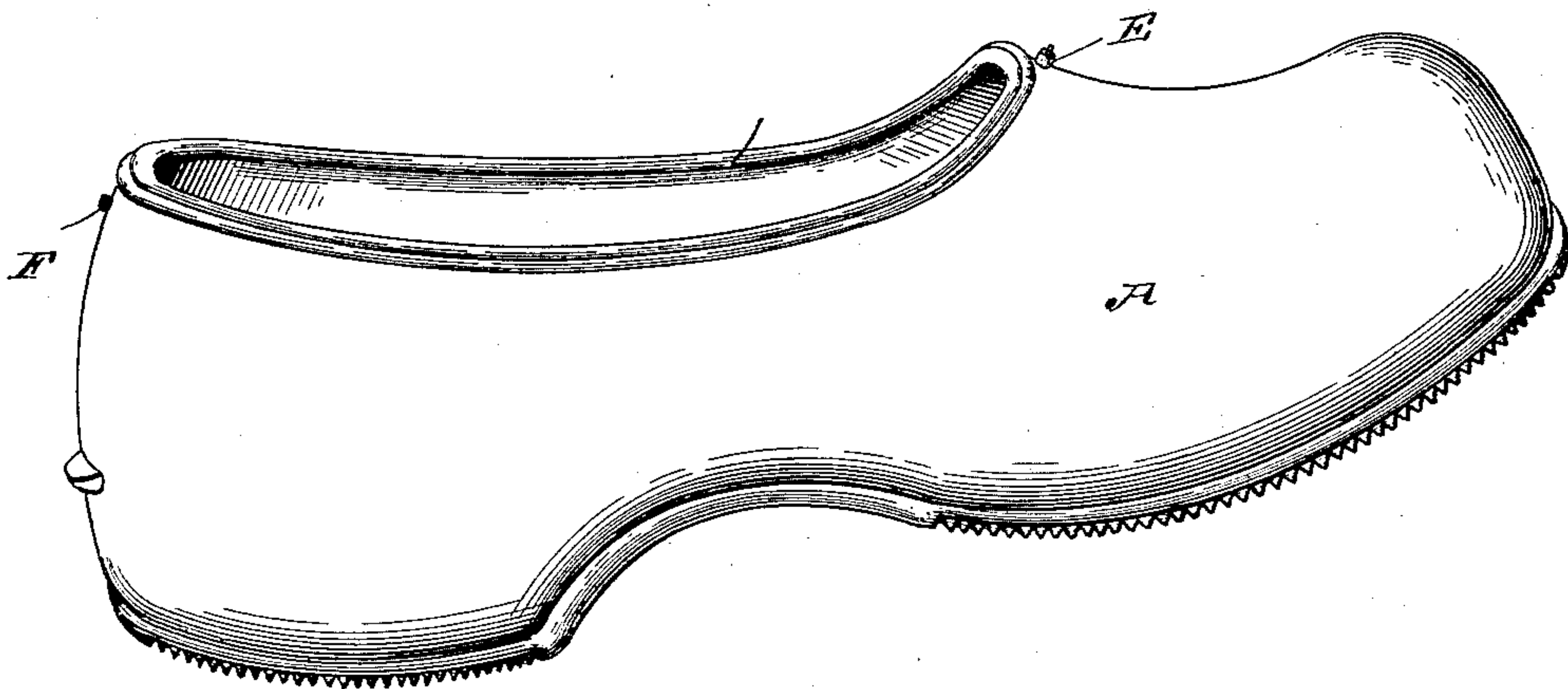


Fig. 2.

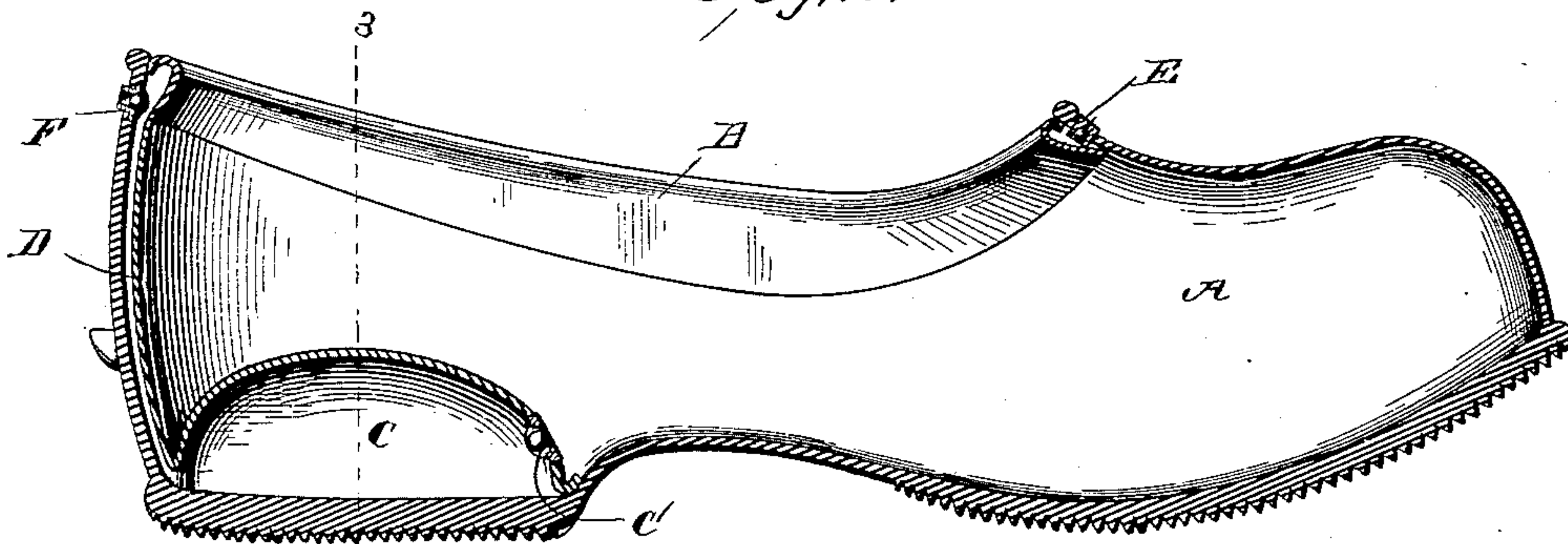


Fig. 3.

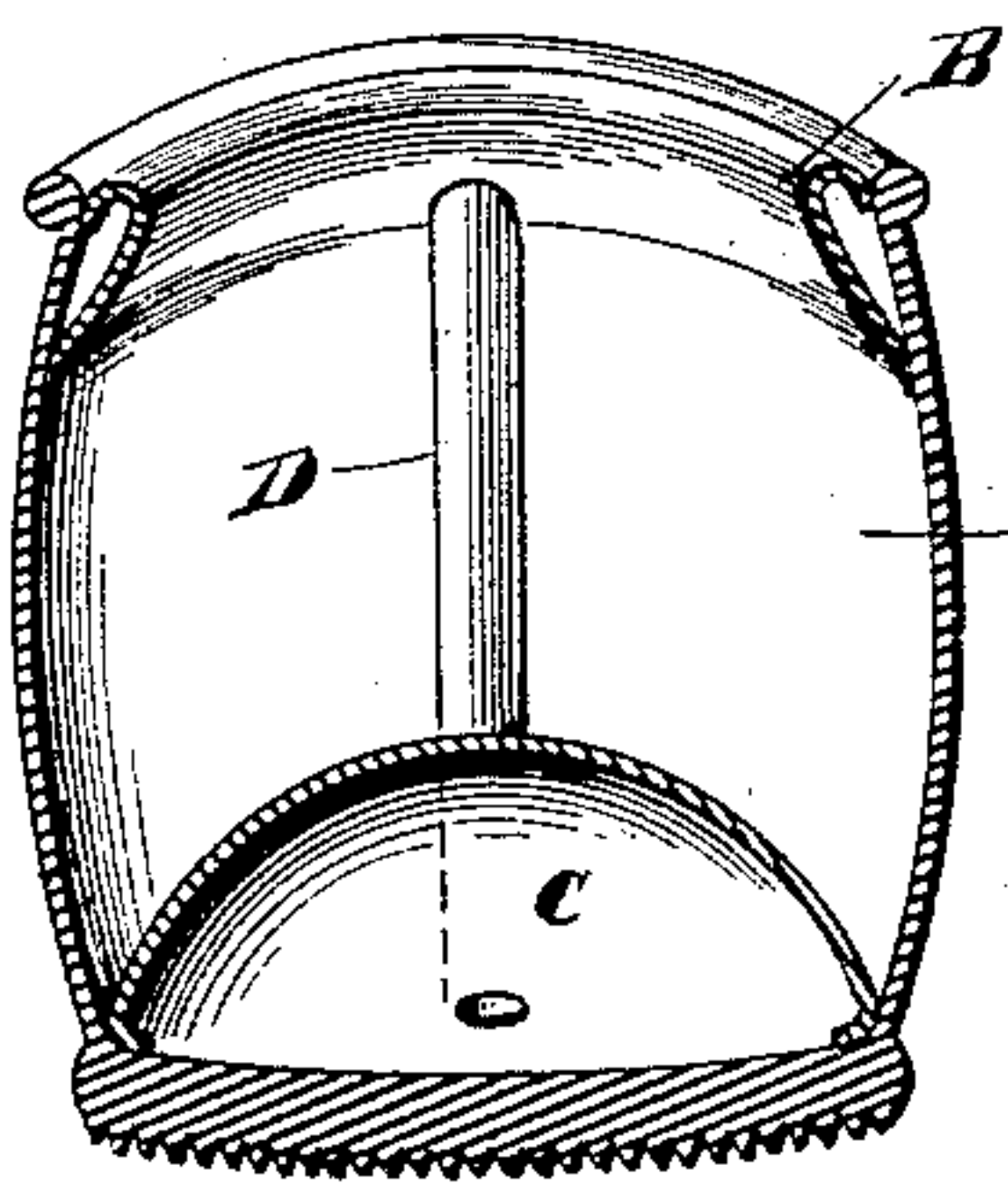
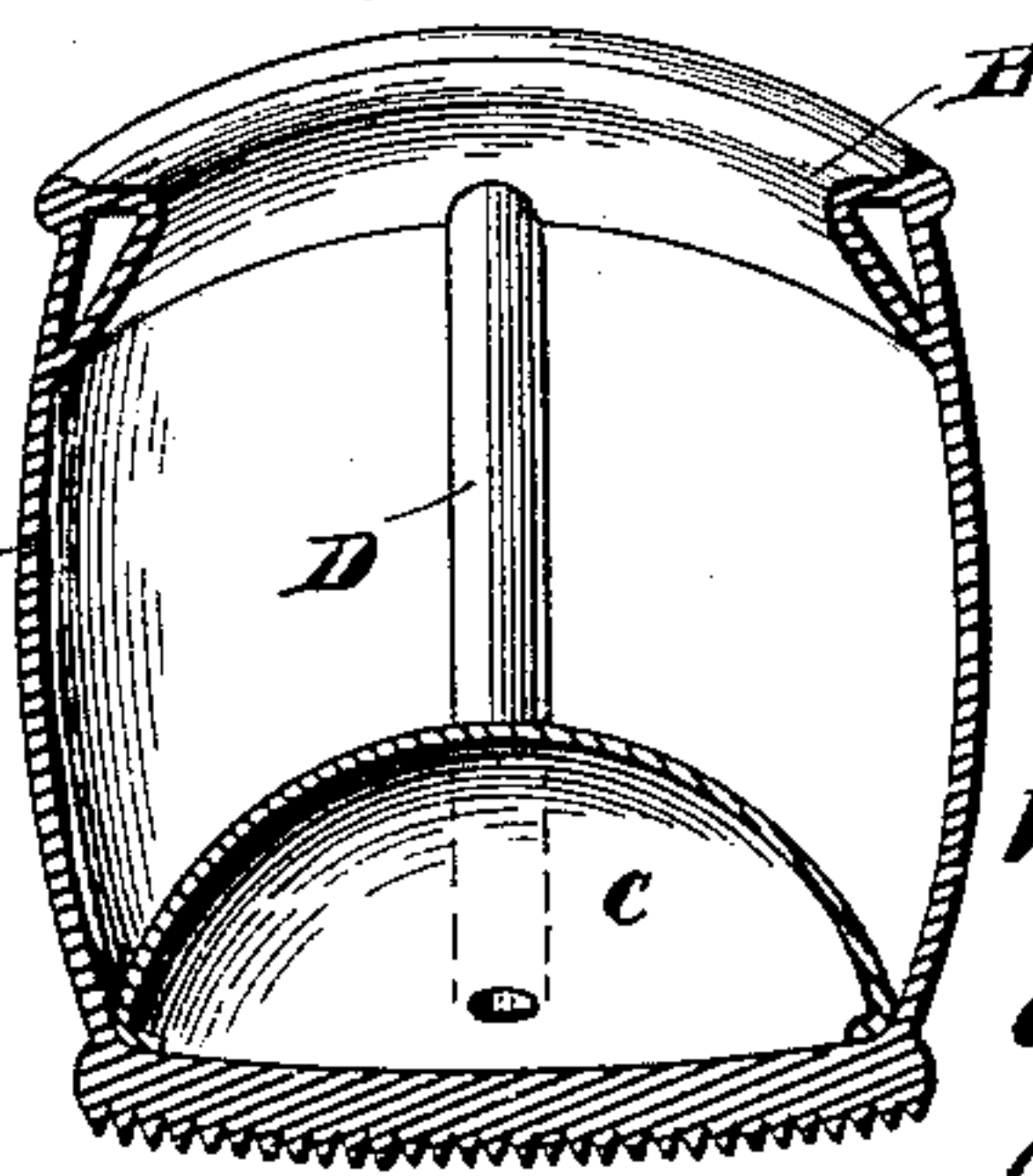


Fig. 4.



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OVERSHOE.

SPECIFICATION forming part of Letters Patent No. 638,735, dated December 12, 1899.

Application filed July 29, 1899. Serial No. 725,508. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM T. MILLER, a citizen of the United States, residing at McKeesport, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Overshoe, of which the following is a specification.

This invention is a new and useful construction of overshoe, the object being to provide a simple and efficient means in connection with the overshoe proper whereby dirt and water are excluded from the top of the shoe, a tight joint being provided; and another object of the invention is to so construct the packing that it will be impossible for the overshoe to pull off or be taken off except in a specified manner.

With these objects in view the invention consists, essentially, in providing an inflatable tube upon the interior edge of the orifice of the overshoe.

The invention consists also in constructing the said inflatable tube in such a manner as to prevent the slipping of the shoe; and the invention consists also in providing means within the shoe for automatically inflating the tube as the shoe is inserted into the overshoe.

The invention consists also in certain details of construction and novelties of combination, all of which will be fully described hereinafter and pointed out in the claims.

In the drawings forming part of this specification, Figure 1 is a perspective view of an overshoe constructed in accordance with my invention. Fig. 2 is a vertical longitudinal section of the same. Fig. 3 is a transverse section on the line 3 3 of Fig. 2, and Fig. 4 is a transverse section showing a slightly-modified form of construction.

In carrying out my invention the overshoe A may be of any desired shape or construction, and upon the inner edge of the opening is arranged an inflatable rubber tube B, said tube being preferably wedge-shaped in cross-section, the broad end being uppermost, so that any movement of the overshoe from the shoe proper will be prevented after the tube has once been inflated, as it will be readily understood that the tube acts as a wedge and not only prevents the entrance of dirt and water, but also prevents the overshoe slipping off. In order to permit the shoe to be in-

serted into the overshoe and then inflate the tube afterward, I employ a bulb C, which is preferably arranged in the heel portion of the overshoe and connected with the inflatable tube at the rear end by means of a pipe D, said bulb being provided with the ordinary inlet-valve C' at the forward end, and the pipe D may be provided with any suitable construction of check-valve to prevent the air escaping from the tube B after it has once been inflated.

By means of the bulb C, connected to the inflatable tube B, as before described, it will be seen that as the shoe is inserted into the overshoe the heel will bear upon the bulb C and force the air therefrom, and the capacity of said bulb is such that the entire tube B will be fully inflated and the overshoe securely fastened upon the shoe. An outlet-valve E of any suitable construction is preferably arranged in the inflatable tube B, at the forward end thereof, and whenever it is desired to withdraw the overshoe the said valve E is operated to release the air from the tube B, and the shoe can then be easily removed. At the rear end of the tube B is arranged an inlet-valve, by means of which the tube can be inflated from the outside by means of a bulb or pump in case the bulb C should become inoperative, and in this connection it will be understood that any form of bulb or pump may be used in connection with the inlet-valve F.

In Fig. 3 the inflatable tube B is shown separable from the overshoe proper, it being vulcanized or cemented thereto in any suitable manner, while in Fig. 4 said tube is made integral with the shoe, the edge of the opening being drawn down, as indicated, to provide the tube.

It will thus be seen that I provide an exceedingly simple and efficient means for rendering the overshoe tight against dirt and water and at the same time securely fastened to the shoe to prevent slipping from the shoe proper.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. An overshoe having an inflatable tube surrounding the inner edge of the opening, and the bulb arranged within the heel por-

tion of the overshoe, and connected with the inflatable tube, for the purpose of inflating the same, substantially as shown and described.

- 5 2. An overshoe having an inflatable tube surrounding the inner edge of the opening, an inflating-bulb arranged within the heel portion of the overshoe and connected with the tube, and the outlet-valve arranged at the

forward end of the tube for the purpose of releasing the air from the tube when it is desired to remove the overshoe, substantially as shown and described.

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