

H. W. COOK.  
HEEL FOR BOOTS AND SHOES.  
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976,552.

Patented Nov. 22, 1910.

Fig. 1.

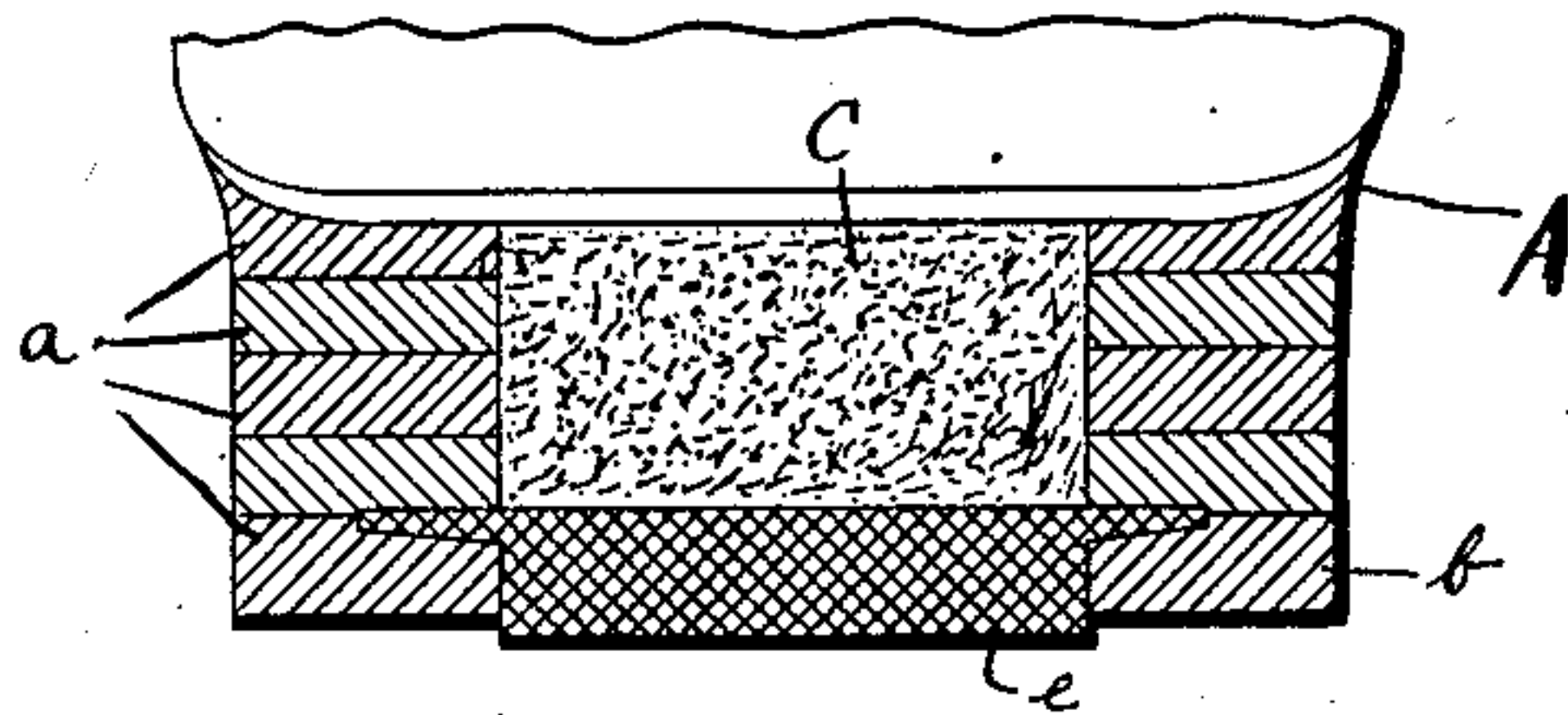


Fig. 2.

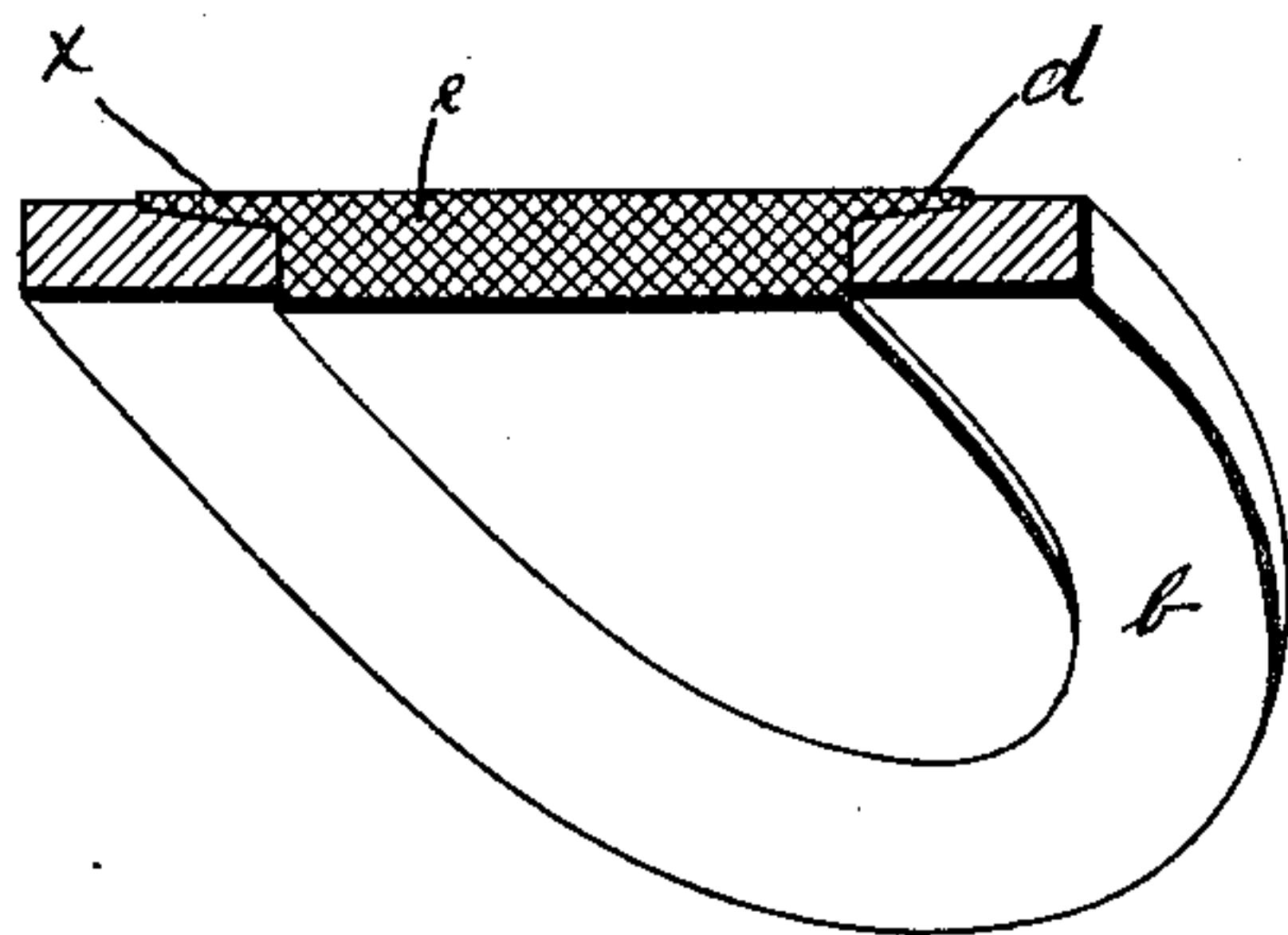
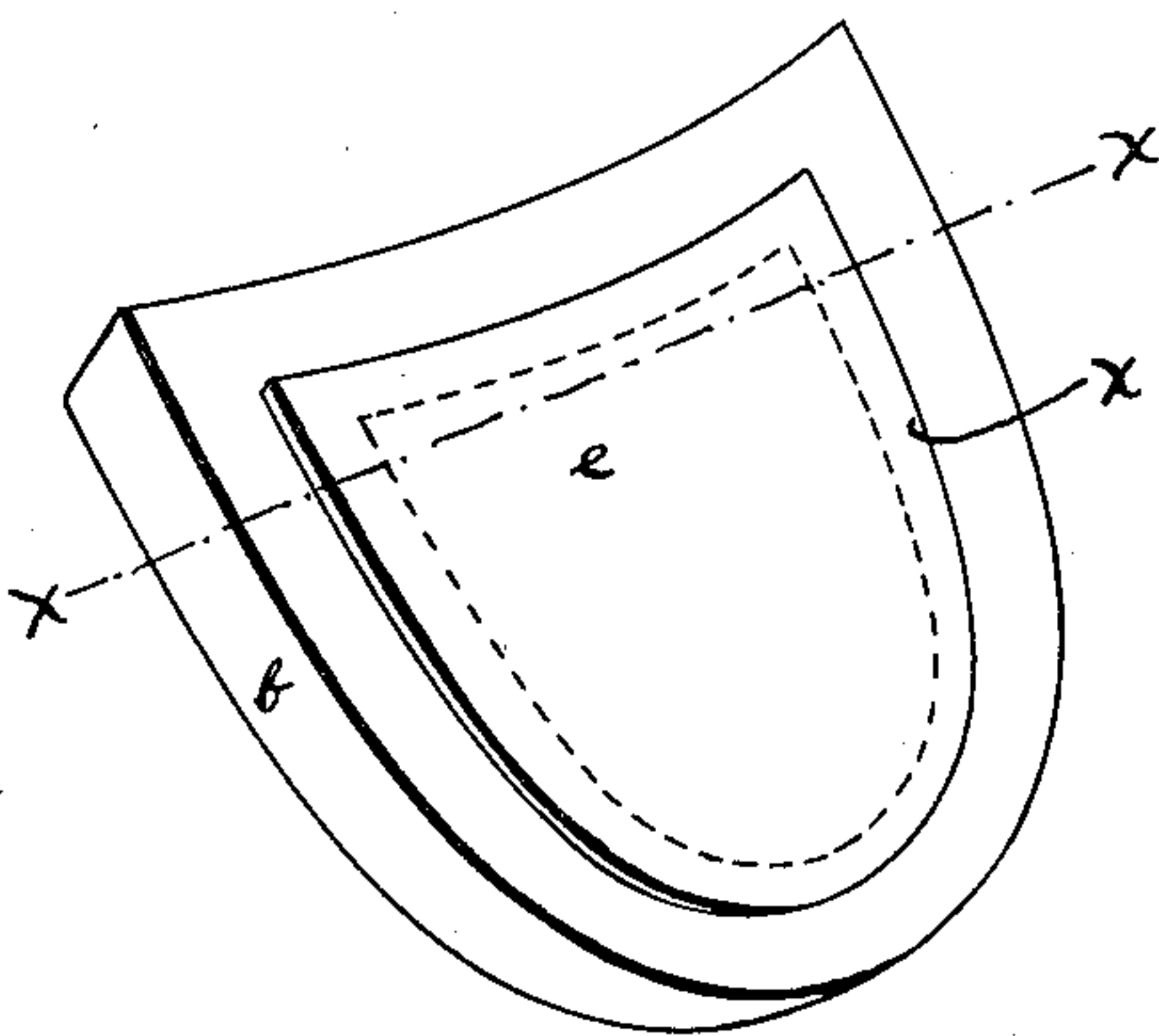


Fig. 3.



Witnesses:  
R. W. Bailey.  
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# UNITED STATES PATENT OFFICE.

HENRY W. COOK, OF SYRACUSE, NEW YORK.

HEEL FOR BOOTS AND SHOES.

976,552.

Specification of Letters Patent.

Patented Nov. 22, 1910.

Application filed July 12, 1910. Serial No. 571,560.

*To all whom it may concern:*

Be it known that I, HENRY W. COOK, of No. 304 Walnut Place, Syracuse, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Heels for Boots and Shoes, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

10 This invention relates to improvements in heels for boots and shoes, and particularly to the class known as "rubber heels," as a new article of manufacture.

15 It has been heretofore purposed to construct what is known as rubber heels in various forms and devices, but for the most part they seem to be impracticable for the real purposes in hand.

20 My object, therefore, is to produce a rubber heel, or the layer of the heel particularly which comes in contact with the ground as a new article of manufacture and one which may be readily placed upon the boot or shoe with the least expense and which shall be 25 durable and of great utility.

30 My further object is to produce a rubber heel which shall have a cushion effect and ease the foot of the wearer when in use, and to that end my invention consists in the several new and novel features of construction and operation which are hereinafter described and fully set forth in the claim hereunto annexed. It is constructed as follows, reference being had to the accompanying 35 drawings, in which—

40 Figure 1 shown is a vertical cross section through the heel. Fig. 2 shows a cross section on line *x x* Fig. 3. Fig. 3 is a view of the bottom of the outer layer containing the rubber insert.

Similar letters of reference indicate corresponding parts throughout all of the figures.

45 —A— is the heel of a boot or shoe and is made up of layers —a— recessed in the center for the purposes hereinafter specified, and the outer layer —b— which is likewise recessed for the purposes hereinafter specified. Within the recesses formed in the layers —a— I insert a cork filling —c—. The 50 layer —b— has not only its central portion recessed, but the upper face thereof which comes in contact with the layers —a— may be slightly recessed at its inner edge as shown at —d— and —e— is a piece of rub-

ber formed to fit snugly the central recess in 55 the layer —b— and having laterally extending flanges adapted to rest upon the inner portion of the layer —b— and rest within the recess —d—, so that when the layer —b— and its accompanying rubber portion 60 is tacked to the remaining portion of the heel it will take the position shown in Fig. 1. The rubber portion —e—, also extends below the lower face of the leather portion —b— and is likewise shown in Fig. 1, so 65 that when the heel is completed we shall have a heel made up of layers of leather, the central portion of the layers adjacent to the body of the shoe having cork inserts, and the outer layer having a rubber insert extend- 70 ing slightly below the lower surface of the exposed layer of the heel. The particular object of this form of construction is to allow the rubber to recede slightly when weight is placed upon it, thereby breaking 75 the weight of the step, the rubber as it recedes compressing the cork insert —c—.

It will then be seen that I have not only produced a heel which, by virtue of the fact that the rubber is allowed to recede, breaks 80 the weight of the step, but also reduces the wear upon the rubber to a minimum and also reduces the weight of the heel. It will also be observed that when the lower layer is finally worn away so as to become un- 85 sightly, or when, for any other reason, the heel needs to be reheeled, a new outer layer, such as shown and contemplated in Fig. 2, may be readily tacked thereon after removing the old layer. 90

Having described my invention, what I claim is:

A heel comprising a layer having a central recess, and cork or similar material inserted therein, and an outer layer having a cen- 95 tral recess and a second recess in the upper inner edge of the outer layer, and a rubber insert extending slightly below the lower face of said layer, said rubber having a flange resting within the second recess of 100 said outer layer.

In witness whereof I have hereunto set my hand this 30th day of June 1910.

HENRY W. COOK.

Witnesses:

H. E. CHASE,

PERSIS PHYLLIS PARKS.