

(No Model.)

F. M. SHEPARD.
RUBBER BOOT AND SHOE.

No. 288,127.

Patented Nov. 6, 1883.

FIG. 1.

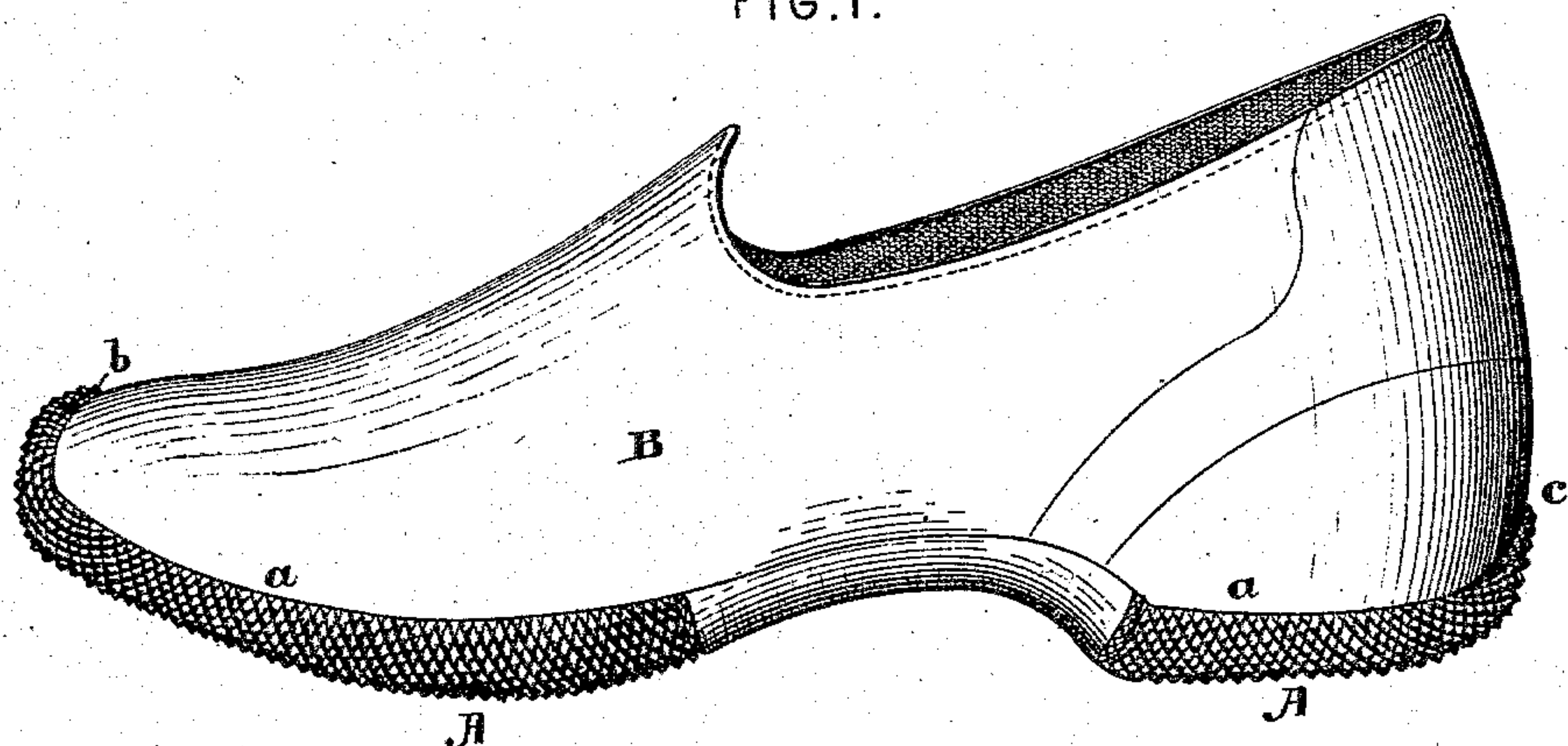
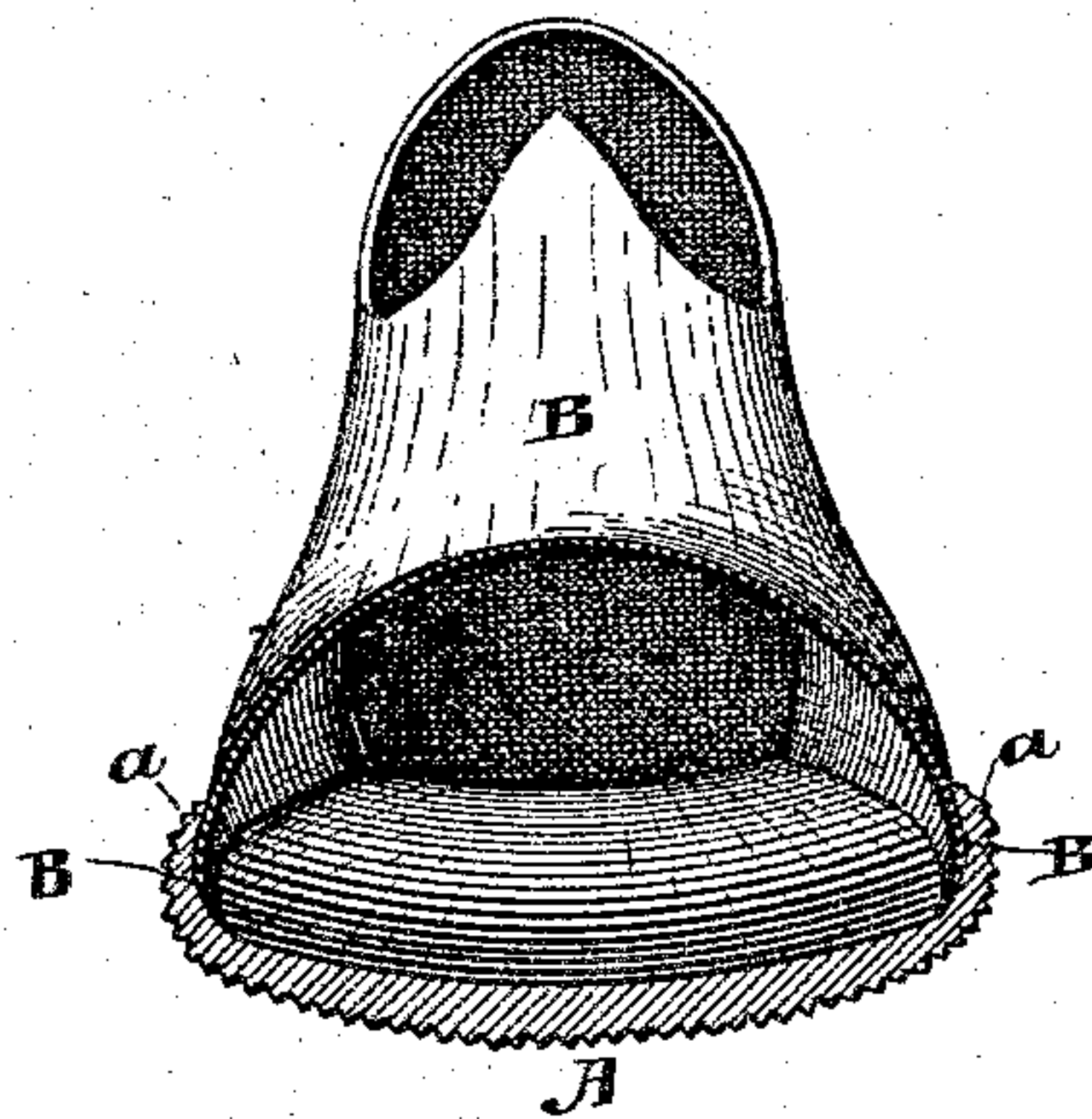


FIG. 2.



ATTEST.

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INVENTOR.

Frederick M. Shepard
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UNITED STATES PATENT OFFICE.

FREDERICK M. SHEPARD, OF EAST ORANGE, NEW JERSEY.

RUBBER BOOT AND SHOE.

SPECIFICATION forming part of Letters Patent No. 288,127, dated November 6, 1883.

Application filed September 7, 1883. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK M. SHEPARD, of East Orange, county of Essex, and State of New Jersey, have invented a new and useful
5 Improvement in Rubber Boots and Shoes, which improvement is fully set forth in the following specification.

This invention has reference to the manufacture of india-rubber boots and shoes, and
10 has for its object to increase their strength and durability.

In rubber boots and shoes of the ordinary construction great strain is put upon the edge of the upper where it joins the sole, and the rubber frequently cracks or tears at that part. Particularly is this the case when, in coasting downhill, the edge of the shoe is used to guide the sled. To strengthen the shoe at this part, and enable it to withstand such wear without
15 splitting or tearing, I turn up the edge of the sole upon the upper for a quarter of an inch (more or less) all around the shoe, thereby bringing the line of union between these parts higher up on the side of the shoe, and forming around
20 the bottom a strong thick edge, which will stand a great amount of wear. It has been proposed heretofore to strengthen the toe, which is liable to wear from striking impediments in walking, by turning up the end of the sole over the upper, and to turn up the
25 back of the heel in the same manner. It has also been proposed to construct a boot for the use of seine-men with a flap turned up at the shank only; but so far as I am aware a rubber boot or shoe with the sole turned up entirely around the heel or around the whole upper is a new article of manufacture.

In the accompanying drawings, Figure 1 is a perspective view, and Fig. 2 a cross-section,
30 of a rubber shoe constructed in accordance with the invention.

In constructing a boot or shoe according to my invention, the sole A and upper B are separately formed in the ordinary way. In cutting the sole, however, it is made large enough
45 to leave a margin, *a*, which is turned up all around the shoe and the parts united by vulcanization or otherwise. The margin *a* may be of the same width throughout; or it may have an irregular edge. It is preferred to
50 have the edge of the part *a* regular along the sides of the boot or shoe, with projecting points *b c* at the toe and heel, as shown in Fig. 1, though the invention is not limited to such or any precise construction. It is also preferred
55 to have the turned-up strip serrated in the same manner as the rest of the sole.

It is obvious that modifications could be made in the width of the turned-up margin and in other details of construction without
60 departing from the spirit of the invention, and also that a part only of the invention may be used. For example, the sole may be turned up around the heel only, the rest of the shoe being constructed in the ordinary way.

It is also obvious that the turned-up edge may be formed in a separate piece from the sole and made homogeneous therewith, after being applied to the boot or shoe, by vulcanization.
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I claim—

An india-rubber boot or shoe having the sole turned up over the upper around the whole boot or shoe, forming a protector for the upper, substantially as described.
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In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

FREDERICK M. SHEPARD.

Witnesses:

CHAS. B. COE,
NORWOOD T. SMITH.