No. 846,720. PATENTED MAR. 12, 1907.

F. E. BENTON.

HINGED LAST.

APPLICATION FILED FEB. 23, 1906.

Fig. 1.

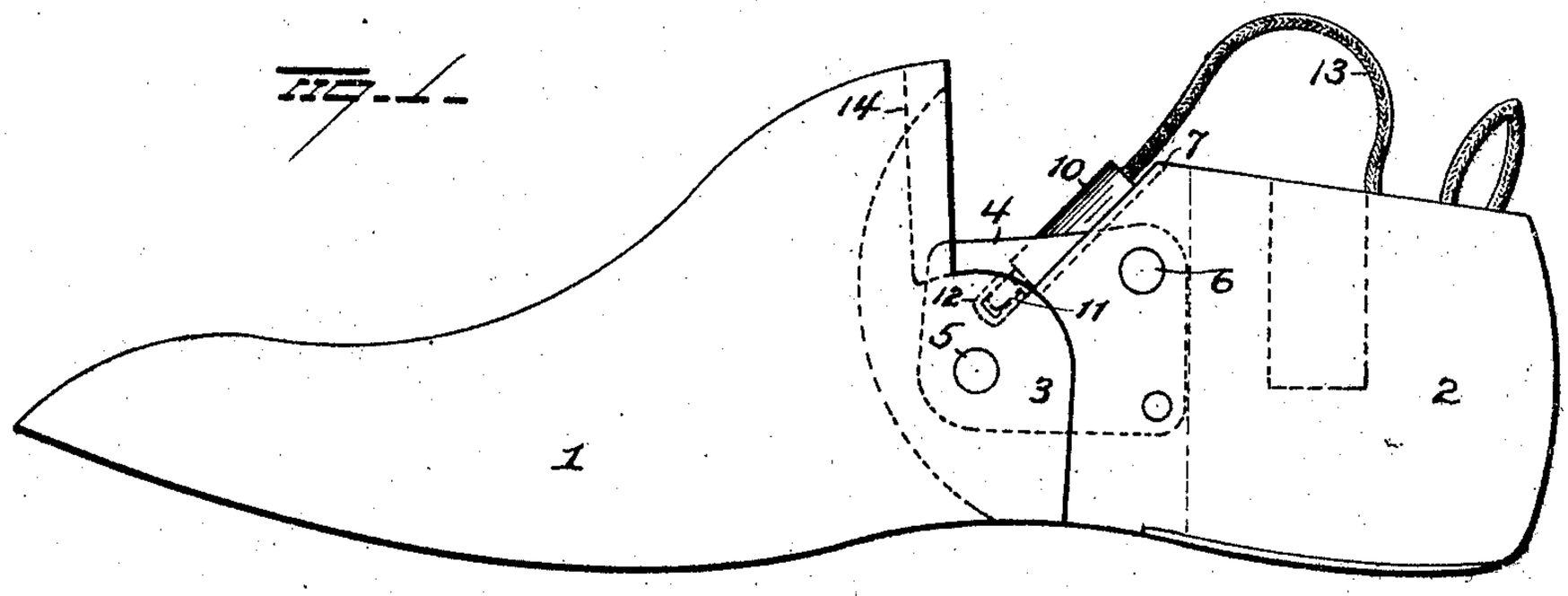

Fig. 2.

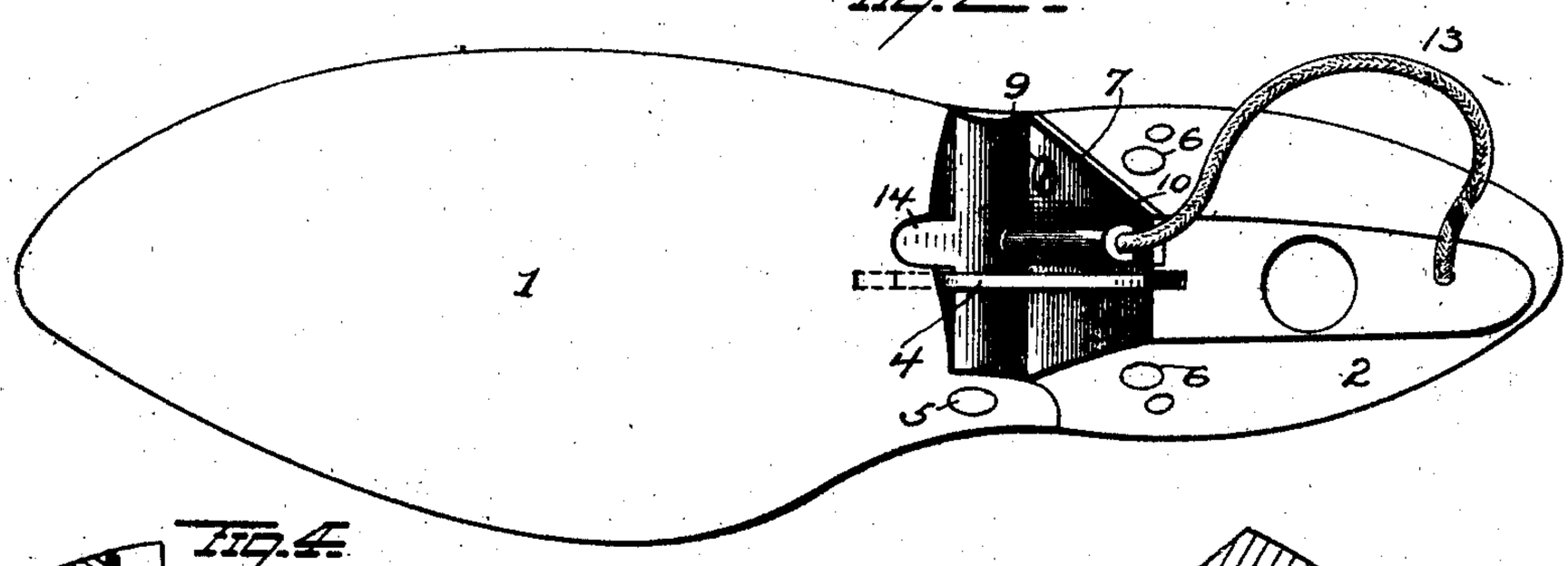

Fig. 4.

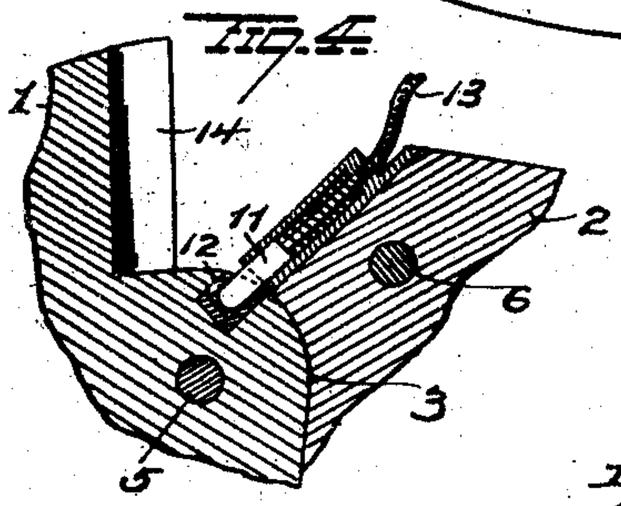

Fig. 3.

WITNESSES

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HINGED LAST.

No. 846,720. Specification of Letters Patent. Patented March 12, 1907.

Application filed February 23, 1906. Serial No. 302,503.

To all whom it may concern:

Be it known that I, FRANCIS E. BENTON, a resident of Stoughton, in the county of Norfolk and State of Massachusetts, have invented certain new and useful Improvements in Hinged Lasts; 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.

My invention relates to improvements in hinged lasts, the object of the invention being to provide improved means for locking the hinged sections of the last against movement; and the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in side elevation illustrating my improvements. Fig. 2 is a plan view, and Fig. 3 is a view in longitudinal section. Fig. 4 is a detail sectional view showing the parts locked together.

1 and 2 represent the toe and heel sections, respectively, of my improved last. The inner end of toe portion 1 is provided with a rounded enlargement 3, which fits a curved recess in heel portion 2, and both heel and toe portions are cut away to permit them to be swung on the curved engaging faces.

A metal plate or link 4 is located in alined longitudinal recesses in the toe and heel portions 1 and 2 and is made with holes to receive pins 5 and 6, respectively, in the toe and heel portions to hinge the parts together.

On the inclined inner wall of heel portion 2 a plate 7 is secured by screws 9 and provided with an integral barrel 10, in which a spring-pressed pin 11 is located and adapted when the last is in normal operative position to spring into a bushing 12, located in the rounded portion or enlargement 3 of toe 1, and securely lock the parts in this position against possibility of independent movement. A cord 13 or other operating means may be connected with pin 11 to draw it out of bushing 12 and permit the parts to hinge, and in so doing the rounded end of pin 11 will ride over the curved enlargement, and the barrel 10 will enter a recess 14 in toe portion 1 to allow the last the maximum hinged movement. The pin will ride over the rounded or curved enlargement 3 and spring into locked position when the last reaches its operative position.

A great many slight changes might be made in the general form and arrangement of the parts described without departing from my invention, and hence I would have it understood that I do not restrict myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

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

1. A hinged last, comprising toe and heel portions, a curved enlargement on the toe portion to fit a curved recess in the heel portion, a link pivotally connecting the heel and toe portions, a spring-pressed pin on the heel portion and a bushing in the curved enlargement to receive the pin.

2. A hinged last, comprising heel and toe portions, a curved enlargement on the toe portion the heel portion having a curved recess to receive said curved enlargement, a metal barrel secured to the heel portion, the toe portion having a recess to receive the barrel when the last members are swung together, a spring-pressed pin in the barrel, a bushing in the curved enlargement to receive the pin and lock the last in extended form, and means for withdrawing the pin from locked position.

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

FRANCIS E. BENTON.

Witnesses:
WILLIAM W. B. RISK,
MARY R. KNOWLTON.