

No. 898,120.

PATENTED SEPT. 8, 1908.

L. W. LITCH.

COMBINATION HEIGHT INCREASER, HEEL CUSHION, AND
STOCKING PROTECTOR.

APPLICATION FILED OCT. 27, 1905.

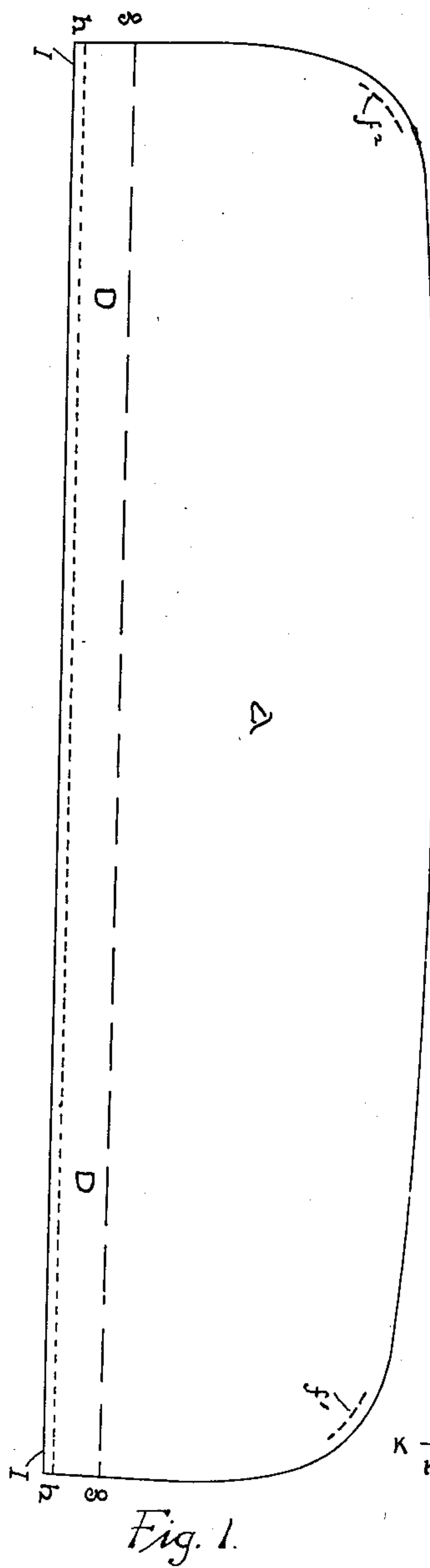


Fig. 1.

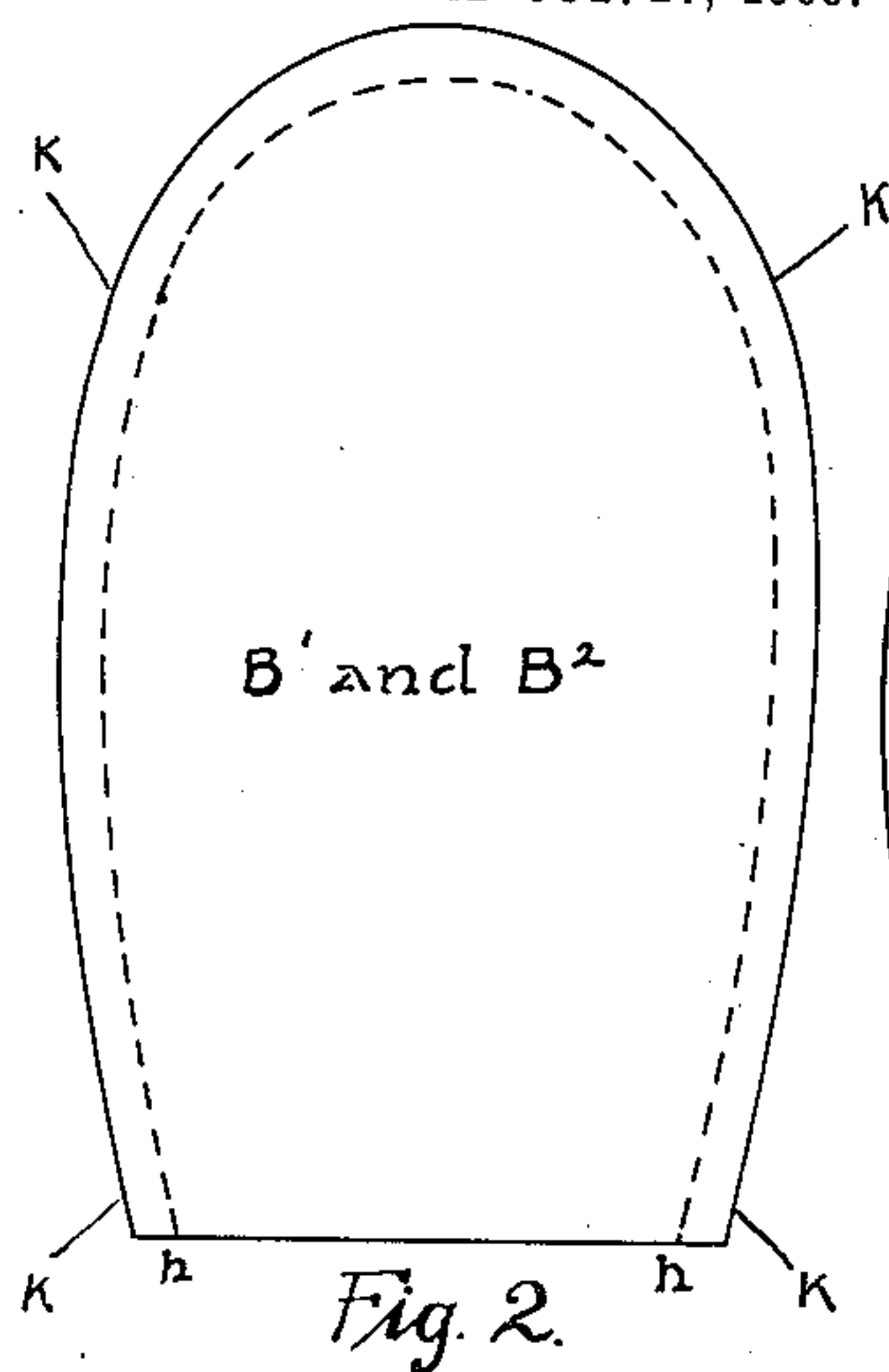


Fig. 2.

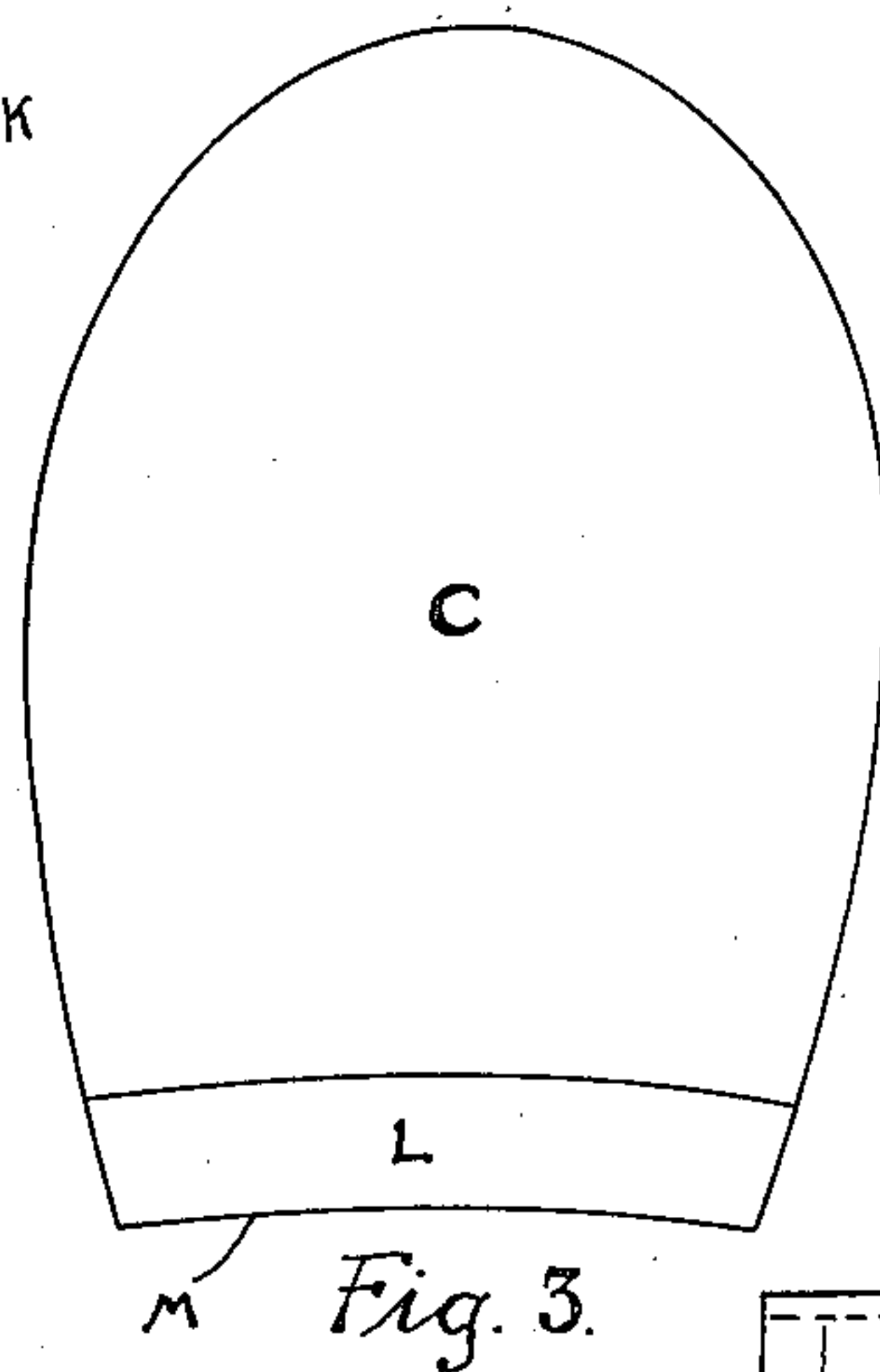


Fig. 3.

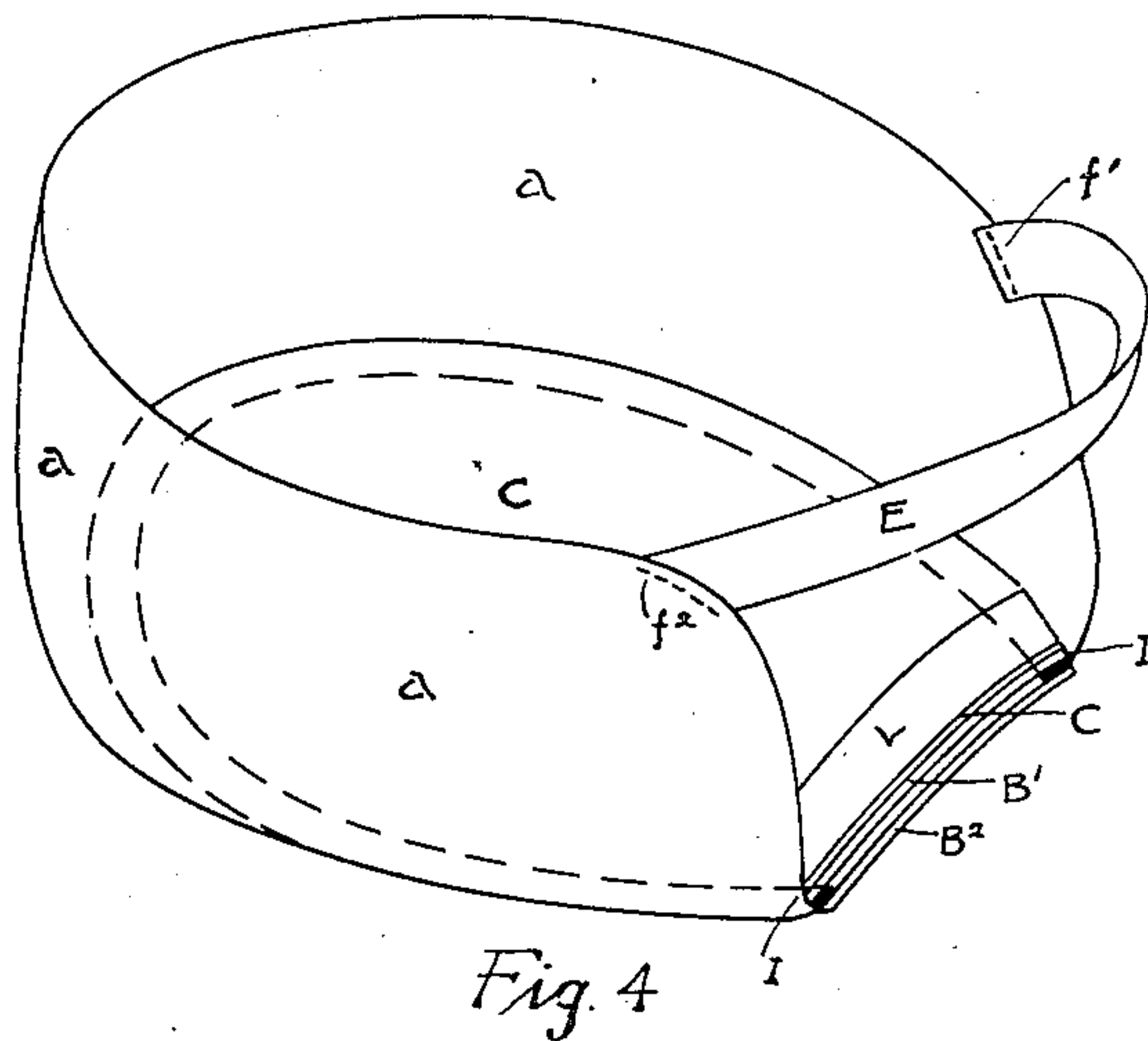


Fig. 4.

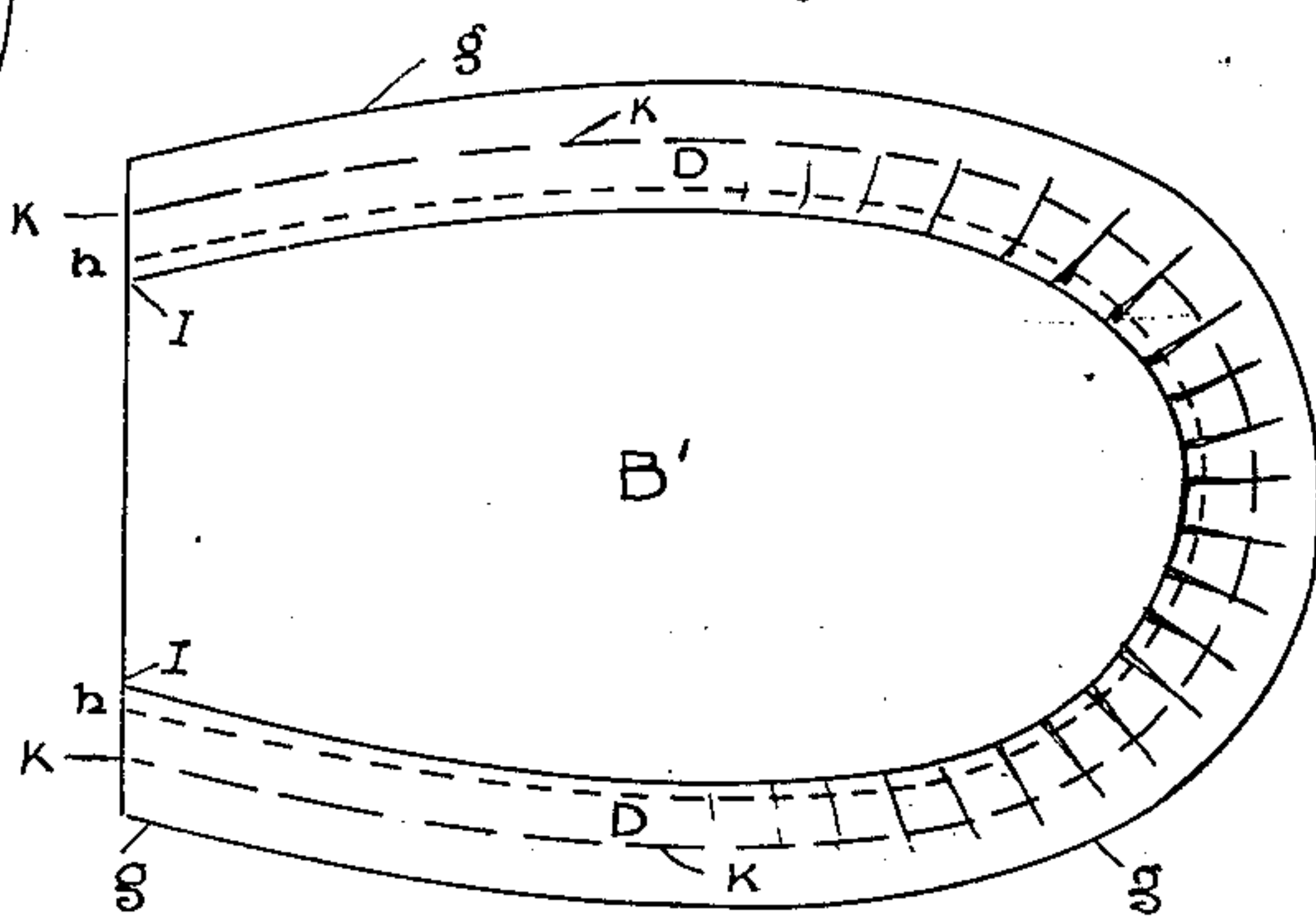
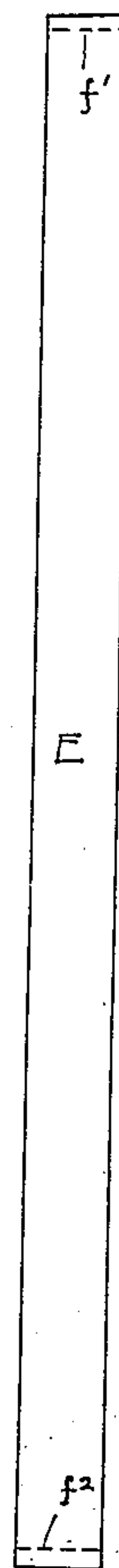


Fig. 5.

Fig. 6.



Witnesses

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LEMUEL WARREN LITCH, OF LYNN, MASSACHUSETTS.

COMBINATION HEIGHT-INCREASER, HEEL-CUSHION, AND STOCKING-PROTECTOR.

No. 898,120.

Specification of Letters Patent.

Patented Sept. 8, 1908.

Application filed October 27, 1905. Serial No. 284,622.

To all whom it may concern:

Be it known that I, LEMUEL WARREN LITCH, a citizen of the United States, residing at Lynn, in the county of Essex and Commonwealth of Massachusetts, have invented new and useful improvements in a combination height-increaser, heel-cushion, and stocking-protector, and in the manner and process of making and constructing the same, of which the following is a specification, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification, in explaining its nature.

The objects of my invention are first, to provide in one appliance a substantial height increaser, together with a cushion for the heel, and a protection for the stocking, second, to provide an improved and economical manner and process of making the same, and third, to secure other advantages and results, some of which may be referred to hereinafter in connection with the description of the various parts.

The invention consists of the arrangement and combination of the parts of, and in an improved and economical manner and process of making and constructing, a combination height increaser, heel cushion and stocking protector, all substantially as well as hereinafter set forth, and finally embraced in the clauses of the claims.

Referring to the accompanying drawings, in which like letters of reference indicate corresponding parts in each of the several figures, Figure 1 is the top portion of my appliance, Fig. 2 shows the bottom portion, Fig. 3 is the heel cushion, Fig. 4 shows all the parts assembled, Fig. 5 shows a bottom view of my appliance, Fig. 6 shows the ankle portion.

Fig. 1 represents the plan of the main or body portion of my appliance, laid flat as it is cut from the material of which it is made, said material being calf skin, sheep skin, chamois or any other suitable substance or fabric. The said main or body portion as shown in Fig. 1 is made in one piece and is cut just high enough to enable my appliance when finished to be worn with low shoes without showing. The dotted lines $h-h$, f and f represent machine stitching, the dash line $g-g$ represents an edge formed by the molding and turning over of the portion "D", both as hereinafter described.

Fig. 2, represents the bottom or sole portion of my appliance. There are two of

these and they differ only in that one is skived down at the edges so as to lie flat against the surface of "A" (Fig. 1) giving a finished effect to the appliance and acting as the outer sole, while the other is not so skived and acts as the inner sole, both as hereinafter designated. The dotted lines " $h-h$ " here again represent the same stitching as " $h-h$ " in Fig. 1.

Fig. 3, represents the cushion portion of my appliance which is made of heavy felt, cork, rubber or any other suitable material. "L" represents a gradual skiving down to a thin edge at "M" so as to insure comfort to the foot. The said cushion portion, is made in any desired thickness and may be sewed in position, but is generally held in place by a strong adhesive cement. The skiving "L" varies of course according to the thickness of the cushion portion.

Fig. 4 is a perspective view of my appliance showing all the parts in position.

Fig. 5 is a bottom view of my appliance showing how the portion "D" is molded and turned onto the innersole portion. The dash lines "K" represent the limits of the outer sole portion when it is in position. The said outersole portion may be made of a different color material than "A" (Fig. 1) in order to give a contrast and a desired finished effect.

Fig. 6 represents a piece of elastic webbing intended to go over the ankle and thus hold my appliance in position. It is shown in position on Fig. 4 by "E"; $f-f$ represent the stitching by which "E" is fastened to my appliance.

The objects of my invention, as afore said, I attain by a combination of the component parts as illustrated in said accompanying drawing, after first, by a particular manner and method, putting the portion indicated in said drawing by Fig. 1, through a certain process of molding, and turning the flange "D" onto a piece of similar material, Fig. 2, shaped in outline like the heel of the human foot. At the same time this molding and turning is accomplished, the portion turned, "D", is gummed, stuck and pressed into position onto the inner heel shaped piece. See Fig. 5. The outersole portion is then placed in position and all three are stitched through as indicated by the dotted lines " $h-h$ ", Fig. 5. My cushion portion "C" and portion "E" are then fastened in position as afore said and as shown in Fig. 4.

My said appliance is made in various sizes

according to the size of the heel upon which it is intended to be worn.

It will be noted that one of the important advantages of my device is that it is not a permanent part of a shoe, but is removable, at will, from a shoe with which it is used. It thus constitutes an article of manufacture separate and distinct from a shoe. A shoe-dealer may thus keep in stock a great number of my devices and sell them separate from shoes. For the life of an ordinary shoe, a person using my device will probably need more than one device, and he is thus enabled to replace a worn device by an entirely new one, at pleasure; or to wear one of the devices of my invention with a shoe when he chooses, and dispense with the use thereof when he likes.

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

As a new article of manufacture, a com-

bined stocking-protector, height-increaser and heel-cushion, comprising a stocking-protector strip of suitable soft material molded to the contour of a human foot, and disposed in an upright position, the lower edge of said protector-strip being bent inward at an angle to form a flange, a substantially horizontal outer-sole portion disposed on the bottom of said flange, a substantially horizontal inner-sole portion disposed on the top of said flange, means for securing the sole-members to the flange, and a cushion-member disposed on said inner-sole portion.

In testimony that I claim the foregoing I have hereunto set my hand this twenty-fifth day of October A. D. 1905 in the presence of two subscribing witnesses.

LEMUEL WARREN LITCH.

Witnesses:

E. M. SMERLING,
E. B. PIKE, Jr.