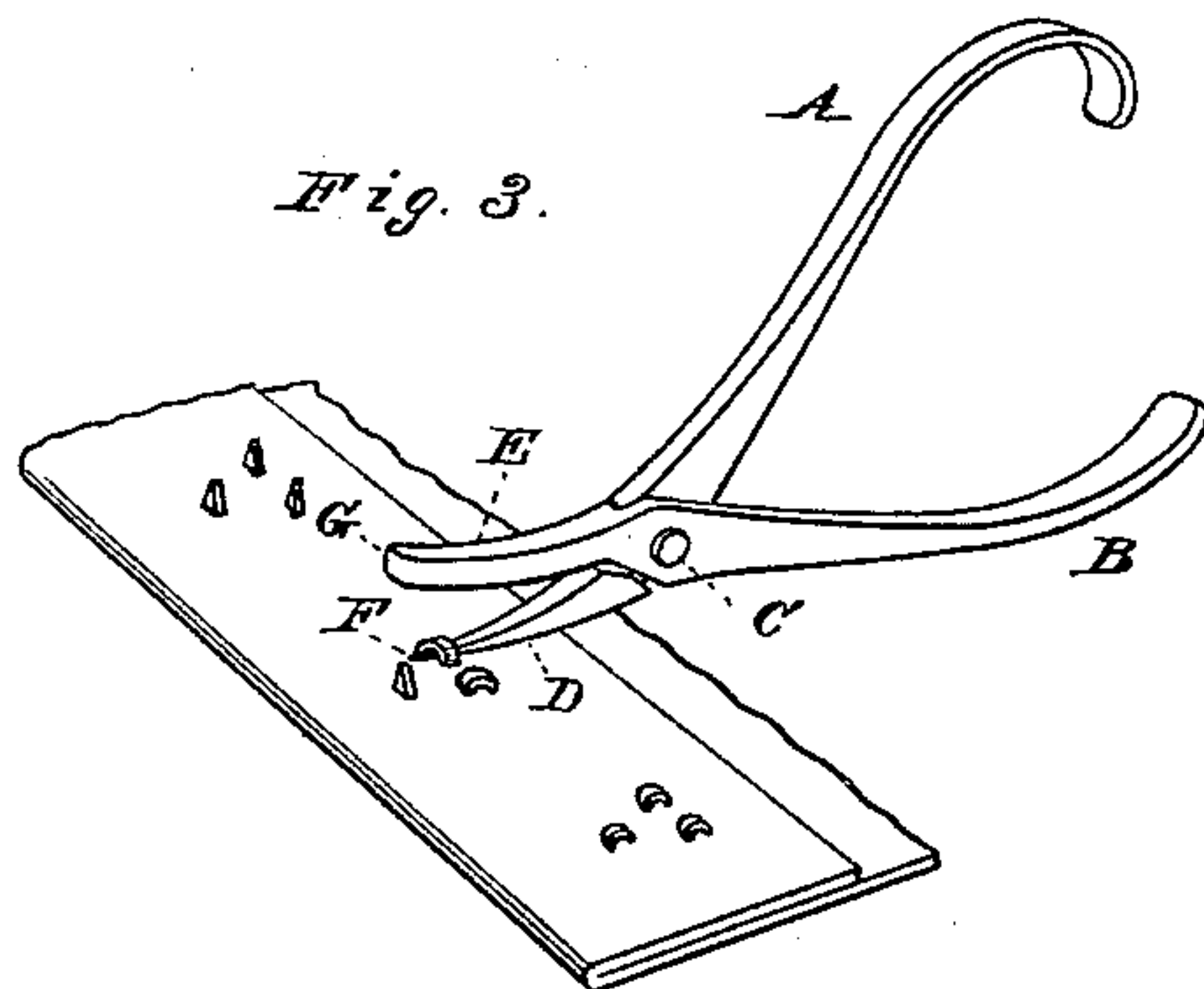
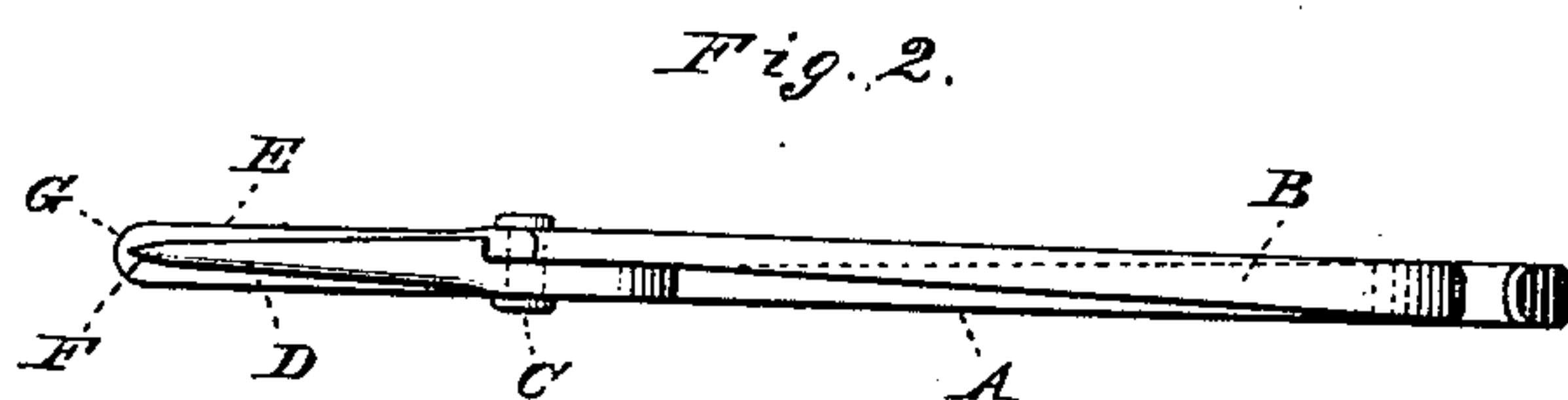
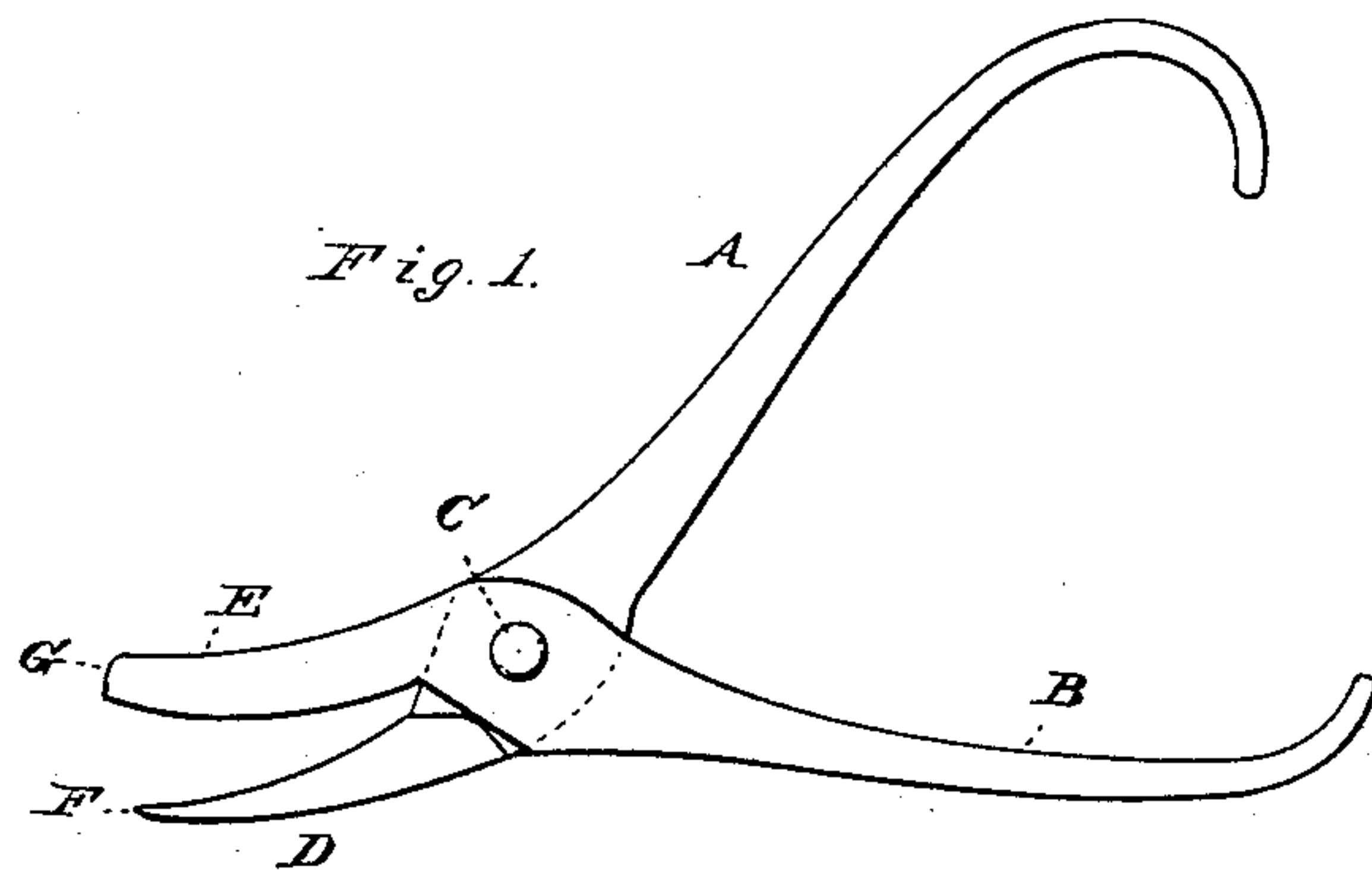


(No Model.)

H. ROSE.

IMPLEMENT FOR DETACHING BUTTON FASTENERS FROM SHOES.
No. 332,560.

Patented Dec. 15, 1885.



WITNESSES

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UNITED STATES PATENT OFFICE.

HENRY ROSE, OF FAYETTE, MISSOURI.

IMPLEMENT FOR DETACHING BUTTON-FASTENERS FROM SHOES.

SPECIFICATION forming part of Letters Patent No. 332,560, dated December 15, 1885.

Application filed October 17, 1885. Serial No. 180,158. (No model.)

To all whom it may concern:

Be it known that I, HENRY ROSE, a citizen of the United States, resident at Fayette, in the county of Howard and State of Missouri, have invented certain new and useful Improvements in Button-Openers; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of this invention, and is a side view. Fig. 2 is a bottom view. Fig. 3 is a perspective view, and shows the point of the instrument in one of the button-fasteners.

This invention has relation to instruments for opening button-fasteners, staples, &c.; and it consists in the construction and novel arrangement of devices, all as hereinafter set forth, and pointed out in the appended claims.

In the accompanying drawings the instrument is shown consisting of a pair of pinchers of peculiar formation. The branches A and B of these pinchers are pivoted together at C, and their handle ends are spread sufficiently to give a good fulcrum in exerting pressure or giving a twisting movement. The operating end D of the branch A is curved from root to point toward the opposite jaw, E. It is therefore concave on its upper edge, and while made quite deep at its root portion gradually tapers to the point F. This jaw is narrow from side to side and tapers on the sides at the front portion. The opposite jaw, E, is comparatively broad from side to side, and its inner face is convex to match the concave face of the point-jaw. This jaw E is

comparatively much heavier, and is designed to afford protection to the pointed and narrower jaw D, whereby its operations are facilitated. The blunt point G of the jaw E projects a little beyond the pointed end of the jaw D, protecting the same, and affording a guard for the fingers, which, without the extension, would be liable to injury. The broad and heavy jaw E affords an anvil or base on which the slender pointed jaw works to advantage. When the pointed jaw is inserted in a slope or under the claw of a button-fastener, the broad jaw E is pressed down against it, and its corners form fulcrums, whereby the leverage is obtained which is required to loosen said staple or fastener. At the same time the narrower jaw, being pressed closely thereto, does its main work—the gripping part—without being liable to undue twisting, it being guarded from this materially by the broad jaw E, which takes the twisting strain.

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

The opening-instrument for button-fasteners, staples, &c., consisting of the branches A B, pivoted together, and provided, respectively, with the narrow tapering curved point-jaw D, having a concave inner edge, and the broad, blunt, and fulcrum jaw E, having a broad convex inner face and having its guard end projecting beyond the point end of the point-jaw, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY ROSE.

Witnesses:

THEO. F. WOODS,
W. E. LONG.