

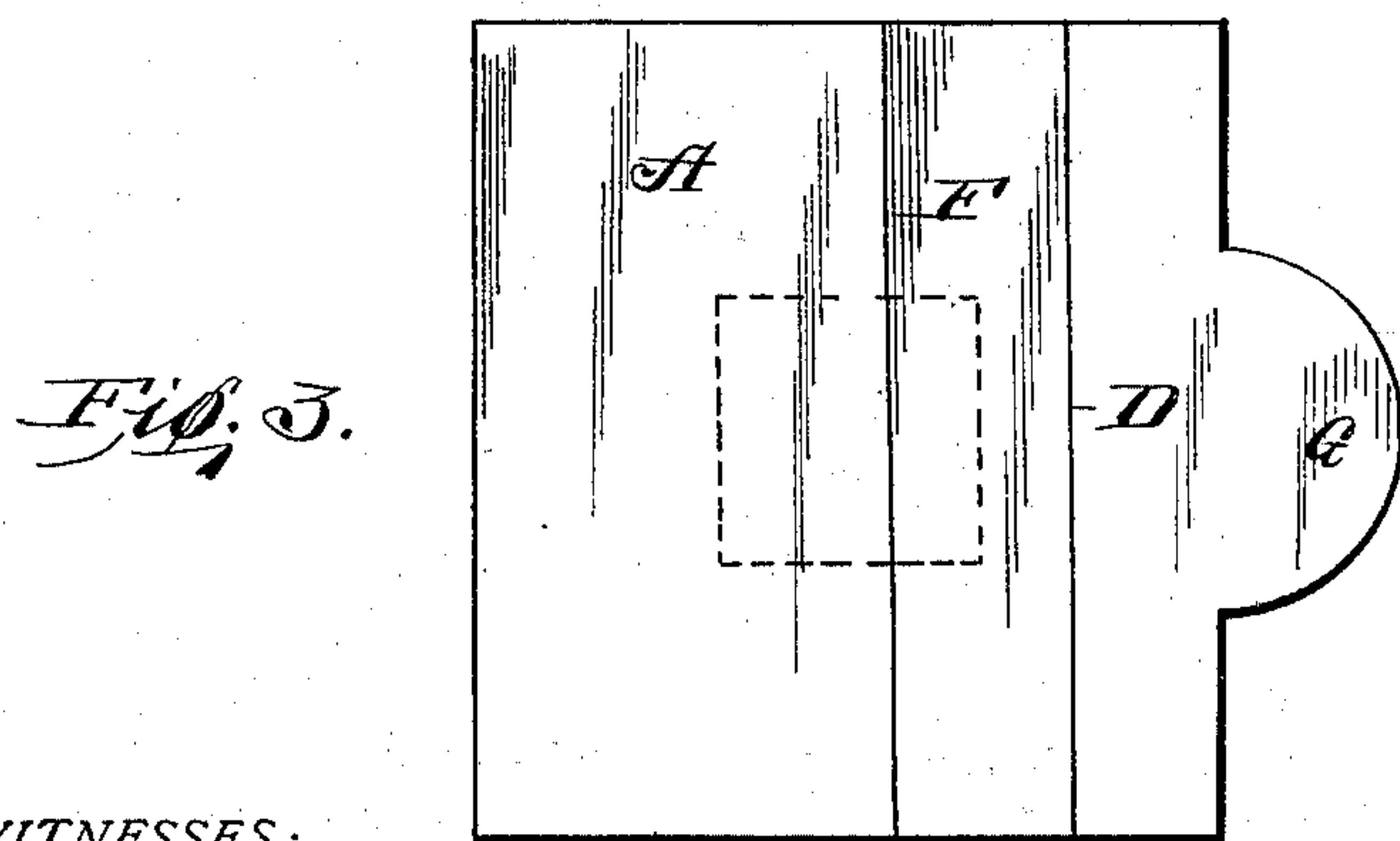
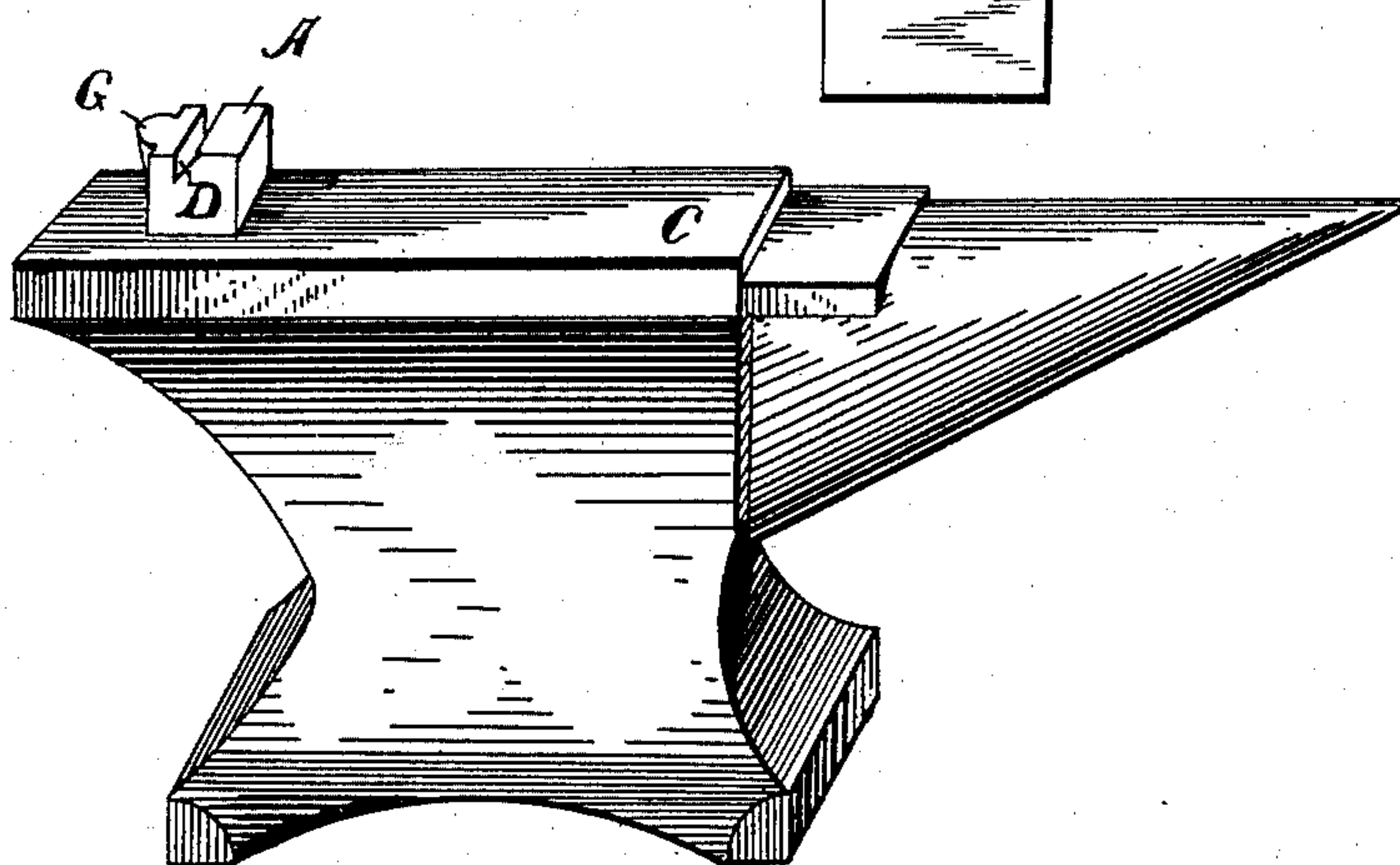
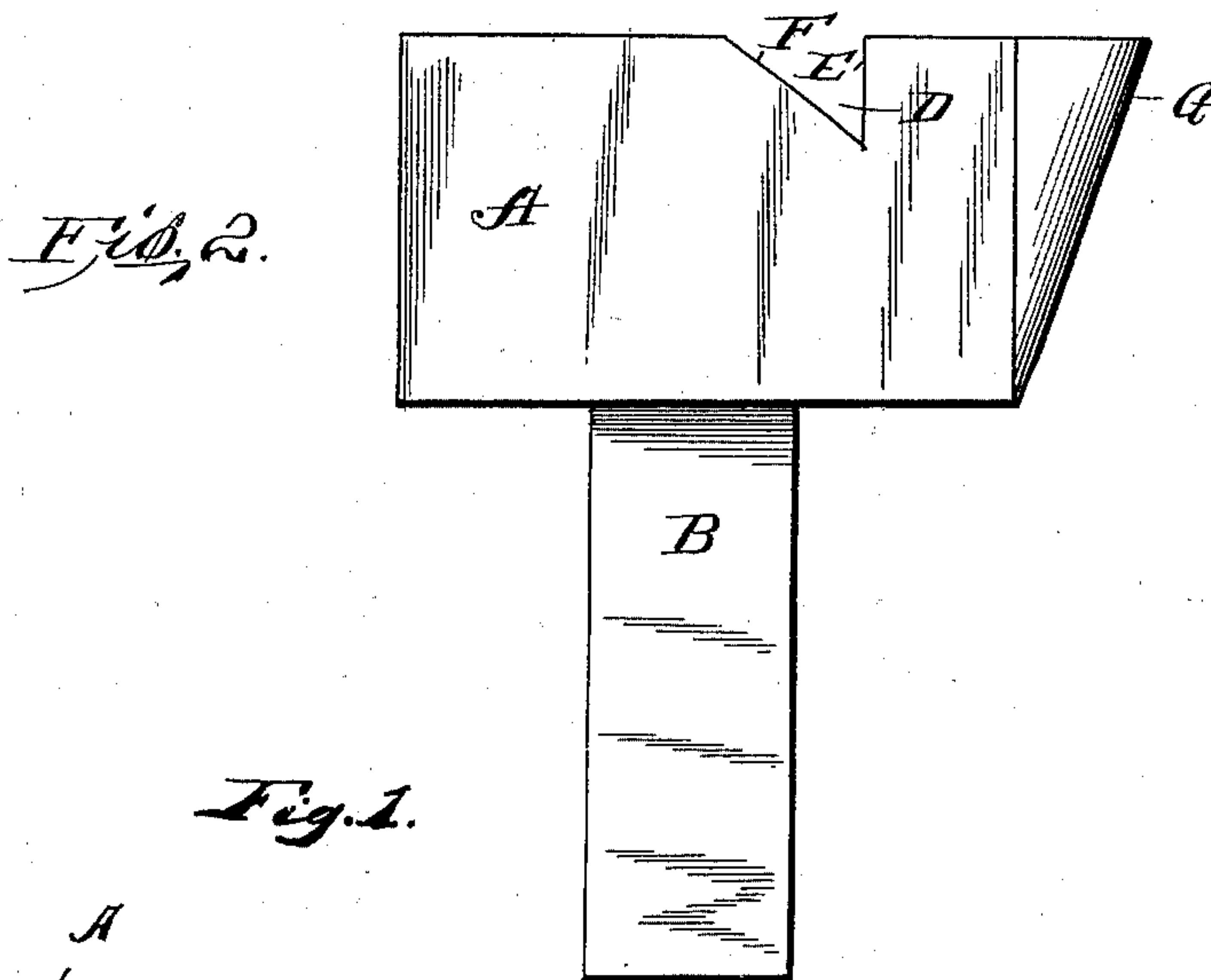
No. 750,369.

PATENTED JAN. 26, 1904.

D. C. JOY.
TOE SWAGE.

APPLICATION FILED FEB. 24, 1903.

NO MODEL.



WITNESSES:

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E. H. Dieringer

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UNITED STATES PATENT OFFICE.

DAVID CLINE JOY, OF FLINTS MILL, OHIO.

TOE-SWAGE.

SPECIFICATION forming part of Letters Patent No. 750,369, dated January 26, 1904.

Application filed February 24, 1903. Serial No. 144,687. (No model.)

To all whom it may concern:

Be it known that I, DAVID CLINE JOY, a citizen of the United States of America, and a resident of Flints Mill, county of Washington, and State of Ohio, have invented certain new and useful Improvements in Toe-Swages, of which the following is a specification.

My invention relates to new and useful improvements in toe-swages, and more particularly to a tool for horseshoers in which the toes of horseshoes are swaged into shape, and still more particularly to a combination-tool for the use of horseshoers; and it consists in the particular construction which will hereinafter be fully described.

The object of my invention is to provide a simple and convenient tool in which the toe-calks of horseshoes are swaged into shape and about which the toe-clip may be drawn out and formed.

In describing my invention in detail reference is had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of an anvil, showing also in perspective my invention mounted thereon. Fig. 2 is a side elevation of my invention, and Fig. 3 is a top plan view of the same.

In said drawings like reference-letters designate like parts throughout the several views.

Referring to said drawings, A indicates a rectangular block having an angular shank B adapted to be inserted through the ordinary opening in the rear end of an anvil C to hold said block in position. Across the face of the block A extends a longitudinal groove D, one wall, E, of said groove being preferably vertical and the other or opposite wall, F, oblique, said walls forming an acute angle at the point of intersection. The shape of said groove D is substantially that of a properly-formed toe-calk for a horseshoe.

In forming a toe-calk on a horseshoe the shoe is placed on the face of the block A with the toe metal in the groove D. Then by striking on the shoe over the calk said calk is driven into the groove, thus swaging it into the shape of said groove. On the front side of the block A is an integral lip G of substantially the shape or form shown, the upper face of which flushes with the upper face of the block. Said lip in top plan is substantially semicircular in shape, said shape being that ordinarily desired for the toe-clip. Now when the toe-calk of the shoe has been swaged into shape with said calk in the groove the heated metal at the tip of the shoe is drawn out by hammering over the edge of the lip G, and using said lip as a mold the clip is formed thereabout into its proper shape.

It will be seen from the foregoing that I provide an extremely simple and convenient tool for the use of horseshoers and that said tool is efficient for the purposes for which it is intended. Furthermore, it will be seen that various minor changes may be made in its construction and form without departing from the spirit or scope of the invention. Hence I do not wish to limit myself to the precise construction shown and described.

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

The combination with a block having means whereby it is retained in an anvil, of an integral lip carried by said block, the face of said lip being substantially semicircular in form and flushing with the face of the block.

Signed by me at Flints Mill, Washington county, Ohio, this 22d day of January, 1903.

DAVID CLINE JOY.

Witnesses:

J. B. SMITH,
ISAAC N. JOY.