

(No Model.)

F. H. FARNSWORTH & A. J. BARNES.

SETTING INSTRUMENT FOR ATTACHING BUTTONS TO GARMENTS.

No. 247,032.

Patented Sept. 13, 1881.

Fig. 1

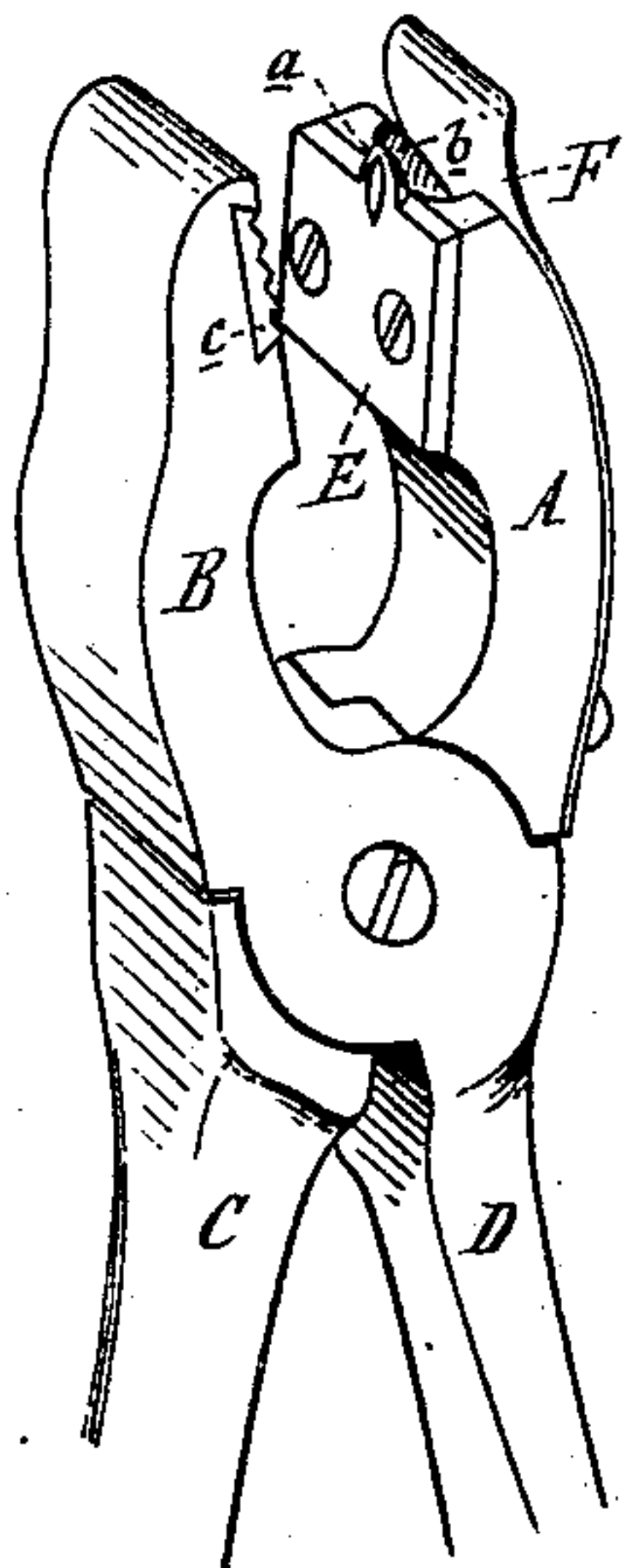
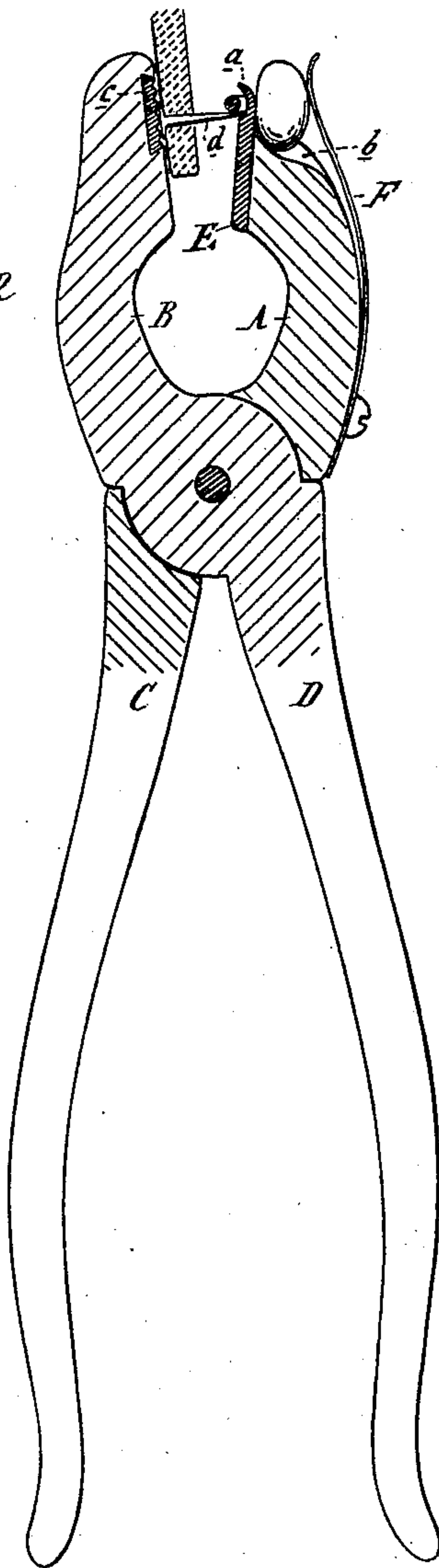


Fig. 2



Attest:
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by [Signature]
Atty

UNITED STATES PATENT OFFICE.

FRANK H. FARNSWORTH AND ARTHUR J. BARNES, OF DETROIT, MICHIGAN;
SAID BARNES ASSIGNOR TO HENRY S. ROBINSON, OF SAME PLACE.

SETTING-INSTRUMENT FOR ATTACHING BUTTONS TO GARMENTS.

SPECIFICATION forming part of Letters Patent No. 247,032, dated September 13, 1881.

Application filed February 17, 1881. (No model.)

To all whom it may concern:

Be it known that we, FRANK H. FARNSWORTH and ARTHUR J. BARNES, of Detroit, Wayne county, Michigan, have invented an Improved Mode of Attaching Buttons to Garments and a Device for Accomplishing the Same, of which the following is a specification.

The nature of this invention relates to a new and useful mode of attaching buttons to garments and in a device for accomplishing the same; and the invention consists in the mode and in the construction and combination of parts of the device, as more fully hereinafter described, and pointed out in the claims.

Figure 1 is an enlarged perspective of our improved device. Fig. 2 is a sectional view, showing manner of securing a button in place.

In the accompanying drawings, which form a part of this specification, A B represent the two jaws of the instrument, provided with the handles C D, operated in the usual manner, the upper jaw, A, being somewhat the shorter of the two.

To the inner face of the jaw A, I secure a plate, E, which is provided with the small outwardly-projecting lip *a*, the under face of which is recessed, as shown. The upper face of the jaw A is recessed, as at *b*, and is provided with a leaf-spring, F, which projects beyond the toe of the jaw.

In the inner face of the jaw B, I secure a plate, *c*, the face of which is rough or serrated, as shown. It is evident, however, that should the jaws be made of steel the separate plates above described could be dispensed with in such case, the lip *a* being formed upon the jaw and as a part thereof.

In practice, the head of the button is inserted in the recess *b* beneath the spring F, with the lip *a* projecting through the eye of the button, as is shown in Fig. 2. A proper tack, *d*, with a malleable point, is then inserted

through the material to which the button is to be attached, and it is then inserted between the jaws, the head of the tack resting upon the plate *c*, so that the point will be immediately under the recess in the lip *a*. By then compressing the jaws together the point of the tack is forced through the eye of the button and clinched, thereby securely fastening the button to place.

What we claim as our invention is—

1. The mode herein described of attaching buttons to garments by a single-pointed malleable tack, consisting in passing the shank of the tack through the garment and then turning or clinching its end through and around the eye of the button by pressing the point against a clinching portion of the device which holds the button while the clinching is being performed, substantially as described.

2. An instrument for attaching buttons, substantially such as described, provided with means for pressing the head of a malleable tack, and having a recessed lip, *a*, for forcing and clinching its point through the eye of a button for securing said button to a garment, substantially as specified.

3. In an instrument for attaching buttons, and in combination with the jaws B A thereof, the recessed lip *a*, recess *b*, and spring F, substantially as and for the purposes set forth.

4. In an instrument for attaching buttons, and in combination with the jaws A B thereof, the plate E, provided with a recessed lip, *a*, recess *b*, spring F, and plate *c*, constructed, arranged, and operating substantially as and for the purposes specified.

FRANK H. FARNSWORTH.
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Witnesses:

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