

(No Model.)

J. M. EDER.

DEVICE FOR SECURING ENVELOPES, &c.

No. 362,730.

Patented May 10, 1887.

Fig. 2.

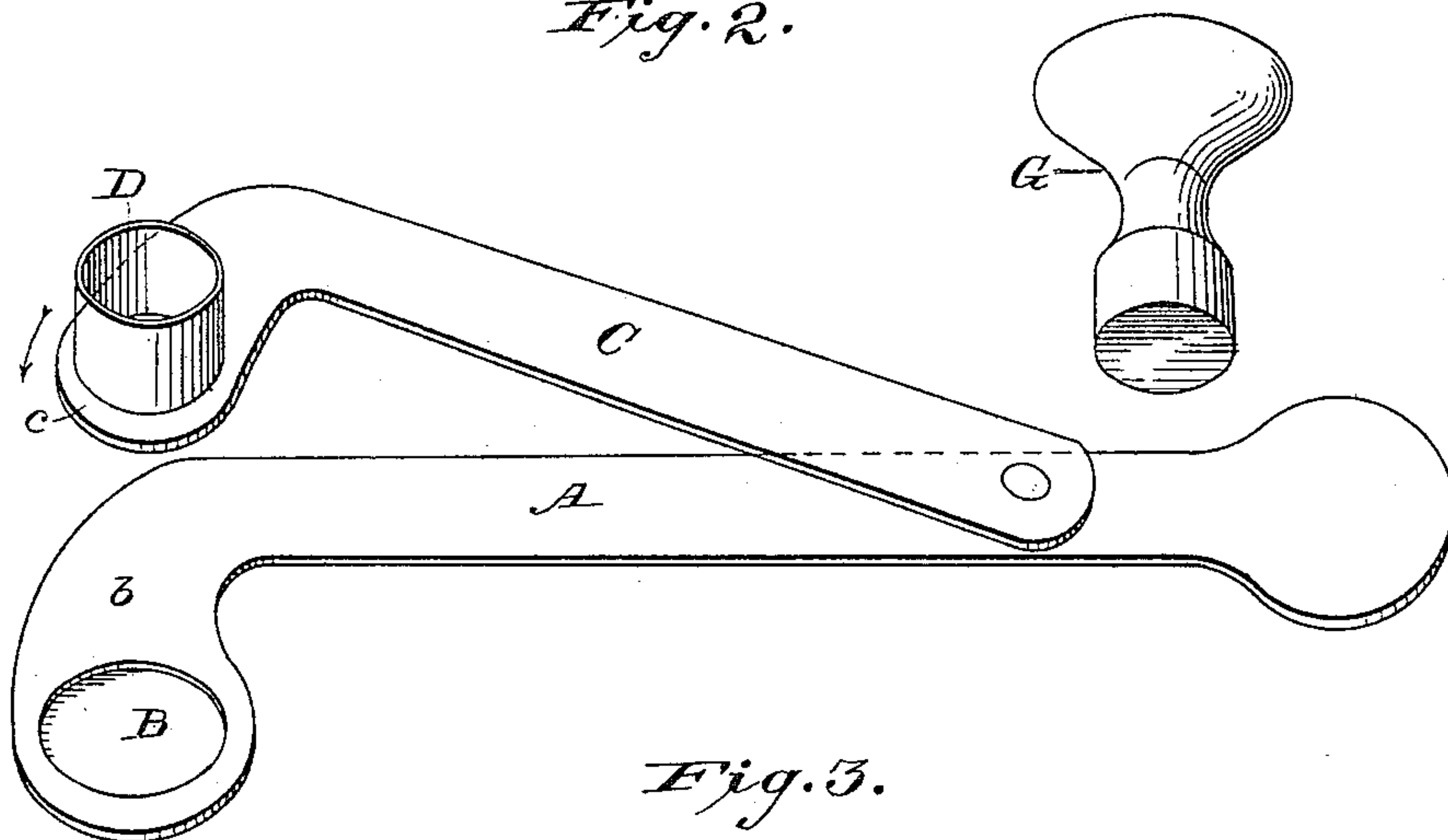


Fig. 3.

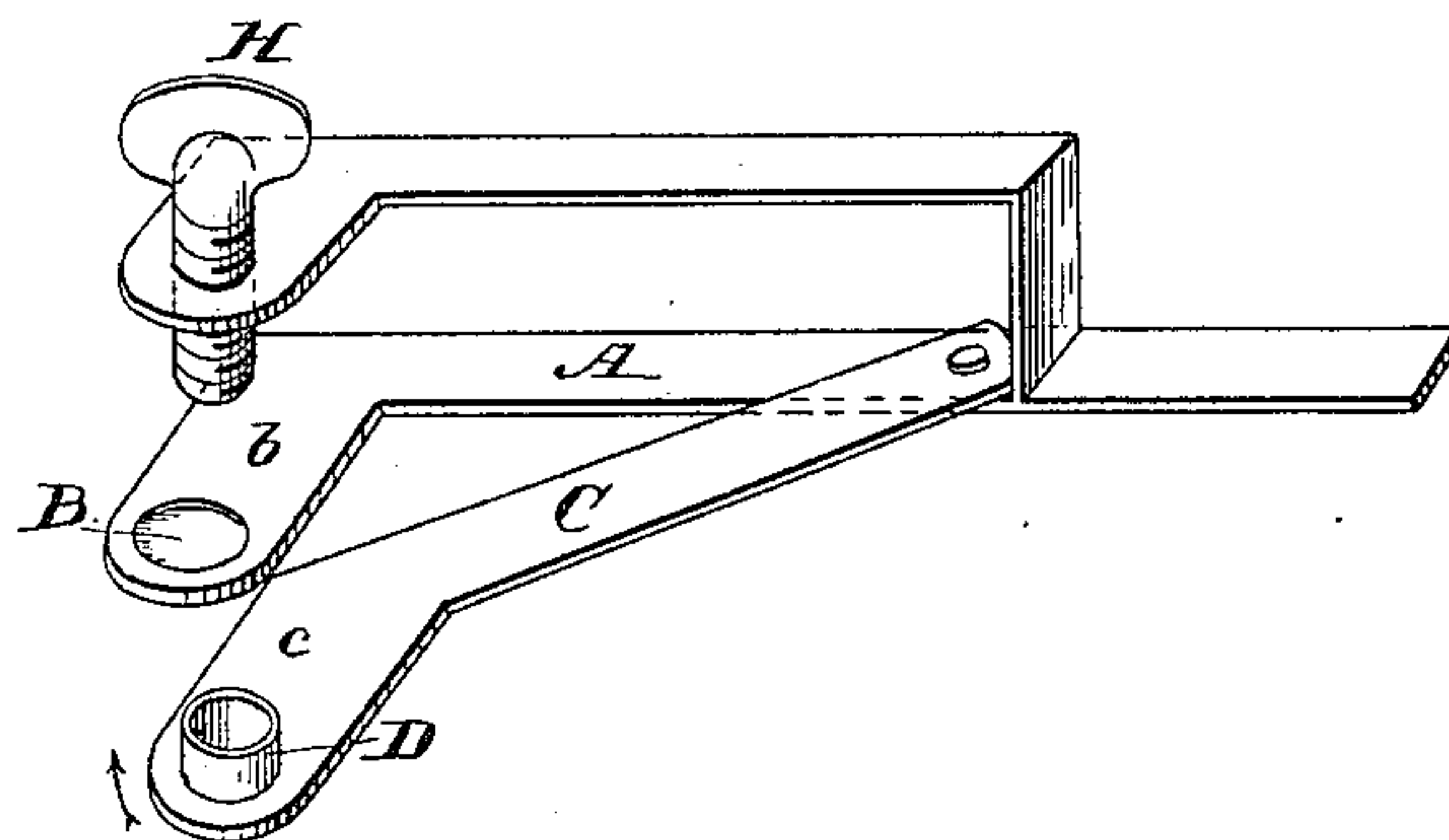
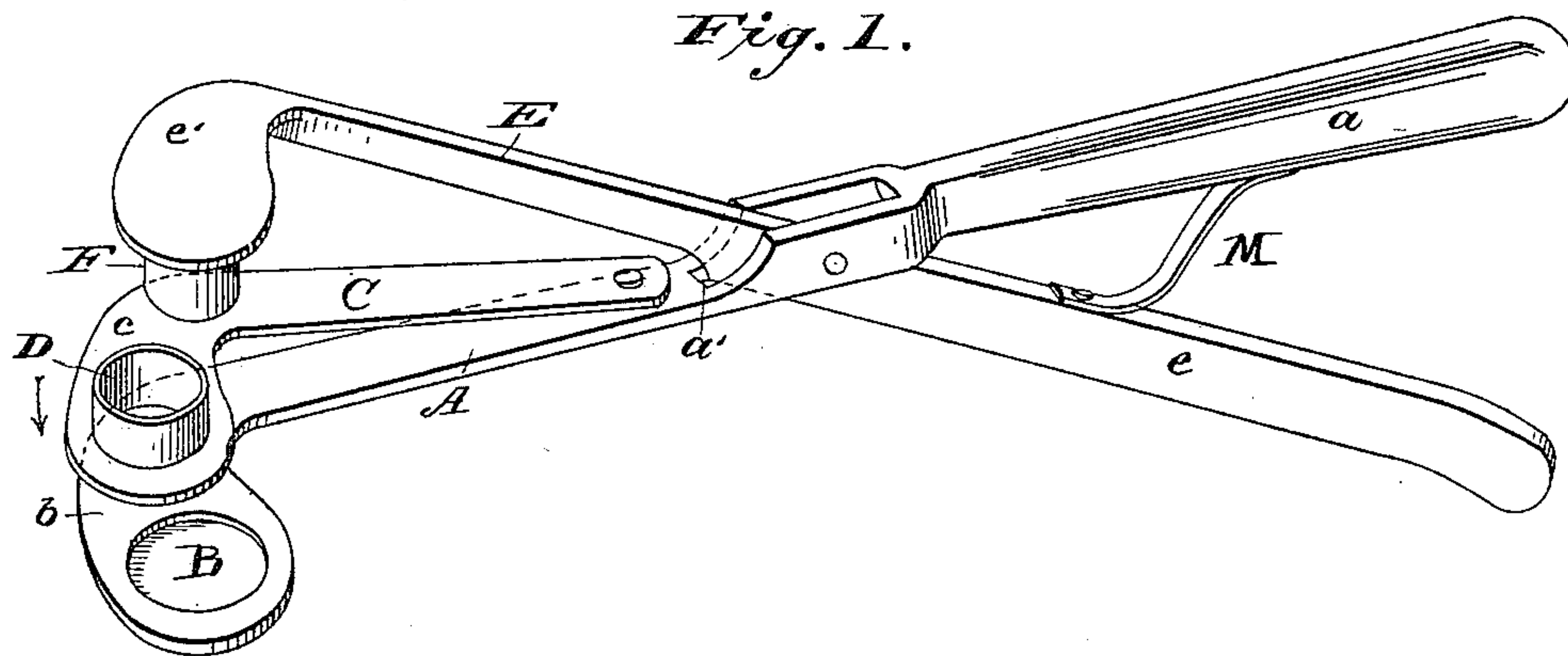


Fig. 1.



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DEVICE FOR SECURING ENVELOPES, &c.

SPECIFICATION forming part of Letters Patent No. 362,730, dated May 10, 1887.

Application filed February 11, 1887. Serial No. 227,312. (No model.)

To all whom it may concern:

Be it known that I, JAMES MARTIN EDER, a citizen of the United States, residing in London, England, have invented a new and Improved Device for Securing Envelopes and other Packages, of which the following is a full, clear, and exact description.

My invention relates to a device for securing envelopes and other packages, and has for its object to drive a staple through the flap and body of the envelope and to secure the same therein without injury to the contents.

The invention consists in the construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my device, and Figs. 2 and 3 modified forms thereof.

In carrying my invention into effect, A represents a metal bar slotted transversely and centrally from edge to edge, one end of which bar is formed into a handle, *a*, the other end, *b*, being flattened and made to extend outward at right angles to said bar. The corners of the said flattened end *b* are rounded off, and the edges may be beveled with good effect. Centrally the outer end of the aforesaid extended end *b* a shallow recess, B, is formed, the bottom of which recess acts as an anvil, as will be hereinafter described; but the recess may be omitted, the end *b* then forming a flat anvil. A plate, C, is now pivoted at one end to the upper edge of the bar A below the central slot, *a'*, therein, the other end, *c*, being extended at right angles in a similar manner to the end *b* of the plate A, over which it is adapted to register. An aperture is formed in the end *c* of said plate C in such position as that when the two plates *c* and *b* are brought in registry the said aperture will be in alignment centrally with the recess B in the plate A, and the said aperture is surrounded by an upwardly-extending tubular casing, D, which acts as a guide for the staple.

A second bar, E, of about equal length with the aforesaid bar A and provided with a like

handle, *e*, is pivoted centrally in the slot *a'* of the bar A. The outer end, *e'*, of the said bar E is made to extend outward in similar manner to the bar A and plate C, and is provided upon its under face with a circular projection or hammer, F, adapted, when the two handles *a* and *e* are brought together, to enter the tubular casing D. Thus in operation the end *b* of plate A is placed in the open envelope with the recess B just under where the staple is to be inserted. The gummed flap of the envelope is then fastened in the usual way, except on one side, where it is left unfastened for the appliance to be withdrawn. The staple being inserted in the tubular casing D, with the points projecting through the aperture in end *c*, the plate C, carrying said tube D, and the staple is then brought over the first plate outside the envelope. The handles *a* and *e* are now brought together, which action causes the hammer F to enter the tube D and clinch the points of the staple upon the bottom of the recess B, which acts as an anvil in the envelope, producing a secure fastening without injury to the contents. The appliance is then withdrawn through the aperture left open, said withdrawal being facilitated by the rounded edges of the bar A. The remaining portion of the flap may then be sealed down. When the fastening is effected, the levers or bars A and D are returned to their normal position by a spring, M, held between the handles *a* and *e*.

In the form of device illustrated in Fig. 2 I dispense with the handles and the hammer-carrying bar and simply use the anvil and its bar, together with the plate C, carrying the staple-aperture and surrounding casing D, the staple being driven home by detachable plug G, having a hammer-face and enlarged rounded head, which plug is entered the casing D and pressure brought to bear upon its head.

In Fig. 3 the same construction is employed as set forth in Fig. 2, with the exception that a screw, H, is utilized to clamp the staple, the said screw being held by a plate in registry with the tubular casing D when the pivoted plate C is in operative position.

The appliance may be further modified in

its essential parts to suit any envelope or other such package.

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

The combination, with the arm A, formed with the recess B, of the apertured arm C, provided with the guide D, and a hammer

adapted to the said guide, substantially as set forth.

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Witnesses:

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