

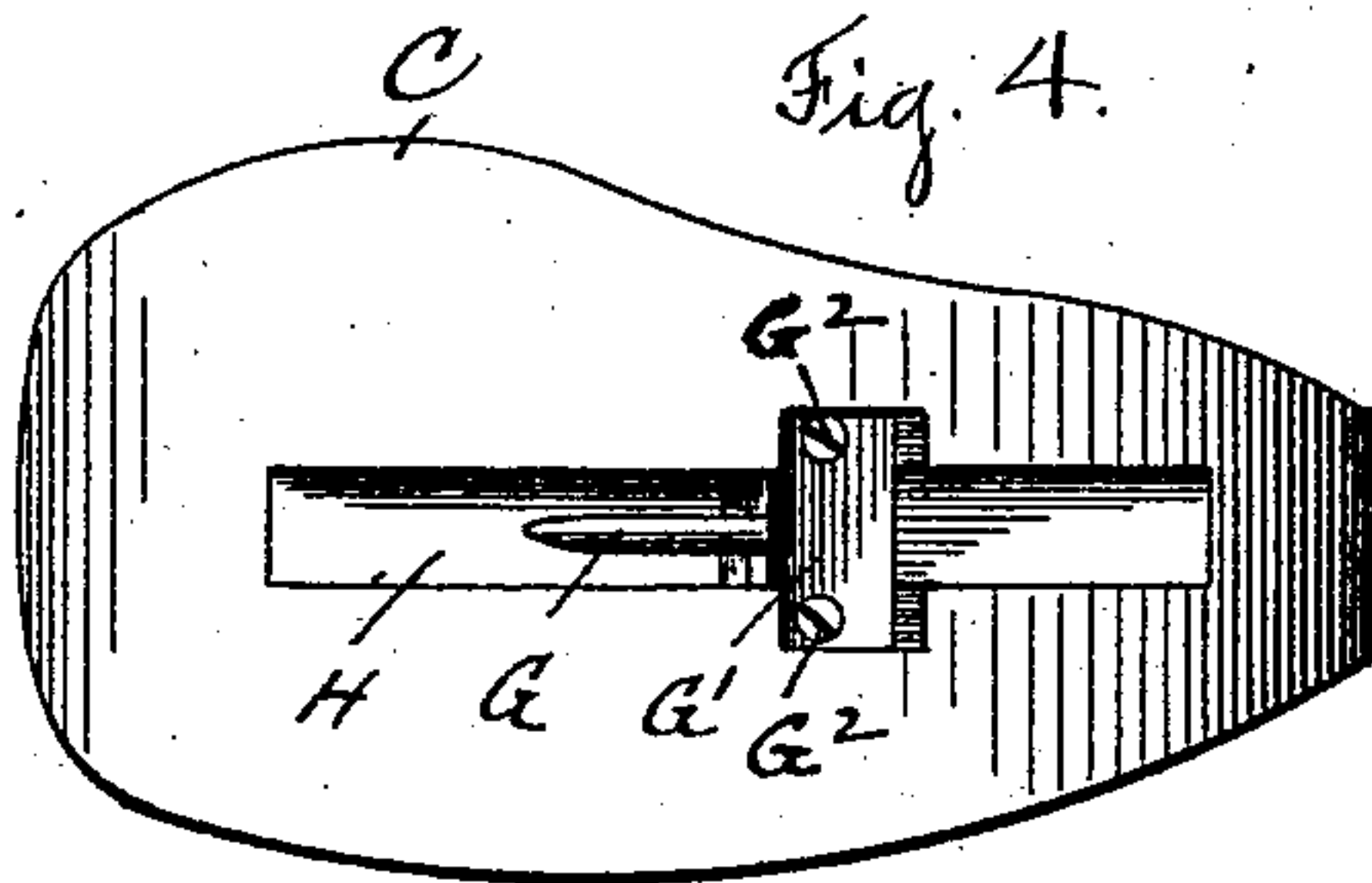
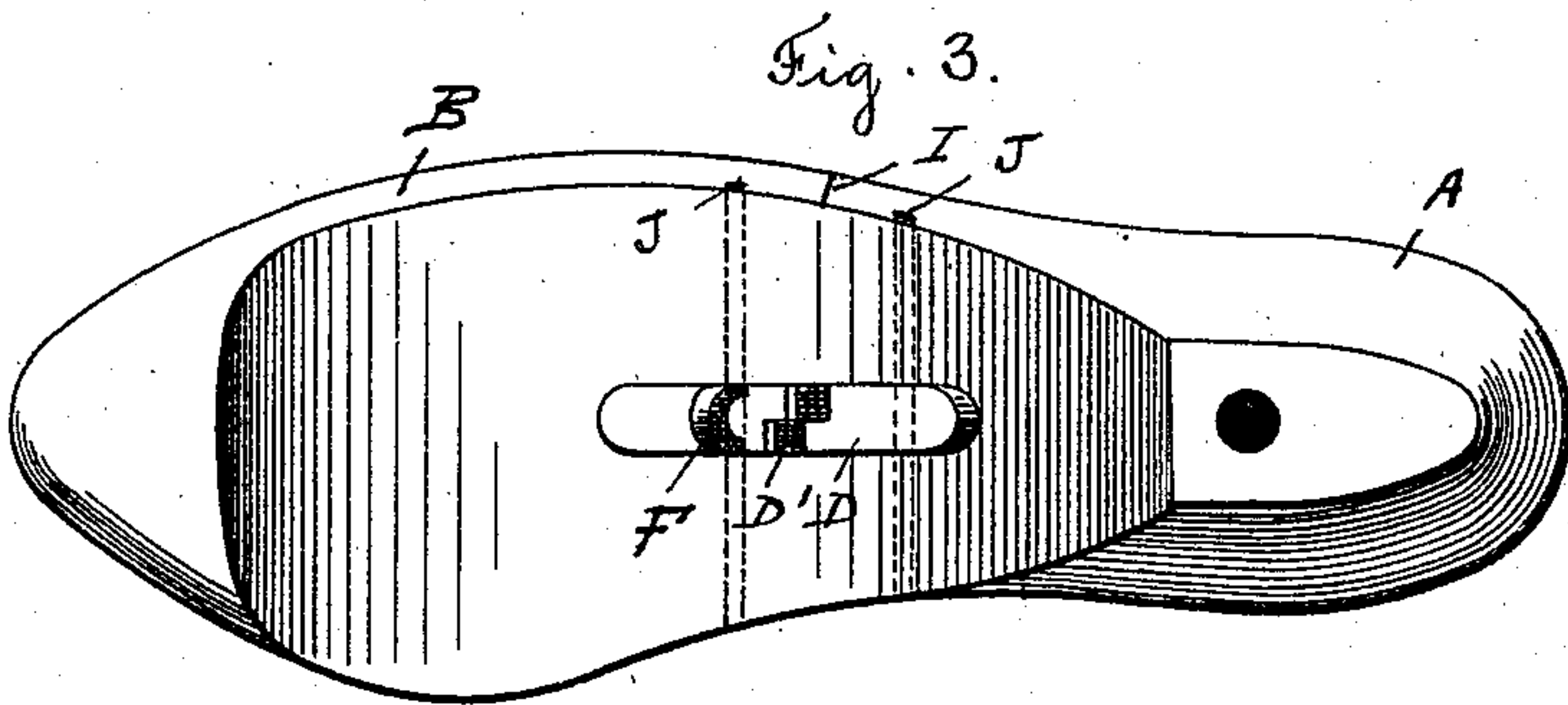
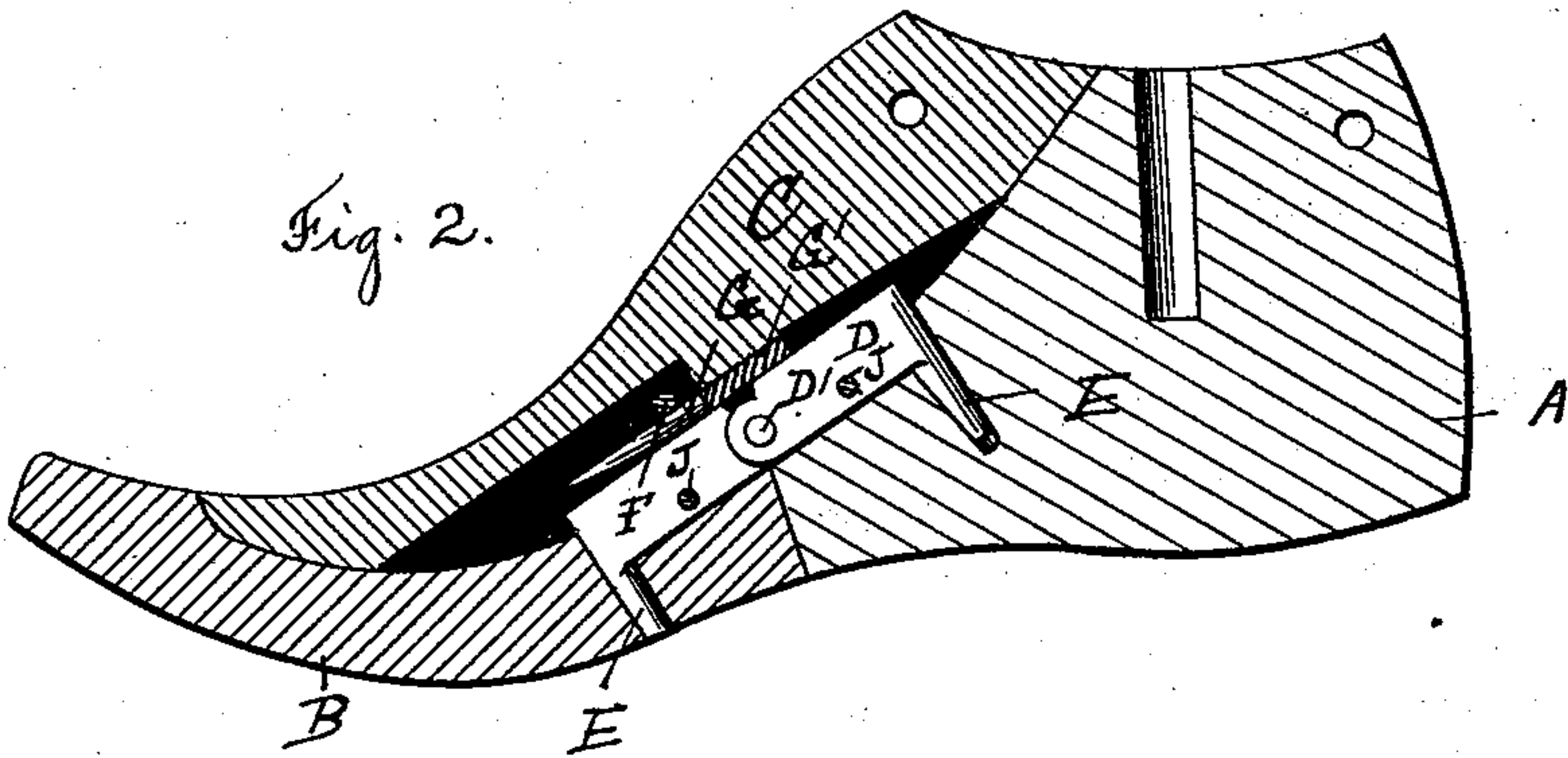
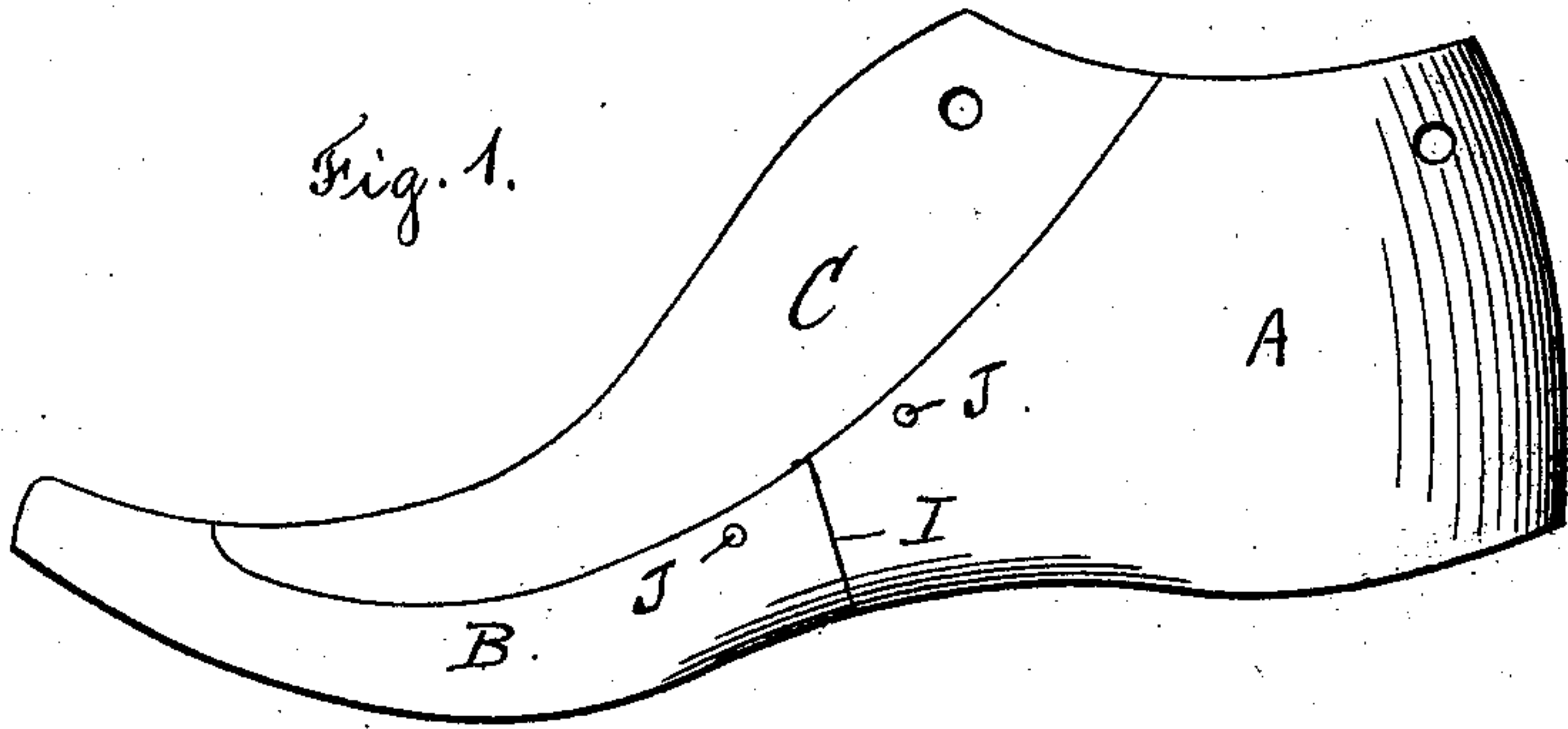
(No Model.)

2 Sheets—Sheet 1.

H. TRINDER.
LAST.

No. 501,699.

Patented July 18, 1893.



Witnesses
Chas. F. Schuch
Emma Specter

Inventor
Henry Trinder,
By his Attorney
Rufus B. Fowler

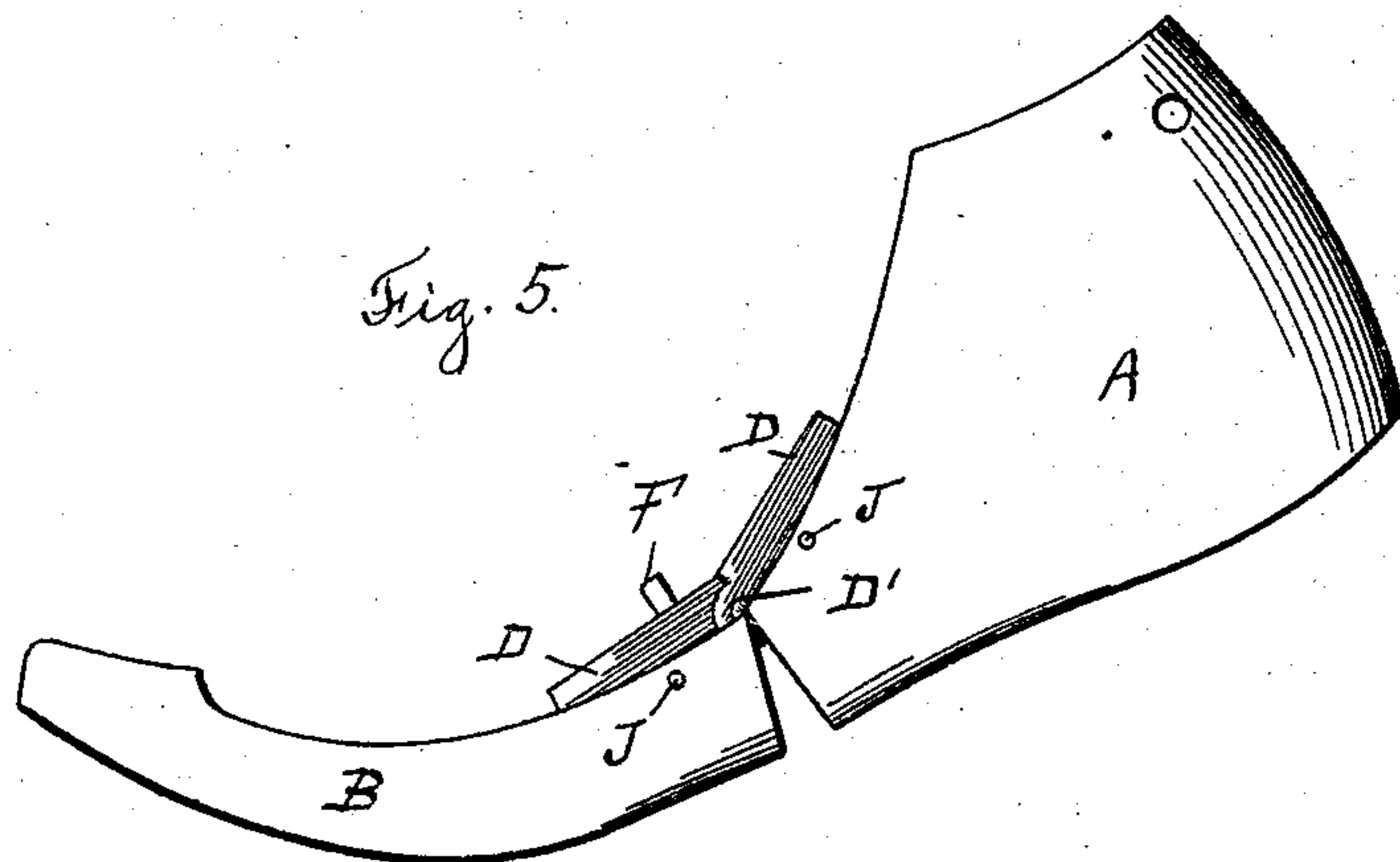
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2 Sheets—Sheet 2.

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UNITED STATES PATENT OFFICE.

HENRY TRINDER, OF WORCESTER, MASSACHUSETTS.

LAST.

SPECIFICATION forming part of Letters Patent No. 501,699, dated July 18, 1893.

Application filed May 11, 1892. Serial No. 432,613. (No model.)

To all whom it may concern:

Be it known that I, HENRY TRINDER, a citizen of the United States, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented a new and useful Improvement in Lasts, of which the following is a specification, reference being had to the accompanying drawings, forming a part of the same, and in which—

Figure 1 represents a side view of a last embodying my improvement. Fig. 2 is a central vertical sectional view of the same. Fig. 3 is a top view of the last with the block removed. Fig. 4 is a view of the under side of the block and Fig. 5 is a side view of the last with the block removed and showing the position assumed by the last as it is being withdrawn from the boot.

Similar letters refer to similar parts in the different figures.

My invention relates to an improvement in lasts and it has for its object, to provide a last which can be readily withdrawn from the boot, or shoe.

Referring to the drawings, A denotes the heel section and B the toe section, together forming the body of the last and C the block; the body of the last and block C being of the usual form of lasts now in common use. The body of the last formed of the separate sections A and B are united by bar D provided with a hinge-joint D' at its center and at each end with the prongs E, E, entering holes in the heel and toe sections of the last. The bar D is provided with a stirrup F, to receive the prong G, provided with a flattened head G', which is attached to the block C by screws G². The under side of the block C is provided with a groove H, in order to receive the bar D, and the prong G is attached to the block C in suitable position to pass through the stirrup F, and rest upon the upper edge of the bar D when the block C is placed in position

so the prong G will bear upon both sections of the hinge bar and hold the heel and toe sections A and B in close contact at I making the body of the last rigid when the block C is in position. By removing the block C and withdrawing the last from the boot, by the heel section in the usual manner the body of the last will open at I, thereby shortening its length and allowing the heel section to be slightly raised before the toe section B is started. I have shown the bar D as fastened in position by wires J, J, extending through the body of the last; but other methods can obviously be employed for attaching the hinged bar to the body of the last.

I am aware that lasts have heretofore been made in sections to enable them to be more readily withdrawn from the boot, and also that the sections of a last have been hinged together and I do not claim such broadly; but

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination in a last having heel and toe sections A and B and a block C, of a hinge bar D uniting said heel and toe sections and provided with a stirrup F and a prong G attached to said block and passing through said stirrup, whereby said block is held in position and said hinge bar is rendered rigid, substantially as described.

2. The combination in a last, of a heel section A, toe section B, hinged-bar D provided with prongs E, E, entering holes in said heel and toe sections and having a stirrup F, a block C grooved to receive said bar and a prong G attached to said block and passing through said stirrup, substantially as described.

Dated the 30th day of April, 1892.

HENRY TRINDER.

Witnesses:

HENRY P. TRINDER,
RUFUS B. FOWLER.