

J. B. Johnson.

Shaping the Soles of Boots & Shoes.

Nº 71495

Patented Nov. 26, 1867.

Fig. 4.

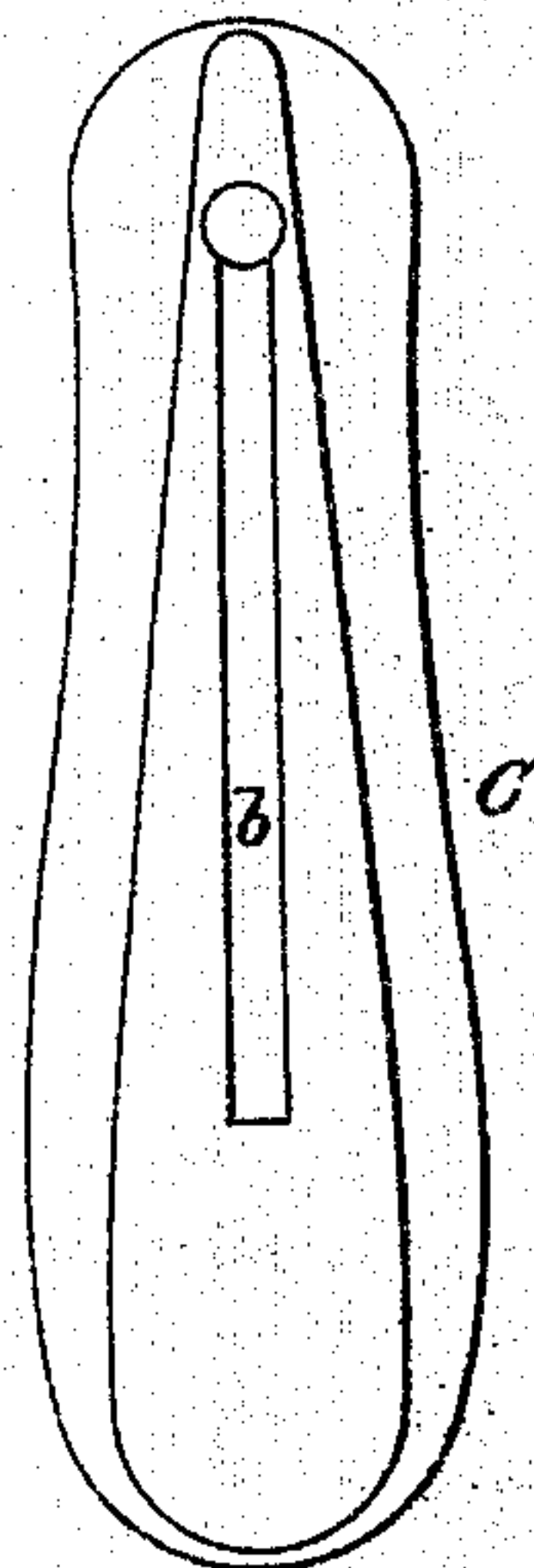


Fig. 2.

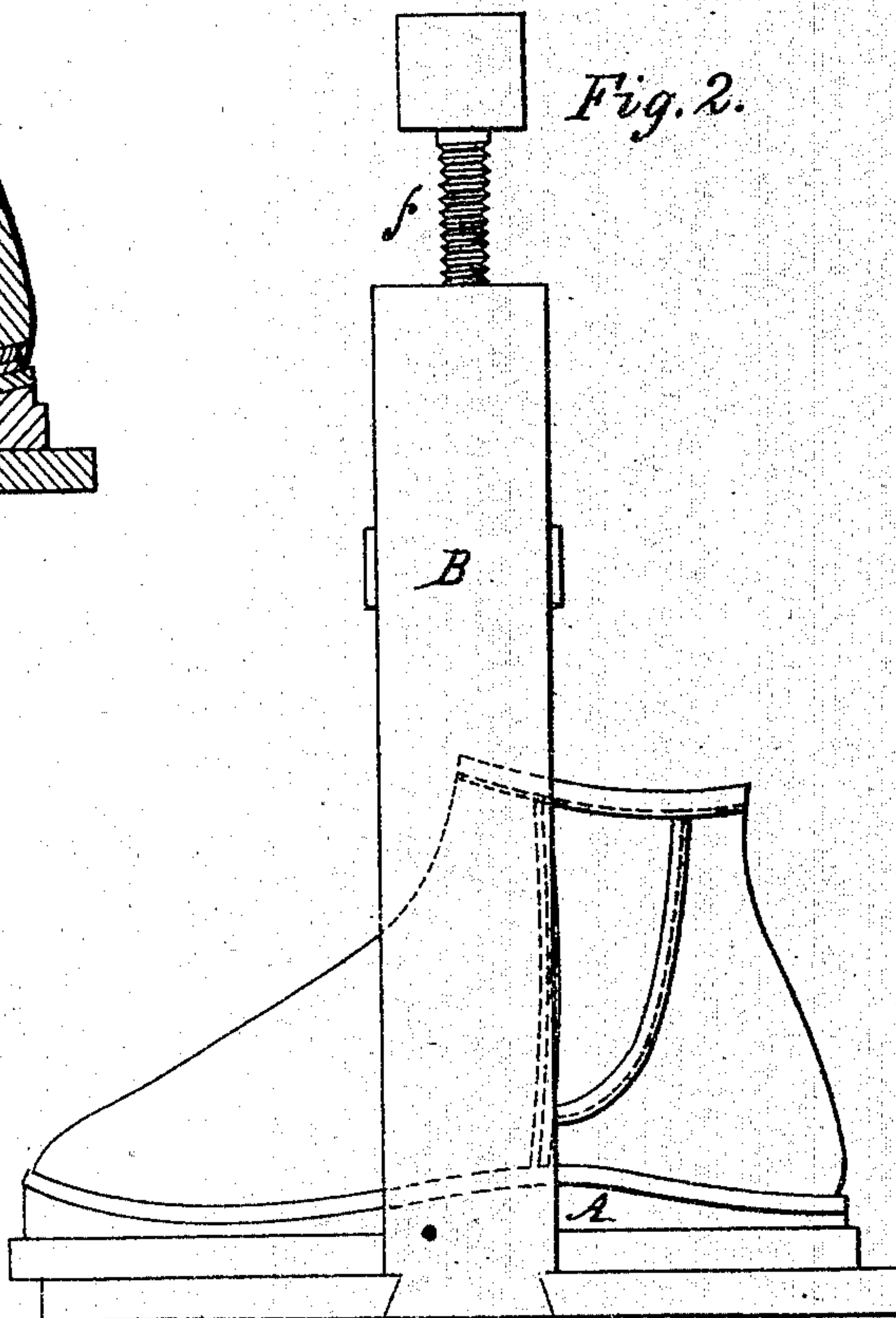


Fig. 1.

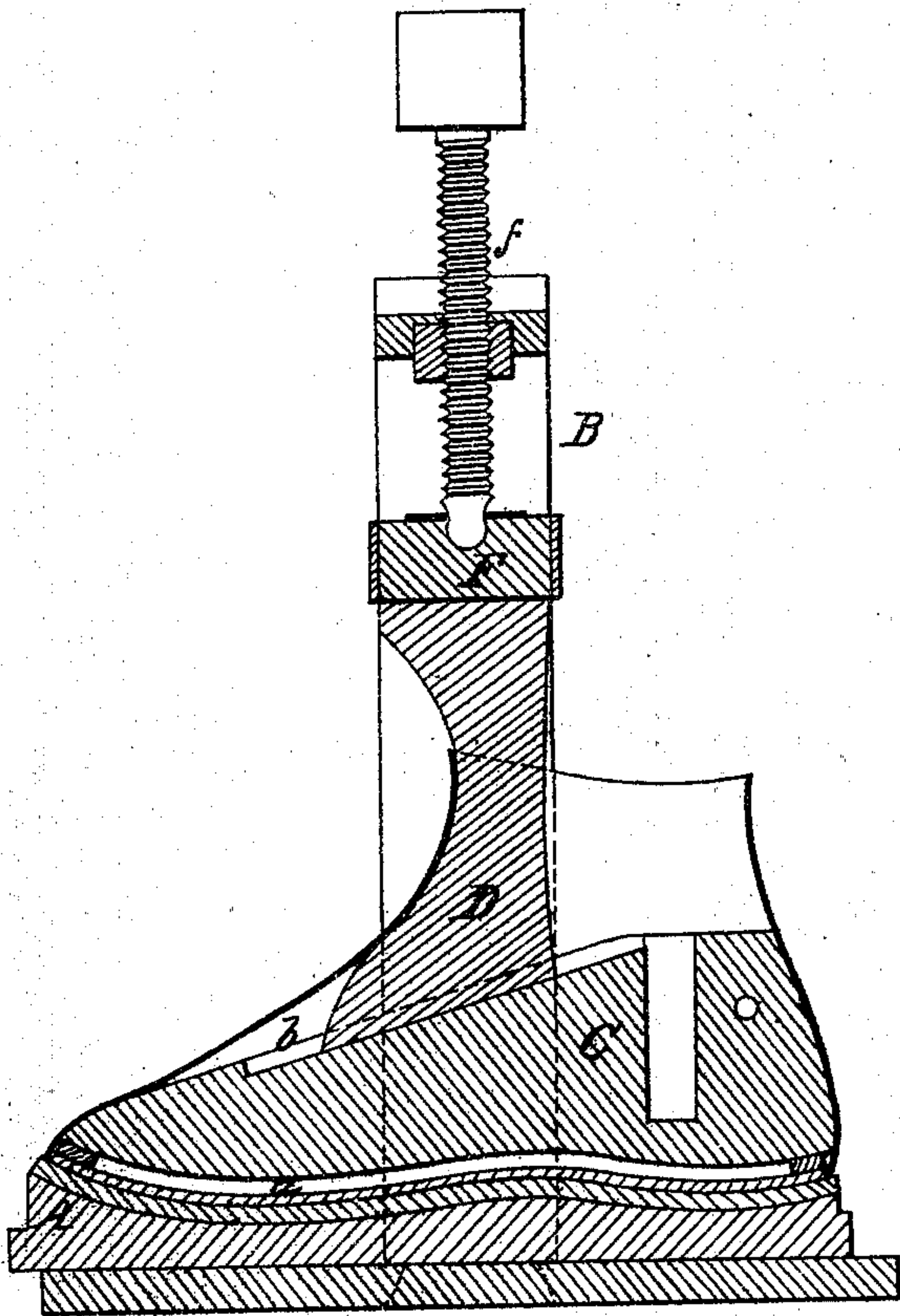
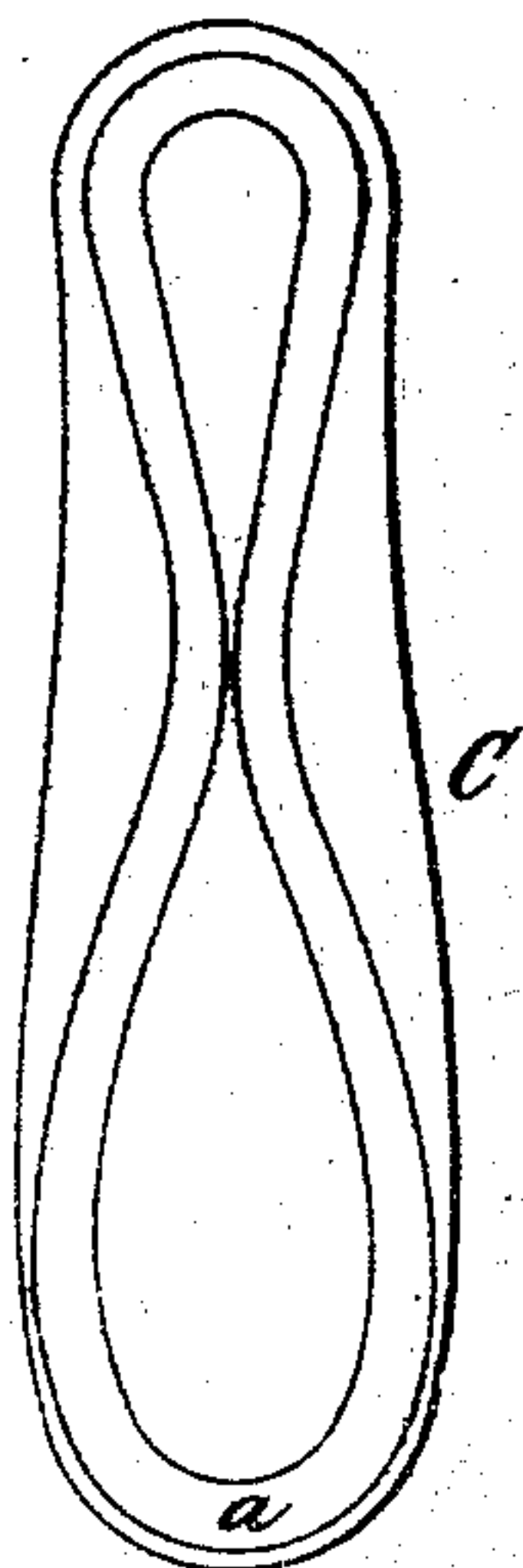


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOSEPH B. JOHNSON, OF LYNN, MASSACHUSETTS.

IMPROVEMENT IN SHAPING THE SOLES OF BOOTS AND SHOES.

Specification forming part of Letters Patent No. **71,495**, dated November 26, 1867.

To all persons to whom these presents may come:

Be it known that I, JOSEPH B. JOHNSON, of Lynn, in the county of Essex and State of Massachusetts, have invented a new and useful Improvement in Shaping Shoe-Soles after their fixation to their uppers; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 denotes a vertical section of a sole-mold and a press, with a shoe and its elastic last applied thereto. Fig. 2 is an elevation of the same. Fig. 3 is a bottom view of the last, with its elastic bottoming. Fig. 4 is a top view of the said last.

The common mode heretofore practiced for shaping the sole of a shoe, after such sole may have been sewed to the upper, has been to last the shoe and hammer the sole into conformity with the bottom of the last. This is a process requiring care and skill on the part of the workman. I accomplish the result by different means, and to much better advantage.

I employ a mold, A, whose upper surface is the reverse of the form to be imparted to the sole. With this mold I use a screw-press, B, and a last, C, the latter being provided with an elastic bottoming, *a*. This bottoming is composed of a sheet or strip of vulcanized india-rubber, fastened to the sole of the last. The last has a groove, *b*, formed in its instep, such groove being for reception of a presser,

D, which is a standard extending from the last to the platen or slider F of the screw-press. On inserting the last in the shoe and placing the sole of the latter upon the mold, and the presser into the groove of the last, and screwing down the screw *f* of the press, the last will be forced down upon the sole of the shoe and will crowd it into the mold, the elastic bottoming of the last serving to fit the last to the irregularities of the upper face of the sole, so as to cause the whole bottom of the sole to be pressed into firm contact with the mold.

By this process the flap of the groove of the sole will be firmly and evenly pressed down upon its seat, which cannot well be effected by the hammering process. The sole and the sewing thereof will be consolidated to much better advantage than they can by the hammering process.

What I claim as my invention, for the purpose of shaping soles after being connected to their uppers, is—

1. The combination of the mold, the press, the last, and the elastic bottoming of the latter.

2. I also claim the combination of the presser with the press, the mold, and the last and its elastic bottoming, as set forth.

JOSEPH B. JOHNSON.

Witnesses:

R. H. EDDY,
SAMUEL N. PIPER.