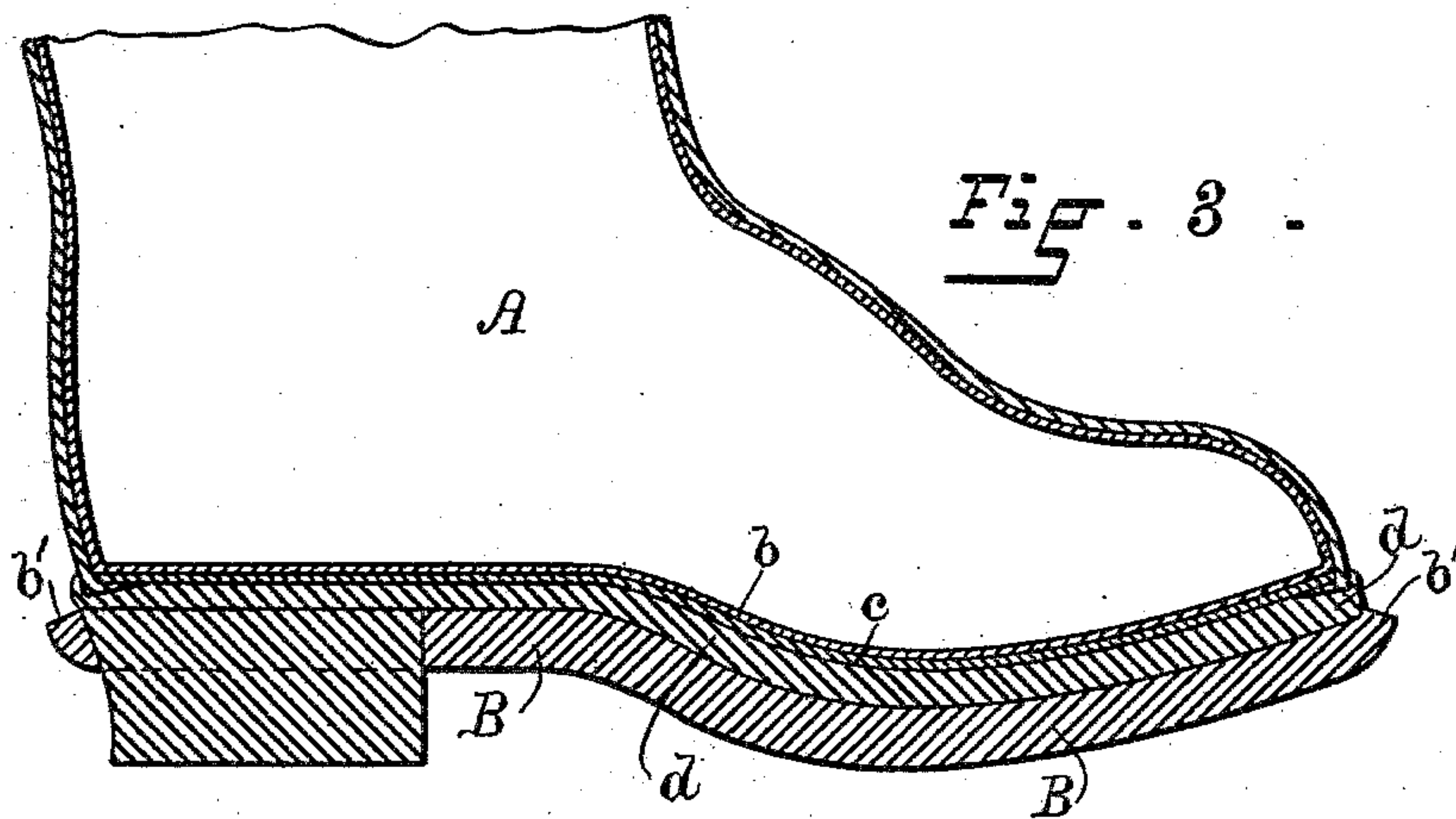
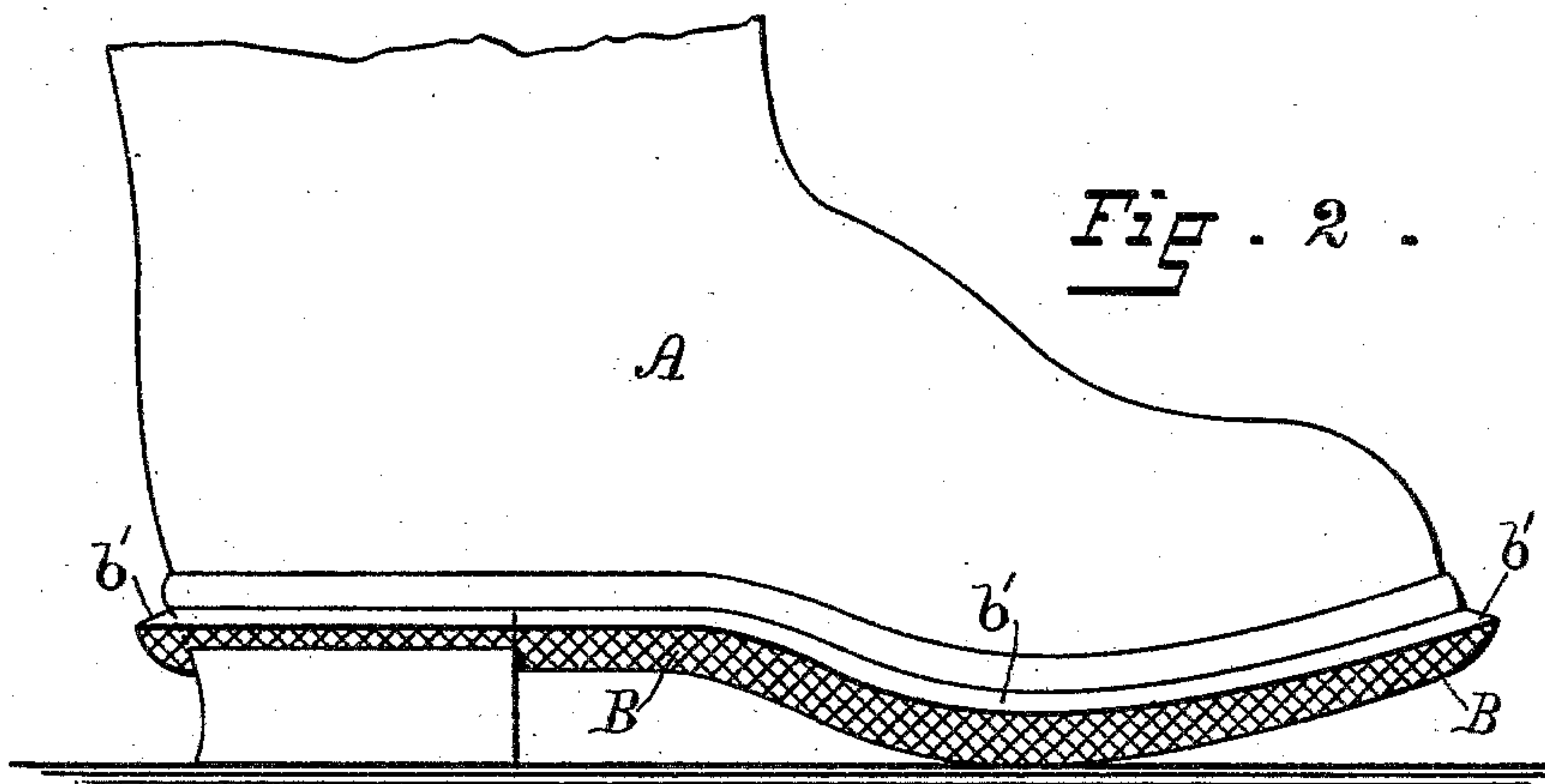
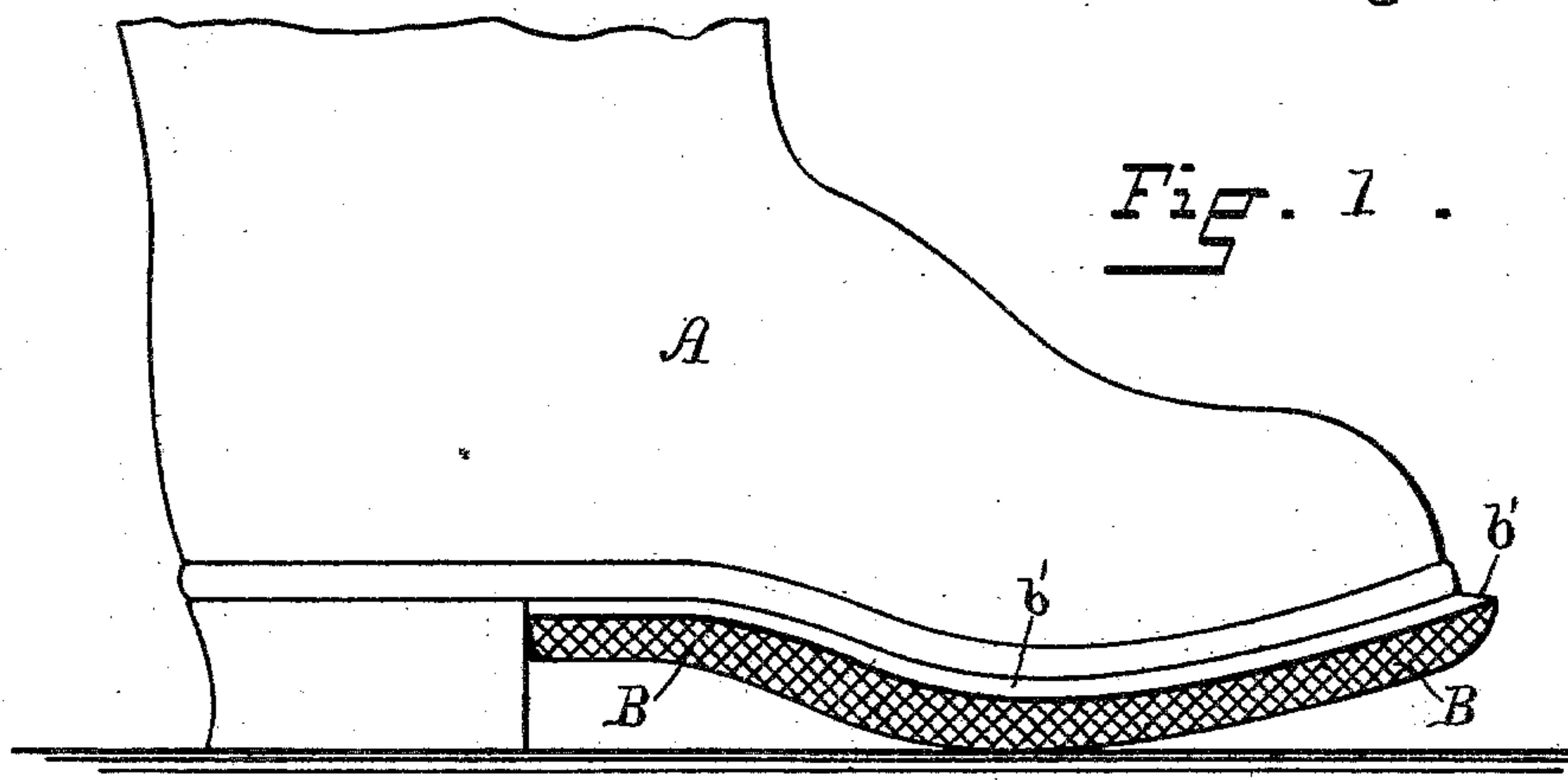


(No Model.)

F. FLYNN.
RUBBER BOOT.

No. 303,220.

Patented Aug. 5, 1884.



WITNESSES:

C. H. Luther Jr.
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UNITED STATES PATENT OFFICE.

FRANCIS FLYNN, OF WOONSOCKET, RHODE ISLAND, ASSIGNOR TO THE
WOONSOCKET RUBBER COMPANY, OF SAME PLACE.

RUBBER BOOT.

SPECIFICATION forming part of Letters Patent No. 303,220, dated August 5, 1884.

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

To all whom it may concern:

Be it known that I, FRANCIS FLYNN, of Woonsocket, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Rubber Boots, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

This invention has reference to the class of rubber boots used by quarrymen, miners, and others, whose occupation compels them to walk among sharp-edged stones and quartz, liable to cut the soles and uppers of the rubber boots as ordinarily constructed.

The invention consists in providing a rubber boot or shoe with a tap or double sole projecting beyond the main sole, either all around the boot or shoe or in front of the heel only, as will be more fully set forth hereinafter.

Rubber boots have heretofore been constructed to fit them for particular work, and such rubber boots have been strengthened by extending the sole over the upper at the instep to peculiarly fit them for sailors' use or for the use of gardeners by protecting the uppers in such places with the additional thickness of rubber. Such rubber boots are stiff and unsightly, and do not protect the boot as completely as does the projection of the tap or double sole, which by extending beyond the main sole and the uppers forms a guard or fender for the sole and upper, and prevents the cutting of the same by any sharp or pointed material.

In order that my invention may be fully understood, I will proceed to describe it with reference to the accompanying drawings, in which—

Figure 1 is a side view of a rubber boot provided with a projecting under sole or tap extending from the heel forward. Fig. 2 is a view of a rubber boot provided with a projecting under sole or tap and a projection extending around the heel. Fig. 3 is a sectional view showing the projecting under sole or tap and the guard extending around the heel.

In the drawings, A represents the upper of

the rubber boot. *b* is the insole, *c* the rag sole, and *d* the outsole. B is the extra under sole or tap, and *b'* the projection or guard, extending beyond the main sole and the heel, if desired. The extra sole may be made in the form of the well-known diamond tap, the point of which extends into the shank, and may be made to project beyond the sole and upper at the tread of the boot forward of the shank only, thus protecting the toe and the sides of the sole and upper. The extra sole may extend to the heel, and thus protect the sole and upper forward of the same, as is shown in Fig. 1, and the heel may be protected by the guard *b'*, extending around the heel; or the extra sole may extend from end to end and project all around the main sole, thus forming a strong and durable guard for the sole and upper, and in this case the heel may be secured to the extra sole B.

A rubber boot constructed on this principle not only protects the sole and upper of the boot against injury, but it gives a much firmer foothold to quarrymen and miners, enabling them to perform their work with more security.

I prefer to bevel the upper surface of the guard *b'*, and extend the roughening to the beveled edge, as is shown in Figs. 1 and 2.

Having thus described my invention, I claim—

1. A rubber boot or shoe provided with a tap or extra sole extending beyond the main sole, constructed to protect the boot, as described.

2. The combination, with the upper *a* and sole *d*, of a rubber boot, of the extra sole B, provided with the projection or guard *b'*, as described.

3. The combination, with the main sole, the upper, and the heel of a rubber boot, of the extra sole B, projecting beyond the main sole, and the guard *b'*, extending around the rear portion of the heel, as described.

FRANCIS FLYNN.

Witnesses:

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