

(No Model.)

J. KIRWAN.

SOLE SKIVER.

No. 328,317.

Patented Oct. 13, 1885.

Fig. 1.

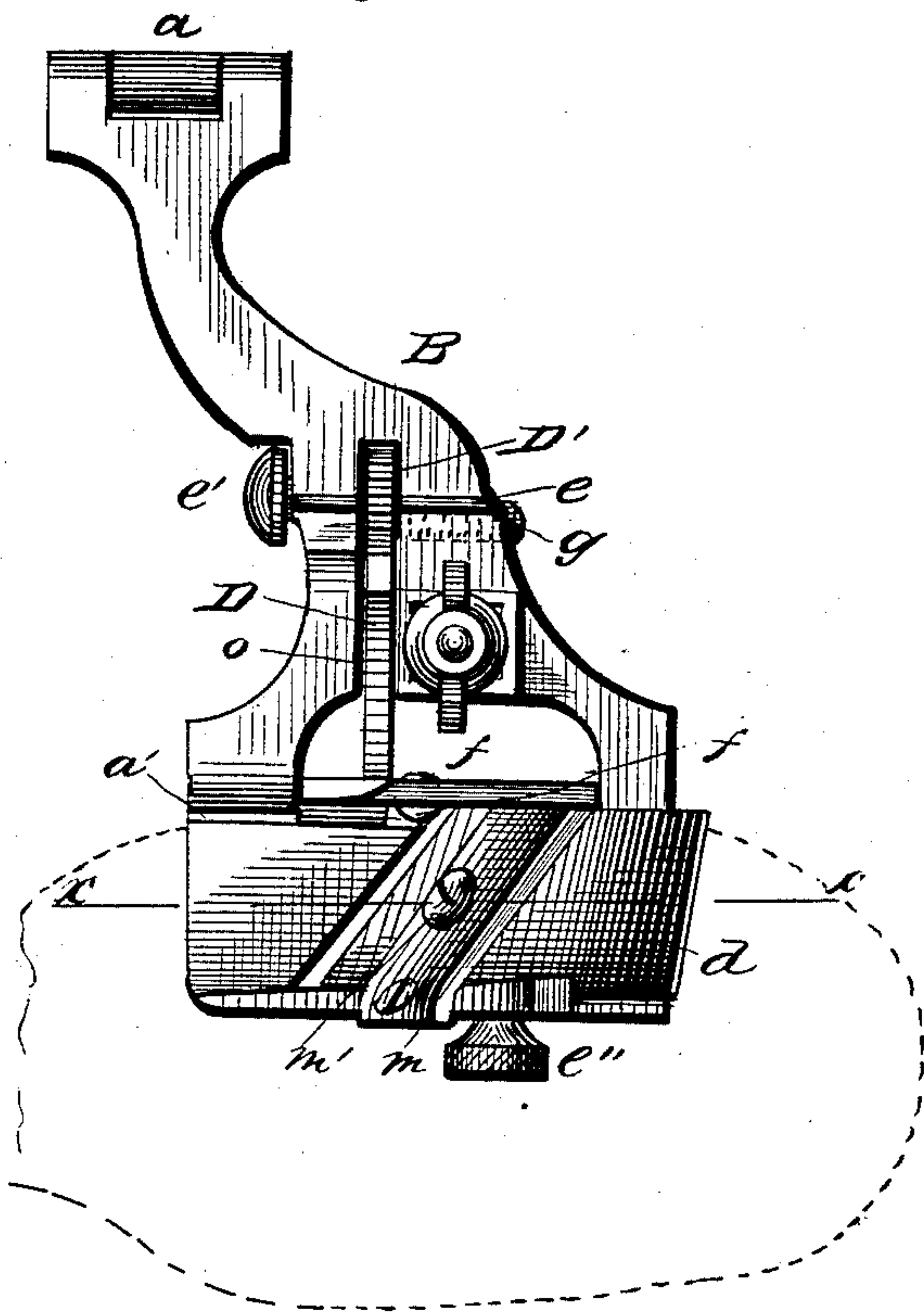


Fig. 2.

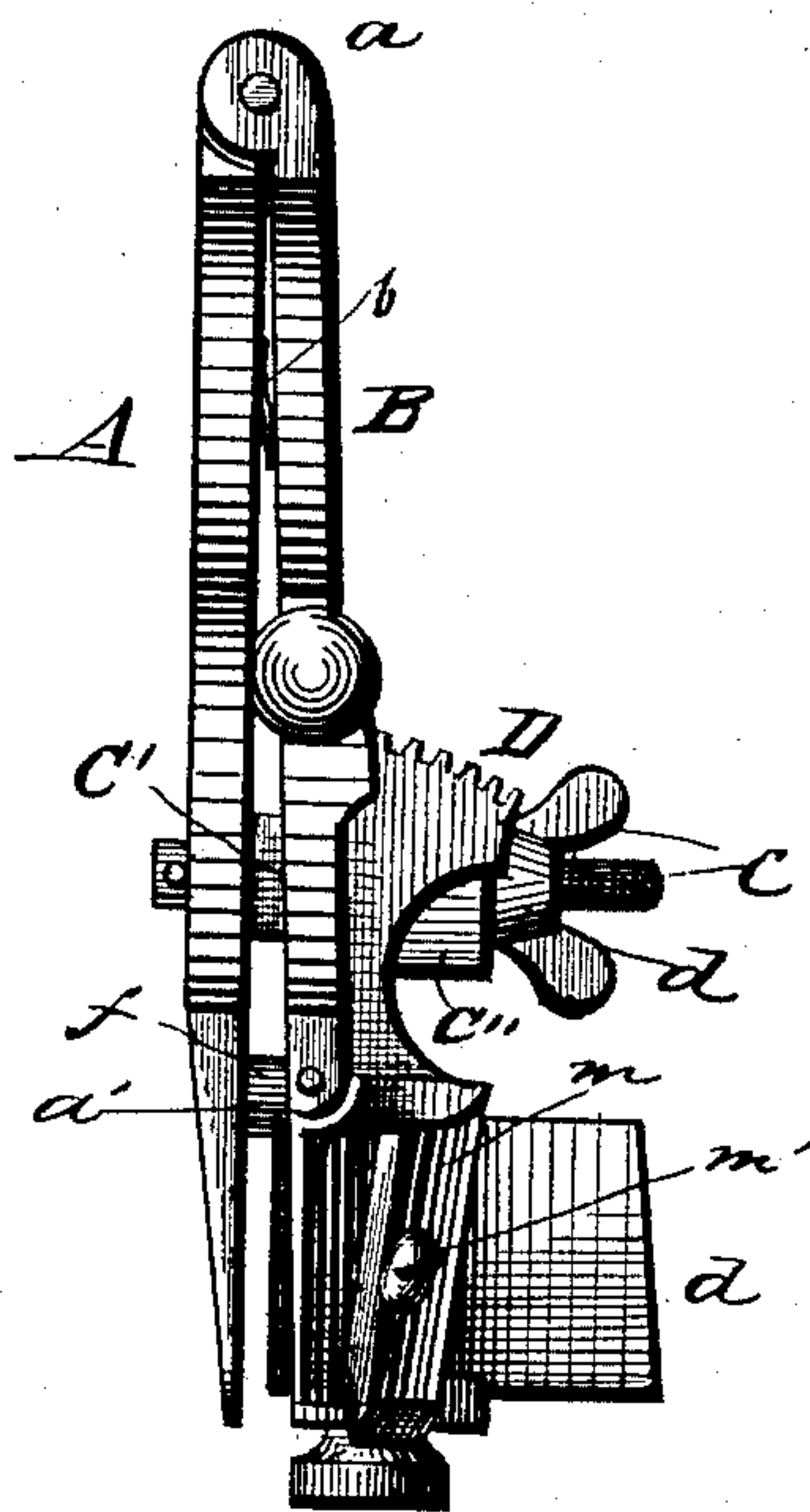


Fig. 3.

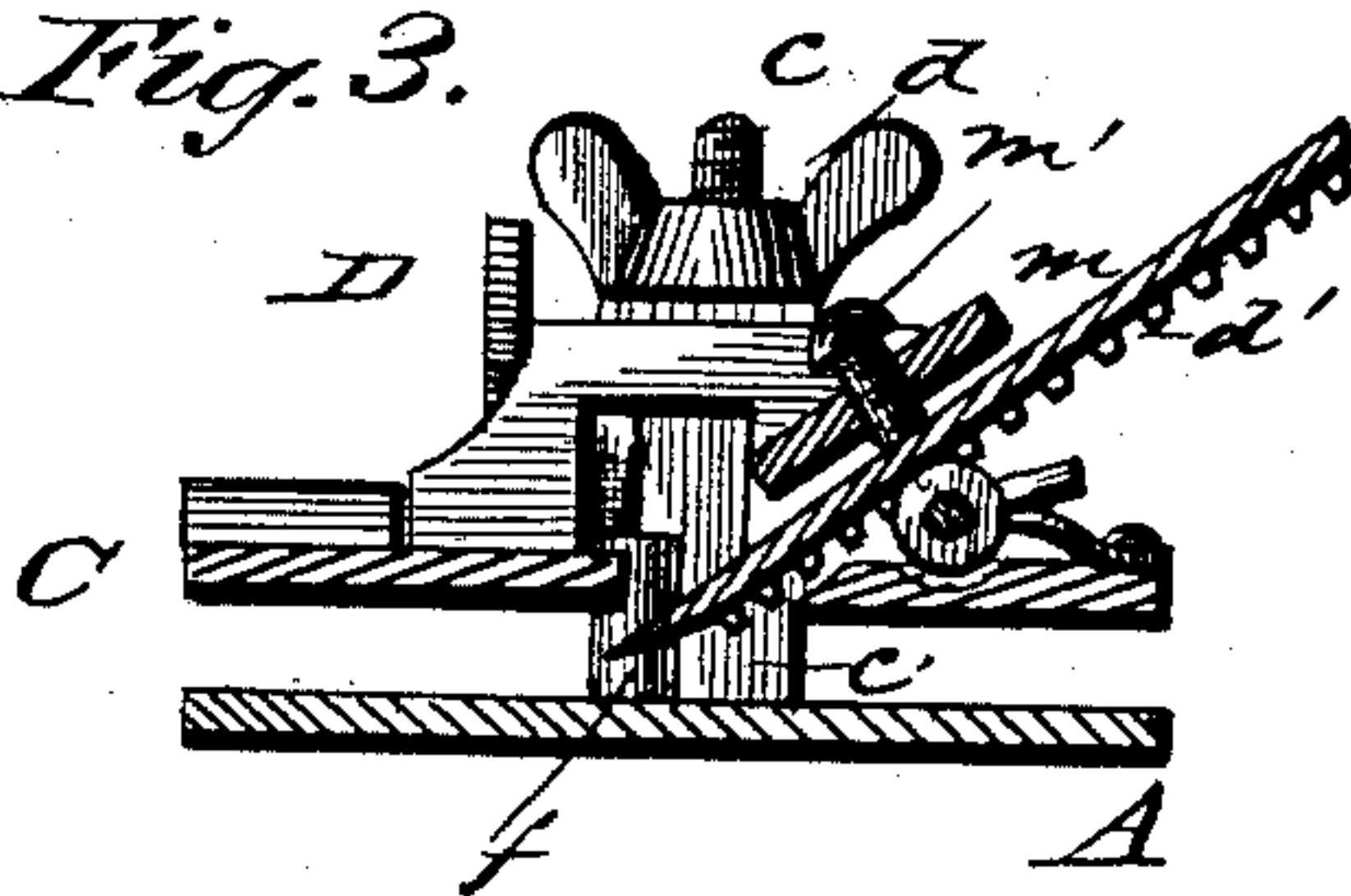
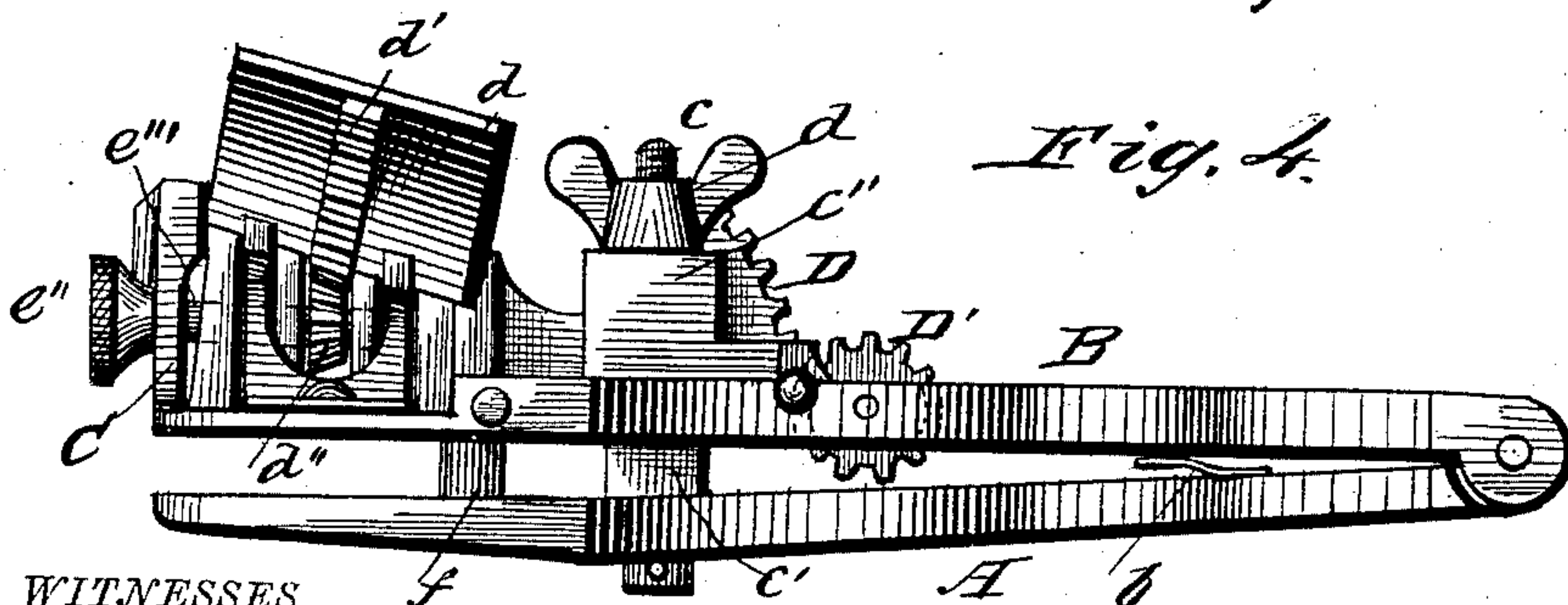


Fig. 4.



WITNESSES

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# UNITED STATES PATENT OFFICE.

JOHN KIRWAN, OF NEW YORK, N. Y.

## SOLE-SKIVER.

SPECIFICATION forming part of Letters Patent No. 328,317, dated October 13, 1885.

Application filed July 29, 1885. Serial No. 172,989. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN KIRWAN, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Sole-Skivers; 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 pertains to make and use the same.

My invention relates to tools for skiving leather, and especially to hand-tools for that purpose, the tool herein described being adapted particularly for reducing the thickness of the leather around the edge of a sole in order that said sole may have the appearance of being a thin one when in reality the main or wearing portion thereof is thick.

The invention consists in the details of construction, whereby the work referred to may be performed with facility, neatness, and precision.

In the accompanying sheet of drawings, in the different figures of which corresponding parts are designated by similar letters of reference, Figure 1 is a plan view of the device. Fig. 2 is an edge view looking toward the cutting-edge of the skiver. Fig. 3 is a section on the line *xx* of Fig. 1, and Fig. 4 is an edge view looking in the direction opposite to that described of Fig. 2.

The letters A and B designate two flat plates, having similar outline, and substantially that shown in Fig. 1, hinged together at *a*. A spring, *b*, interposed between these plates, normally tends to hold them separated, but the distance of separation is regulated by means of the screw *c*, passing through the plate A, and preferably hollow lugs or projections *c'* *c''*, on said plates A and B, and engaged at its upper end by the thumb-screw I.

The lower end of the plate B is preferably constructed as a plane-stock, C, and is hinged to the plate B at *a'*. This hinged plane or skiver is provided at one side with a toothed sector, D, extending through a longitudinal slot, *o*, Fig. 1, in the plate B, and engaged by a pinion, D', fixed on a shaft, *e*, journaled in the plate B. Said shaft is preferably provided with a milled head or other turning button, *e'*, whereby said pinion is revolved.

A set-screw, *g*, working into plate B, engages the sides of the sector and pinion to lock the same from movement when that is desired.

One or more rollers, *f*, turning on suitable pins set in the plate A, determine the width of leather to be skived.

The knife or skiver *d* is preferably made adjustable, and is therefore provided on its under side with a rack, *d'*, which is engaged by a suitable pinion, *d''*, operated by a milled or other head, *e''*, through shaft *e'''*. A bar, *m*, spans the cutter or plane frame, and has passing through it a set-screw, *m'*, which engages the upper face of the cutter or skiver to clamp it in place.

The tool having been thus constructed is operated as follows: The inclination of the hinged plane portion with relation to the plate A is regulated with great nicety by the milled turn-button, which rotates the pinion and adjusts the sector with its attached plane. The screw is then turned up against the sides of the sector, which locks them in place. The tool is then grasped at the hinged ends of the plates, which may be adapted for that purpose, and the edge of the sole or leather to be skived is placed between the plate A and the plane or skiver, when the tool, upon being drawn in the proper direction and manner, will skive or trim off the leather.

The depth to which it is desired to cut or skive is determined by the distance to which the cutter or blade projects beyond the under surface of the cutter or plane stock.

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

1. The tool herein described for skiving leather, comprising the hinged handle-plates, a cutter or plane stock hinged to one of said plates, means, substantially as described, for holding the said hand-plates in given position relative to each other, and means, substantially as described, for holding the hinged plane or cutter-stock at a given inclination with relation to its plate, substantially as described.
2. The combination of the two hinged handle-plates, a cutter or plane stock hinged to one of said plates, provided with a toothed sector engaged by a pinion in the handle-

plate, whereby it is adjusted, and a set-screw for fixing said sector in adjusted position, substantially as described.

3. In a tool comprising the hinged handle-plates, and a cutter-stock hinged to one of said plates, a spring interposed between said plates normally tending to separate the same, and means, substantially as shown and described, for limiting the distance to which said plates shall be separated, as set forth.

4. In a tool for skiving leather, comprising the hinged handle-plates, and the hinged

adjustable cutter or knife stock, the combination, with one of said plates, of a roller or guide to determine the width of the skived leather, as set forth. 15

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

JOHN KIRWAN.

Witnesses:

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