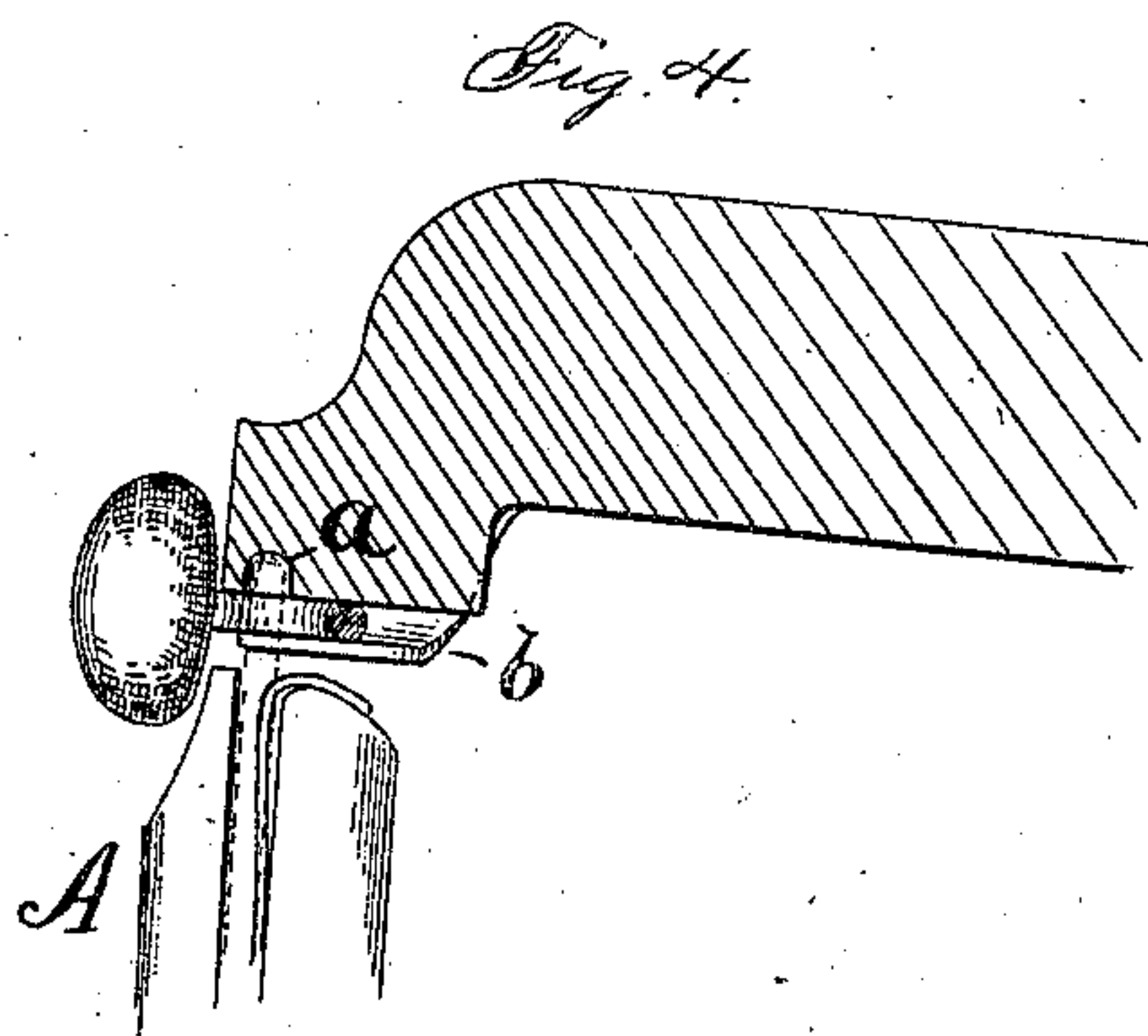
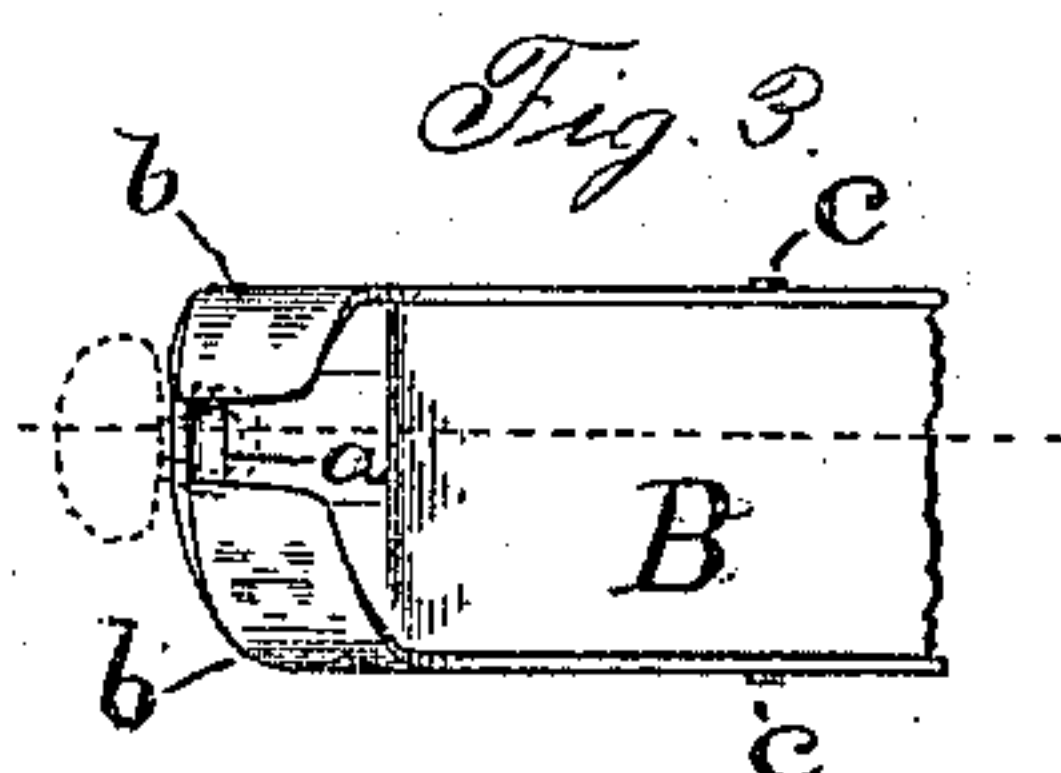
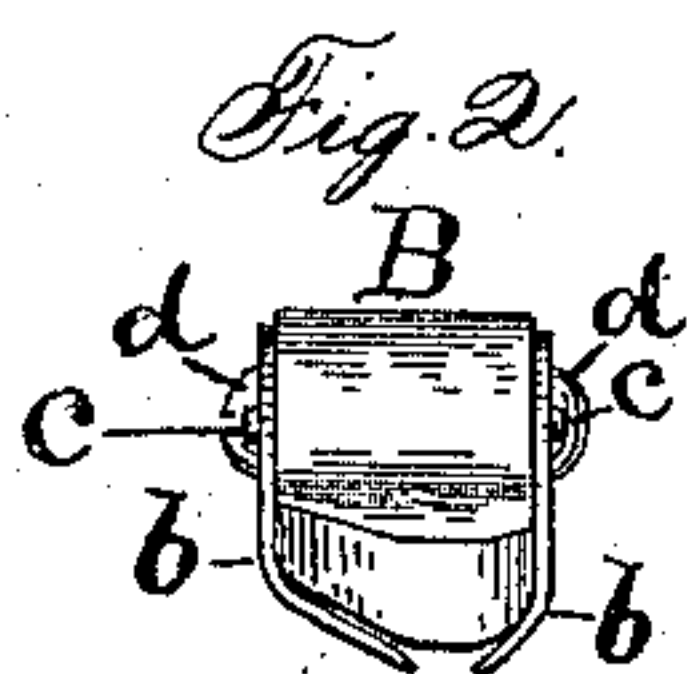
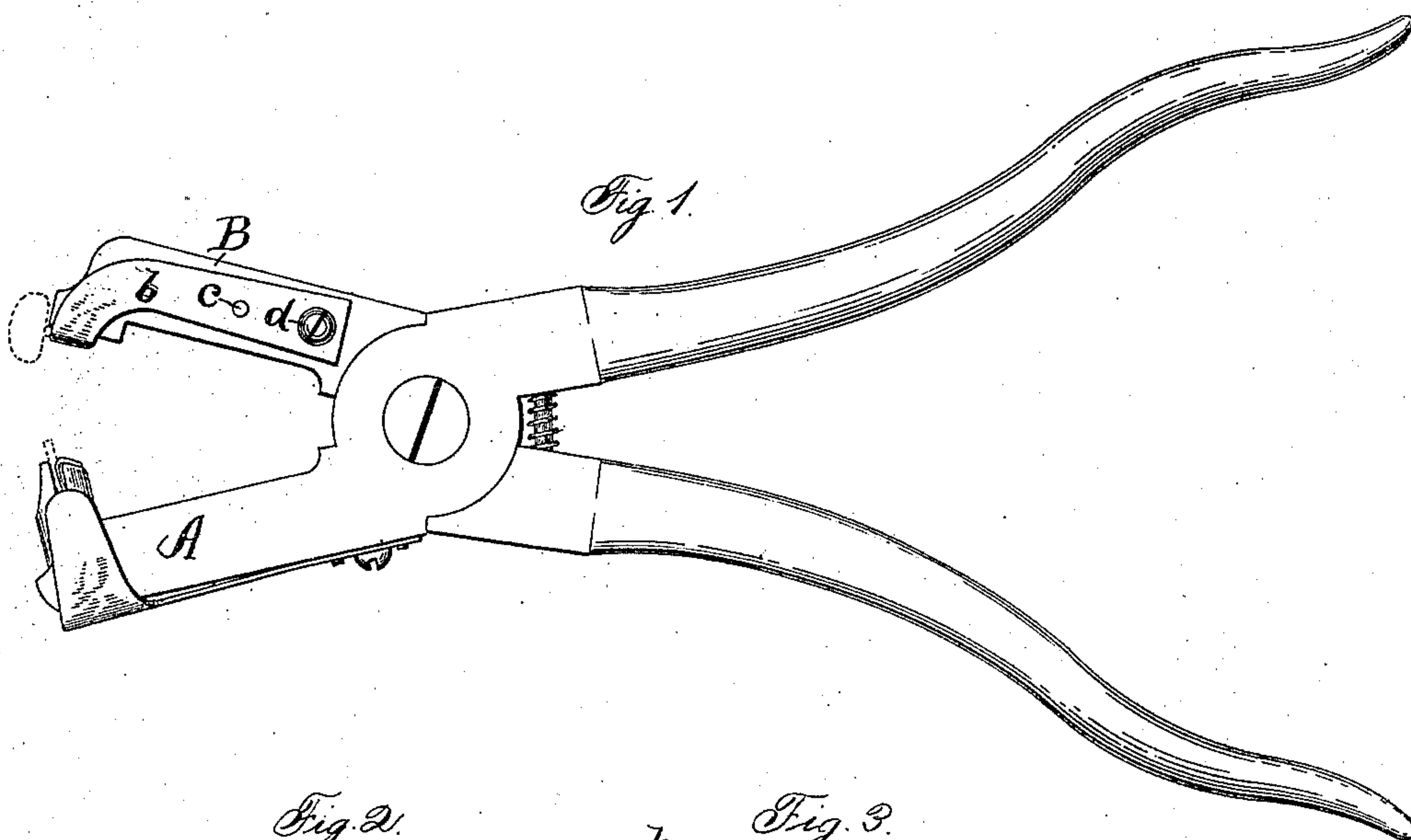


(No Model.)

E. KEMPSHALL.
BUTTON SETTING INSTRUMENT.

No. 310,830.

Patented Jan. 13, 1885.



Witnesses.
John Edwards Jr.
Eddy N. Smith

Inventor.
Eliaser Kempshall
By James Shepard
Atty.

UNITED STATES PATENT OFFICE.

ELEAZER KEMPSHALL, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO THE
AMERICAN BUTTON FASTENER COMPANY, OF SAME PLACE.

BUTTON-SETTING INSTRUMENT.

SPECIFICATION forming part of Letters Patent No. 310,830, dated January 13, 1885.

Application filed September 4, 1884. (No model.)

To all whom it may concern:

Be it known that I, ELEAZER KEMPSHALL, a citizen of the United States, residing at New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Button-Setting Instruments, of which the following is a specification.

My invention relates to improvements in that class of button-setting instruments which hold the button with its eye in position to receive the prong of the fastener, and the object of my improvement is to provide a better button-holder.

In the accompanying drawings, Figure 1 is a side elevation of my button-setting implement. Fig. 2 is an end view of the upper jaw thereof. Fig. 3 is a face view showing the inner face of said jaw; and Fig. 4 is a longitudinal section of said jaw and button-eye, together with a side elevation of the button and part of the companion jaw.

My instrument is designed for securing buttons by confining a fastener having a puncturing-prong in one jaw or member of the instrument and a button in the other jaw or member, and then, by bringing the two together, puncturing the material to which the button is to be attached, passing the prong through the button-eye, and bending it into a form which will secure the button in place.

In the drawings I have represented the part or jaw A, which holds the button-fastener, as constructed in accordance with my Letters Patent No. 298,984, dated May 20, 1884, and as also containing some improvements for which I have since applied for a patent; but in place of this particular construction any other style of button-fastener holder may be employed that will present the puncturing-prong of the fastener to the upper jaw or member, B. It is to this part B that my present invention relates. The inner face of B is provided with a die-recess, *a*, Figs. 3 and 4, as in prior instruments. Upon the two sides of the jaw B, I place spring-holders *b b*, and secure them thereon in any proper manner, as by means of the

steady-pin *c* and screw *d*. The two corners of the jaw B are rounded or beveled off to a point near the die-recess *a*. If this recess is in the middle of the jaw, the bevels will be equal; but they will be unequal when the die-recess is on one side of the middle, as shown in Figs. 2 and 3. These spring-holders are bent toward each other, as shown, so as to partially cover the inner face of the jaw B. A button-eye slipped under the die-recess, with its edges under the ends of the spring, as indicated by broken lines in Figs. 1 and 3 and by full lines in Fig. 4, will be firmly held in a proper position to receive the prong of the fastener. After the fastener has been bent and the lower jaw or member, A, withdrawn, the button can readily be pulled out from under the spring-holders.

My button-holder is of a very compact form. The button can be conveniently inserted and removed while there is a space between the confronting ends of the spring-holders, so as to leave ample room for clinching or bending the point of the fastener to secure it to the button-eye without removing the spring-holders therefrom.

I am aware that a prior patent shows a button-setting instrument having recessed spring-jaws for grasping the edges of a button, and that another patent shows one having a forked spring which presses the button-eye flatwise to hold it upon the anvil, in combination with mechanism for withdrawing said forked spring from the button-eye to permit the end of the fastener to be clinched. All of said prior art is hereby disclaimed.

I claim as my invention—

In a button-setting instrument, the part containing the die-recess, in combination with the spring-holders *b b*, curved inward from opposite sides, with their operative ends confronting each other, and with an open space between, substantially as described, and for the purpose specified.

ELEAZER KEMPSHALL.

Witnesses:

JAMES SHEPARD,
EDDY N. SMITH.