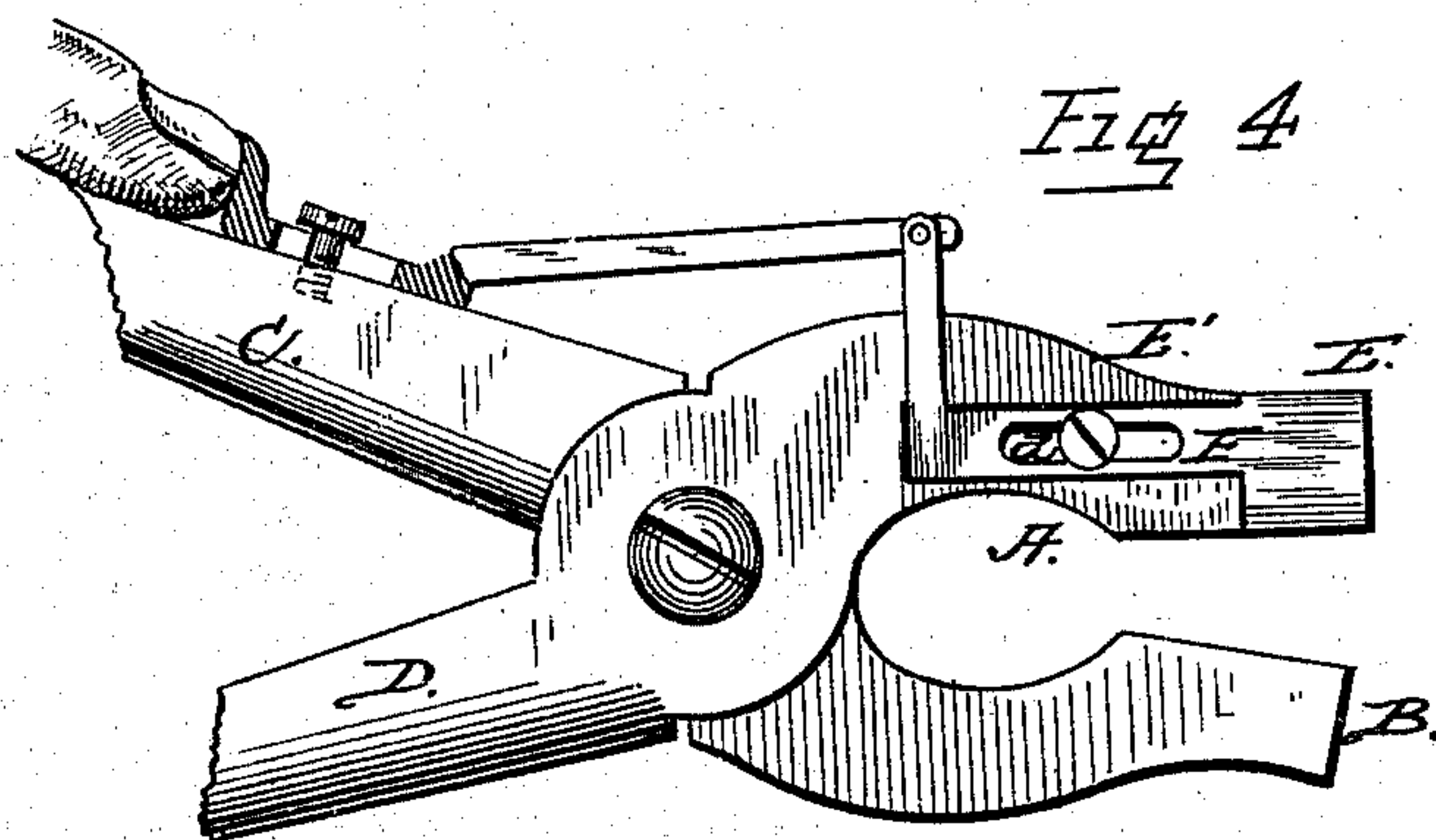
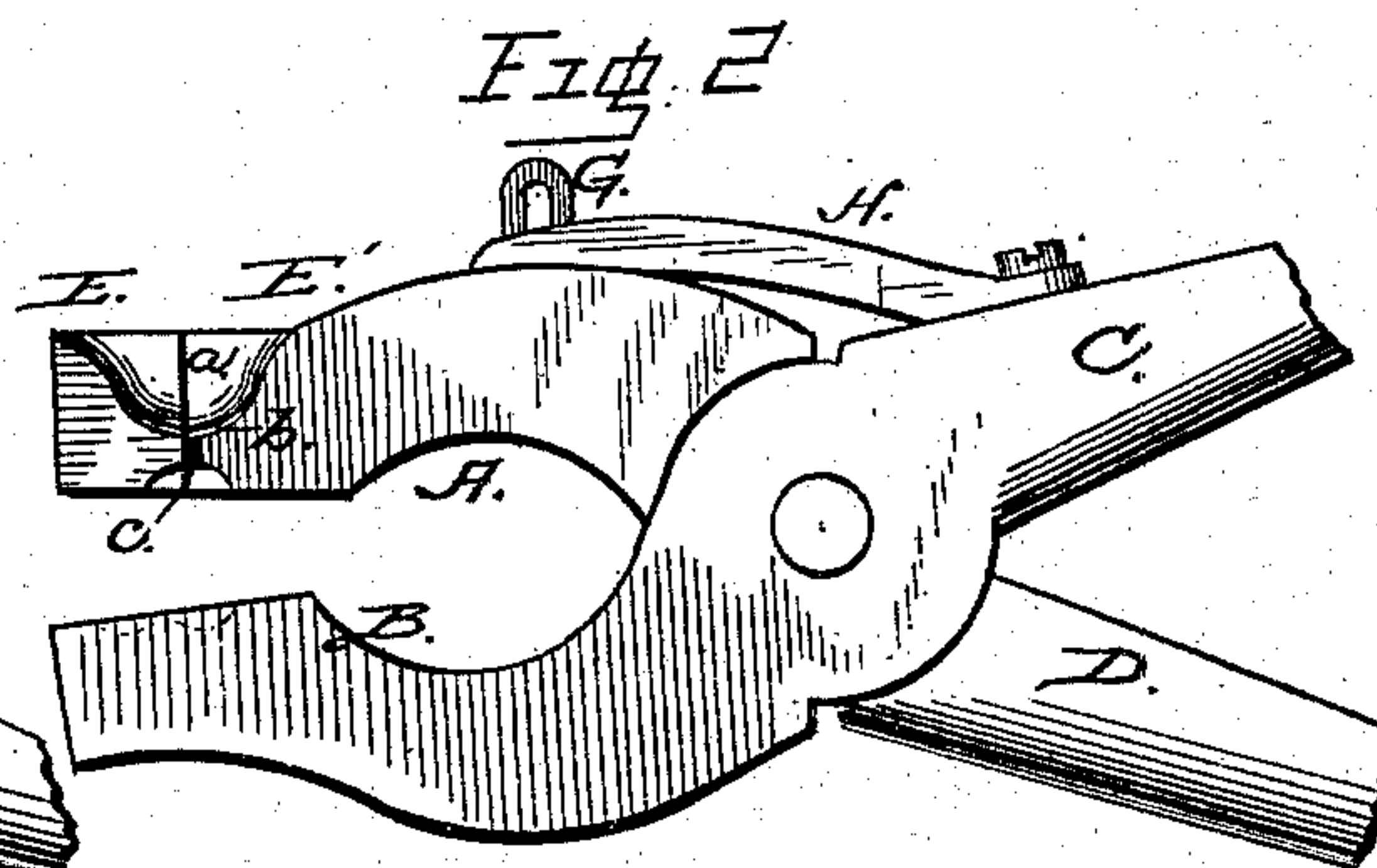
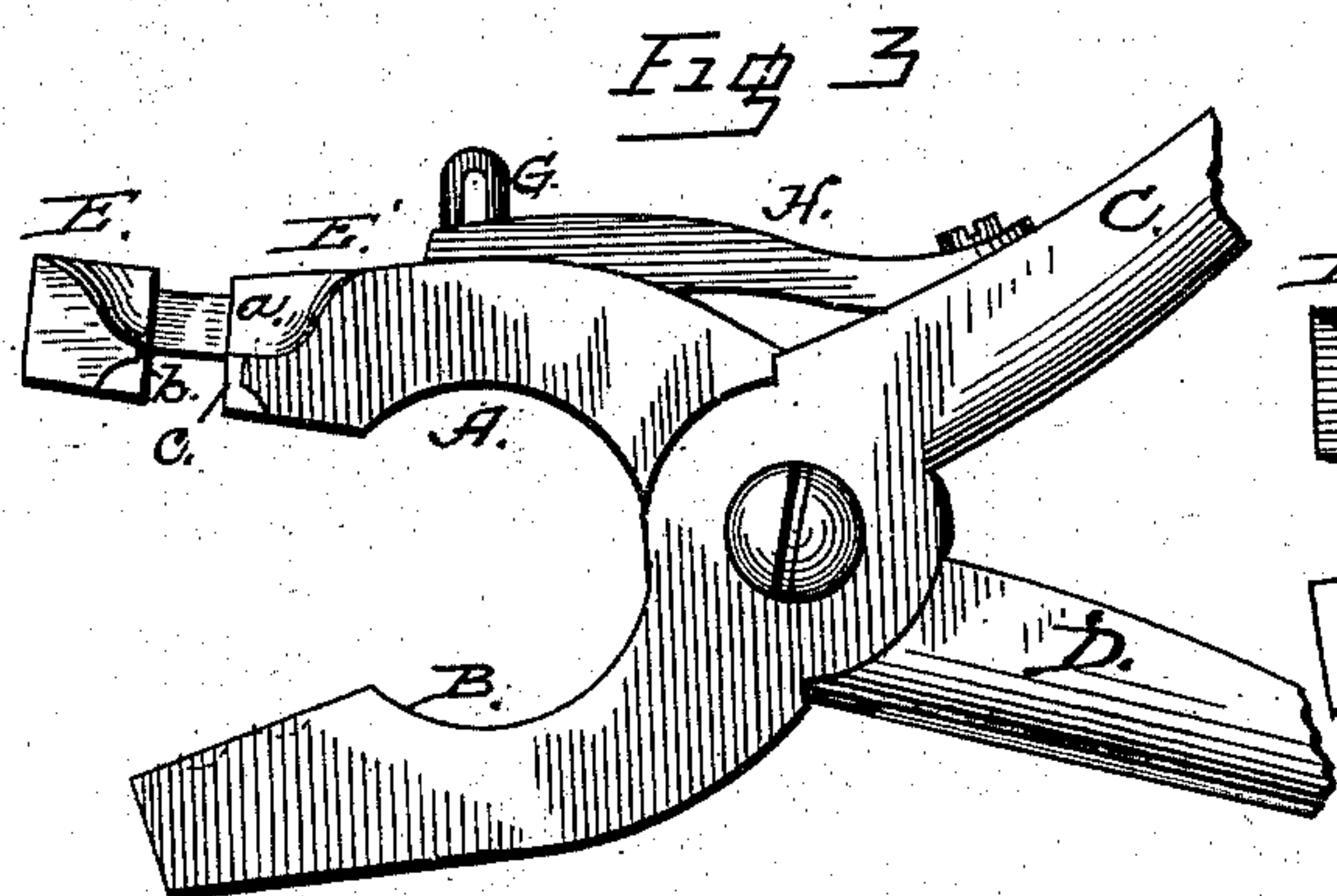
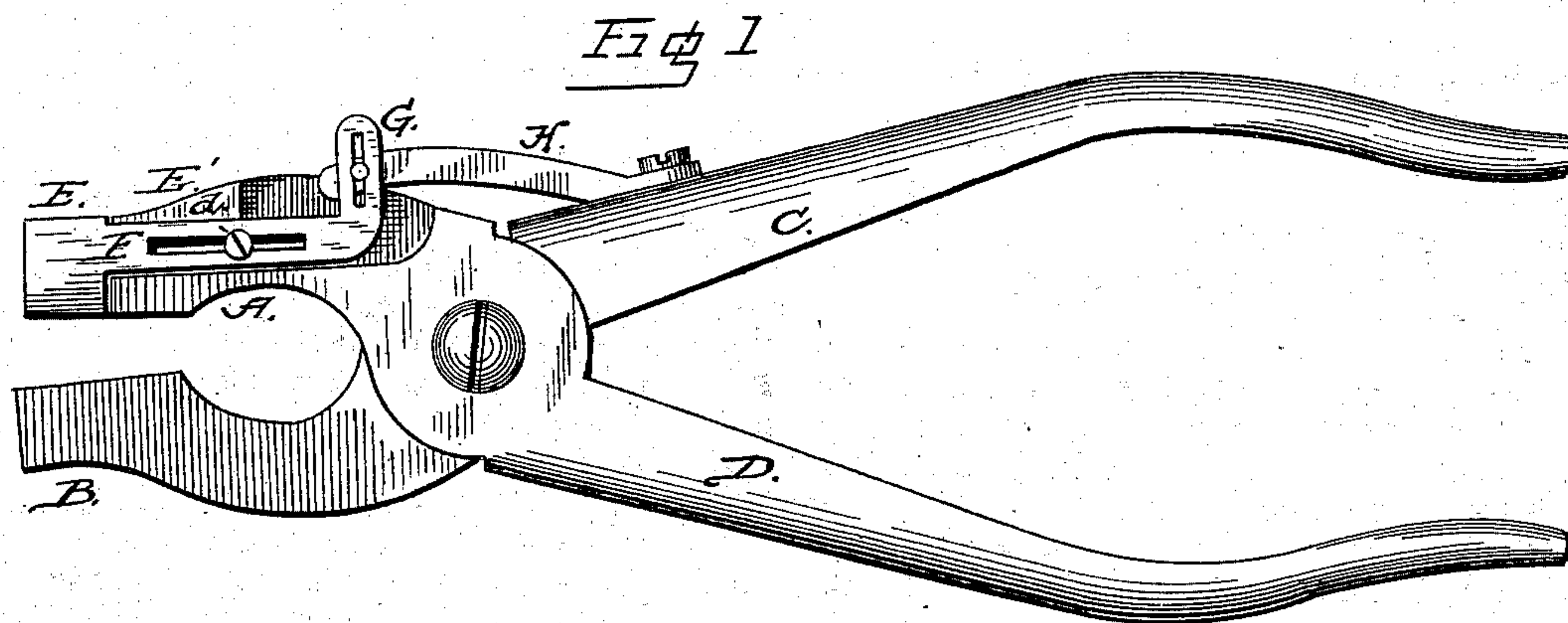


(No Model.)

P. H. SWEET, Jr.
BUTTON SETTING INSTRUMENT.

No. 274,841.

Patented Mar. 27, 1883.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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BUTTON-SETTING INSTRUMENT.

SPECIFICATION forming part of Letters Patent No. 274,841, dated March 27, 1883.

Application filed January 24, 1883. (No model.)

To all whom it may concern:

Be it known that I, PARKER H. SWEET, JR., a citizen of the United States, residing at Washington, in the District of Columbia, have
5 invented certain new and useful Improvements in Setting-Instruments; 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
10 make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in
15 that class of setting-instruments which are designed for the purpose of attaching buttons to fabrics by means of a suitable metallic fastener or connection; and my improvements consist essentially of an improved construction of the
20 upper jaw of the setting-instrument, whereby the portion constituting the holding mechanism is divided into two parts or sections, the outer one of which is adapted to automatically slide outwardly from the inner part or section
25 to permit of the ready adjustment of the button and fastener within the holding recess or mechanism, and to slide back against said inner section to secure the button and fastener in place preparatory to their being attached
30 to a fabric, the motion of the sliding section being controlled by the handles of the setting-instrument, all as will be hereinafter fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1
35 represents a side elevation of a setting-instrument embodying my improvements; Fig. 2, a side elevation of the same with a portion of the handles broken off, and showing the holding mechanism for the button and fastener in
40 a closed position; Fig. 3, a similar view, showing the holding mechanism in an open position; and Fig. 4, a modification of my improvements.

Similar letters of reference occurring on the several figures indicate like parts.

45 Referring to the drawings, it will be seen that the setting-instrument is composed of the upper and lower jaws, A B, operated by the handles C D in a manner well known. The upper jaw, A, is provided with a suitable re-

cess, a, to one side or at the front, which has
50 a tapering or other suitable-shaped bottom, b, terminating in an open vertical slot, c, concaved on its lower portion, as shown, the same constituting the holding mechanism for the
55 button and fastener preparatory to their being attached to a fabric or material in the usual manner.

In carrying out my improvements the upper jaw, A, is divided vertically through the center of the said holding mechanism into two
60 parts or sections, E E, as shown, the outer section, E, being provided with or formed solid with a slotted plate, F, which is adapted to fit within a dovetailed or other suitable-shaped
65 recess in the rear side of the said jaw A, and held therein by the screw d, or other suitable equivalent. The rear end of the said plate F is bent up at right angles, or nearly so, to form
70 a slotted arm, G, for the engagement therewith of the curved arm H, attached to the upper handle, C, of the instrument, as fully shown in Fig. 1.

By means of this construction and general arrangement of parts the outer section, E, is forced outwardly when the handles C D are
75 opened, and is returned again to its former position when the handles are closed together. I do not, however, confine myself to this specific method of operating the said sliding section E, as it is evident that other equivalent
80 means may be employed to accomplish the same result, such as a sliding thumb-lever attached to the upper handle of the instrument, as shown in Fig. 4, and communicating with
85 the said sliding section, so as to open and close the holding mechanism at pleasure, and without removing the hand from the handles of the instrument.

In the operation of my invention the outer section, E, is pushed forward by simply open-
90 ing the handles C D of the instrument, and the button and fastener being placed in position between the two sections, the said handles are brought together to return the outer section, E, to its place against the inner section, E', to hold the button and fastener
95 preparatory to their being attached to the desired material, and as shown in Fig. 1. The material

being now inserted between the two jaws, the handles C D are depressed to close the said jaws and force the prongs of the fastener through the material and back again into the under surface of the same to secure the button in place, as in the usual manner.

By means of my improvements the buttons and fasteners may be readily and easily inserted into the holding mechanism by the aid of one hand alone, the other at all times retaining its grip upon the handles of the instrument to rapidly operate the same. After each button is set or attached to the desired material the simple opening of the handles of the setting-instrument opens the holding mechanism, releases the button, and stands in a position to receive another button and fastener.

The recess or holding mechanism in the upper jaw may be changed or modified at pleasure to adapt the instrument to set different styles of button-fasteners, and the lower jaw, B, may be provided with any suitably-shaped die to curve, bend, or deflect the prongs of said fasteners after they pass through the material to which the button is to be attached.

Having thus described my invention, what I claim as new and useful is—

1. As an improved article of manufacture, the herein-described setting-instrument, com-

posed of the jaws A B and handles C D, pivoted together, as shown, the upper jaw, A, being divided into two sections, E E', having a suitable holding mechanism and means adapted to open and close the sections simultaneously with the opening and closing of the handles C D, substantially in the manner as and for the purpose specified.

2. In a setting-instrument, the upper jaw, A, provided with the mechanism for holding a button and fastener, and divided into two sections, E E', and means to move the outer one, E, outwardly and back again simultaneously with the opening and closing of the handles C D of the instrument, substantially as and for the purpose specified.

3. In a setting-instrument, the upper jaw, A, constructed as described, and provided with a sliding section, E, adapted to be operated by the handles of the setting-instrument through the medium of a sliding plate, F, and lever H, substantially as and for the purpose specified.

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

PARKER H. SWEET, JR.

Witnesses:

C. FRED. KELLER,
EDWIN J. MCLAIN.