

(No Model.)

J. F. WARNER.
HEEL FOR BOOTS OR SHOES.

No. 594,108.

Patented Nov. 23, 1897.

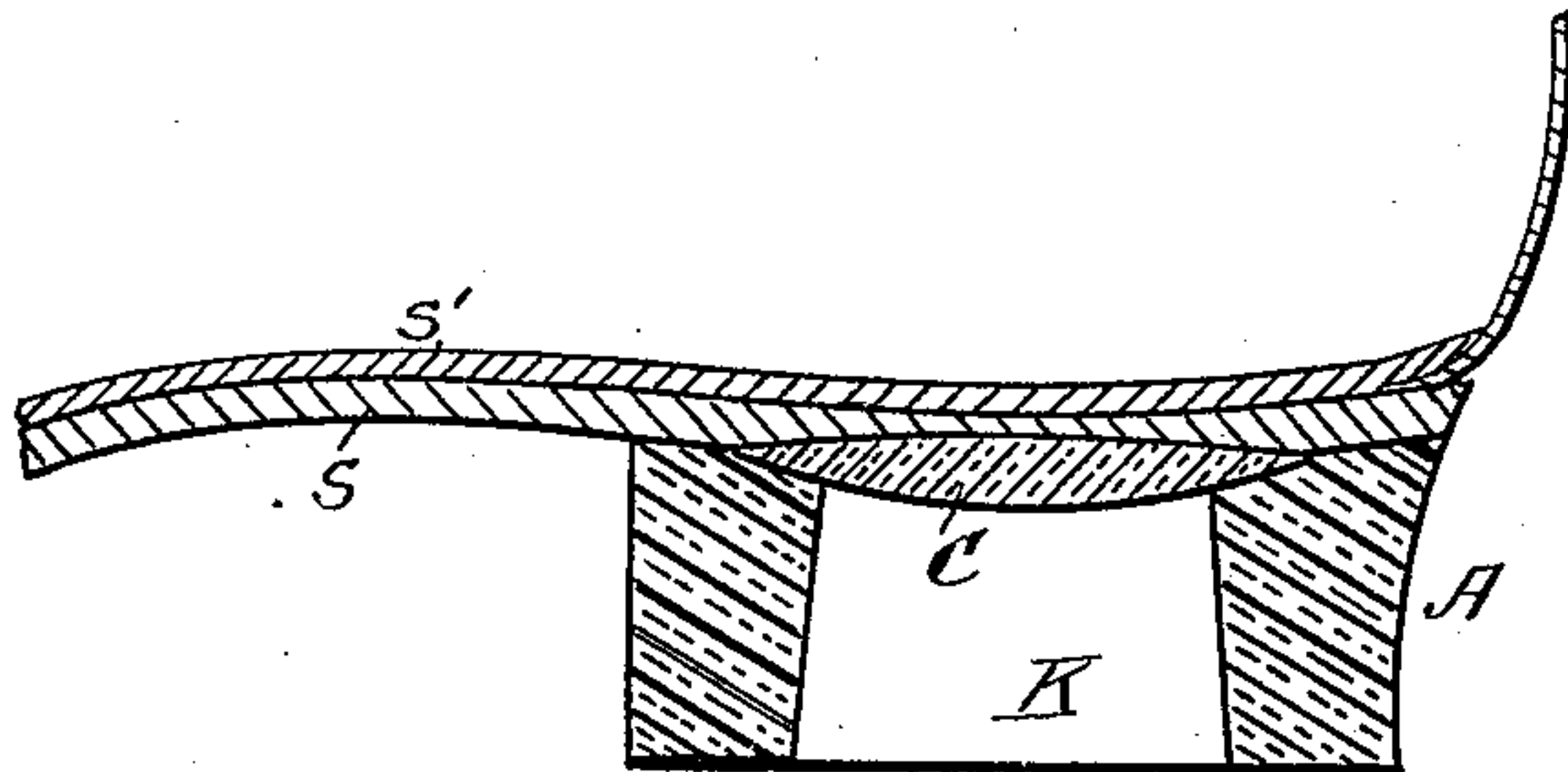


Fig. 1.

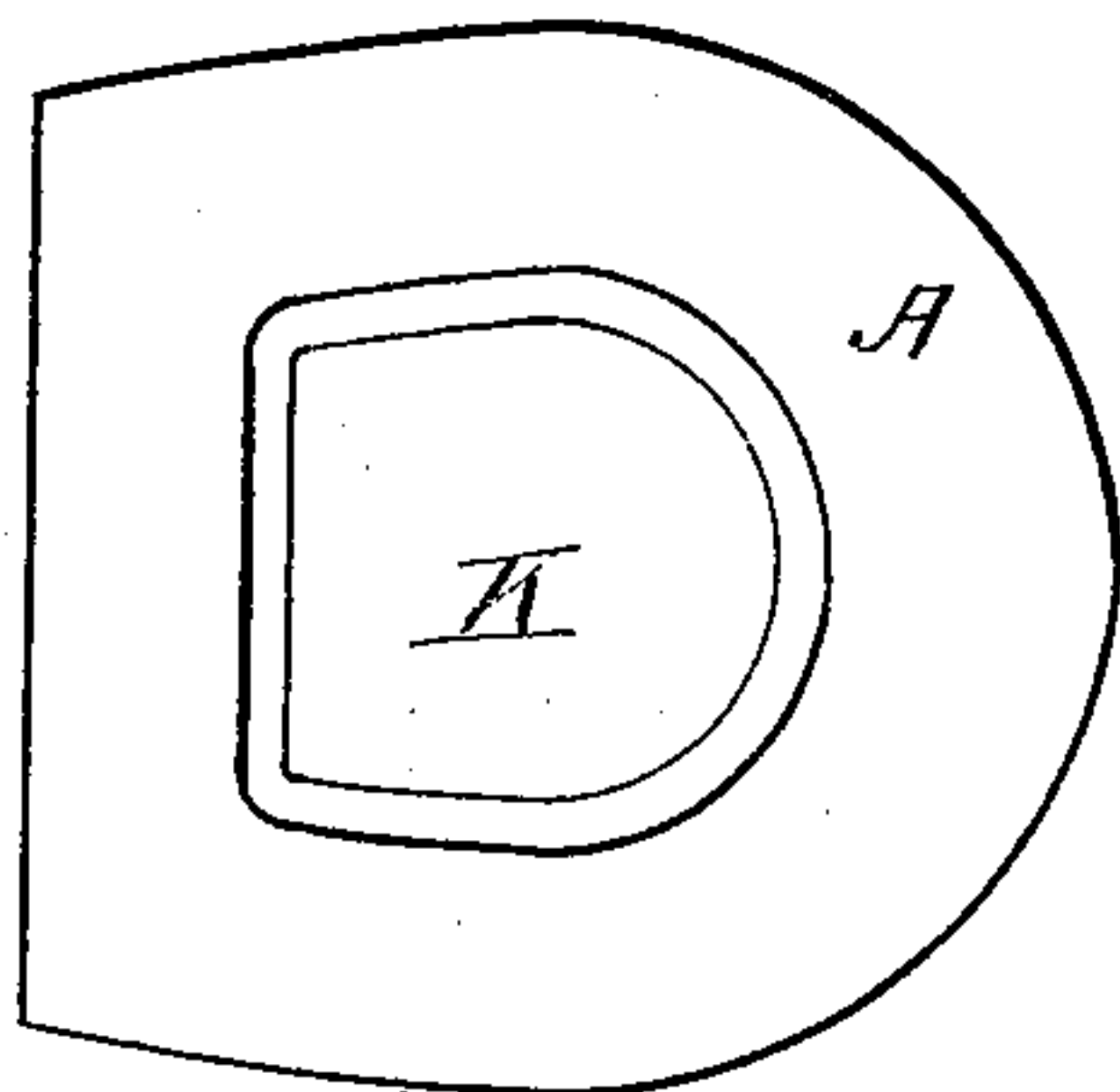


Fig. 2.

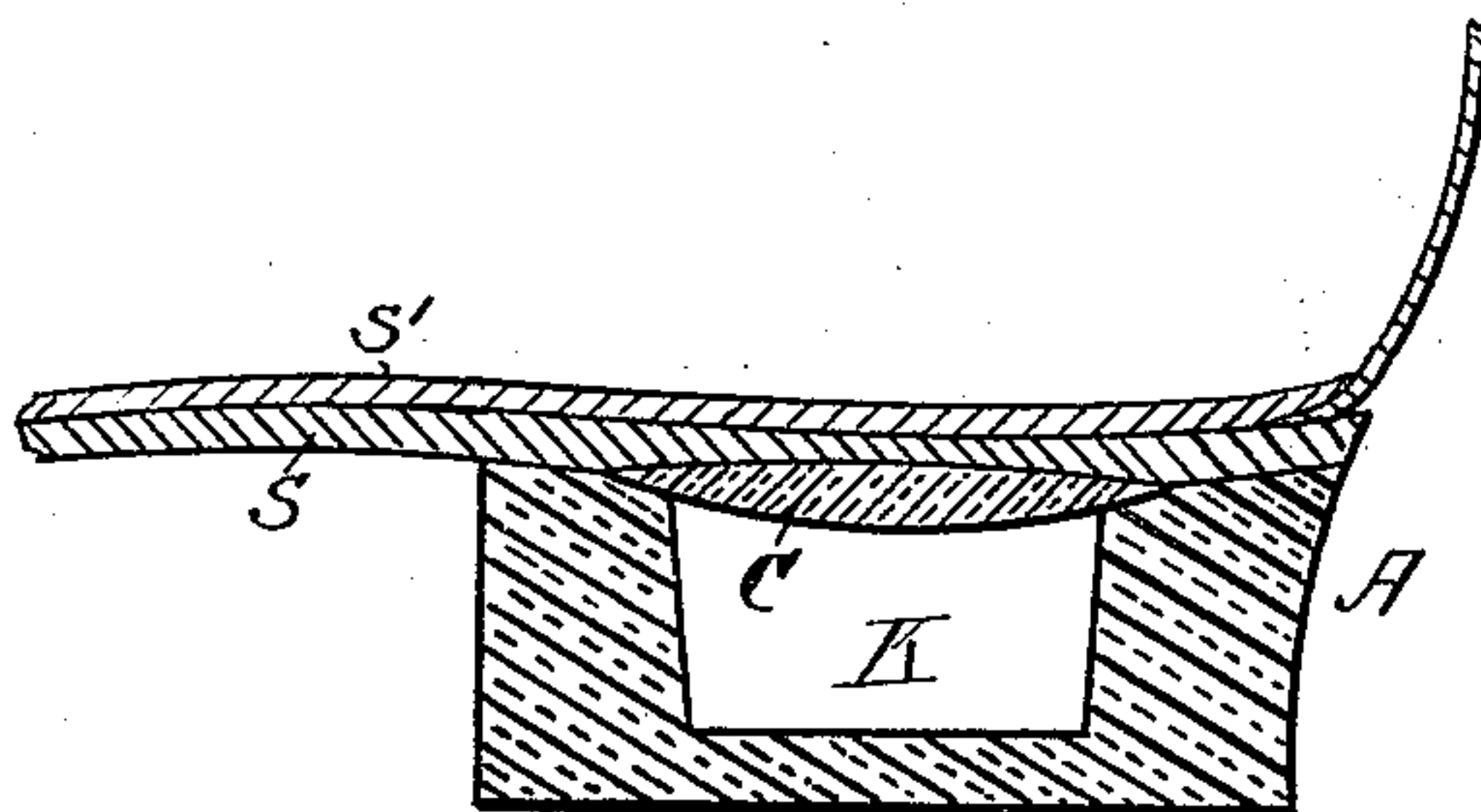


Fig. 3.

WITNESSES

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JOHN F. WARNER, OF BOSTON, MASSACHUSETTS.

HEEL FOR BOOTS OR SHOES.

SPECIFICATION forming part of Letters Patent No. 594,108, dated November 23, 1897.

Application filed April 27, 1897. Serial No. 634,163. (No model.)

To all whom it may concern:

Be it known that I, JOHN F. WARNER, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Heels for Boots or Shoes, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention relates to the construction of heels for boots or shoes; and it consists in so making a heel that it shall present to the foot of the wearer a firm yet yielding cushion-like bearing.

The objects are to produce a cheap and durable heel which shall always afford a cushion-like resting-place for the foot of the user and also be light and of the usual form and size. These objects I attain by means of the construction shown in the accompanying drawings, in which—

Figure 1 is a longitudinal vertical section showing a heel and parts of the soles and upper. Fig. 2 is a plan of a heel of my construction. Fig. 3 is a longitudinal vertical section showing a modified form of construction of my heel.

In the drawings I have represented the body part of the heel by A. This part may be made of rubber of any desired degree of hardness and elasticity, or it may be made of different materials, as leather, wood, or combinations of materials. The hole or recess K may be of any desired shape and size and may extend entirely through the body part of the heel, as shown in Figs. 1 and 2, or it can be made as shown in Fig. 3. In this case the lower tread

of the heel is complete and smooth like an ordinary leather heel. In case the heel is made wholly or in part of leather the form shown in Fig. 3 would be, perhaps, preferable.

The soles S and S' are of ordinary material and arrangement. The same may be said of the upper and other parts of the shoe.

The cushion proper C is made of any desirable shape and size and cemented or otherwise attached to the body part of the heel. This cushion is made of a firm elastic material like rubber or gutta-percha or compounds of the same or of any other suitable material.

The upper sole S is cut away, as shown in Fig. 1, so that the pad C may receive the pressure and impact of the heel of the person wearing the shoe. The edges of pad are supported by the heel A, while the center part is unsupported and free to form an elastic cushion.

I claim—

In a boot or shoe, a yielding heel-pad, placed under the inner sole in a recess formed in the outer sole and supported by a recessed heel, whereby the heel of the person using the same impinges upon a cushioned bearing substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 23d day of April, A. D. 1897.

JOHN F. WARNER.

Witnesses:

FRANK G. PARKER,
FRANK G. HATTIE.