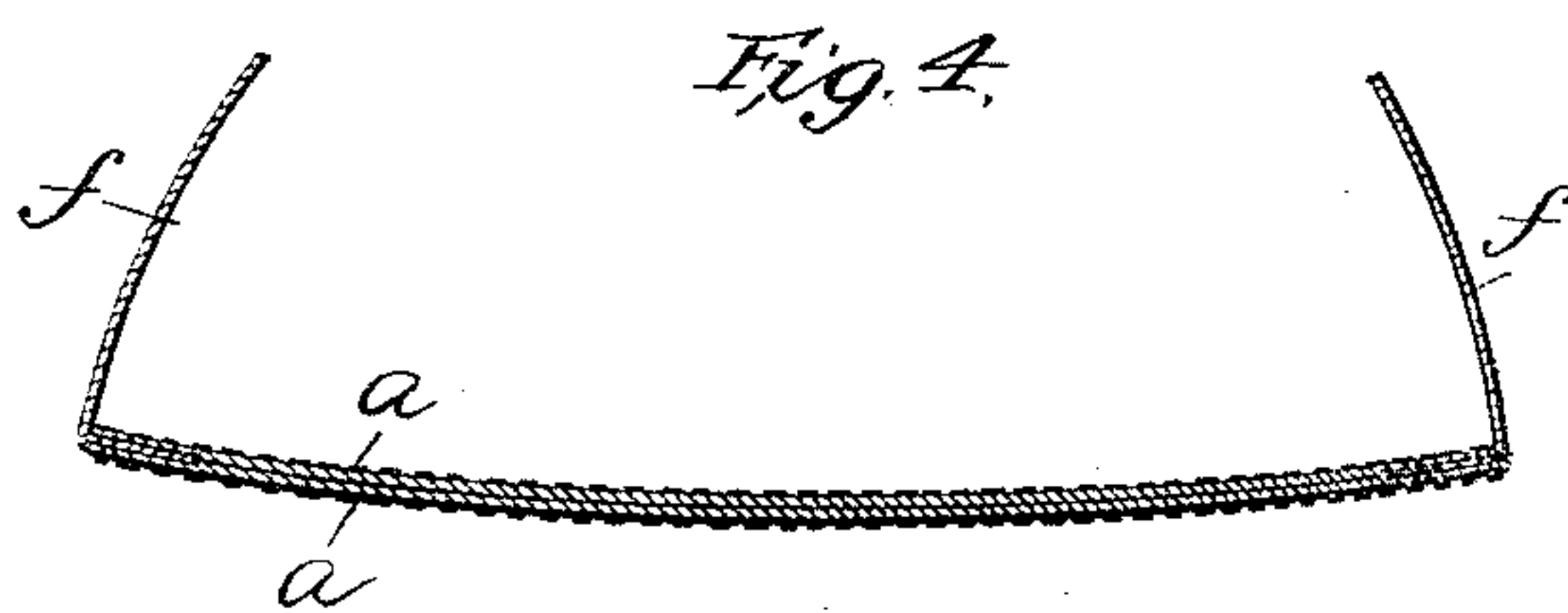
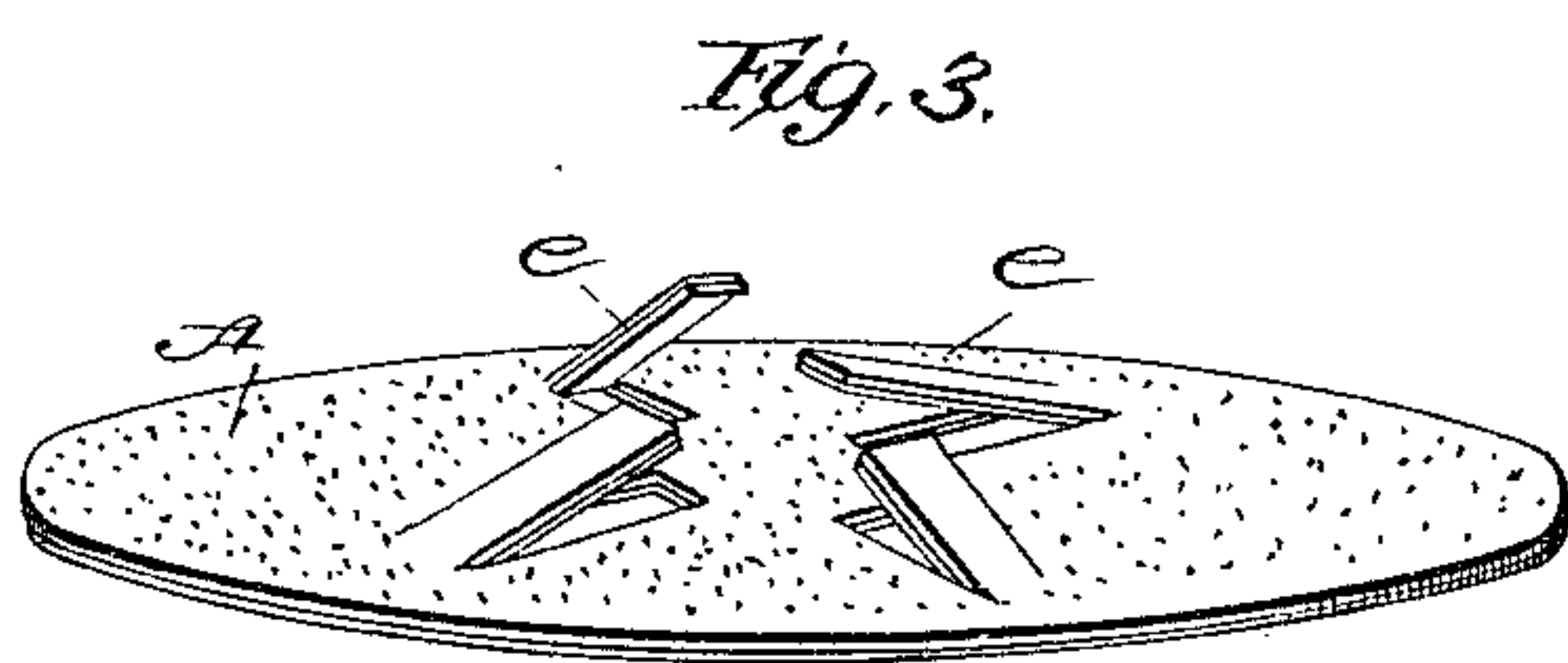
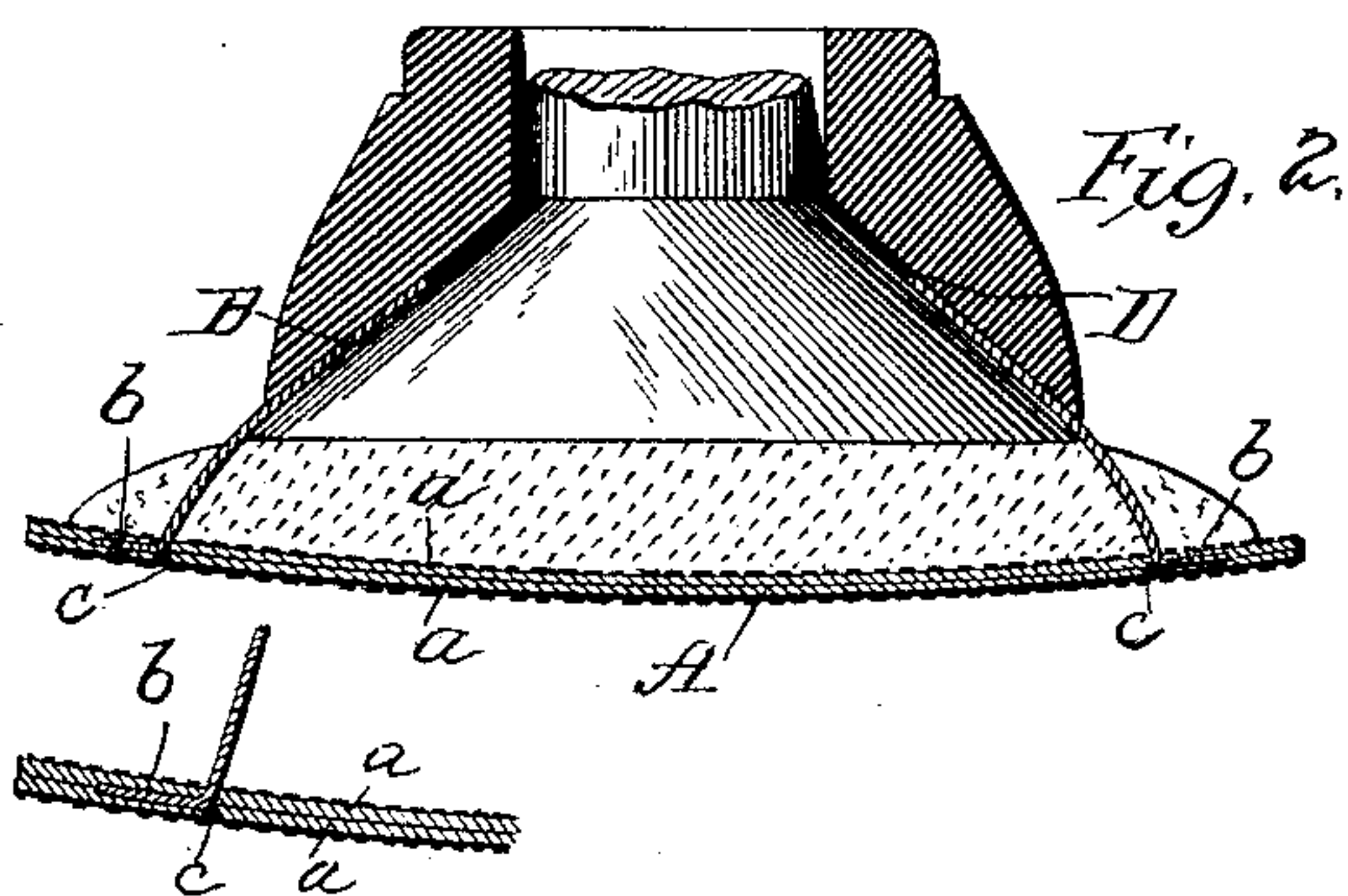
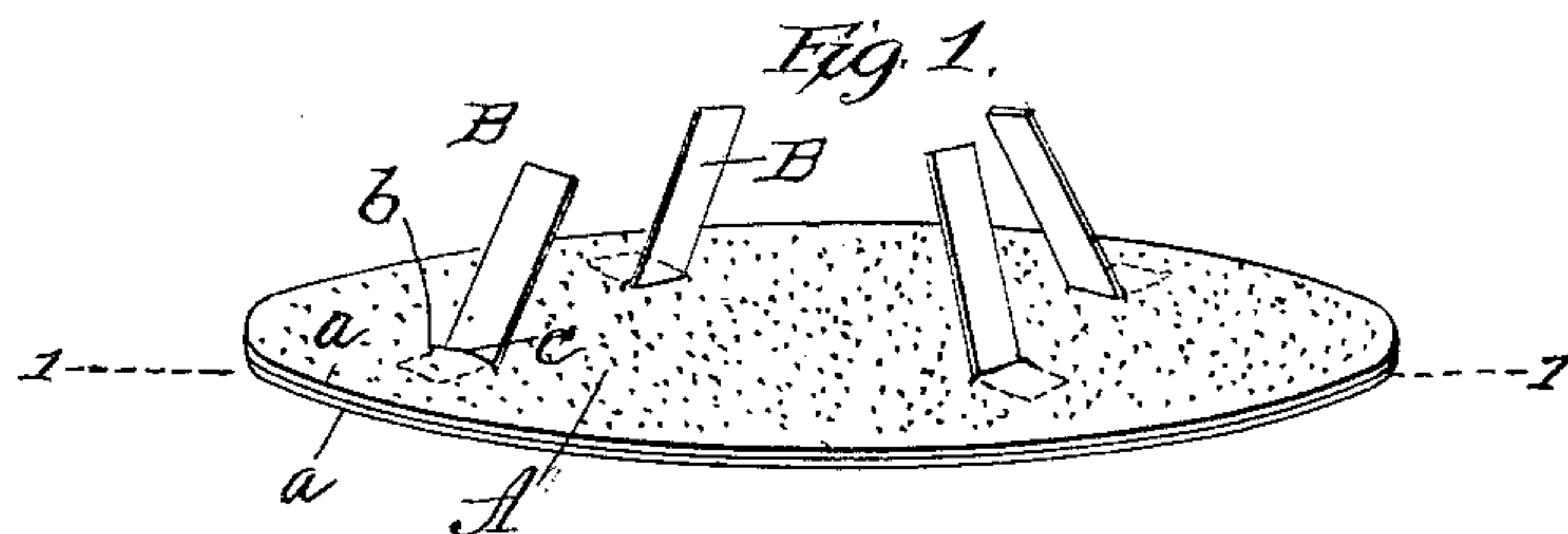


(No Model.)

A. W. ROGERS.
ABRADING COVERING FOR BUFFERS.

No. 407,247.

Patented July 16, 1889.



Attest
Walter P. Keene.
Walter P. Keene.

Inventor
Andrew W. Rogers.
By Ellis Spear
Atty.

UNITED STATES PATENT OFFICE.

ANDREW W. ROGERS, OF BEVERLY, MASSACHUSETTS, ASSIGNOR TO SIDNEY W. WINSLOW, TRUSTEE, OF SAME PLACE.

ABRADING-COVERING FOR BUFFERS.

SPECIFICATION forming part of Letters Patent No. 407,247, dated July 16, 1889.

Application filed December 7, 1888. Serial No. 292,925. (No model.)

To all whom it may concern:

Be it known that I, ANDREW W. ROGERS, of Beverly, in the county of Essex and State of Massachusetts, have invented a new and useful Improvement in Abrading-Coverings for Buffers; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention, hereinafter explained, relates to the abrading-coverings for buffers, such as are used to finish the soles of boots or shoes.

The invention consists of a double-faced reversible cover, which is provided with reversible attaching devices adapted to connect it to the foot, and adapted, when one face is worn, to be turned to bring the other into use.

It is illustrated in the accompanying drawings, in which—

Figure 1 shows in perspective the double cover with its attaching devices inserted in slits in either face. Fig. 2 is a section thereof on line 1 1 of Fig. 1. Fig. 3 shows in perspective a modification in which the attachments are formed by tongues cut out of the material of the covering. Fig. 4 shows another modification in section, in which the tongues are inserted between the two thicknesses of the sand-paper and project outward.

In the drawings, the abrading-covering A is formed of two thicknesses *a a* of sand-paper, this material representing here any of the various forms of its class. These are united, preferably, by glue, and are molded, preferably, in concavo-convex form, and, being of stiff material, when finished may be sprung into reverse positions to bring one or the other of the faces into convex working form, as the case may require.

In the form first shown, the attachments or projections by means of which the covering is adapted to be connected to the ordinary foot of a buffer consists of two or more (preferably three or four) strips B, of stiff sheet metal, the lower ends of which are bent at right angles to form feet *b*, which are inserted into slits *c* in the faces of the covering and between the two parts thereof. When so inserted the covering may be attached to

the foot D, as described in an application filed by me in the United States Patent Office, of even date herewith and having Serial No. 292,924, or in any other convenient or well-known way.

The second form of connecting projections or attachments adapted to be used with my invention is shown in Fig. 3, in which the strips *e* are cut out and formed of the material of the double covering, being integral therewith on one end. They are reversible also, and may be turned either way, according to the face used of the covering, and are the same turned in either direction. The other form of connecting projections consists of straps *f*, the ends of which are inserted between the two parts *a a* on the edges and project outward, being held by the glue or in any convenient way. They may be turned up over the edge of the foot and be connected therewith in any suitable way. These two last-mentioned forms of connecting projections for the covering are not herein broadly claimed, being shown and claimed in applications filed by me in the United States Patent Office, of even date herewith and serially numbered 292,926 and 292,927.

It will be plain that the double reversible covering has the advantage of economy, as one thickness of the sand-paper re-enforces the other to give it the required stiffness ordinarily imparted by a re-enforcement of stiff paper. There are also other advantages in respect to bulk and convenience in use.

The general form of the covering and its attachments is a highly advantageous one, and is shown and claimed in another application filed by me in the United States Patent Office, of even date herewith and serially numbered 292,924. (Referred to above.)

One special advantage of the first two forms of connecting projections is that they are adapted to a reversible covering, and in either position it has its projection between the margin and center.

I do not herein claim an abrading-covering for the foot of a buffer having connections to hold it to the foot, attached to the cover between the center and the margin, as that is not my invention broadly, as I am aware that

the broad invention is that of Freeman H. Winslow and the subject of a pending application, Serial No. 292,932, of December 7, 1888.

I claim as my invention—

5 1. A reversible abrading-covering for buffers, consisting of a flexible disk of concavo-convex form and abrading material on both sides of said disk, combined with reversible connections attached to said cover for hold-
10 ing it to the foot of the buffer, substantially as described.

2. A reversible abrading-covering for buffers, composed of two disks of abrading material placed back to back, and having slits
15 in each disk, in combination with fastening devices adapted to the slits in the disk, substantially as described.

3. A reversible abrading-covering for buffers, composed of two disks of abrading-covering placed back to back and having slits in
20 each disk, combined with the stiff strips B,

having bent lower ends adapted to the slits in the disk, substantially as described.

4. The combination of a buffer-foot, a double-faced reversible cover supported re- 25 movably on said foot, and holding connections between the cover and foot, substantially as described.

5. A reversible abrading-covering for buffers, consisting of a disk composed of two 30 sheets placed back to back, with abrading material on the outer face of each, combined with the reversible connecting devices for holding it to the foot of the buffer, substan-
35 tially as described.

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

ANDREW W. ROGERS.

Witnesses:

SIDNEY W. WINSLOW,
FREEMAN H. WINSLOW.