

(No Model.)

E. M. COLE.
LAST.

No. 543,375.

Patented July 23, 1895.

Fig. 1.

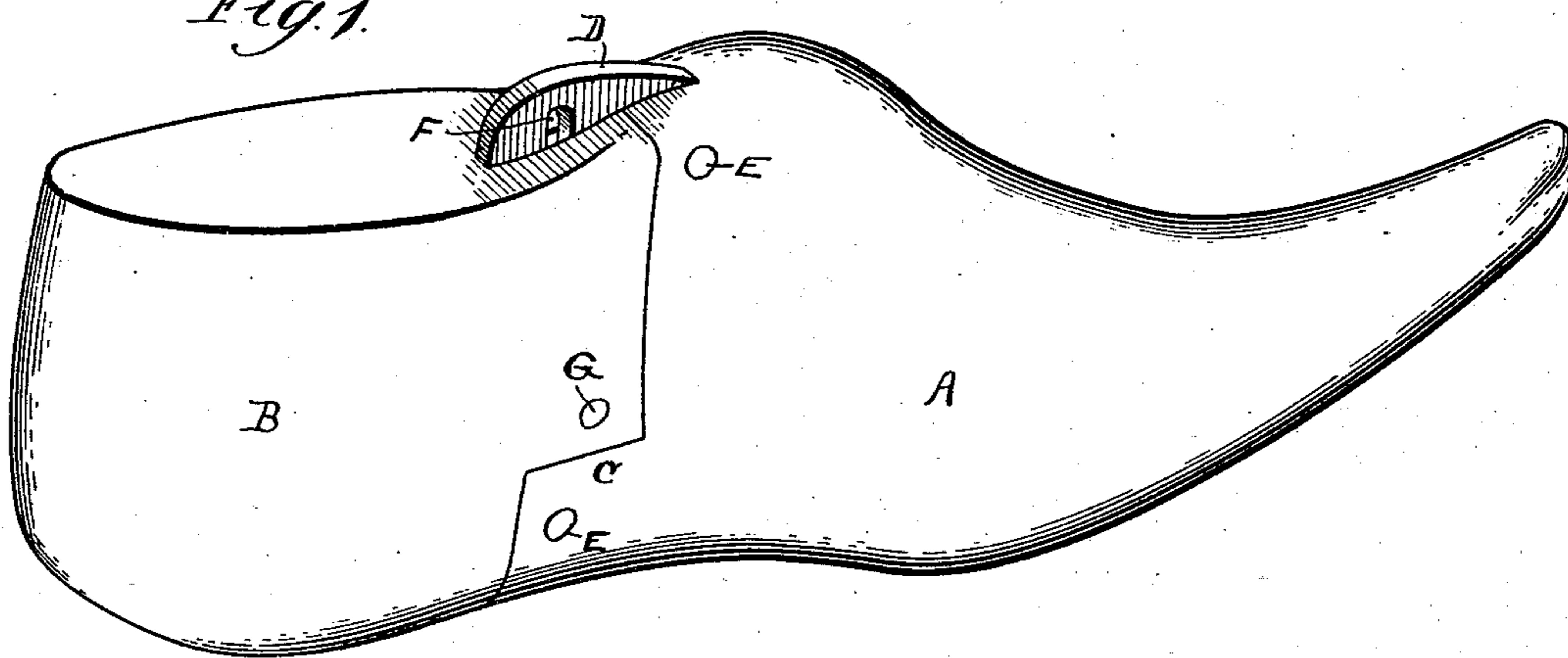


Fig. 2.

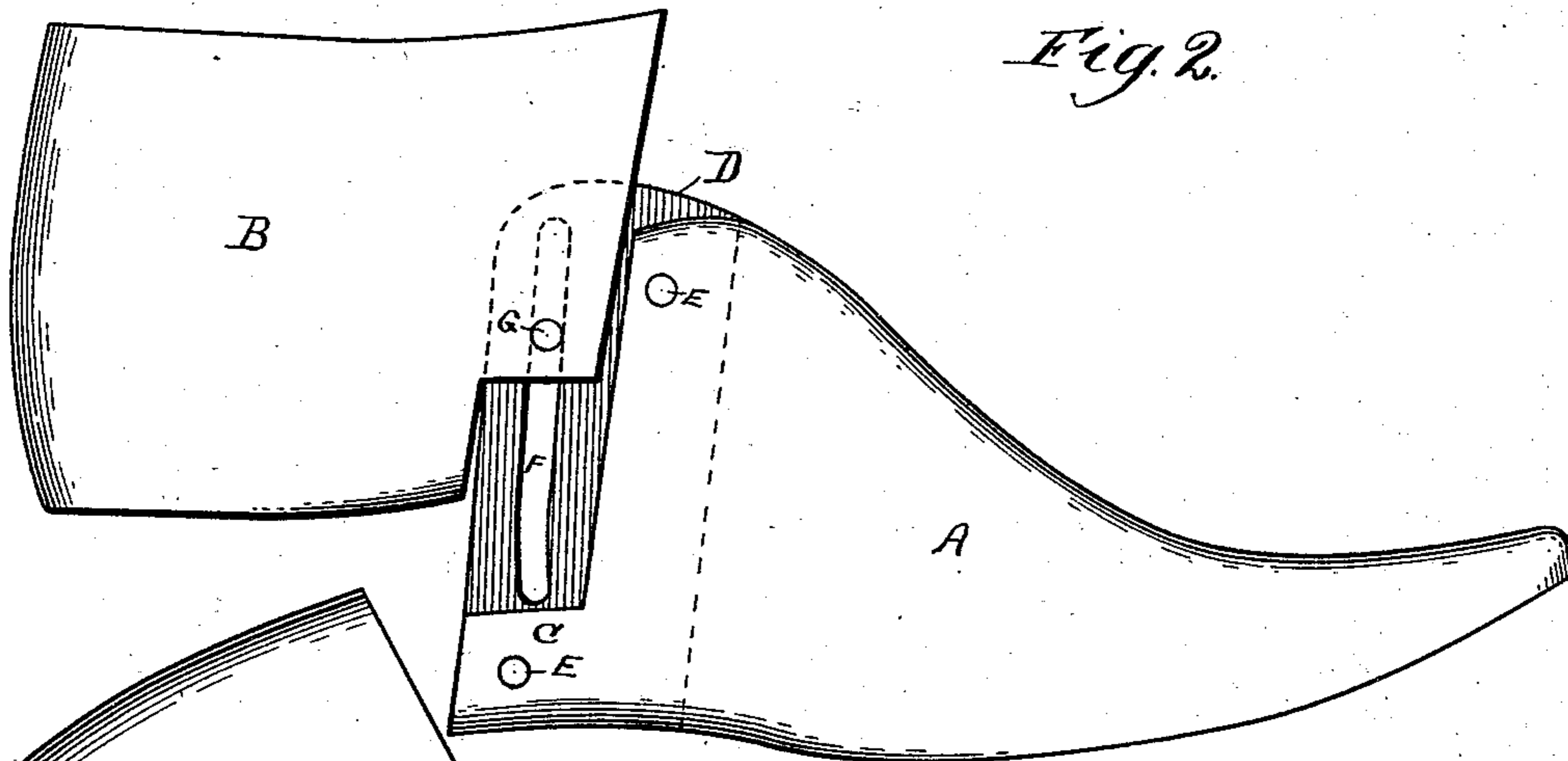
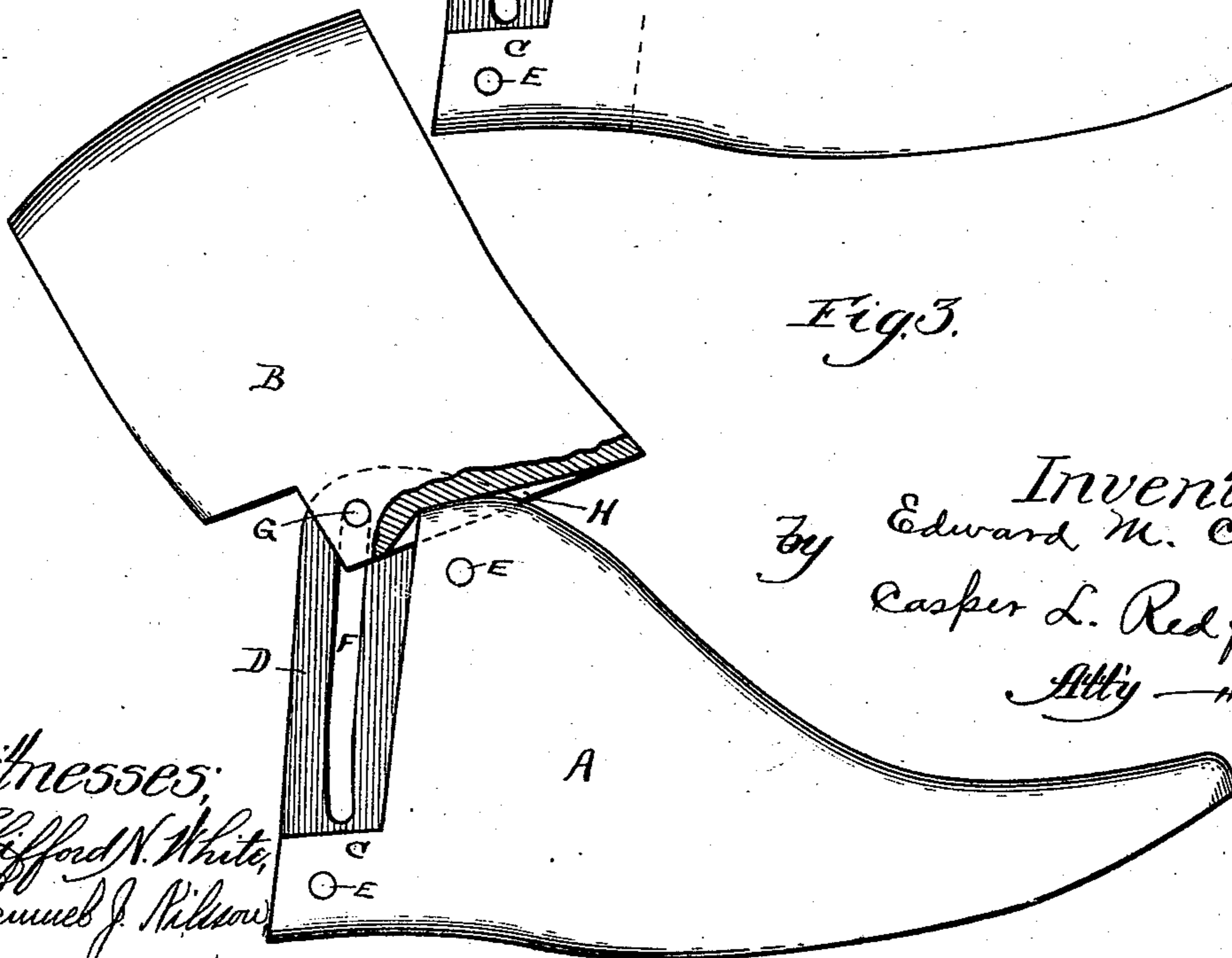


Fig. 3.



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UNITED STATES PATENT OFFICE.

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LAST.

SPECIFICATION forming part of Letters Patent No. 543,375, dated July 23, 1895.

Application filed October 10, 1894. Serial No. 525,453. (No model.)

To all whom it may concern:

Be it known that I, EDWARD M. COLE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Lasts, of which the following is a specification.

My invention relates to lasts made in two sections permanently secured together, and has for its object a form of construction that will make the last self-locking when closed and contracting when being opened.

In the accompanying drawings, Figure 1 shows the last closed and the parts locked together. Fig. 2 shows the heel-section partially raised and freed from the fore-part section, and Fig. 3 shows the same entirely raised and tipped forward.

The last consists, primarily, in a fore-part section A and a heel-section B. The line of intersection between the two parts is inclined, with the upper part toward the toe and the lower part toward the heel, and has an offset in it near the bottom, leaving a ledge or projection C that is part of the fore-part section A. A tongue D is secured in the section A by means of the pins E and is provided with a slot F that also has its upper part inclined to the front, but to a slightly-less extent than the line of intersection between the two parts. The slot F may be made straight, but is preferably given a slight curve that is shown somewhat exaggerated in the drawings.

The heel-section B is provided with a slot for the reception of the tongue D and has a pin G that passes through the slot F in said tongue. It is also provided with a recess (shown at H in Fig. 3) for permitting the part B to tilt forward on the part A without cutting away any of the upper portion of the said fore-part section.

The relationship of the slot F, the pin G, and the line of intersection between the two parts is such that when the heel-section is pushed down into the position shown in Fig. 1 the two parts are firmly wedged together

and can only be separated by exerting force. The ledge C on the fore-part section prevents the heel-section from being forced down too far and the two parts from being so firmly wedged together as to be difficult to separate. It will be obvious that by virtue of the inclination of the slot F and the line of intersection toward each other at the bottom any raising of the heel-section from its locked position will free the parts from each other and permit said heel-section to be freely raised to its extreme height. It will also be obvious that by virtue of the slot F inclining with its upper part toward the front the raising of the heel-section will cause the last to contract in the direction of its length and permit its easy removal from the shoe.

What I claim is—

1. In lasts consisting of two parts inseparably secured together but permitting one part to have a limited movement in relationship to the other part, an inclined line of intersection between the said parts, and means whereby the movement required to bring the parts into a position corresponding to a uniform last will cause the two parts to be locked securely together.

2. In a two-part last, one part of which has a limited movement on the other part, an inclined line of intersection between the said parts, along which the said movement occurs, and means for guiding said movement so that at its extreme the said parts will be wedged together.

3. In a two-part last having an inclined line of intersection provided with an offset therein, devices for connecting the two parts together and permitting one part to have a limited movement on the other part, and means for directing the course of this movement so as to cause the two parts to be wedged together when they are in a position conforming to a uniform last.

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Witnesses:

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