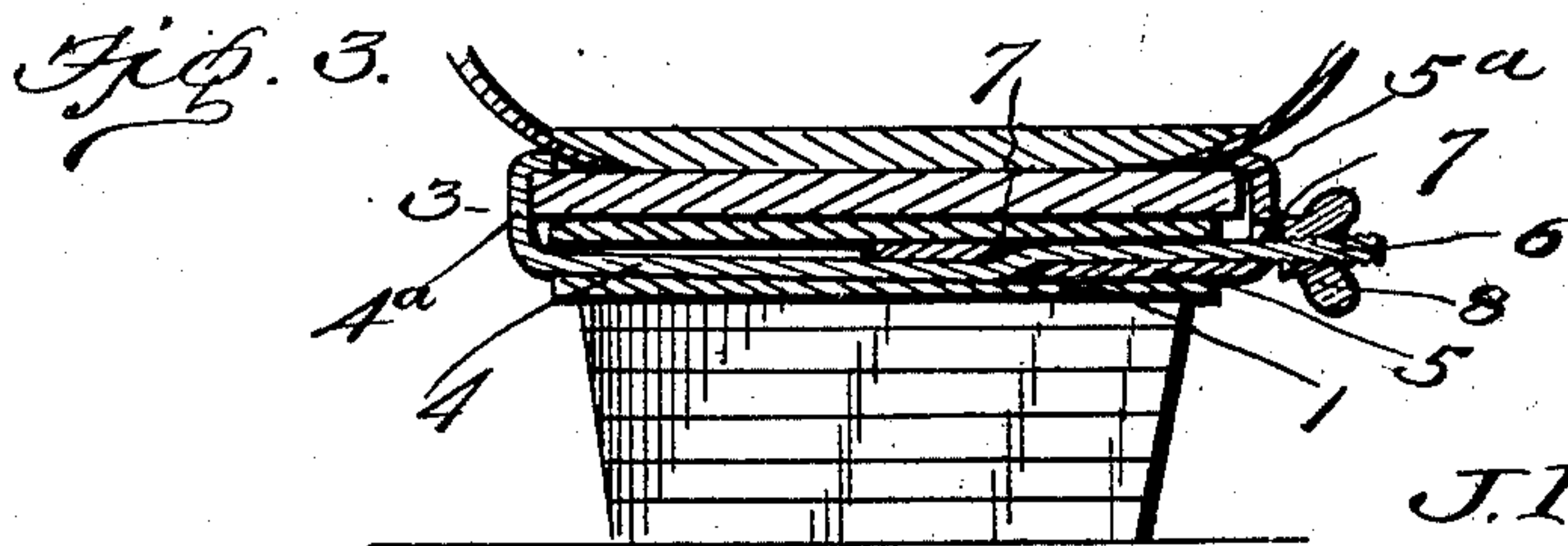
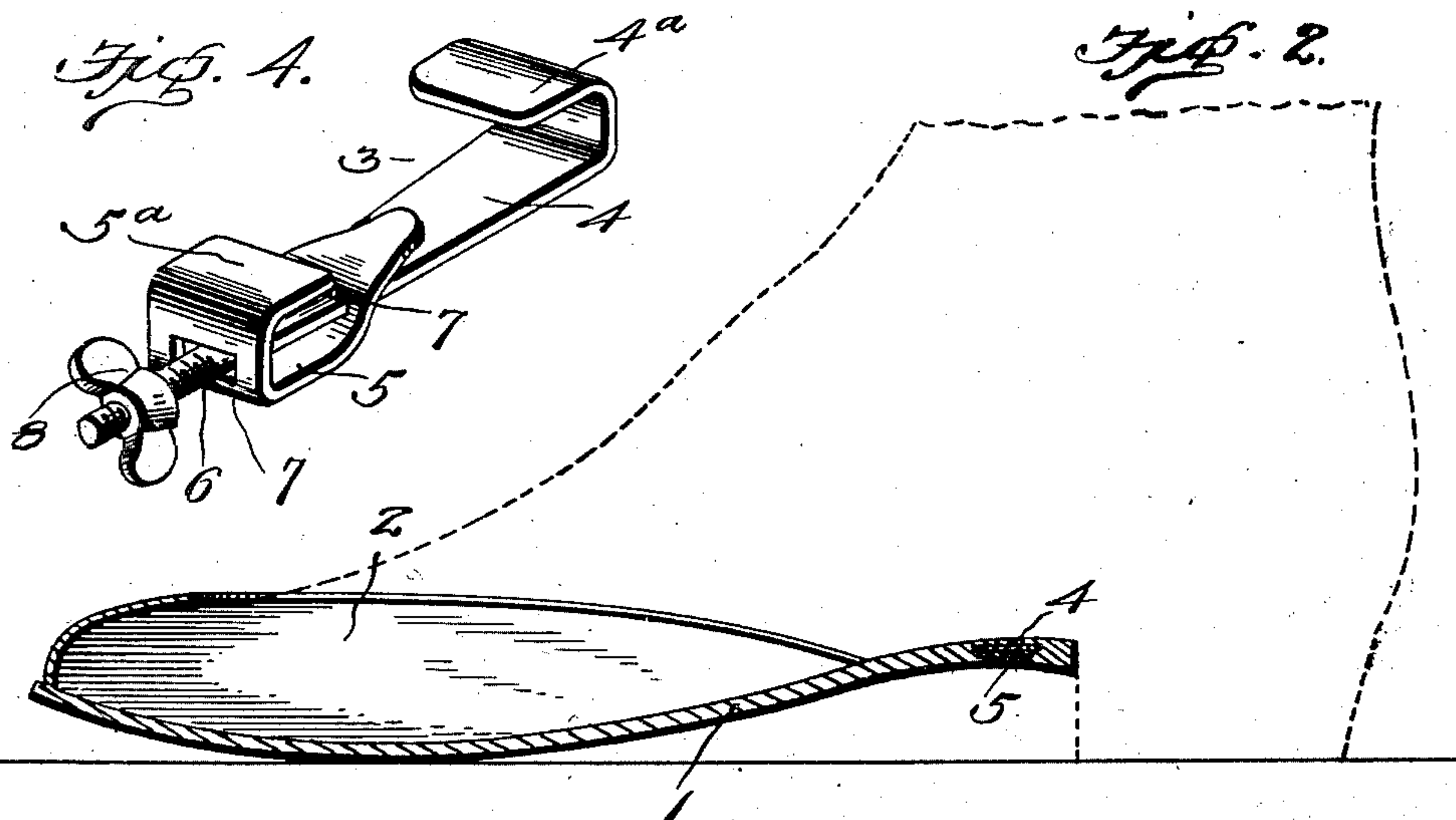
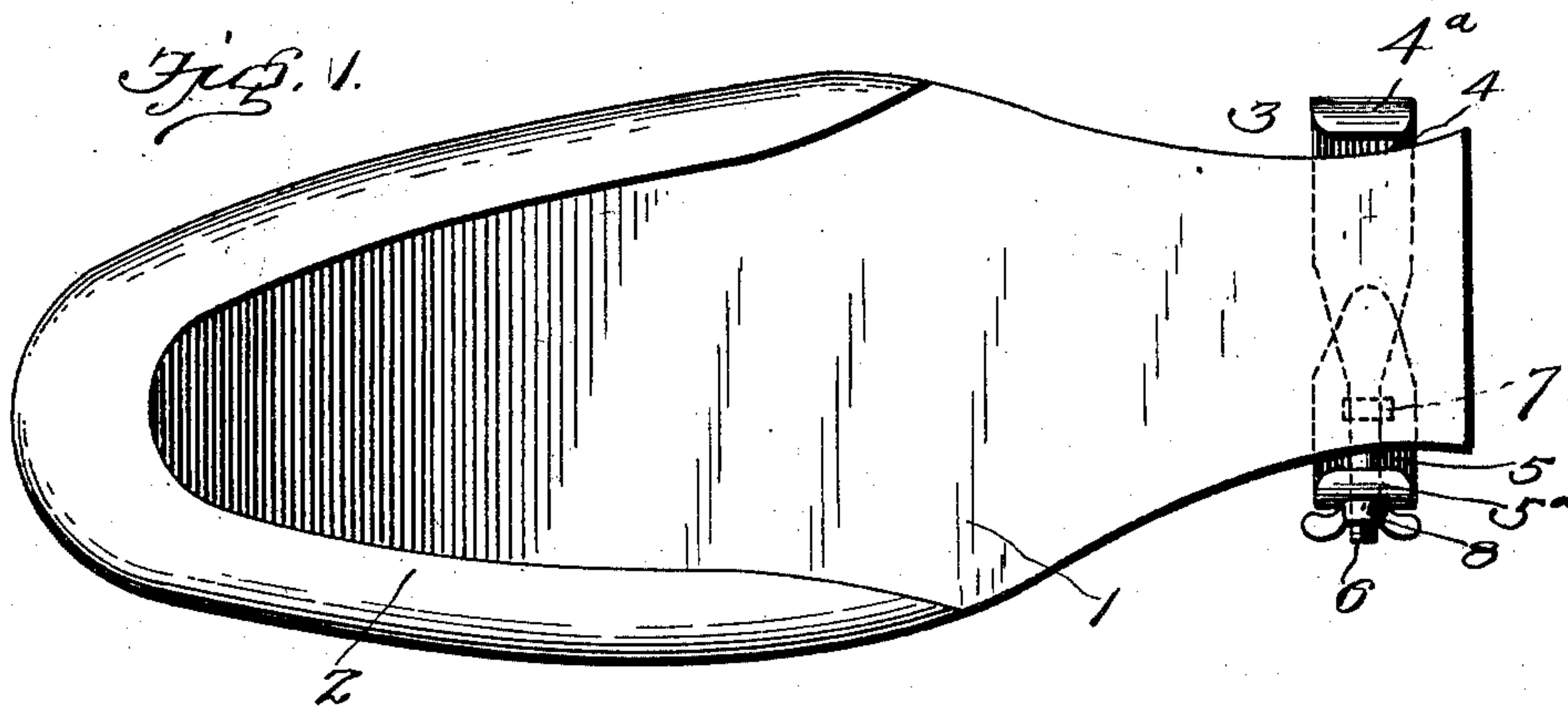


No. 737,880.

PATENTED SEPT. 1, 1903.

J. P. STEELE.
DETACHABLE SOLE FOR SHOES.
APPLICATION FILED JUNE 26, 1902.

NO MODEL.



Inventor

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Witnesses

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UNITED STATES PATENT OFFICE.

JOSEPH P. STEELE, OF CLARKSVILLE, TENNESSEE.

DETACHABLE SOLE FOR SHOES.

SPECIFICATION forming part of Letters Patent No. 737,880, dated September 1, 1903.

Application filed June 26, 1902. Serial No. 113,337. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH P. STEELE, a citizen of the United States, residing at Clarksville, in the county of Montgomery and State of Tennessee, have invented certain new and useful Improvements in Detachable Soles for Shoes; and I do 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.

The invention relates to detachable shoe-soles, and particularly to means for fastening the same to the shoe.

The object of the invention is to provide a detachable sole which can be quickly attached or detached to or from the shoe and which when clamped thereto will be firmly held against accidental displacement.

The invention consists in certain novel features of construction and arrangement of parts, which will be hereinafter more fully described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a top plan view of the sole. Fig. 2 is a longitudinal vertical section of the same, showing in dotted lines a shoe in position. Fig. 3 is an enlarged vertical cross-section through the detachable sole, the clamp, and a shoe-sole, showing the clamp engaging said shoe-sole; and Fig. 4 is a detail perspective view of the clamp removed.

In the drawings, 1 denotes the detachable sole, which preferably conforms to the size and shape of the shoe-sole to which it is to be attached and is formed of any suitable material, such as leather, rubber, or the like.

2 denotes a marginal flange or cap extending nearly around the outer edge of the sole and formed of a light flexible material, which may be the same as the sole and formed integral therewith or of a different material and stitched or otherwise attached thereto.

3 denotes the clamp, which consists of the two interlocking coacting plates 4 and 5, the outer ends of which are curved upwardly and inwardly to form jaws 4^a and 5^a, the plate 4 having an extension 6, which passes through two slots 7, formed in the plate 5, and is rounded on its outer end and threaded to receive a winged nut 8, whereby upon rotation of the same in one direction the jaws 4^a and 5^a

will be drawn toward each other to securely grip the edges of the shoe-sole and securely hold the detachable sole in place. The slidably-related coacting plates 4 5 of the clamp are disposed in a transverse slot with which the detachable sole is provided near its rear end, as shown in Figs. 2 and 3 and as indicated in dotted lines in Fig. 1. The upwardly-extending end portions 4^a 5^a of the said plates retain the latter in the said slot in the detachable sole, and hence the clamp is connected positively to the detachable sole even when the same is not in use. It will be observed that the inner end of the plate 5 is offset or projected upward above the body portion thereof and that the slot 7 is formed at a diagonal angle or inclination in the said offset portion; also that the inner end of the plate 4 is similarly offset and that offset portion extends through the said slot 7. By this construction when the parts are connected, as shown clearly in Figs. 3 and 4, the body portions of the two plates will lie in longitudinal alinement and the inner ends of the same will be disposed in longitudinal alinement with each other and above said body portions, thus causing the angular offset members of the two plates to form stops or an interlocking connection to prevent them from having relative outward movement until positively manipulated by hand. This is an important feature of my construction, and by its use casual disconnection of the detachable sole from the shoe is prevented.

In use the detachable sole is placed upon the shoe with the toe thereof inserted in the marginal cap, which snugly fits the toe and sides of the forward portion of the shoe. The clamp is now tightened up to grip the sole of the shoe at the arch, and it is obvious that upon loosening the clamp the detachable sole may be readily removed.

The advantages of a detachable sole of this character, which may be quickly attached and detached, will be readily seen. When formed of rubber, this sole may take the place of a sandal or rubber overshoe to be slipped on temporarily; or it may be used as a protection for fine shoes when necessary, or may be attached as a half-sole to repair a worn-out sole.

From the foregoing description, taken in

connection with the accompanying drawings, it is thought that the construction and mode of use of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

A fastening for connecting detachable soles to shoes, comprising two plates provided at their outer ends with gripping-jaws, one of said plates being formed with a slot in its jaw and having its inner end upwardly offset or deflected to lie in a plane parallel with and above the plate, and provided at the point of offset with an upwardly and outwardly inclined

slot, and the other plate having its inner end upwardly offset and provided with a threaded extension projecting through said slotted jaw, and having its offset portion extending through said slot, whereby the body portions of the plates lie in alinement and the inner ends thereof lie in a plane parallel therewith and in alinement with each other, and the offset portions of the two plates coact to form stops tending to prevent outward relative movement of the plates, and a nut on said threaded extension to bear on said threaded jaw, substantially as described.

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

JOSEPH P. STEELE.

Witnesses:

W. J. SMITH,
A. B. ARMSTRONG.