

J. C. IVORY.
 SPRING HEEL SHOE.
 APPLICATION FILED MAY 18, 1909.

929,136.

Patented July 27, 1909.

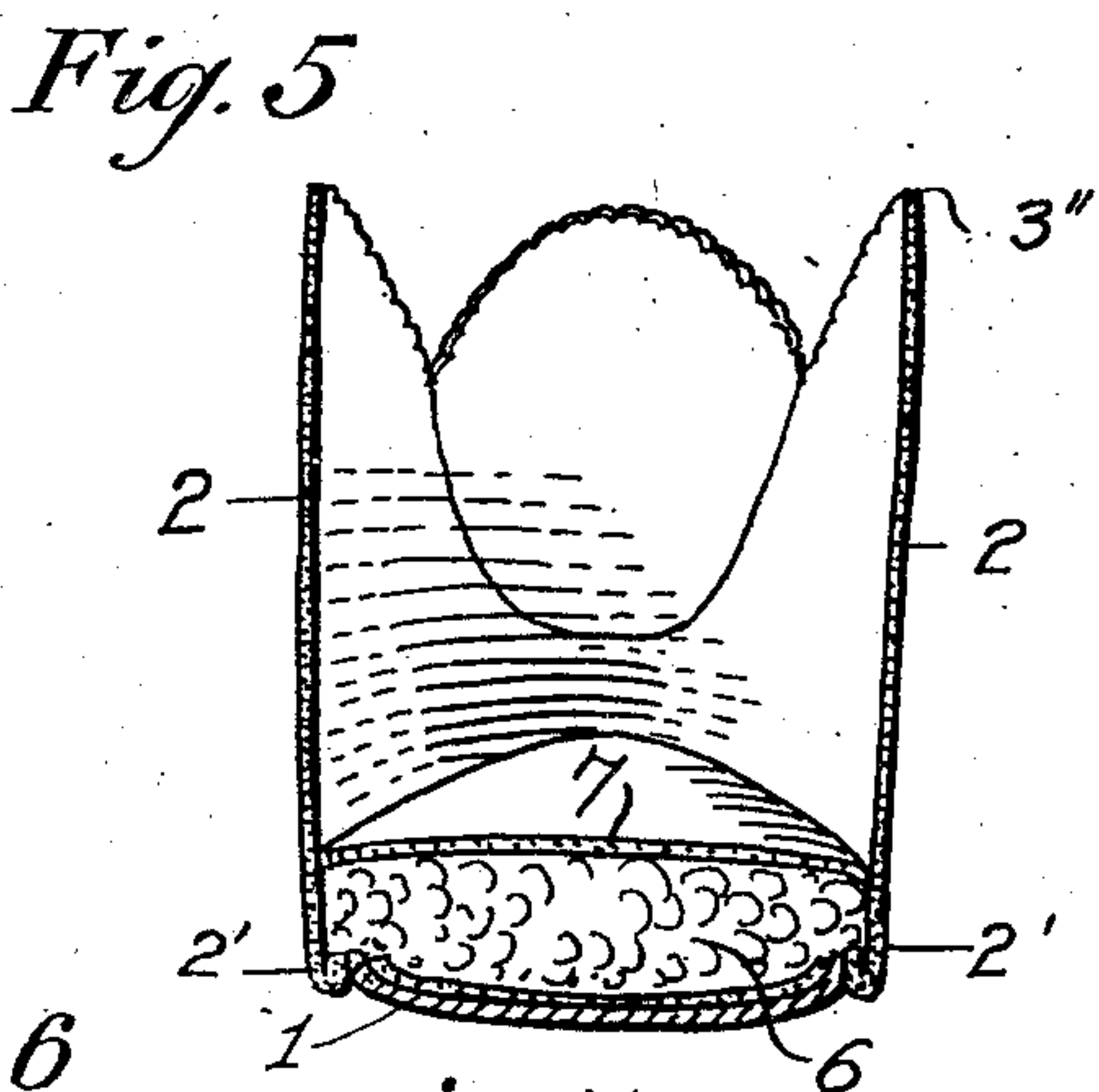
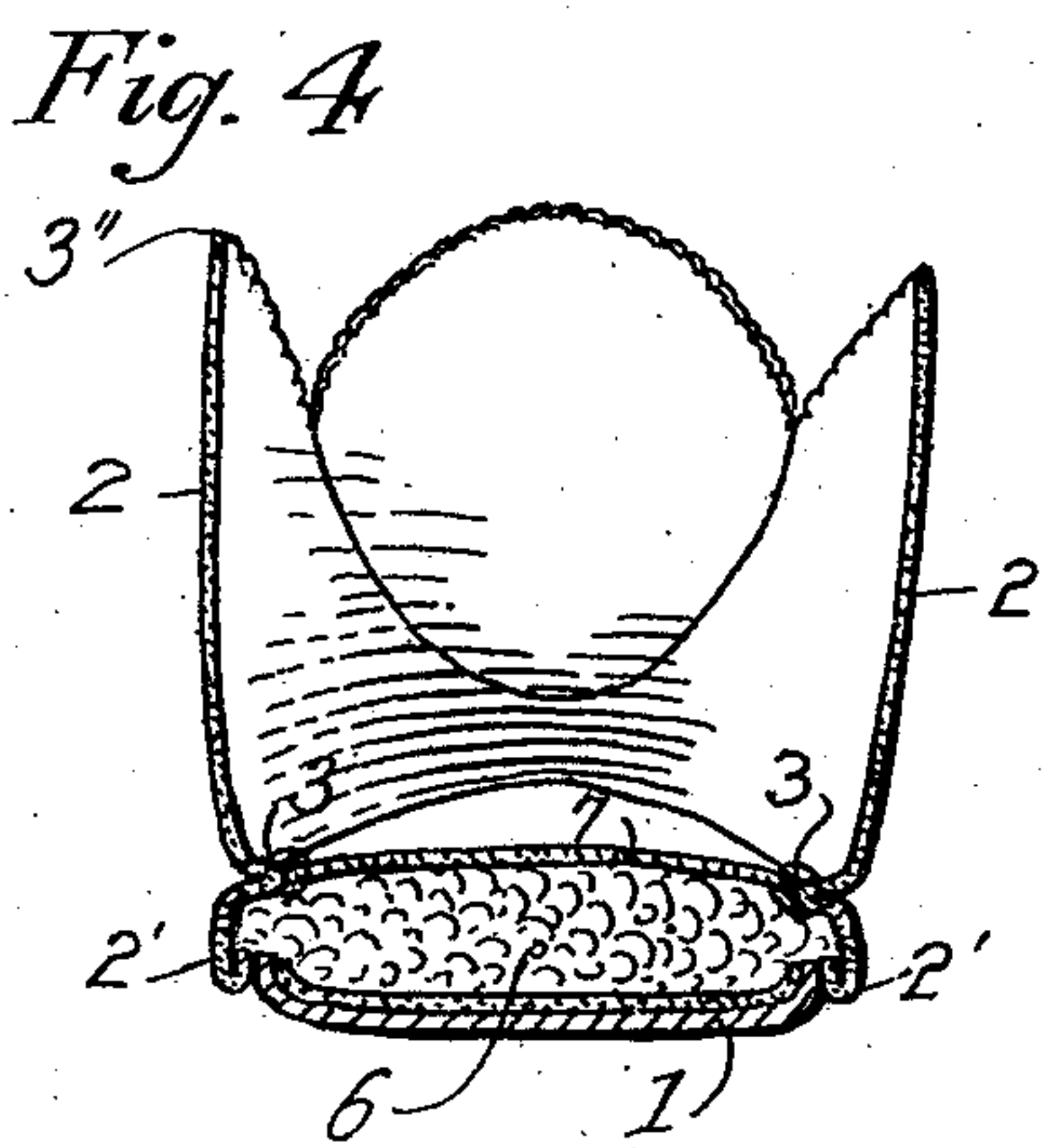
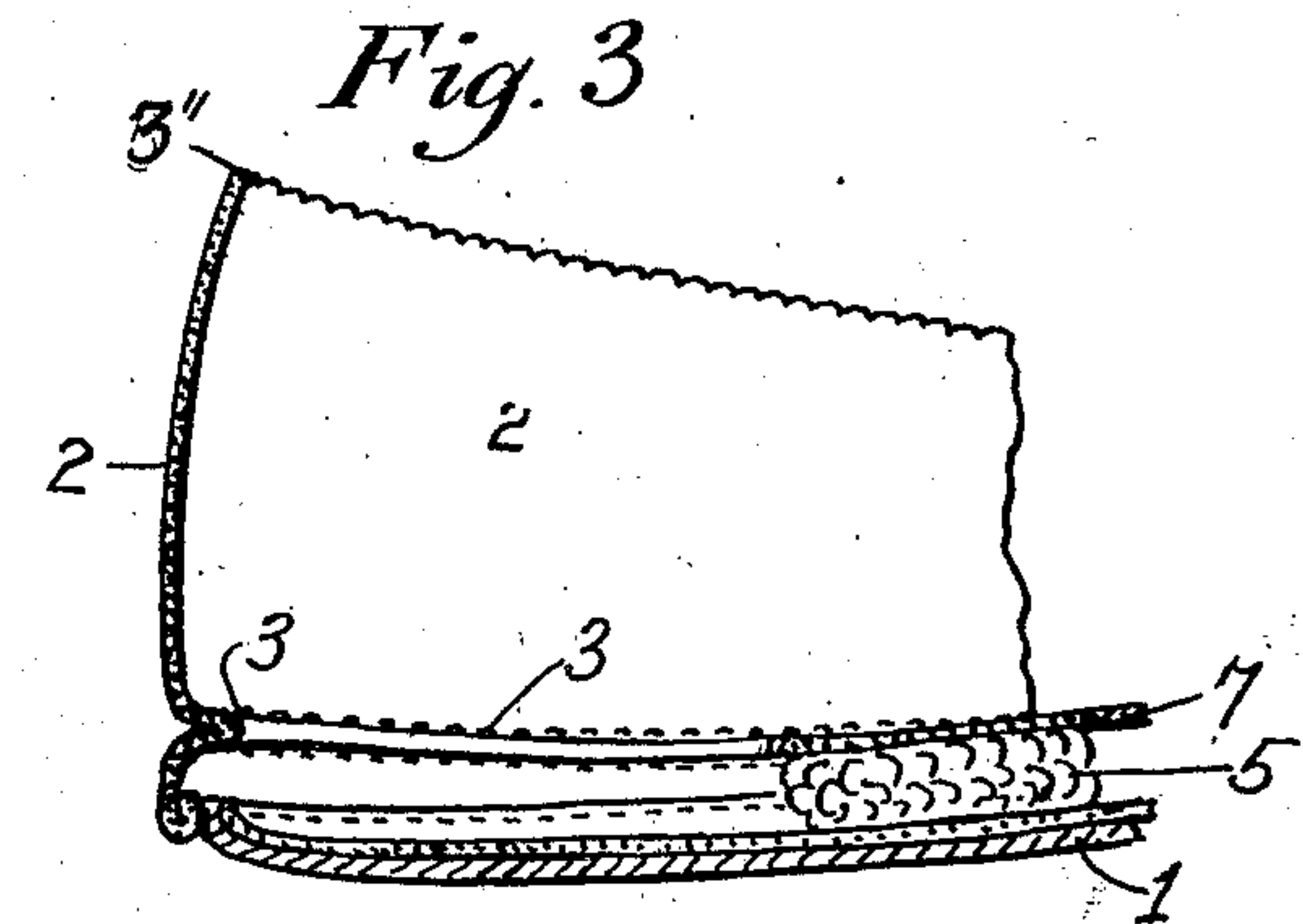
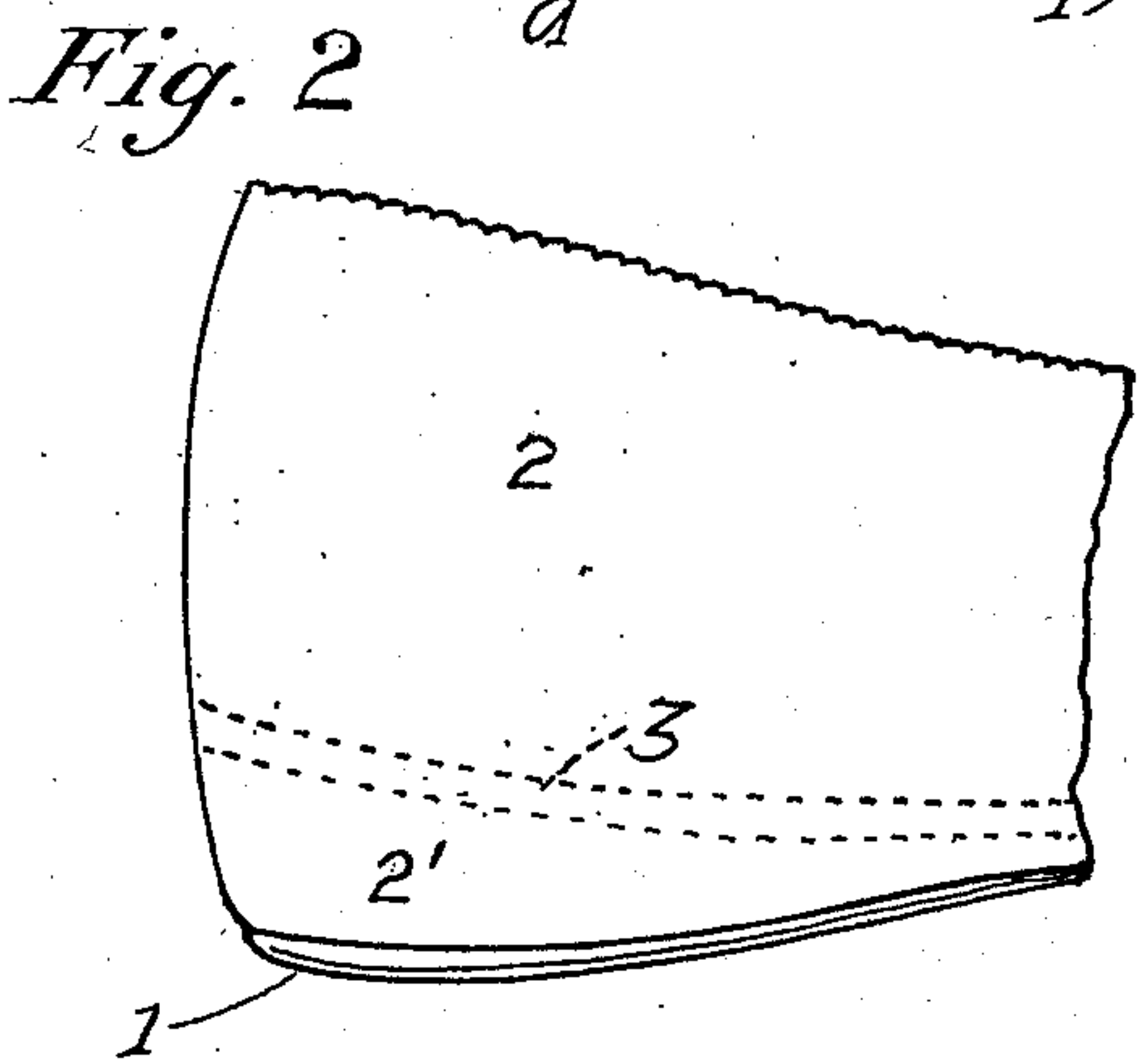
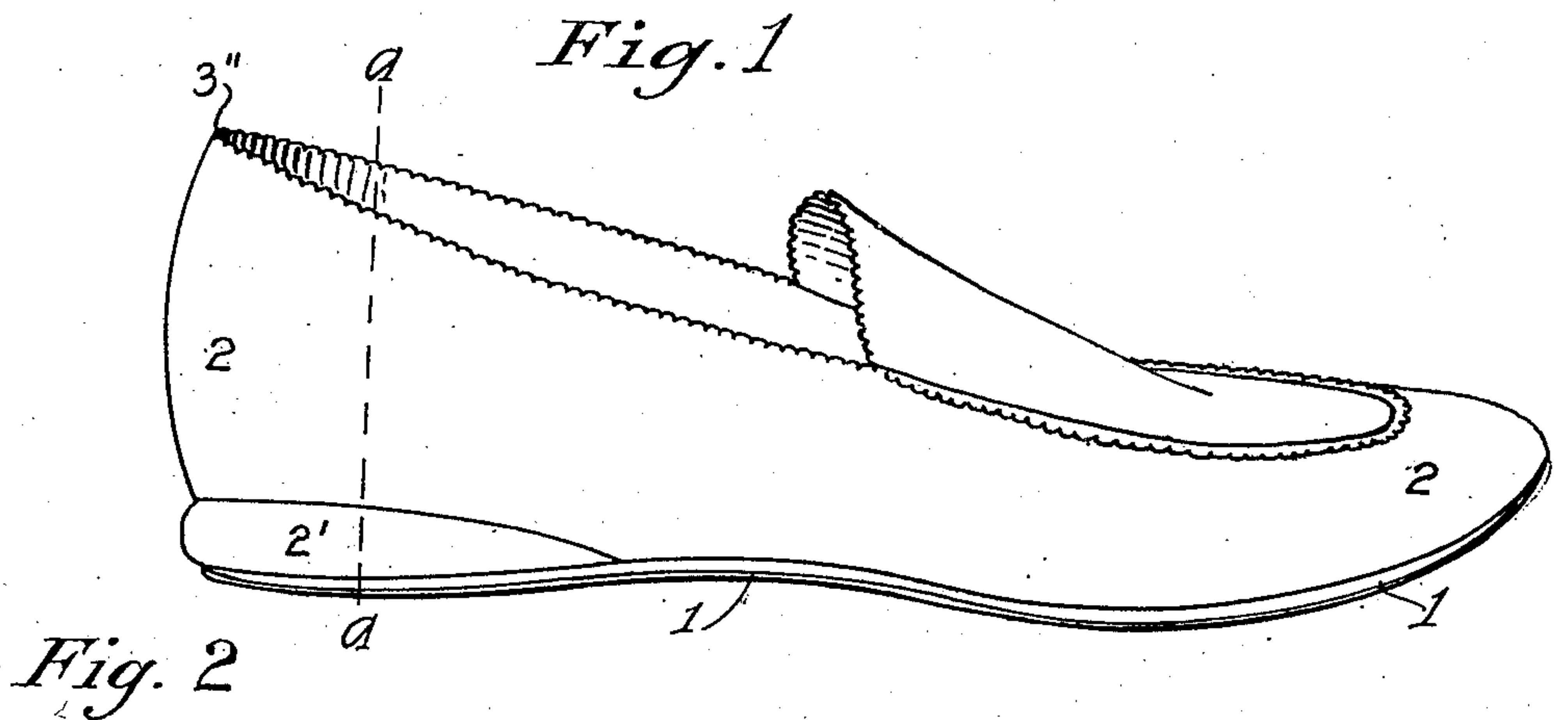
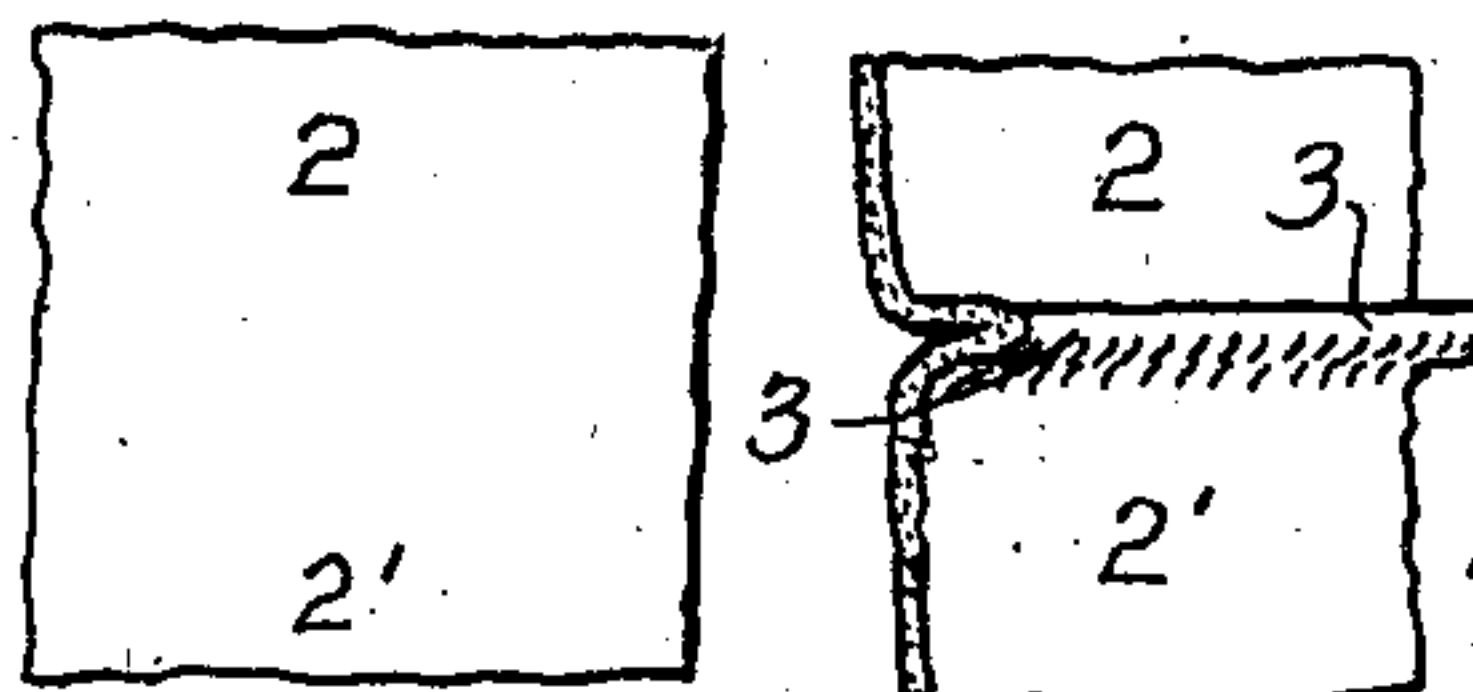


Fig. 6

Fig. 7

Witnesses
 B. W. Pierce
 M. Ida Pierce



Inventor
 John C. Ivory
 by James V. Rogers
 Attorney.

UNITED STATES PATENT OFFICE.

JOHN C. IVORY, OF DOLGEVILLE, CALIFORNIA.

SPRING-HEEL SHOE.

No. 929,136.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed May 18, 1909. Serial No. 496,839.

To all whom it may concern:

Be it known that I, JOHN C. IVORY, a citizen of the United States, residing at Dolgeville, county of Los Angeles, State of California, have invented and discovered a new and useful Improvement in Improved Spring-Heel Shoes; and I do hereby 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.

This invention relates to an improved spring-heel shoe and the objects of my improvement are, first to manufacture shoes with uppers preferably made of felt or other materials and the outer soles of thin leather or other suitable flexible substances, easy and comfortable to the feet of wearers; and second, to provide uppers for shoes having a heel portion made integral therewith, forming with the heel portion of the sole, seats or pockets for the heels.

My invention consists essentially of the construction, combination and arrangement of parts as will be hereinafter fully described in the specification, shown upon the drawings appended hereto and specifically pointed out in the claim made a part hereof.

I attain these objects above referred to by the construction, combination and arrangement of the several parts illustrated in the accompanying drawings, in which—

Figure 1 is a view in elevation of my improved spring-heel shoe, finished ready to be placed upon the market; Fig. 2 is a view in elevation of the rear portion of my improved spring-heel shoe, illustrated in full and dotted lines, the front portion of the shoe broken away, the dotted lines showing the stitches holding the upper proper and the heel or pocket portion of the upper together, removed; Fig. 3 is a central longitudinal sectional view of Fig. 2, through the upper, through the seat or pocket portion of the upper and through the heel portion of the sole showing the projection between the upper and the seat or pocket portion thereof the said projection shown in elevation upon the inside of the shoe. Fig. 4 is a view in cross section shown upon the line *a—a* of Fig. 1; Fig. 5 is a cross sectional view of the upper and the heel seat or pocket of the upper extended showing the two portions of the upper made of a single piece of material; Fig. 6 is a view in elevation of a portion of the upper

proper and the heel or pocket portion of the upper before being stitched, forming the projection thereon; and Fig. 7 is a view in elevation of a portion of the upper proper and the heel or pocket portion of the upper after being stitched, forming the projection thereon.

Similar numerals refer to like parts throughout the several views of the drawings.

The reference numeral 1 denotes the outer sole of my improved shoe preferably made of leather or other suitable material, and the numeral 2 indicates the upper proper preferably made of felt, leather or other suitable flexible substances, and the numeral 2' designates the heel or pocket portion of the upper made integral with the upper 2 and forming a part of the same as shown upon Figs. 3, 5, 6 and 7 of the drawings. The projection 3 is formed by doubling the said upper proper 2, and the heel or pocket portion 2' upon themselves as shown upon Figs. 3, 4 and 7 of the drawings.

The numeral 4 refers to the stitches by which the projection 3 is formed as illustrated in dotted lines upon Fig. 2 of the drawings and in full lines upon Figs. 4 and 7 of the drawings. The said projection 3 I can form at any desirable distance from the upper edge 3'' of the upper proper 2, thereby making the seat or pocket portion 2' of less or greater dimensions as may be desired, and the packing for the heel 6 of less or greater proportions and raising or lowering the heel of the shoe as the purchaser or wearer may desire.

The raising and lowering of the heels of shoes can be accomplished without making a series of patterns for shoes having heels of different heights; or the employment of expert laborers, merely by folding or doubling the upper proper 2 and the heel or pocket portion 2' of the upper upon different lines and stitching the two portions together.

The numeral 5 designates one or more layers of wool, cotton or other suitable padding material extending over the padding of the heel 6 and extending over the inner and upper surface of the sole 1 the entire length of the shoe.

The numeral 7 denotes the inner lining of the shoe extending the entire length thereof upon the upper surface of the layer or layers 5 of the padding for the shoe.

To the said projection 3 the edge of the

sole 1 and the edge of the lining 7 is sewed and held in place upon the inside of the shoe when completed and ready for the wearer.

It will readily appear from the foregoing description when read in connection with the drawings hereto appended and made a part of the specification and claim, that further description of the manner of manufacturing my improved spring-heel shoe, is deemed unnecessary.

It is obvious that many variations and changes in the details of construction and arrangement of my invention would readily suggest themselves to persons skilled in the art and still be within the spirit and scope of my improvement.

I claim:

A spring-heel shoe having an upper and a heel seat or pocket portion thereof made of a

single piece of flexible material doubled upon itself forming a projection on the inside for the heel seat or pocket of the shoe, the outer sole fastened to the upper and to the heel seat or pocket portion of the upper, a heel made of spring or yielding material, one or more layers of yielding elastic textile material and a lining covering the said layers and the heel fastened to the outer edge of the sole and to the said projection of the upper and the heel portion thereof.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN C. IVORY.

Witnesses:

FRED C. EPPERSON,
F. B. BILLINGS.