

(No Model.)

A. A. BROOKS.
BOOT OR SHOE SOLE.

No. 280,791.

Patented July 10, 1883.

Fig. 1.

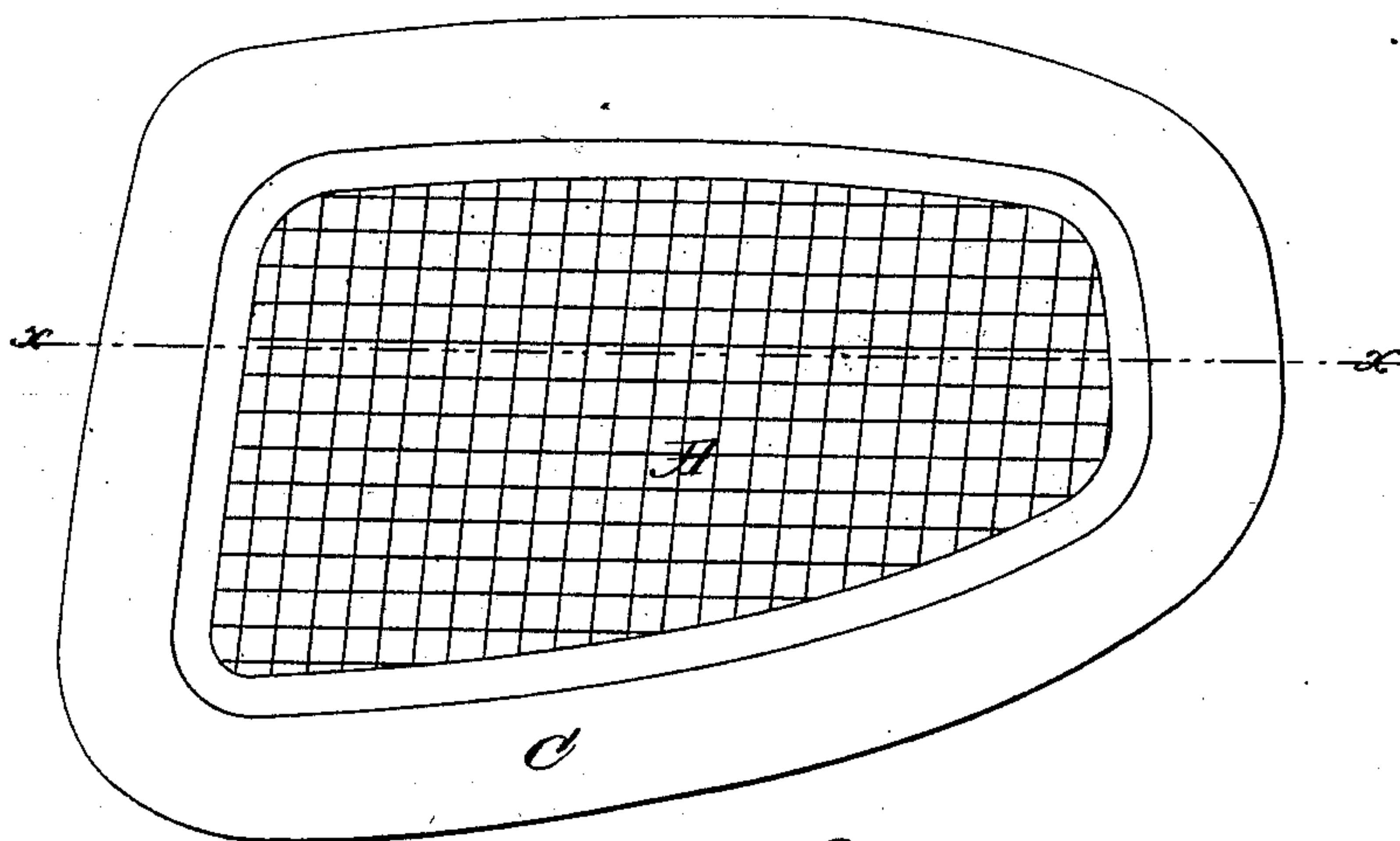


Fig. 2.

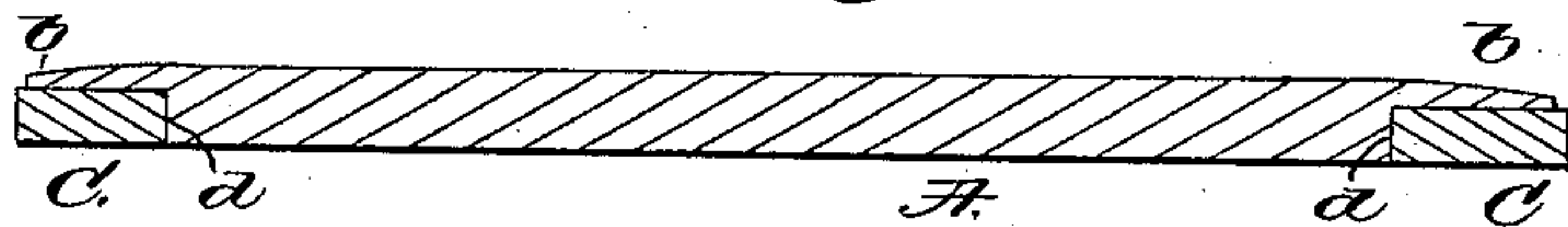
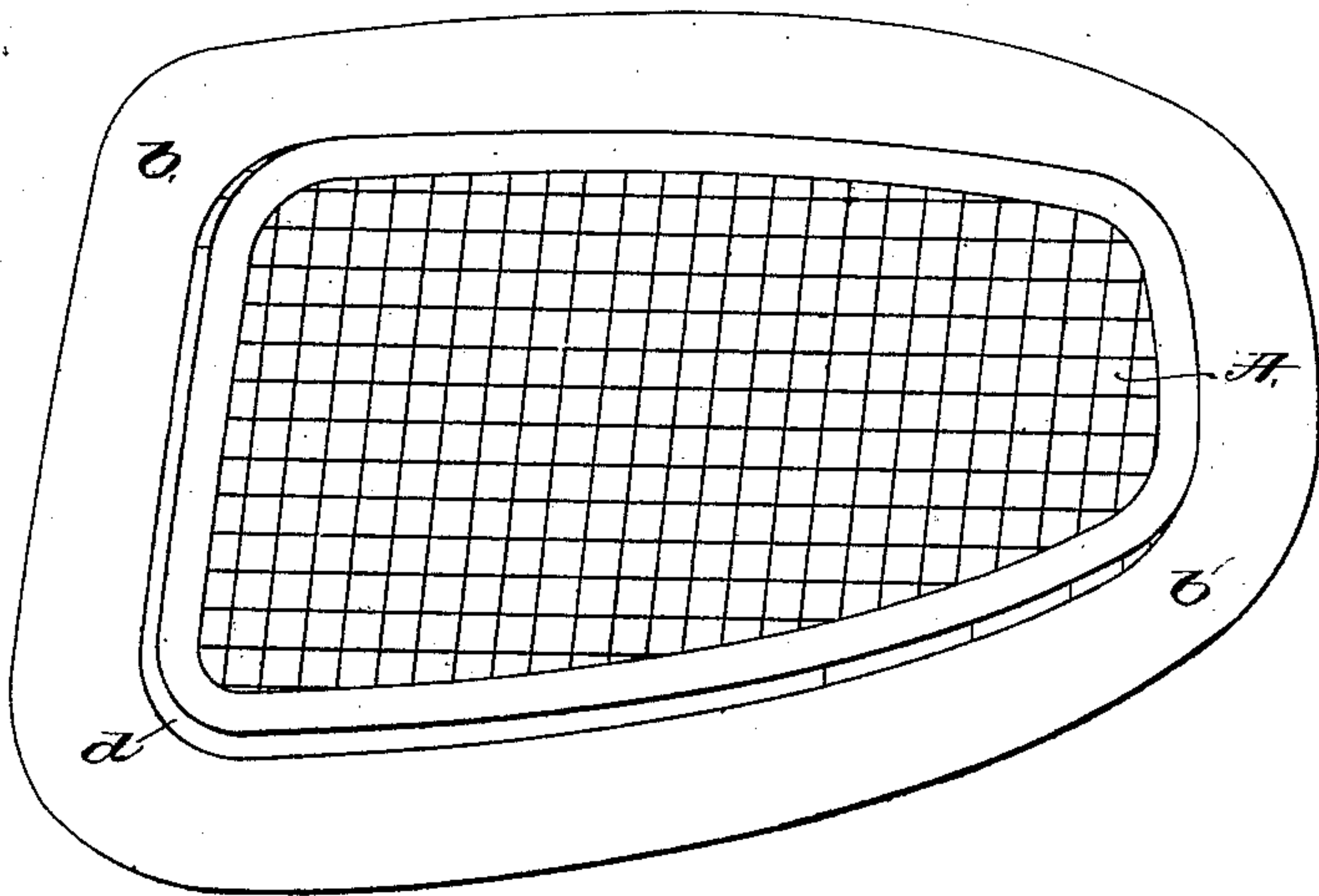


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

ALFRED A. BROOKS, OF CAMBRIDGE, MASSACHUSETTS.

BOOT OR SHOE SOLE.

SPECIFICATION forming part of Letters Patent No. 280,791, dated July 10, 1883.

Application filed April 4, 1883. (No model.)

To all whom it may concern:

Be it known that I, ALFRED A. BROOKS, of Cambridge, county of Middlesex, State of Massachusetts, have invented an Improvement in Boots or Shoes, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object the production of a strong and durable sole the central tread-surface of which is composed of india-rubber; and my invention consists, essentially, in a flanged or shouldered sole or tread part, composed of india-rubber, surrounded externally below the said shoulder with an edge-wearing-surface of leather, as will be described. In this instance my invention is shown as embodied in a tap-sole.

Figure 1 represents an under side view of a tap-sole embodying my invention; Fig. 2, a longitudinal section thereof on the line *xx*, Fig. 1; and Figure 3 is a perspective view of the india-rubber part with the surrounding wearing-surface removed.

The tread-part *A* and the flange *b* are integral, being composed of a single piece of cast or molded india-rubber, the flange *b* being extended outwardly about the central part of it in all directions far enough to form a shoulder, *d*, and horizontal projection to receive the surrounding edge wearing-surface of leather *C*,

(shown only in Figs. 1 and 2,) the said surface of leather serving as the edge to receive blows against stones &c.

In use, the central part, *A*, rests with its flat or corrugated face against the pavement or earth. The rubber flange *b* lies above the leather *C*, and prevents dampness from passing upward through the latter.

I do not broadly claim a sole made up of a central portion and edge of a different material; but I am not aware that a flanged sole or tread surface or portion has ever been made from india-rubber as a single piece and surrounded by a leather rim. Nails, stitches, or other fastenings inserted through the leather rim will penetrate the flange *b*.

I claim—

As an improved article of manufacture, a sole having a central tread-surface of rubber, provided at its edge with a shouldered flange, and having an edge wearing-surface of leather, held in place by the said flange, all substantially as shown and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALFRED A. BROOKS.

Witnesses:

G. W. GREGORY,
BERNICE J. NOYES.