

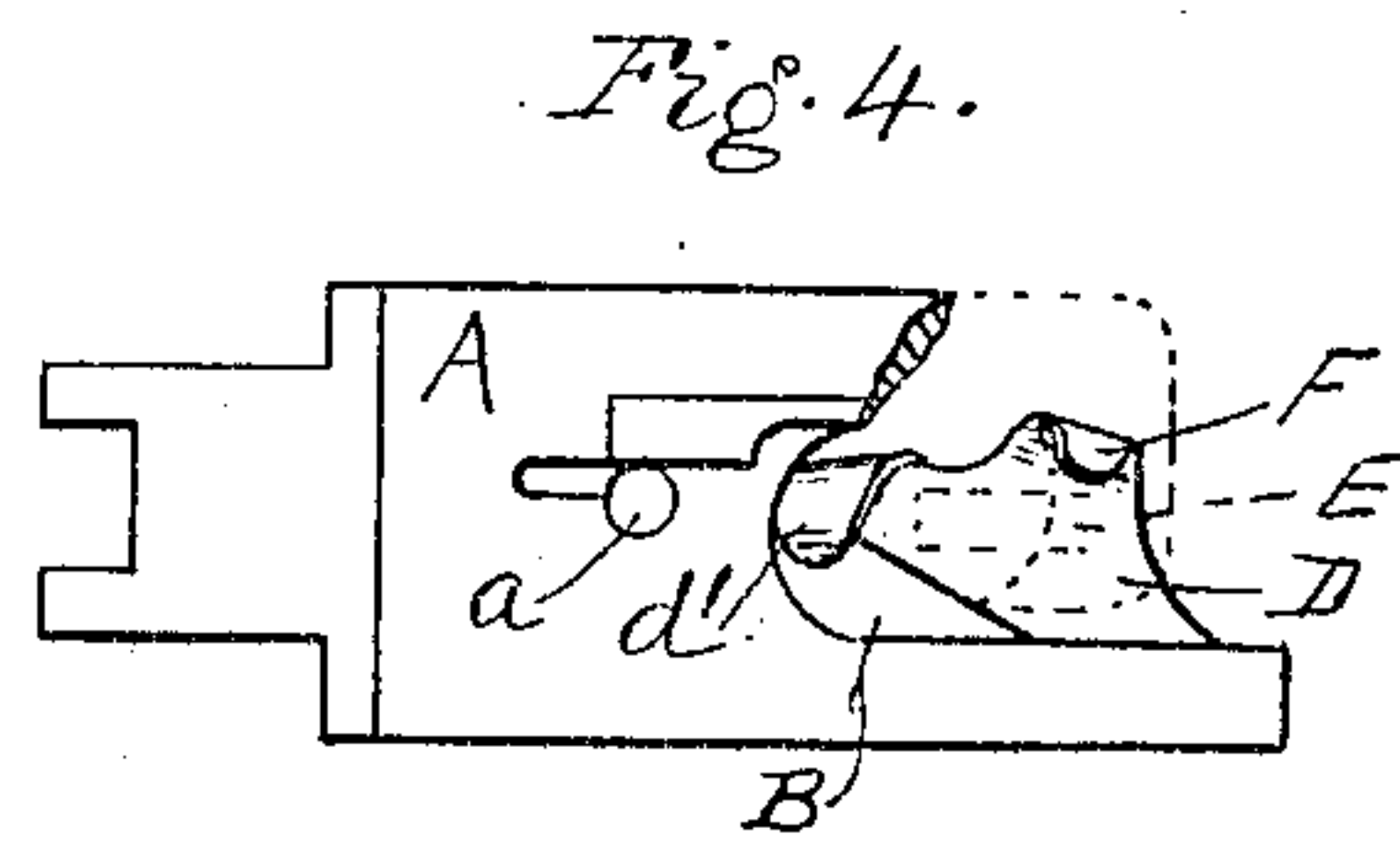
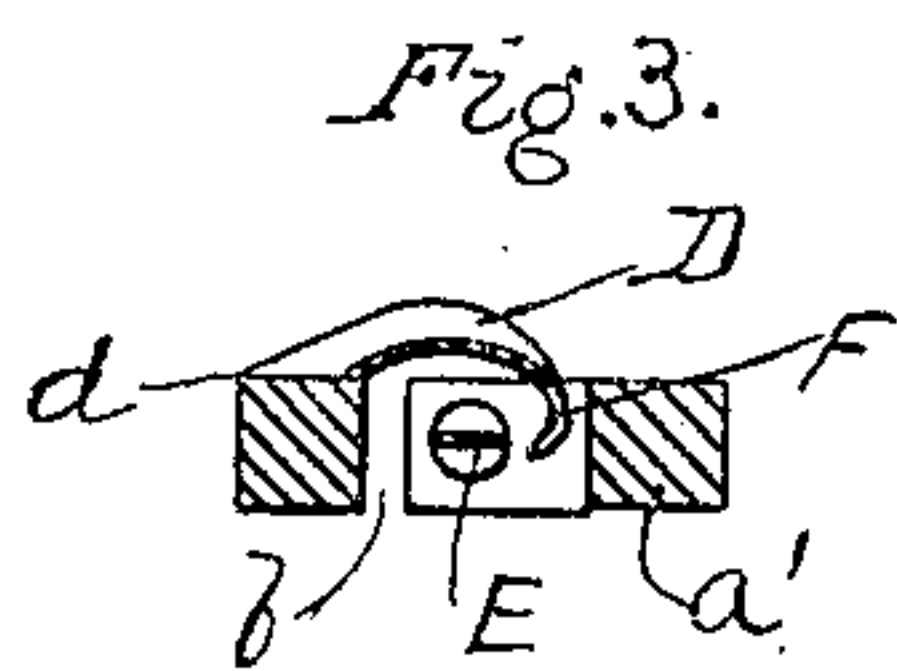
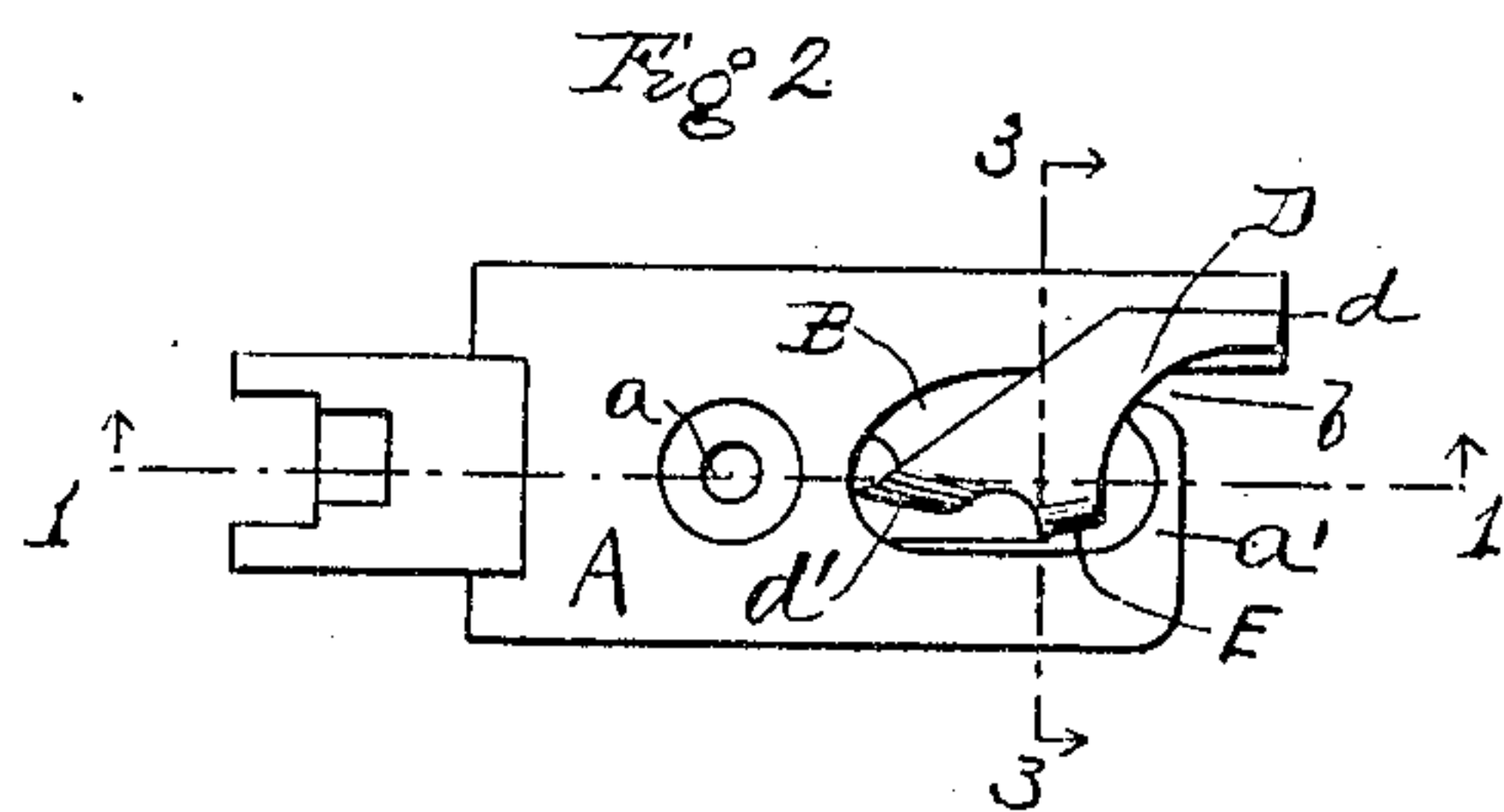
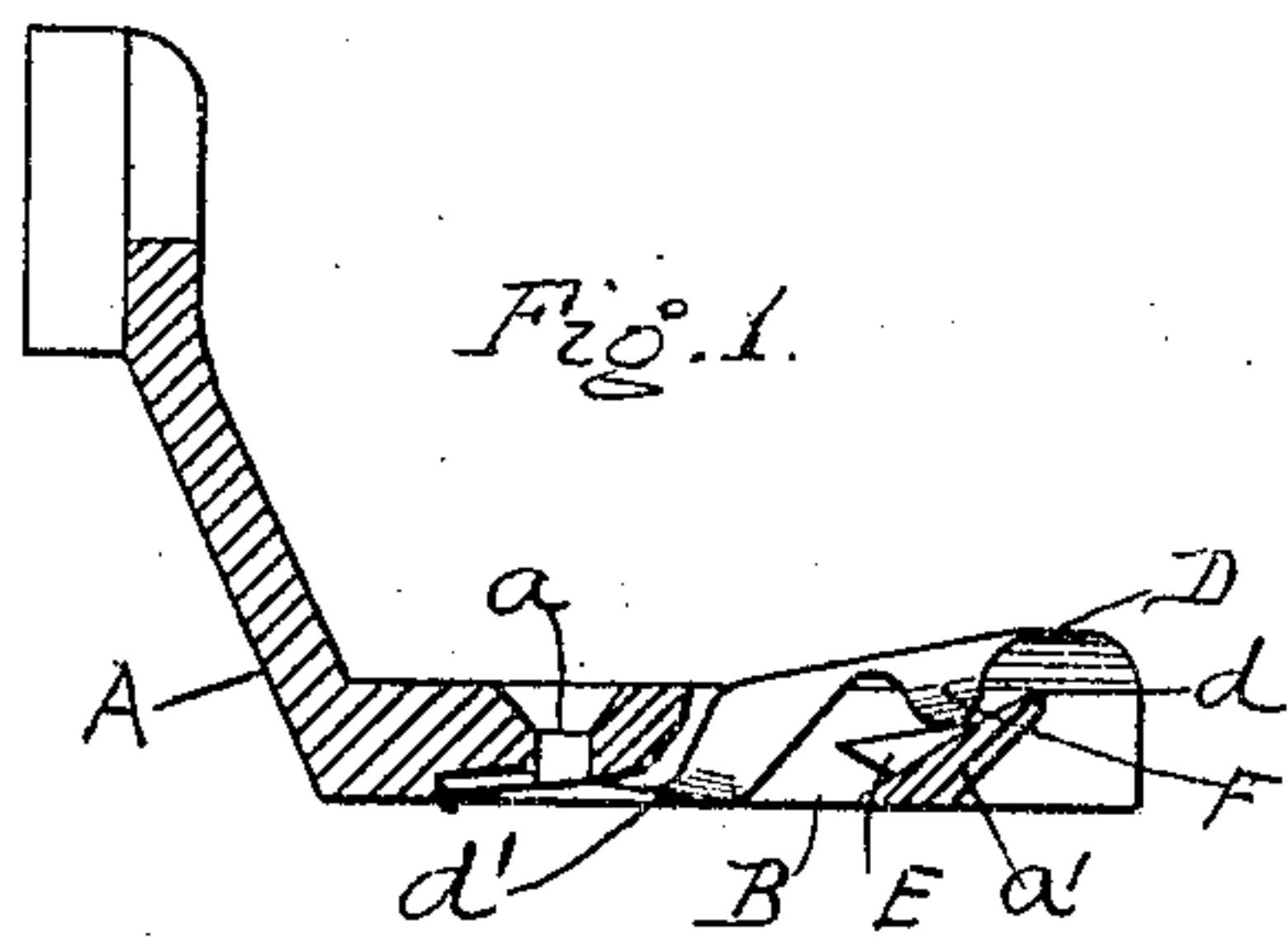
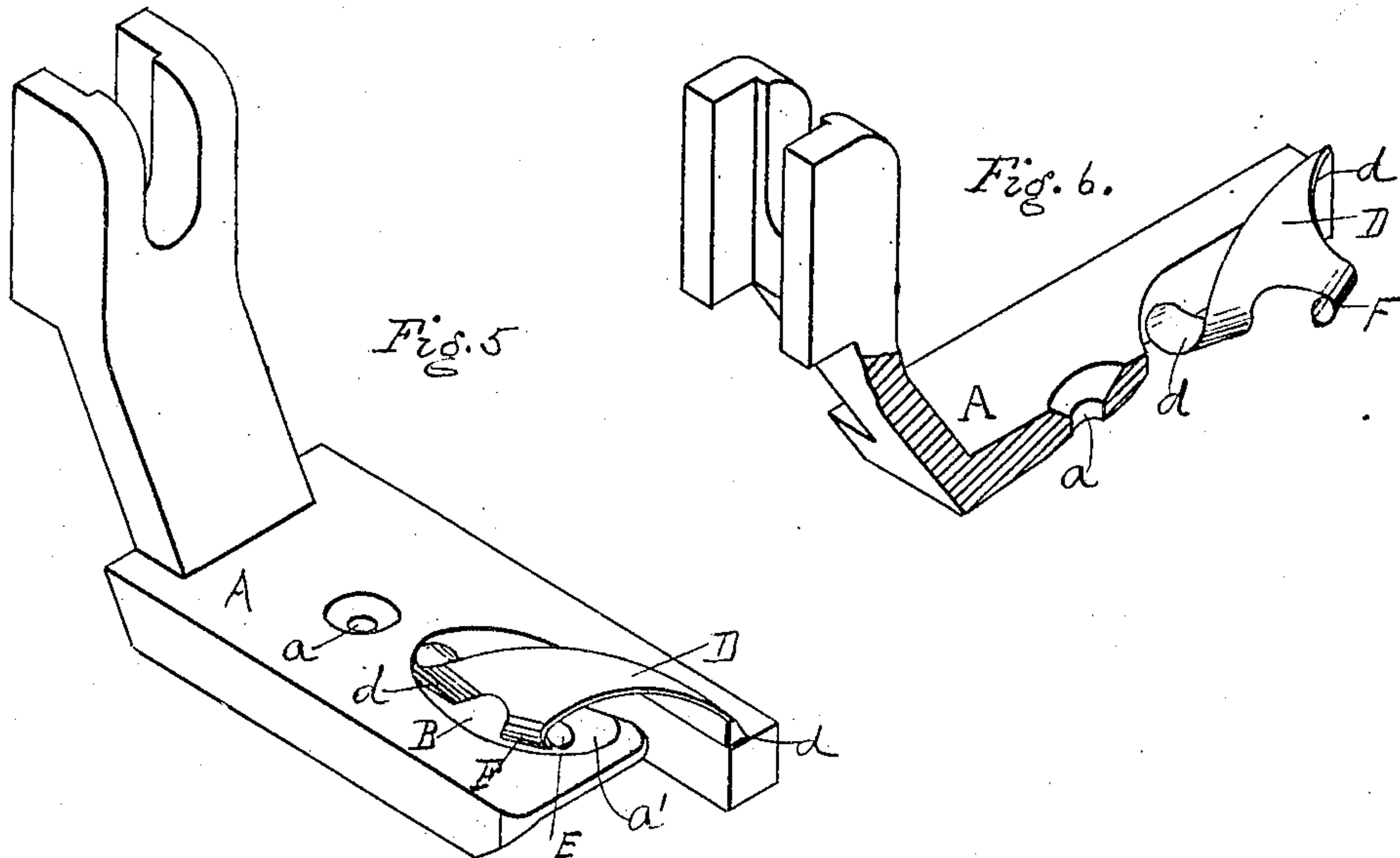
No. 843,347.

PATENTED FEB. 5, 1907.

A. L. MADISON.

HEMMER.

APPLICATION FILED MAY 9, 1906.



WITNESSES

M. E. Keir  
L. H. Grote.

INVENTOR

Alfred L. Madison  
BY

Harrison and Harrison

ATTORNEYS

# UNITED STATES PATENT OFFICE.

ALFRED L. MADISON, OF NEW YORK, N. Y., ASSIGNOR TO WILLCOX & GIBBS SEWING MACHINE COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

## HEMMER.

No. 843,347.

Specification of Letters Patent.

Patented Feb. 5, 1907.

Application filed May 9, 1906. Serial No. 315,950.

*To all whom it may concern:*

Be it known that I, ALFRED L. MADISON, a citizen of the United States of America, residing in the borough of Brooklyn, in the city of New York, county of Kings, and State of New York, have invented a certain new and Improved Hemmer, of which the following is a specification.

The cut edges of many woven fabrics, which have to be hemstitched, are so deeply or irregularly frayed that it is difficult, if not impossible, by the use of hemmers of ordinary construction to cover in such frayed or string edges under the stitched hem.

The object of my present invention is to provide a hemmer for sewing-machines which will effectively insure the tucking or covering in of these frayed edges under the stitched hem. This object I attain by providing the ordinary curl or scroll of the hemmer with a finger near the entrance to turn in the frayed edges of the fabric as the latter enters the scroll on the way to the stitching mechanism.

My improvement may be applied to various forms of hemming devices whether carried by the sewing-machine presser-foot or otherwise.

In the accompanying drawings I have shown my invention as embodied in a presser-foot hemmer.

Figure 1 is a longitudinal vertical section through the hemmer. Fig. 2 is a plan view. Fig. 3 is a transverse section on the line 3 3, Fig. 2. Fig. 4 is an inverted plan view partly broken away. Fig. 5 is a perspective view of the hemmer drawn to a larger scale, and Fig. 6 is another perspective view from the rear with a part broken away.

The presser-foot A has the usual needle-hole *a* and main slot B, with entrance-passage *b* for the fabric. In this slot B stands the sheet-metal or other scroll or curl D, which is secured by riveting, solder, or otherwise at *d* to the front end of the presser-foot on the operator's right-hand side of the entrance-passage *b*. The scroll is curled to

form a spiral to the left leading forward into the slot B and terminating in the bend *d'*. This spiral curl lies over the forming-finger E, which is carried by inwardly-projecting part *a'* of the front end of the presser-foot.

The essentially novel feature of my hemmer is the provision of the curl or finger F, which is preferably formed on the left-hand side of the scroll D at the entrance to the spiral and within the length of the presser-foot. As the edge of the fabric to be hemmed is fed into the scroll this finger F in advance turns in the frayed or uneven edges of a part of the fabric then held by the presser-foot, so that an even edge of the woven body of the fabric is always presented to the scroll D to be turned over into a hem, which in passing under the needle is stitched, so as to cover and inclose the frayed edges. Long-continued practical tests have shown that this finger F accomplishes this result with uniform efficiency, whereas a scroll without the finger F, but otherwise of like construction, will leave the frayed edges sticking out from under the hem or will leave hems of uneven width.

I claim as my invention—

1. A presser-foot hemmer having a scroll and a turning-finger at the entrance to the scroll, within the length of the presser-foot, as and for the purpose described.

2. A presser-foot hemmer having a scroll with a turning-finger formed on the scroll at the entrance to the latter, and within the length of the presser-foot.

3. A slotted presser-foot carrying a hemming-scroll within the slot and a turning-finger at the entrance to the scroll and also within said slot.

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

ALFRED L. MADISON.

Witnesses:

R. G. BEST,

J. A. REIDENBACH.