

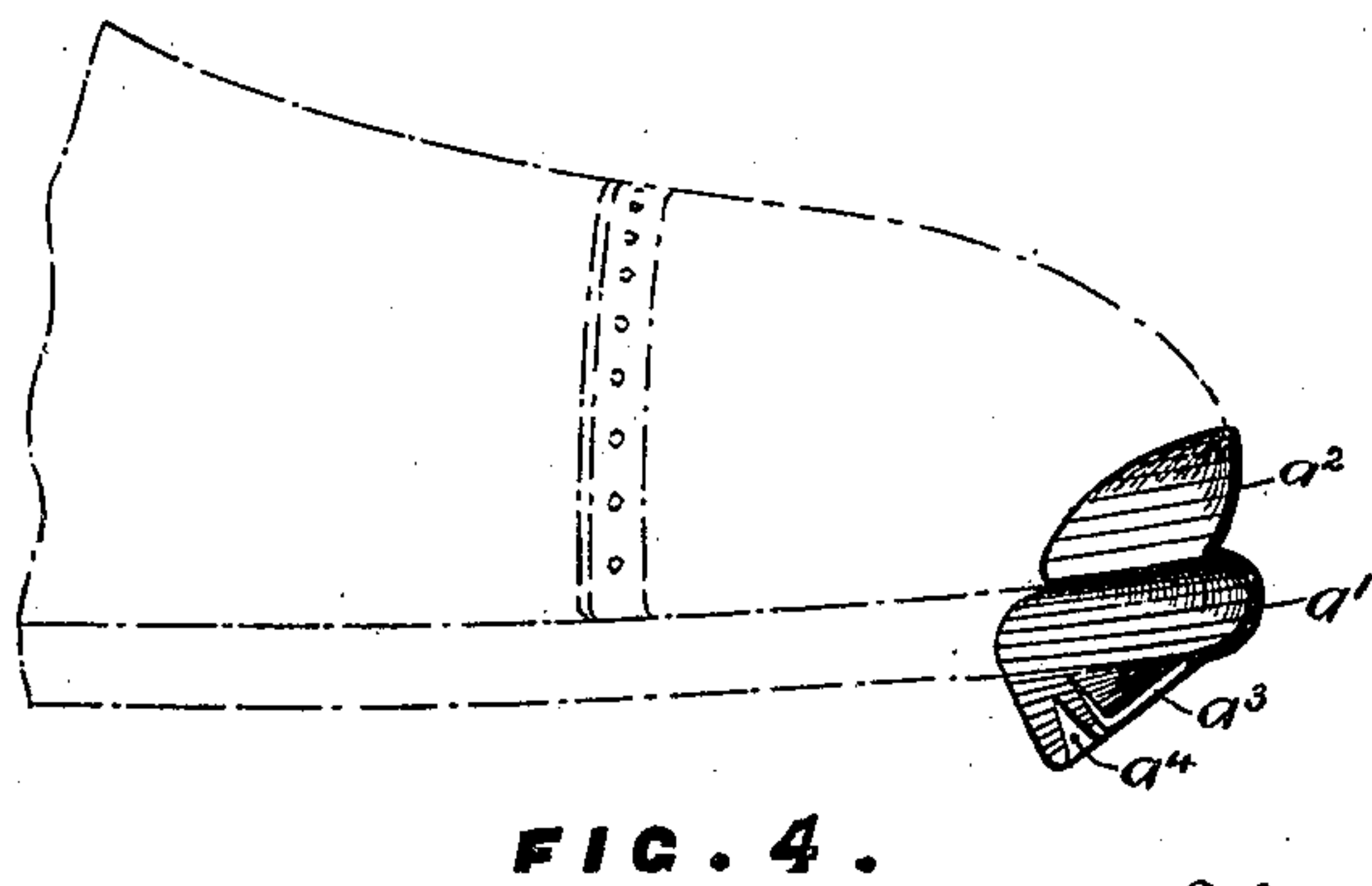
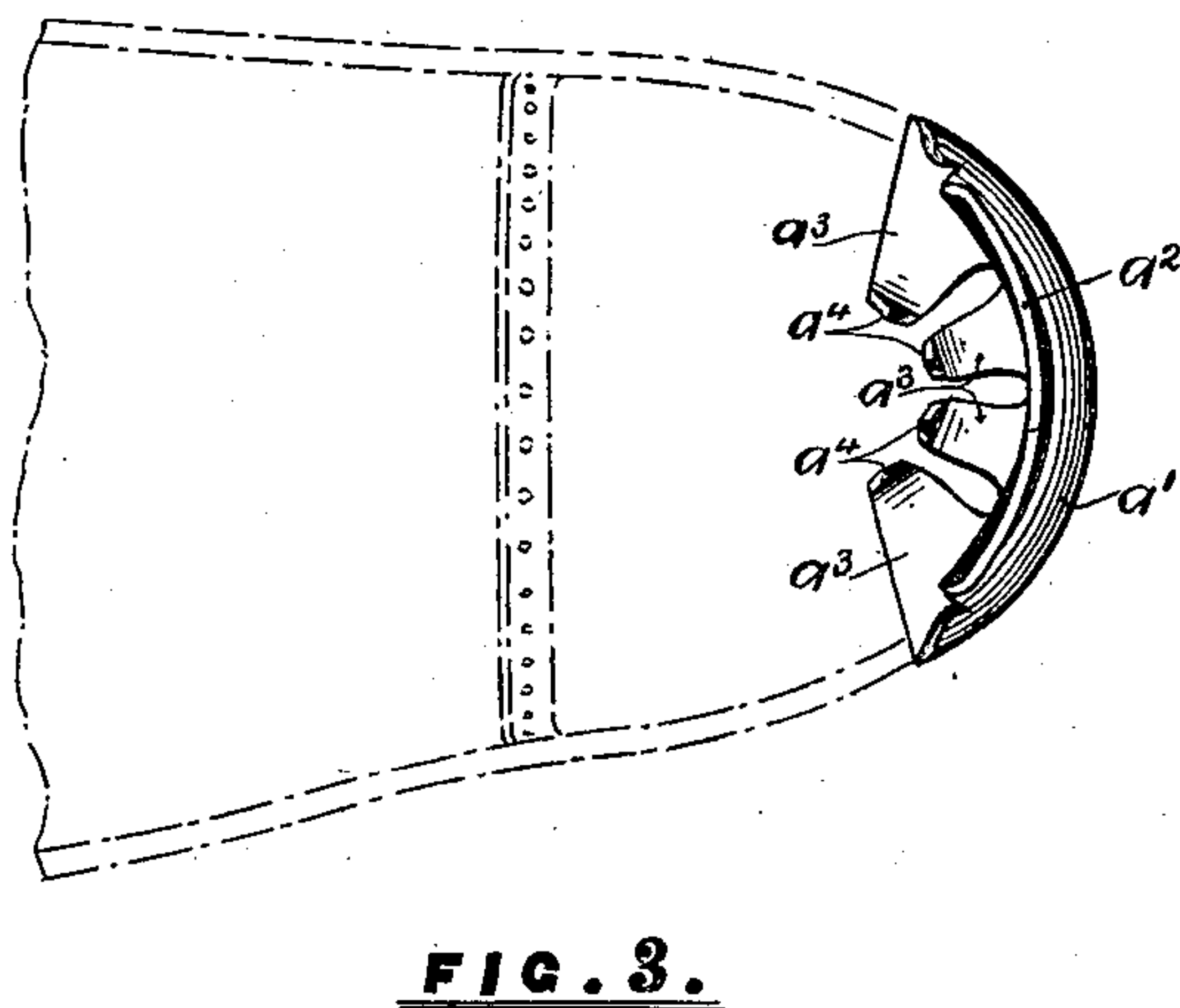
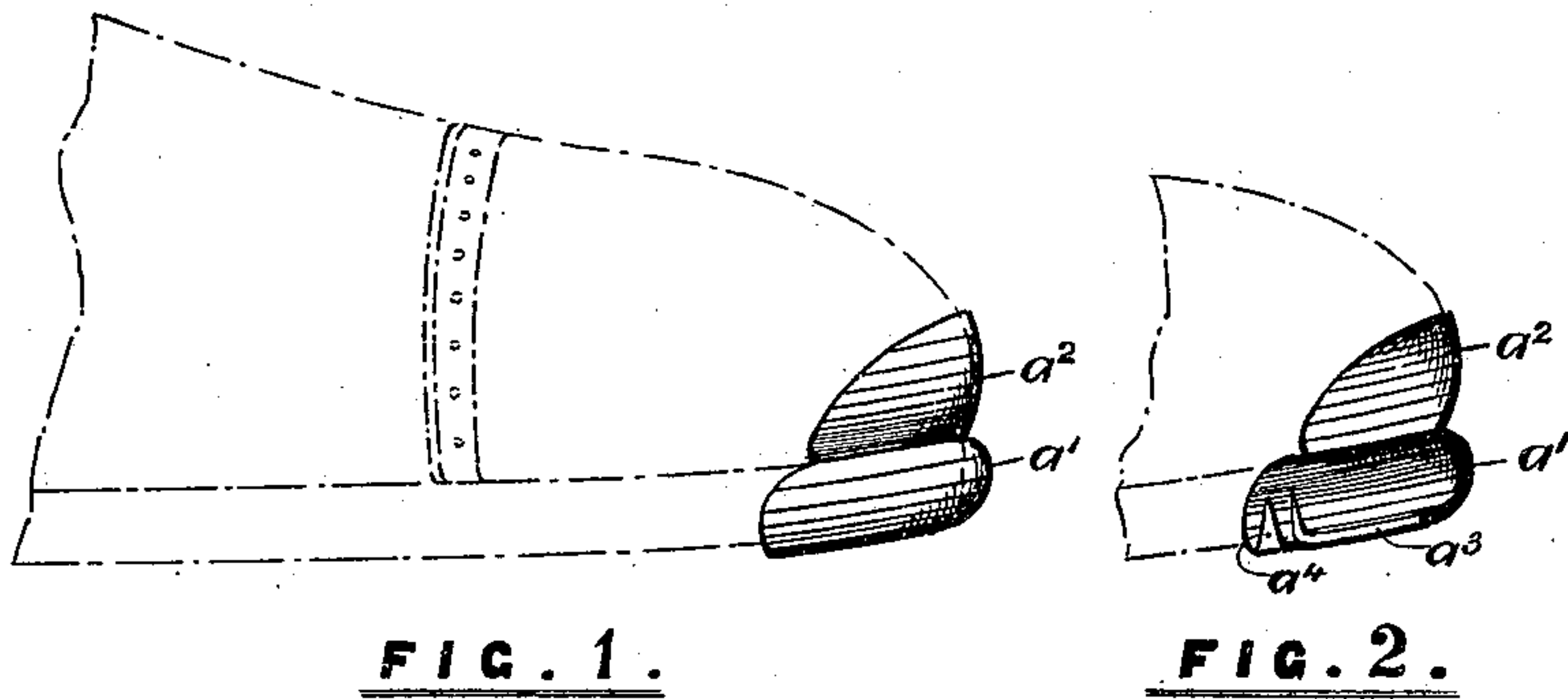
No. 616,810.

Patented Dec. 27, 1898.

R. S. SIMISTER.  
TOE PROTECTOR FOR BOOTS OR SHOES.

(Application filed Feb. 14, 1898.)

(No Model.)



Witnesses  
J. Gosford  
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# UNITED STATES PATENT OFFICE.

ROBERT STOCKS SIMISTER, OF FLIXTON, ENGLAND, ASSIGNOR TO ARTHUR CLOWES, OF URMSTON, AND ALFRED LLOYD HULME, OF MANCHESTER, ENGLAND.

## TOE-PROTECTOR FOR BOOTS OR SHOES.

SPECIFICATION forming part of Letters Patent No. 616,810, dated December 27, 1898.

Application filed February 14, 1898. Serial No. 670,246. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT STOCKS SIMISTER, a subject of the Queen of Great Britain and Ireland, and a resident of Flixton, county of Lancaster, England, have invented a certain new and useful Improved Toe-Protector for Boots or Shoes, (for which I have made application for a patent in Great Britain, No. 24,095, bearing date October 19, 1897,) of which the following is a specification.

The objects of my invention are to construct a protecting-cap for the toes of boots, which shall be attached to the boot without the use of any separate nails, screws, or spikes, and which shall protect not only the tread of the sole, but also the front of the sole and the front of the upper.

My invention consists of a metal toe-protecting cap cut from one piece of sheet steel or other metal and made of a shape to fit the toe end of the sole and with an extension partially covering the toe of the boot-upper. The portion extending along the sole of the boot is divided into one, two, or more flanges, whose ends are tapering and sharpened and turned upward to form a spike, or the end of each flange may be formed into two or more sharpened points, so as to form two or more spikes on each flange.

Referring to the drawings which form a part of this specification, Figure 1 is a side elevation of a toe-cap constructed in accordance with my invention,  $a'$  embracing the sole and  $a^2$  protecting the upper. Fig. 2 shows a sectional elevation looking in the same direction as Fig. 1, the flanges being shown at  $a^3$  and

the spikes at  $a^4$ . Fig. 3 shows a plan view of the appliance, wherein four flanges  $a^3$  are shown, each with one spike at right angles to its length. In Fig. 4 is shown the method of applying the toe-cap, the flanges  $a^3$  being bent downward, as shown, allowing the boot-toe to enter the recesses of the cap. When in position, the spikes  $a^4$  are driven into the sole with a hammer, thus securing them without the aid of nails or screws, and they will firmly hold the cap until the flanges themselves are worn away.

I am aware of the English Patent No. 20,089, of the year 1891, taken out by Thomas Reading, and of other inventions for this purpose, but in which nails or screws or separate spikes had been used driven through the plates into the soles of the boots, and in all such devices the head of such nail, screw, or spike being the first to wear away causes the cap to become loose long before it is worn out.

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

A boot or shoe toe protecting metallic cap made with a series of radially-extending arms having turned-up pointed ends for hammering into under part of sole of said boot or shoe substantially as described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

ROBERT STOCKS SIMISTER.

Witnesses:

EDGAR C. MILLS,

JAMES HARRY CASTETT.