

E. A. BICKFORD & W. A. SWEET.

SLIPPER SOLE.

APPLICATION FILED DEC. 17, 1908.

960,149.

Patented May 31, 1910.

Fig. 1.

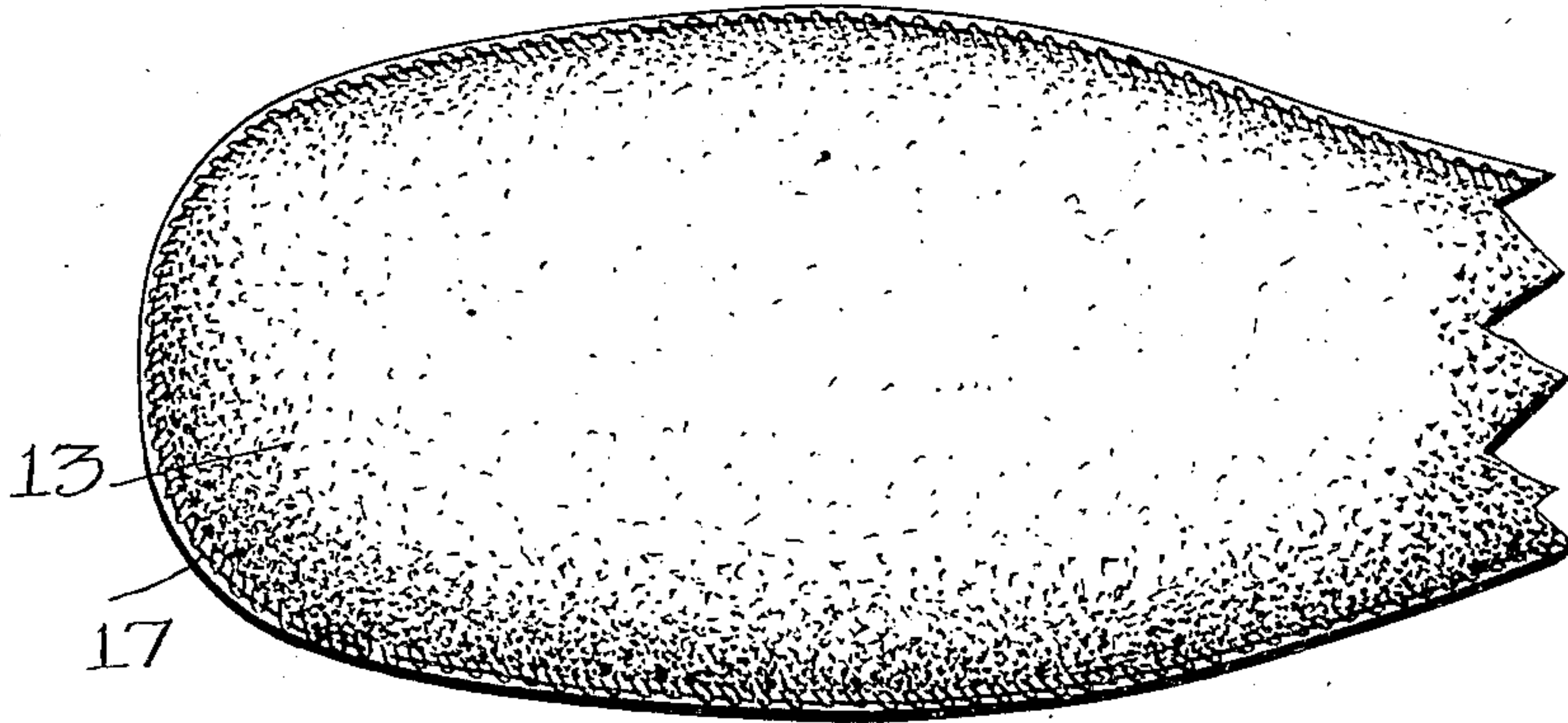


Fig. 2.

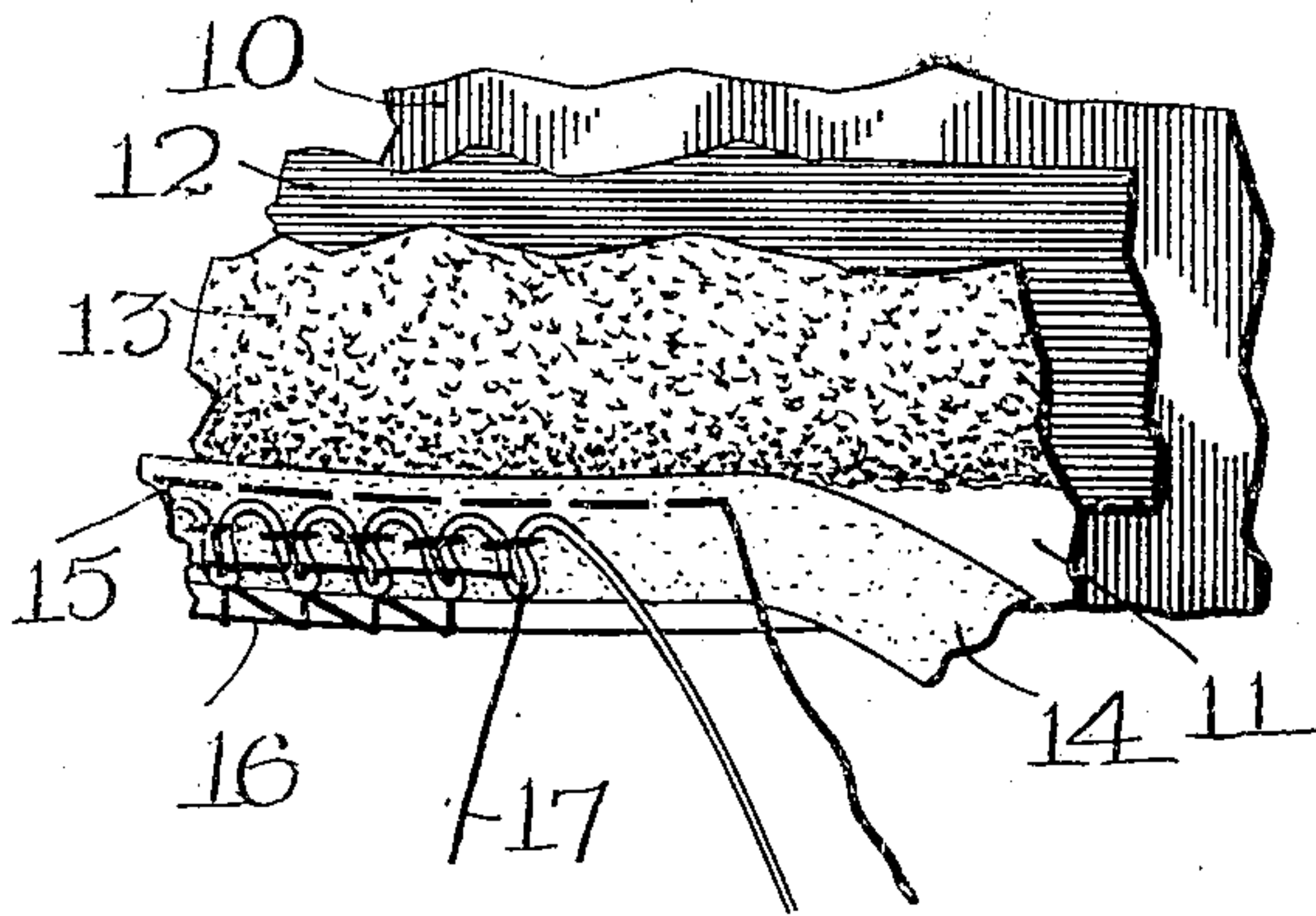


Fig. 3.

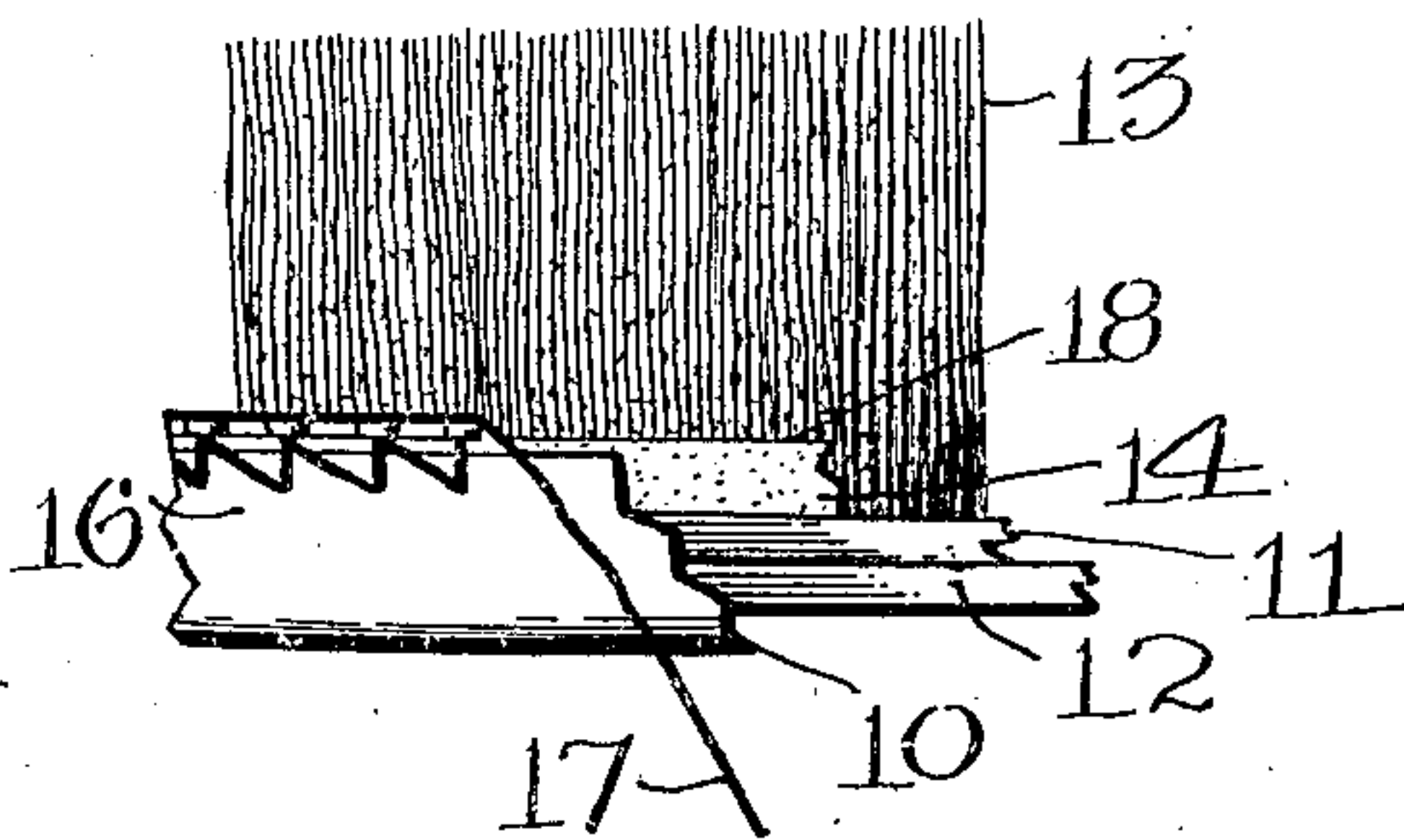


Fig. 4.

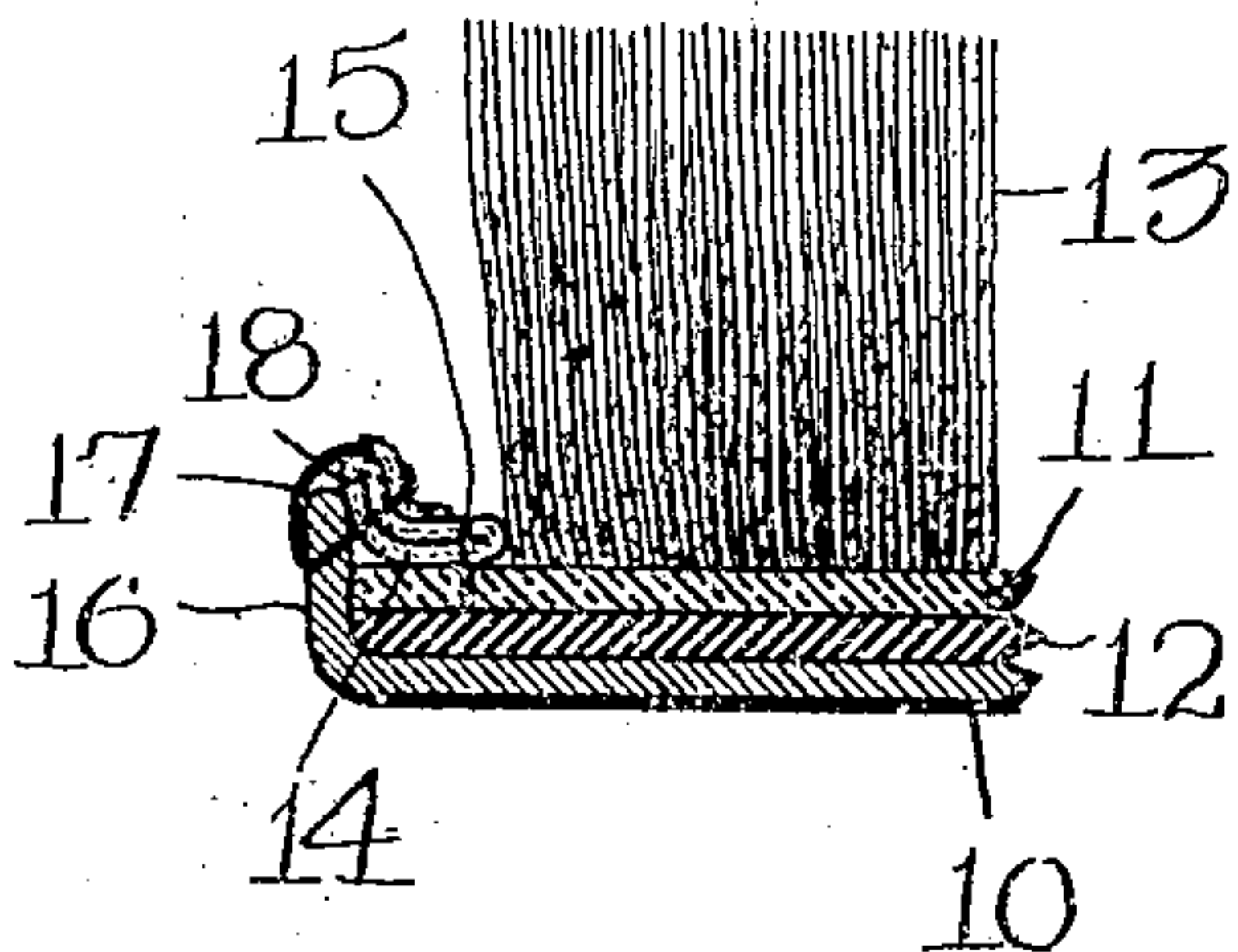
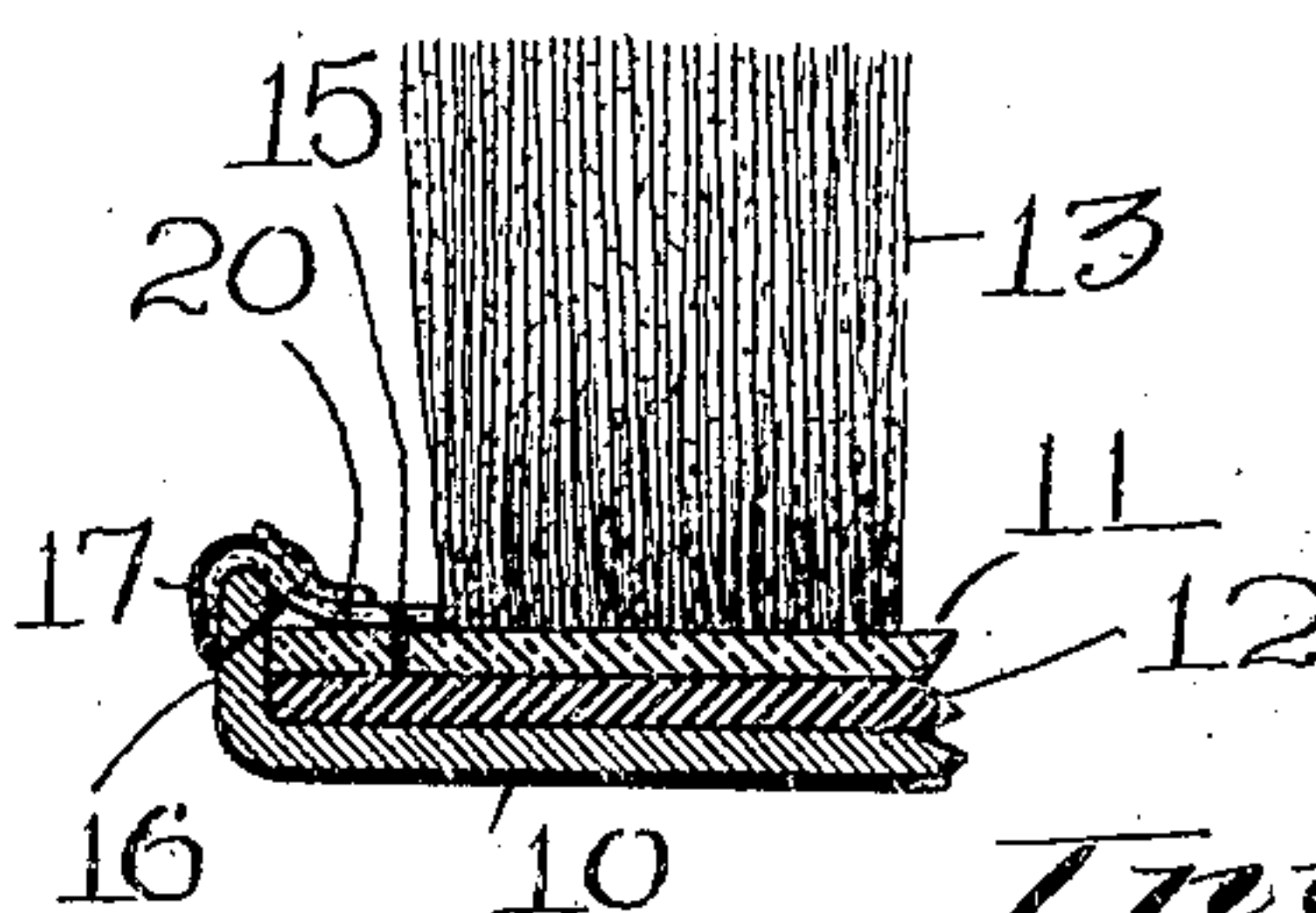


Fig. 5.



Witnesses:

C. F. Mason
C. D. Hartnett

Inventors,
E. A. Bickford
W. A. Sweet
By Attorneys
Southgate & Southgate.

UNITED STATES PATENT OFFICE.

ERNEST A. BICKFORD AND WALTER A. SWEET, OF WORCESTER, MASSACHUSETTS.

SLIPPER-SOLE.

960,149.

Specification of Letters Patent.

Patented May 31, 1910.

Application filed December 17, 1908. Serial No. 467,984.

To all whom it may concern:

Be it known that we, ERNEST A. BICKFORD and WALTER A. SWEET, citizens of the United States, both residing at Worcester, in the county of Worcester and State of Massachusetts, have invented a new and useful Slipper-Sole, of which the following is a specification.

This invention relates to a sole of the type used chiefly for the attachment of a crocheted or knitted upper or the like.

The principal objects of the present invention are to provide a construction which shall not present any hard or unyielding projection or any projection that is rigidly supported on the top of the insole that can irritate the foot; which shall be of such construction that the strip to which the upper is to be attached will be located at the edge and project up slightly therefrom so as to facilitate the attachment of the upper, and so that there will be a reduced strain and wear on the attaching thread, and be doubly secure on account of being sewed both to the insole and outsole; to provide a sole of this character in which the parts are securely sewed together so that the sole will not depend on pasting for its strength and durability; to provide means whereby all the raw edges are concealed and the upper can be very easily secured to the sole, and at the same time to provide a construction which will be simple and inexpensive to make, and will be durable in use.

Further objects and advantages of the invention will appear hereinafter.

Reference is to be had to the accompanying drawings, in which—

Figure 1 is a plan of a portion of a wool sole constructed in accordance with this invention. Fig. 2 is a fragmentary plan of the same showing the stitching by which the parts are secured in place; Fig. 3 is a fragmentary side view showing how the parts are put together; Fig. 4 is a sectional view, and Fig. 5 is a similar view of a modification, the last four figures being on an enlarged scale.

In the first four figures the invention is shown as applied to a slipper sole having an outsole 10, an insole 11, and a filling 12. The insole as usual is shown as of sheep skin having the wool 13 remaining thereon, but it can be applied to satin and other forms of soles intended for similar uses. In order to provide for attaching the upper and se-

cure the above mentioned advantages an attachment strip 14 is stitched around the edge of the insole by a row of stitches 15. This is shown in Fig. 4 as a tubular fabric which is placed on the insole in such position that although it is firmly secured thereto, it projects outwardly and upwardly from the extreme edge thereof. The insole with the strip 14 upon it can be handled conveniently, and preferably it is applied to the other parts of the sole after the strip is attached. The edge 16 of the outsole 10 is brought up all around so as to project upwardly and cover the edge of the leather board filling 12, and cover the raw edge thereof. The strip 14 has an upwardly projecting edge 18 just inside the edge 16 of the outsole so as to be parallel with it at the edge and these edges are secured by overcasting 17, the stitches of which extend through the outsole so that with the stitches 15 the strip 14 is secured both to the insole and outsole. In this way the strip 14 is not only securely held in position, but it is exactly on the edge and projects over it so that the upper can be secured to it in a very convenient manner, but it does not form a perceptible ridge on the surface of the insole. It is shown as a soft yielding fabric which will not irritate the foot of the wearer, and which will easily receive the stitches for sewing on the upper. In addition to this all raw edges are covered by the edge 16 or by the overcasting which gives a finished appearance all around, so that the article produced is superior to those above described. It will be observed that the upwardly projecting edge 18 to which the upper is to be attached is located out beyond the edge of the rigid part of the sole so that it cannot present a hard unyielding projecting surface to the foot even if made of firm or harsh material.

In Fig. 5 a form is shown having a strip consisting of a single layer and slightly overlapping the upper edge 16 of the outsole so that its raw edge is covered by the strip in addition to being covered by the overcasting. The tubular fabric can be employed in the same way.

While we have illustrated and described a preferred embodiment of the invention we are aware that many modifications may be made therein by any person skilled in the art without departing from the scope of the invention as expressed in the claims.

Therefore we do not wish to be limited to all the details of construction shown, but

What we do claim is:—

1. As an article of manufacture, a sole for
5 a slipper having a strip secured to the sole
for the attachment of an upper, lying horizontally along the outer edge of the top of the sole and projecting upwardly beyond the outer extremity of said edge, and con-
10 stituting the only means for the attachment of the upper.

2. As an article of manufacture, a sole comprising an insole, an outsole projecting upwardly above the top thereof, and a strip
15 for the attachment of an upper lying directly on the outer edge of the insole, projecting outwardly and upwardly above said edge and secured directly on the insole, and its upwardly projecting portion overcast to
20 the inside of the upwardly projecting edge of the outsole.

3. As an article of manufacture, a sole comprising an insole, an outsole provided with upwardly projecting edges extending
25 up at and around the edges of the insole, and a strip for the attachment of an upper stitched along the edge of the insole and projecting upwardly directly over said edge inside the projecting edge of the outsole
30 and parallel therewith and overcast thereto

above the insole, whereby the raw edges of the outsole and insole are covered.

4. As an article of manufacture, a sole comprising an insole, an outsole provided with upwardly projecting edges extending 35 up around the edges of the insole, and means for the attachment of an upper secured flat along the edge of the insole and projecting up thereover inside the project- 40 ing edge of the outsole and parallel therewith and secured to the insole inside the edge thereof and to the outsole outside the edge of the insole.

5. As an article of manufacture, a sole for a slipper having a strip secured to the top of 45 the sole for the attachment of an upper, lying flat along the sole near the outer edge thereof, and projecting upwardly beyond said edge, said strip consisting of a tubular fabric suitable for the attachment of a cro- 50 cheted upper.

In testimony whereof we have hereunto set our hands, in the presence of two subscribing witnesses.

ERNEST A. BICKFORD.
WALTER A. SWEET.

Witnesses:

ALBERT E. FAY,
C. FORREST WESSON.