

No. 662,729.

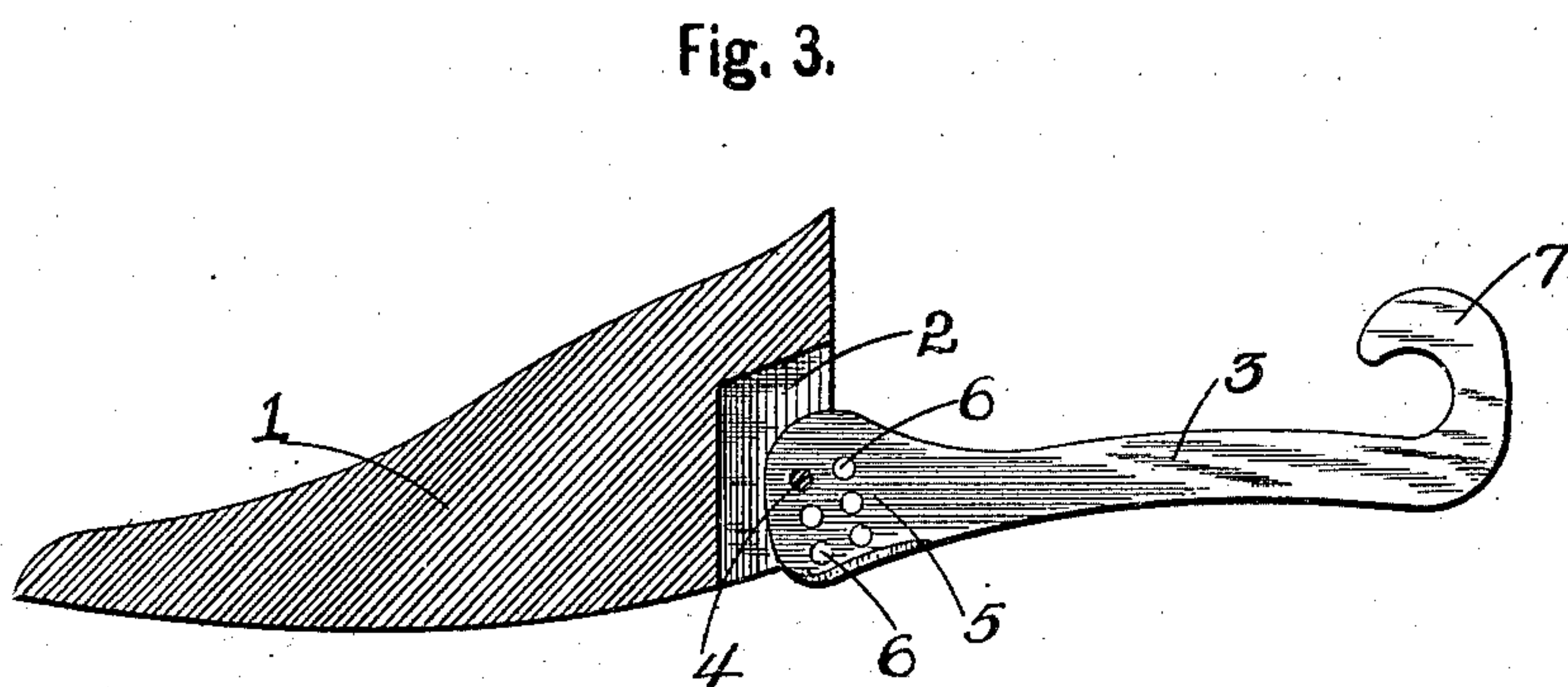
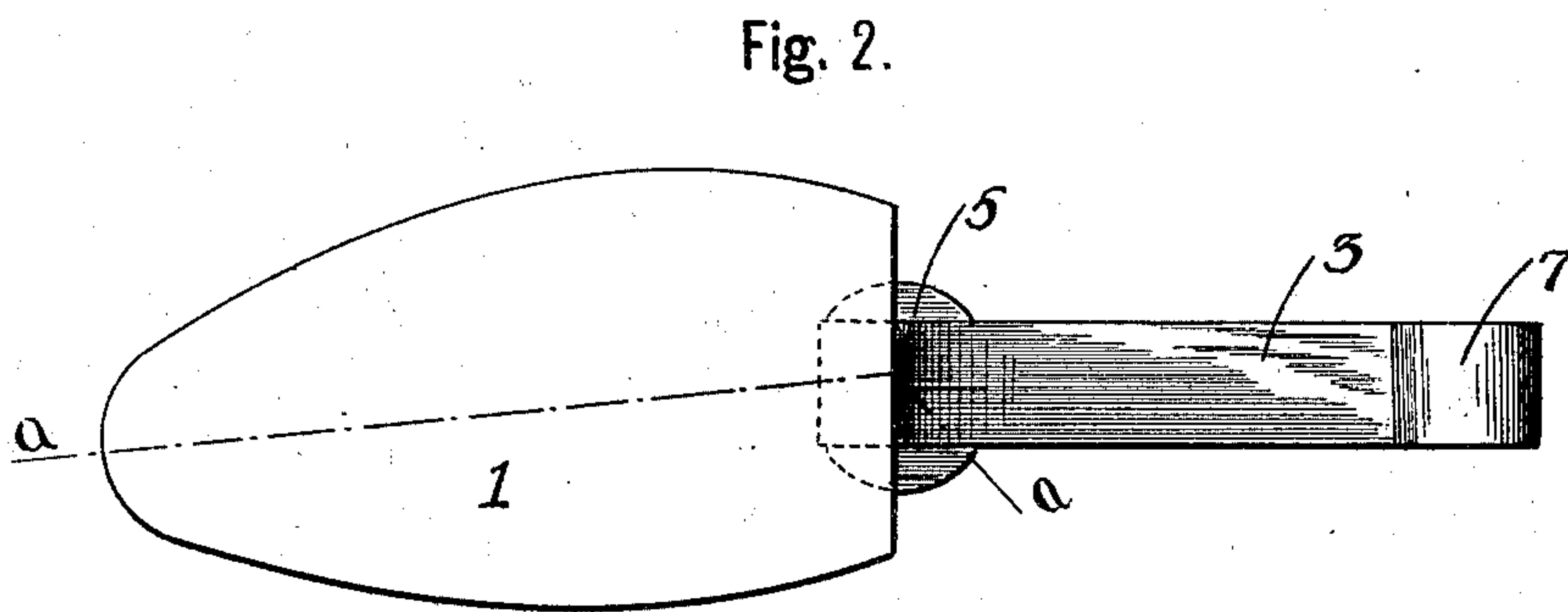
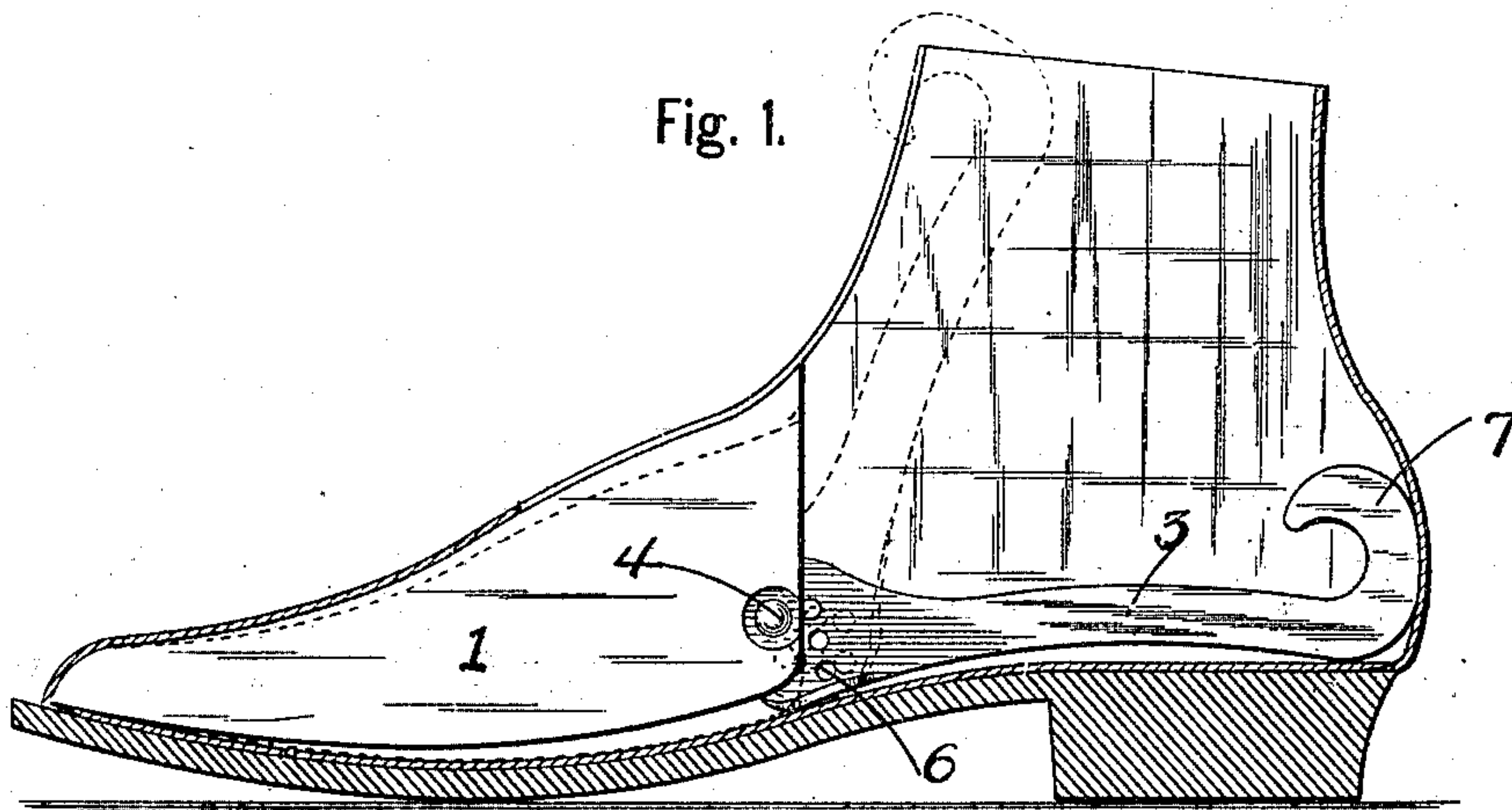
Patented Nov. 27, 1900.

C. B. KOSTERS.
SHOE FORM.

(Application filed Mar. 21, 1900.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses.

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(Application filed Mar. 21, 1900.)

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2 Sheets—Sheet 2.

Fig. 4.

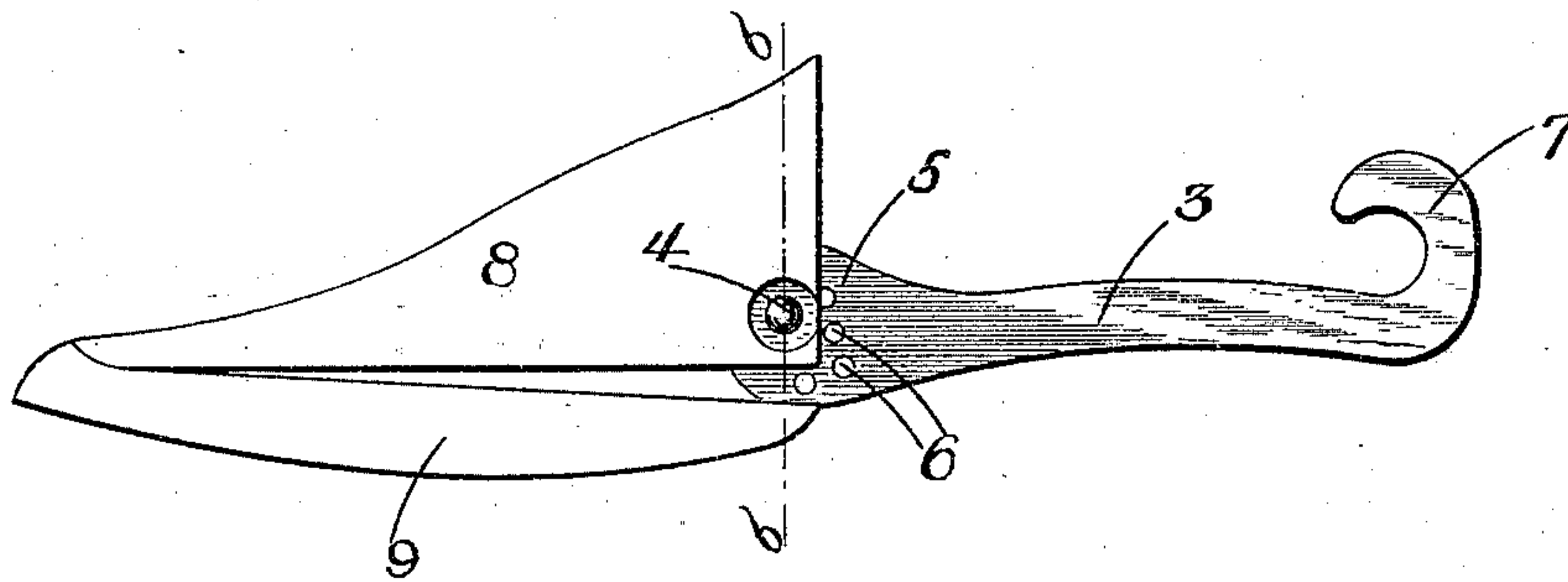


Fig. 5.

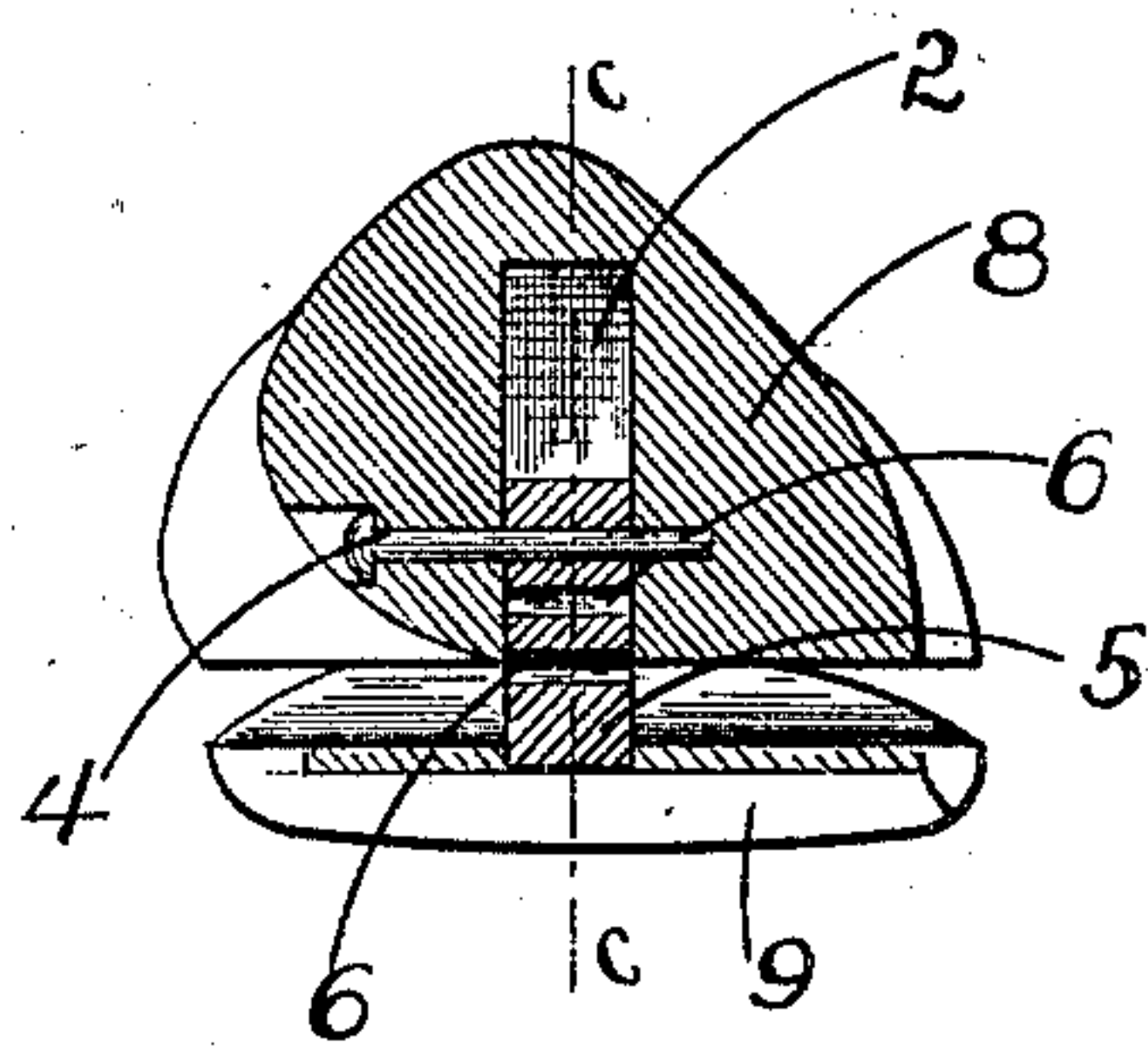


Fig. 7.

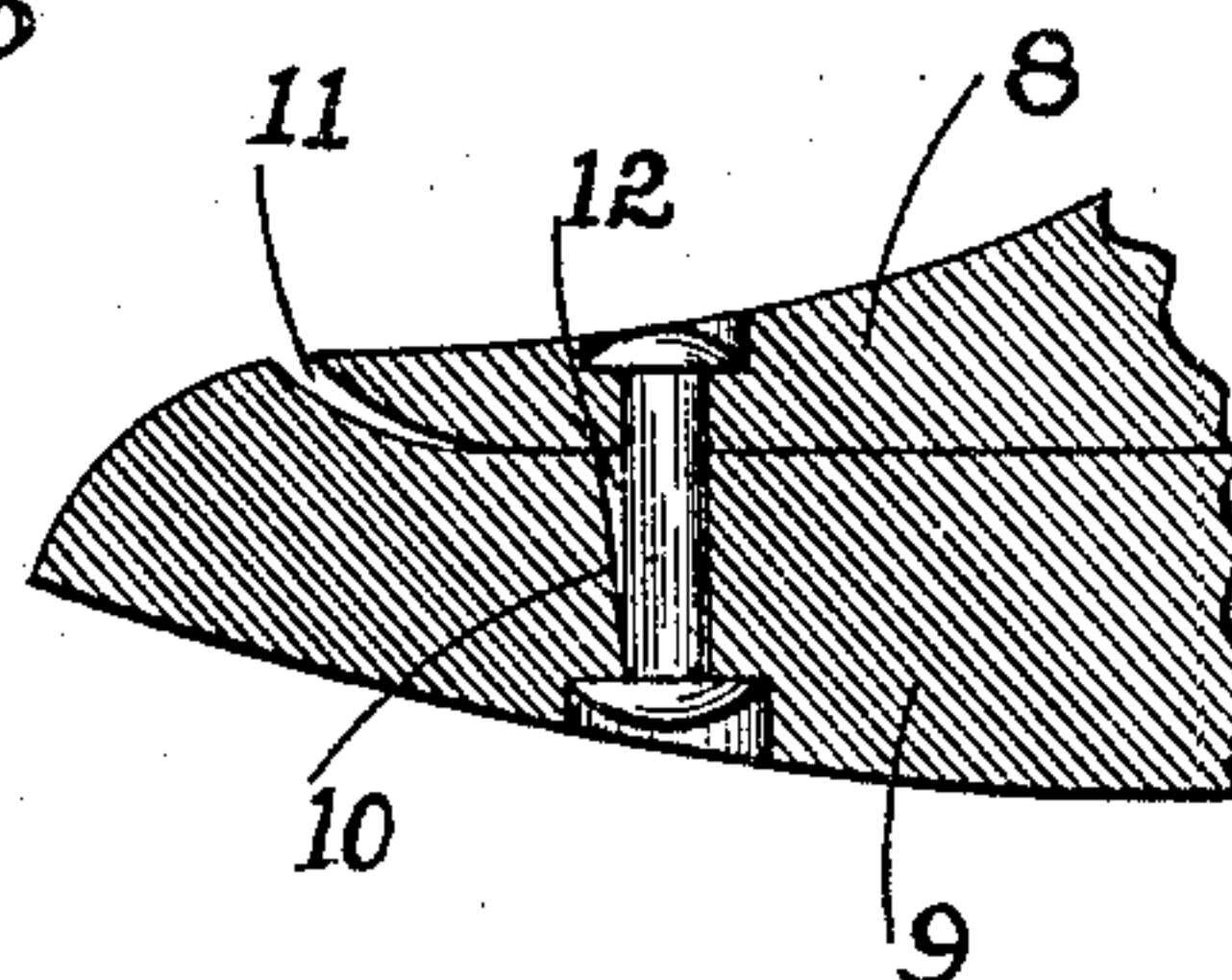
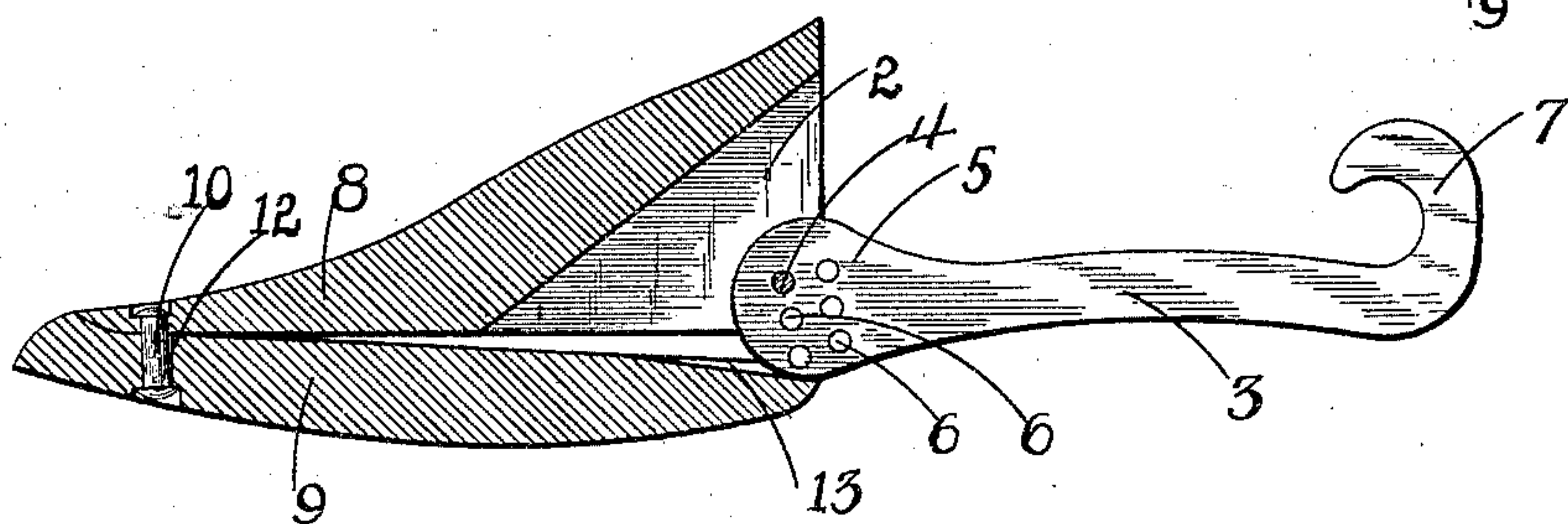


Fig. 6.



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UNITED STATES PATENT OFFICE.

CLEMENTS B. KOSTERS, OF BUFFALO, NEW YORK.

SHOE-FORM.

SPECIFICATION forming part of Letters Patent No. 662,729, dated November 27, 1900.

Application filed March 21, 1900. Serial No. 9,519. (No model.)

To all whom it may concern:

Be it known that I, CLEMENTS B. KOSTERS, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Shoe-Forms, of which the following is a specification.

My invention relates to an improved shoe-form; and the object of the invention is to provide a form of simple and cheap construction in which the rear of the toe portion is automatically elevated by the movement of the heel portion into place.

For a full understanding of the merits and advantages of the invention reference is to be had to the accompanying drawings and the following description.

The invention is susceptible to various changes in the form, proportion, and minor details of construction without departing from the principle or sacrificing any of the advantages thereof, and to a full disclosure of the invention an adaptation thereof is shown in the accompanying drawings, in which—

Figure 1 is a side elevation of my improved form in position in a shoe. Fig. 2 is a top plan view of the same. Fig. 3 is a vertical longitudinal section on or about line *a a*, Fig. 2. Fig. 4 is a side elevation of a form having the toe portion formed in two sections. Fig. 5 is a transverse section on line *b b*, Fig. 4. Fig. 6 is a vertical longitudinal section on line *c c*, Fig. 5. Fig. 7 is an enlarged sectional view of the forward end of the two-part toe portion, showing its construction.

My improved shoe-form comprises a toe portion 1, formed substantially as shown in the drawings and having a longitudinal recess 2 in its rear, in which the forward end of an arm 3 of approximately straight formation, which constitutes a heel portion when in place in the shoe, is pivoted by a pivotal pin 4. The toe portion 1 is shaped to fit the interior of a shoe, and the forward end 5 of the heel portion 3 is enlarged to form a cam, which presses against the shoe-bottom when the heel portion is turned downward into the heel of the shoe and slightly raises the rear of the toe portion, thereby pressing the wrinkles out of the shoe. The forward end 5 of the heel portion is provided with a series of holes or apertures 6, preferably arranged in vertical rows, and can

be adjusted in the recess 2, so that the pivotal pin can be passed through any one of said holes or apertures to provide means for adjusting the heel portion both vertically and longitudinally with respect to the toe portion, and thereby regulate the extent of the elevation of the rear of the toe portion and lengthen or shorten the form. The rear end 7 of the heel portion bends or turns upwardly upon itself to provide a hook-shaped formation, which constitutes a finger grasp or hold for withdrawing the form from a shoe, and also serves as a bearing-surface to fit against the interior of the shoe-heel. The heel portion when in place in the shoe extends rearwardly from the toe portion in an approximately horizontal position and is entirely within the vamp of the shoe. The lower portion of the cam end 5 is widened, as shown in Fig. 2, to afford more surface, and thus substantially prevent denting the interior of the shoe-bottom by pressure of the cam when the heel portion is turned into place.

The form shown in Figs. 4, 5, 6, and 7 is substantially similar to that shown in the preceding figures, with the exception that the toe portion is formed in two sections 8 and 9, which are connected at the forward end by a rivet or pin 10. Portions of the sections in front of the rivet or pin are cut away to form a space 11, and the opening 12 in the lower portion 9, through which said rivet or pin passes, is formed slightly elongated to permit the necessary movement of the rear end of said lower portion 9. The rear end of the lower portion is provided with a shallow depression 13, in which the lower portion of the cam end 5 (which in this case is not necessarily widened, as in the first-described construction, because the cam does not seat upon the shoe-bottom) extends. The shallow depression 13 serves to prevent lateral movement of the sections independently of each other. In this construction of form the wrinkles are pressed from the shoe by spreading the rear ends of the two sections of the toe portion by the cam.

While for some purposes, such as delicate thin-soled shoes, the two-sectioned toe portion is preferable, as the pressure of the cam is not against any one spot, but practically against the entire forward surface of the shoe-bottom, the first-described form is cheaper

and simplest in construction, and for heavy or medium soled shoes is equally satisfactory.

I claim as my invention—

1. A shoe-form having a toe portion and a rigid arm pivoted to said toe portion and serving as a heel portion when moved downward into place into the shoe, and means whereby the downward movement of said arm may automatically elevate the rear end of the toe portion.

2. A shoe-form having a toe portion, an arm adapted to assume a horizontal position and bear against the interior of the shoe-heel, and a cam on the forward end of the arm to elevate the rear of the toe portion when the arm is pressed downward into its horizontal position.

3. A shoe-form having a toe portion and an arm pivoted to said toe portion and serving as a heel portion when moved downward into place in the shoe; said arm having a cam at its forward end which may automatically elevate the rear of the toe portion upon the movement of said arm into position as a heel portion, and a hooked rear end forming a finger-grip for withdrawing the form from the shoe.

4. A shoe-form having a toe portion composed of upper and lower sections, and a heel portion pivoted to one of said sections and having a cam for separating said sections.

5. A shoe-form having a toe portion composed of upper and lower sections, a rivet or pin for connecting the forward portions of the sections; the upper section having a longitudinal recess at the rear, and the lower section a shallow top depression and a heel portion pivoted at its forward end in the longitudinal recess in the upper section, and having a cam part sliding in the depression in the lower section.

6. A shoe-form having a toe portion and a rigid one-piece arm pivoted to said toe portion and serving as a heel portion when moved downward into place into the shoe, and means integral with said arm whereby the downward movement of said arm may automatically elevate the rear end of the toe portion.

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Witnesses:

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