

No. 619,742.

Patented Feb. 21, 1899.

G. W. GITTENS.
LAMB'S WOOL SHOE SOLE.

(Application filed Aug. 1, 1898.)

(No Model.)

Fig. 1.

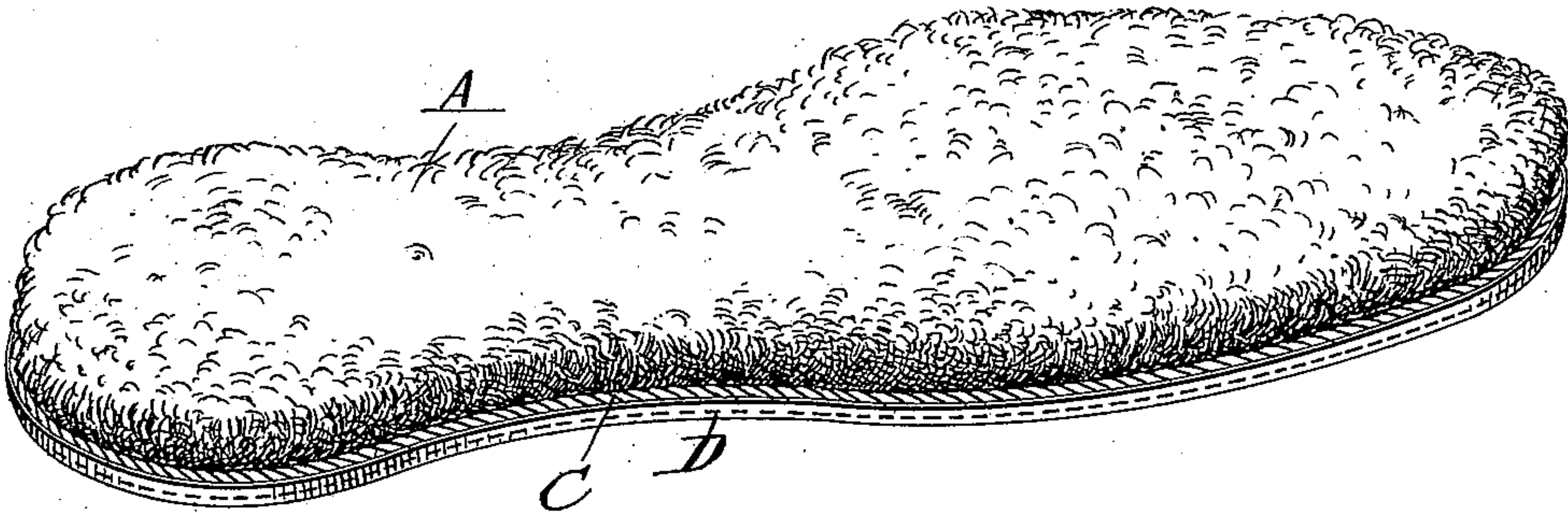


Fig. 2.

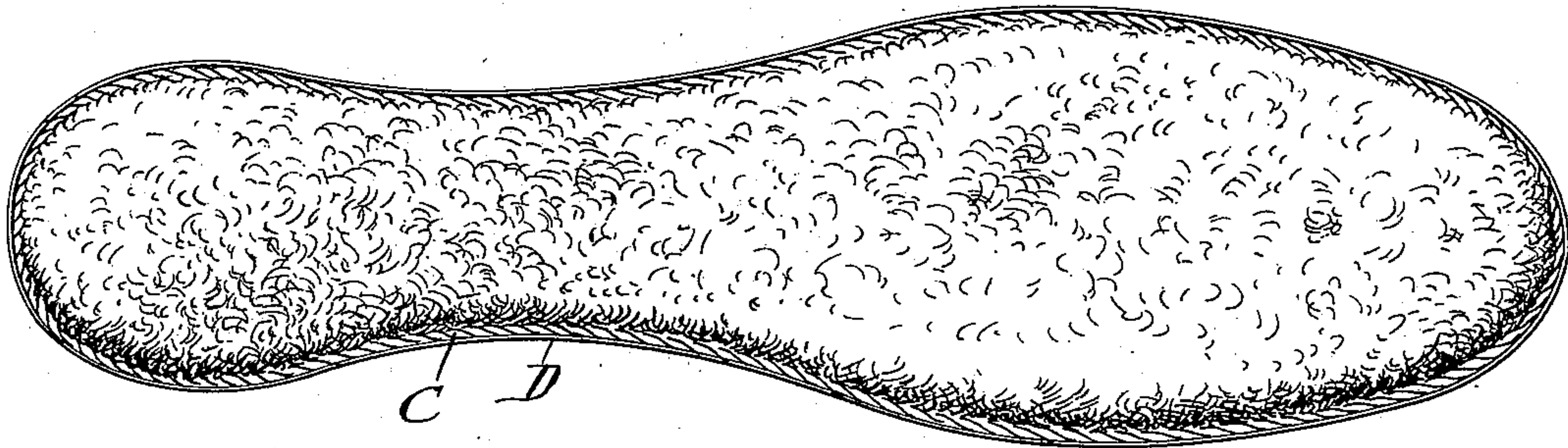
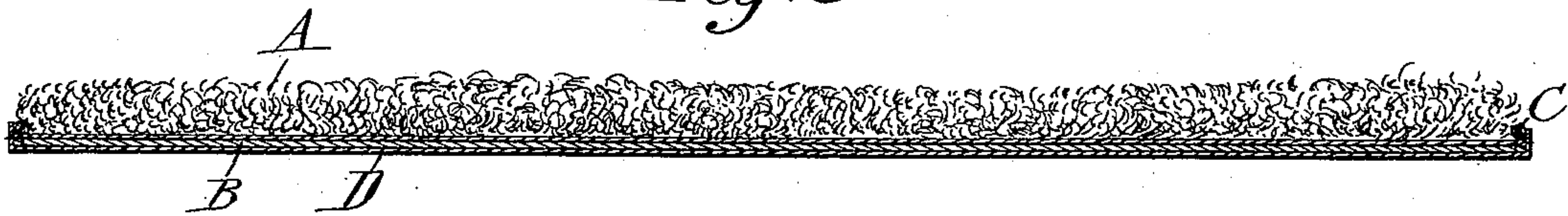


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE W. GITTENS, OF PATERSON, NEW JERSEY.

LAMB'S-WOOL SHOE-SOLE.

SPECIFICATION forming part of Letters Patent No. 619,742, dated February 21, 1899.

Application filed August 1, 1898. Serial No. 687,462. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. GITTENS, a citizen of the United States, residing at Paterson, in the county of Passaic and State of New Jersey, have invented certain new and useful Improvements in Lamb's-Wool Shoe-Soles; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The object of my invention is to provide a lamb's-wool sole for shoes and slippers that will be strong, durable, and neat, the parts comprising the same being united in such a manner that the sole will have a smooth square edge all around.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter set forth, and pointed out in the claims.

In the accompanying drawings, which form a part of this specification, similar letters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the improved sole. Fig. 2 is a top or plan view thereof, and Fig. 3 is a transverse section through the sole.

The sole consists of the lamb's wool A, the fiber-board interlining B, the twisted cord C, and the lower leather covering D, all properly cut, shaped, and joined together, as shown and hereinafter fully described.

The interlining B is preferably made of fiber or pulp board; but it may be made from other suitable material.

The lower covering D is generally made of leather; but other suitable material may be used without departing from the spirit of my invention.

The sole is constructed as follows: The lamb's-wool interlining and lower covering are cut the required size and shape. The lamb's wool is then secured onto the interlining in any suitable manner, preferably by some adhesive substance. The twisted cord is then laid on the lamb's wool, adjacent to the edge thereof, and is secured thereon by

stitches which are passed vertically through the cord, lamb's wool, and interlining. The lower covering is then secured by cement or other suitable means to the bottom of the interlining. The lower covering is cut a little larger than the superimposed layers of interlining and lamb's wool, so as to admit of its being turned upward to form a sort of flange, the upturned edge of which will be on a level with the top surface of the twisted cord. The lower covering is then secured to the twisted cord by stitches which are passed horizontally through the flange or upturned portion and the twisted cord. The vertical and horizontal stitches serve to brace the combined parts and give to the sole an even, square, and smooth edge all around. To secure the upper to the sole thus formed, the upper is turned inside out and its lower edge is secured to the twisted cord and then reversed, the result being a shoe neat, simple in construction, cheap, and durable. I thus obviate the disadvantages of having the threads or stitches exposed to wearing-surfaces by stitching horizontally through the side of the upturned portion of the lower covering and from side to side of the twisted cord. For this lateral stitching I have had constructed a special machine. No stitches go over or around the edge of the lower covering, and my twisted cord is rigidly held in position with the upturned portion of the lower covering by the combined lateral and horizontal stitching or threads.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A lamb's-wool shoe-sole having its bottom section provided all around with an upturned flange portion adapted to receive the other sections inside thereof, in combination with the upper or wool section, the interlining of pulp or fiber board and a twisted cord or its equivalent, vertical securing-threads binding the same to the upper sections of sole, upper sections of sole adapted to fit or set into the lower section and threads passing horizontally through said upturned portion of the lower section and the said twisted cord or its equivalent, all substantially as shown and described.

2. A lamb's-wool shoe-sole consisting of three sections an upper, a middle and a lower, a twisted cord on upper section secured adja-

cent to the edge thereof by threads passed vertically through the upper and middle sections in combination with an upturned or flanged portion of the lower section and threads
5 passed horizontally through said flanged portion and twisted cord on the upper section, substantially as shown and described.

3. The twisted cord, the upper and middle sections, a twisted cord secured on, and adjacent to the edge of, the upper section, in combination with the lower section provided with

an upturned portion, to cover the edges of the upper and middle sections and the outer edge of cord secured thereon, and threads passed horizontally through said upturned portion
15 and said cord, substantially as shown.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE W. GITTENS.

Witnesses:

JOHN F. KERR,
I. F. BOICE.