

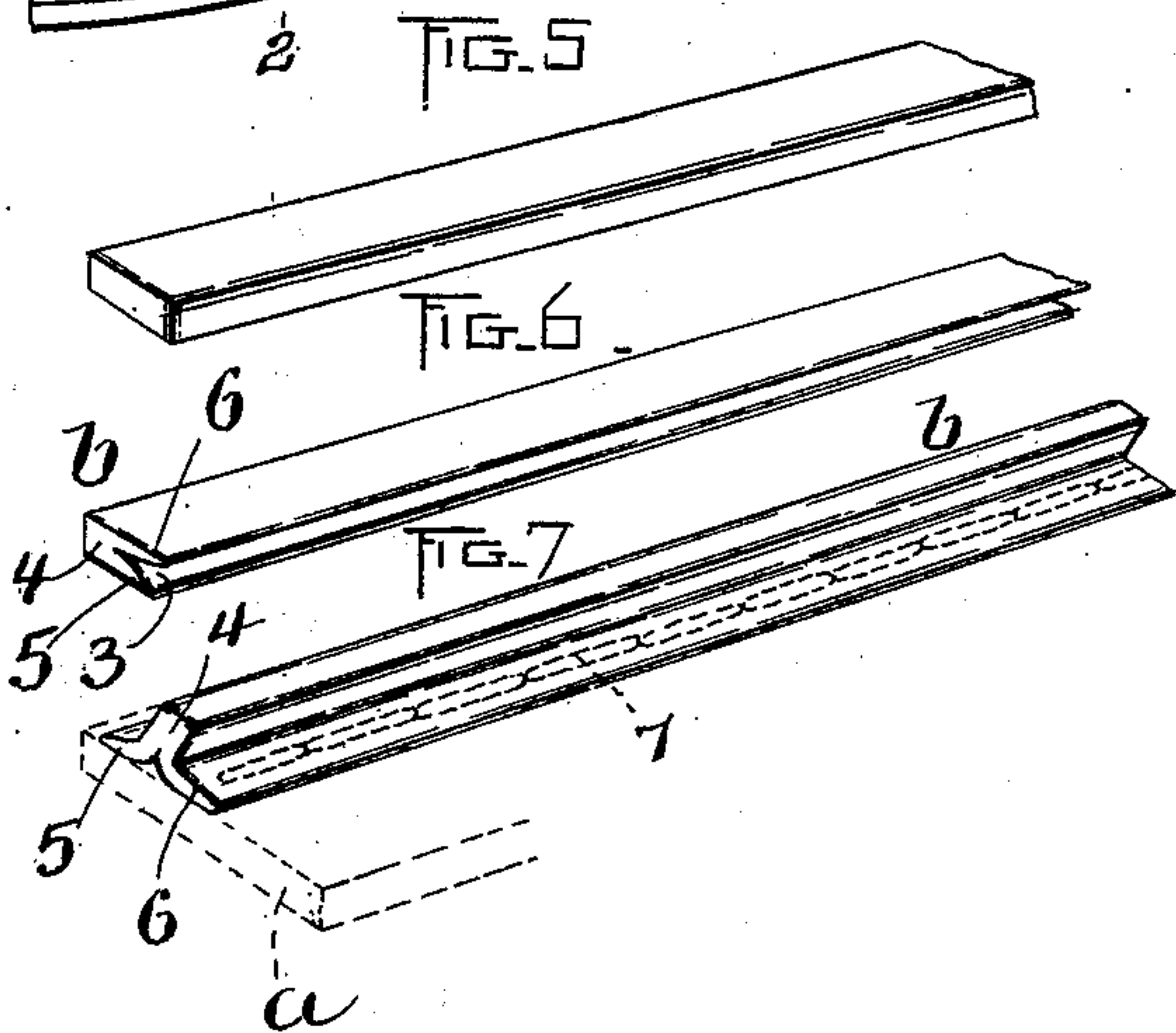
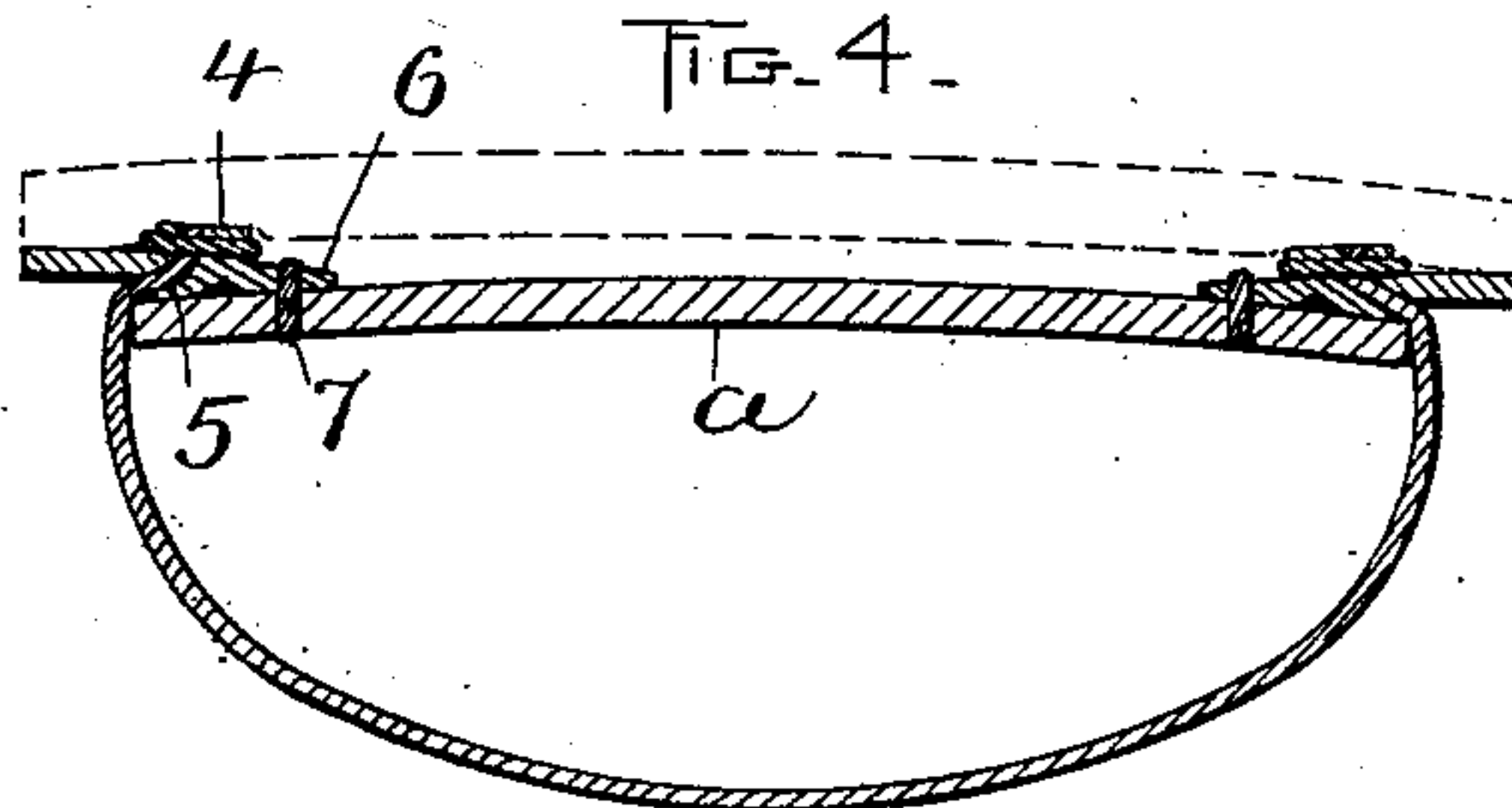
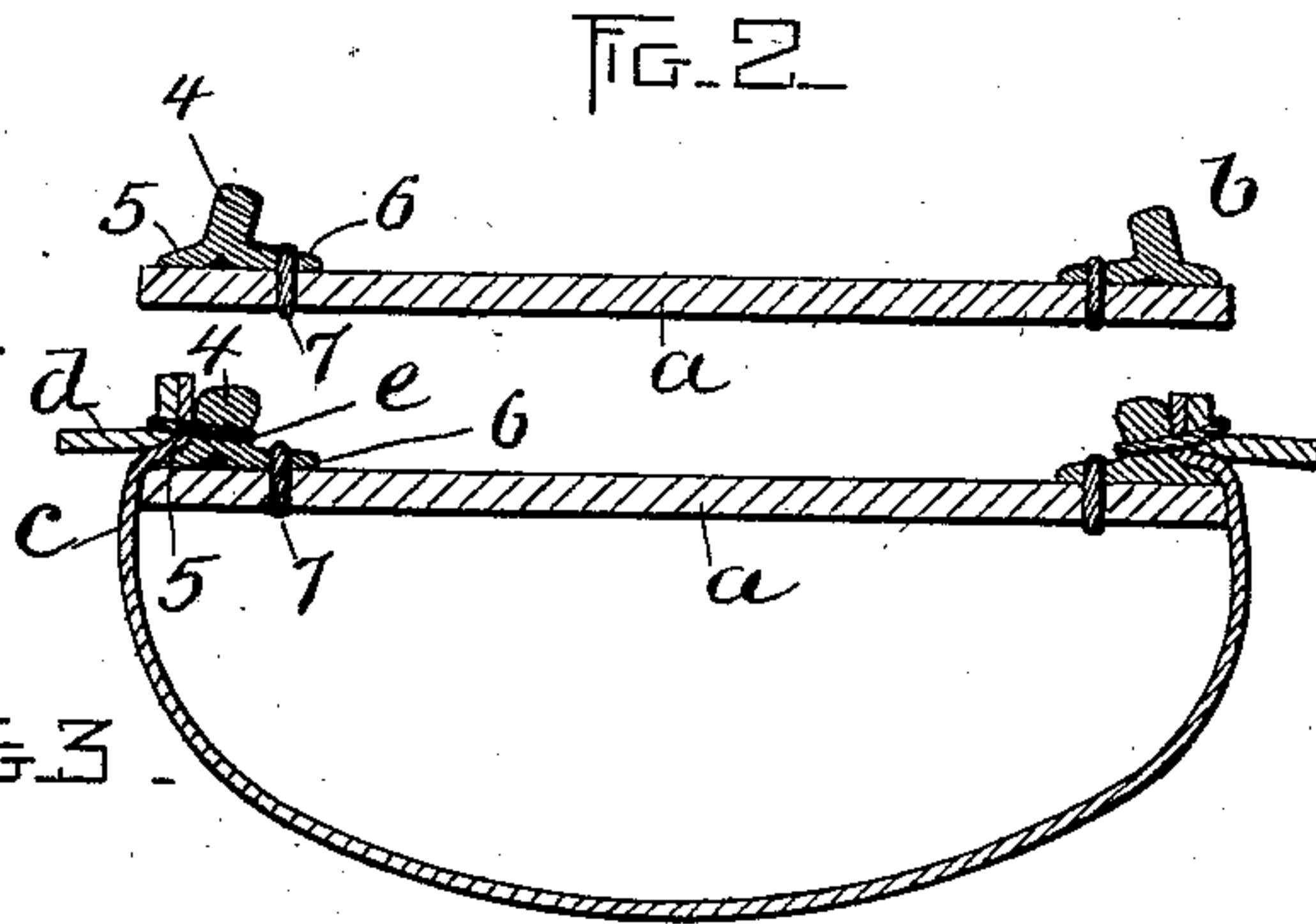
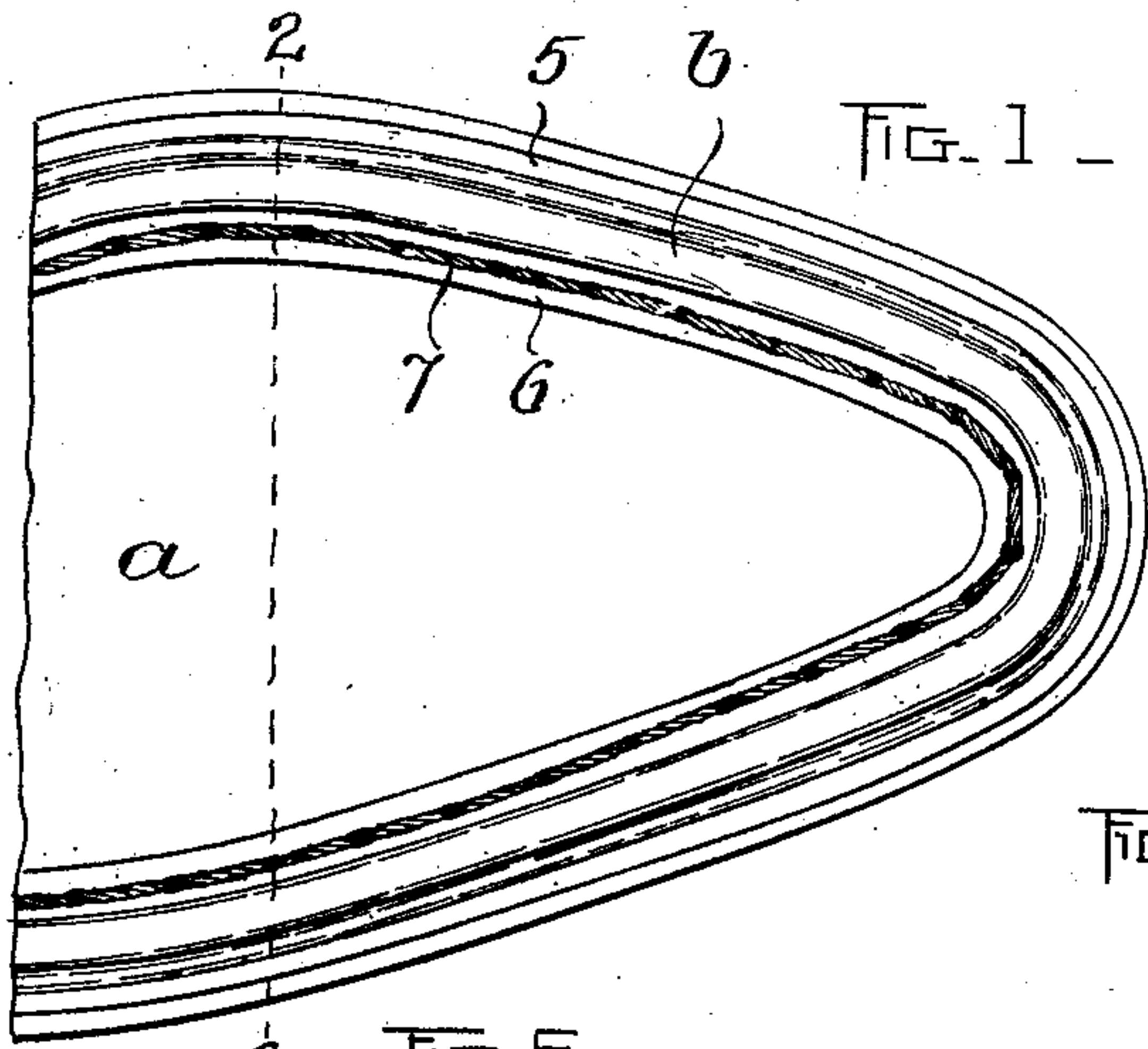
No. 606,860.

A. E. GOOCH.
INNER SOLE.

Patented July 5, 1898.

(No Model.)

(Application filed Nov 17, 1897.)



WITNESSES:

A. D. Hammon

P. W. Pezzetta

INVENTOR:

A. E. Gooch

By Wright, Brown & Quincy
Attys.

UNITED STATES PATENT OFFICE.

ATHELSTON E. GOOCH, OF SOUTH BRAINTREE, MASSACHUSETTS.

INNER SOLE.

SPECIFICATION forming part of Letters Patent No. 606,860, dated July 5, 1898.

Application filed November 17, 1897. Serial No. 658,780. (No model.)

To all whom it may concern:

Be it known that I, ATHELSTON E. GOOCH, of South Braintree, in the county of Plymouth and State of Massachusetts, have invented certain new and useful Improvements in Inner Soles, of which the following is a specification.

This invention relates to inner soles of welted boots and shoes, in which the lip or rib to which the upper and sole are sewed is made in a separate piece or strip and secured to the body portion of the sole, the object of this construction being to produce a relatively inexpensive flexible inner sole constituting an acceptable substitute for a leather sole, which is channeled to form a lip integral with the body of the sole. My invention has for its object to provide certain improvements in a sole of this character, looking to strength and durability as well as economy of construction.

The invention consists in the improvements which I will now proceed to describe and claim.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a side view of a portion of an inner sole embodying my invention. Fig. 2 represents a section on line 2 2 of Fig. 1. Fig. 3 represents a view similar to Fig. 2, showing the upper and welt attached to the lip or rib shown in Figs. 1 and 2. Fig. 4 represents a view similar to Fig. 3, showing the outer sole in dotted lines, the projecting edges of the lip, upper, and welt being trimmed to form a bearing for the outer sole. Fig. 5 represents a blank used for the production of the rib shown in Figs. 1, 2, 3, and 4. Fig. 6 represents the completed rib before its application to the inner sole. Fig. 7 represents a perspective view showing the form of the rib when attached to the inner sole, the latter being indicated by dotted lines.

The same letters and numerals of reference indicate the same parts in all the figures.

In the drawings, *a* represents the body portion of an inner sole, which may be made of leather, canvas or other suitable cloth, or of any other suitable material or combination of materials. *b* represents the strip, to which the upper *c* and welt *d* are attached by stitches

e. Said strip is composed of leather and is of the form shown in Fig. 6, having a groove 3 formed in one of its edges, said groove extending partly across the width of the strip, so that the strip comprises a solid or body portion 4, having the full thickness of the strip, and two flaps or flanges 5 6. The strip is applied edgewise to the outer surface of the sole-body *a*, its flanges 5 6 being pressed against said body and turned from the body portion 4 in opposite directions, the flange 5 projecting outwardly from said body portion toward the margin of the sole-body, while the flange 6 projects inwardly toward the central portion of the sole-body and is attached to the latter by suitable means, such as by stitches 7. It will be seen that the outer flange 5 forms a continuation of the outer surface of the body portion 4, said surfaces forming a seat for the edge of the upper *c*, the flange 5 giving a desirable increase of thickness to the marginal portion of the sole-body. The stitches 7, which connect the strip to the sole-body, being engaged with the inner flange 6, are located so as to resist to the best advantage the pull or strain exerted on the strip by the stitches *e*, that connect the upper and welt thereto, the strip having a broad bearing upon the sole-body between the stitches 7 and the margin of the sole-body. By the described construction I obtain a relatively thick and strong body portion 4 for the reception of the stitches *e*, thus insuring a strong connection between the welt, upper, and inner sole.

It will be seen that the attached strip has a broad base supporting a lip or rib which projects outwardly from the sole-body, a part of the base projecting outwardly from the rib toward the margin of the sole and constituting a portion of the seat for the upper, while another portion of the base projects inwardly from the lip or rib and is adapted to receive the attaching-stitches 7, which are located at a considerable distance from the outer edge of the base.

I claim—

An inner sole for a welted boot or shoe comprising a body portion, and a strip made in a separate piece from the sole, placed edgewise on the outer surface thereof, the inner edge of the strip being split to form two flanges,

one of which projects outwardly toward the
edge of the sole, while the other projects in-
wardly toward the center of the sole and is
attached to the sole, the solid body of the strip
5 being supported by the lips in position for at-
tachment to the upper and welt.

In testimony whereof I have signed my

name to this specification, in the presence of
two subscribing witnesses, this 15th day of
November, A. D. 1897.

ATHIELSTON E. GOOCH.

Witnesses:

C. F. BROWN,

A. D. HARRISON.