

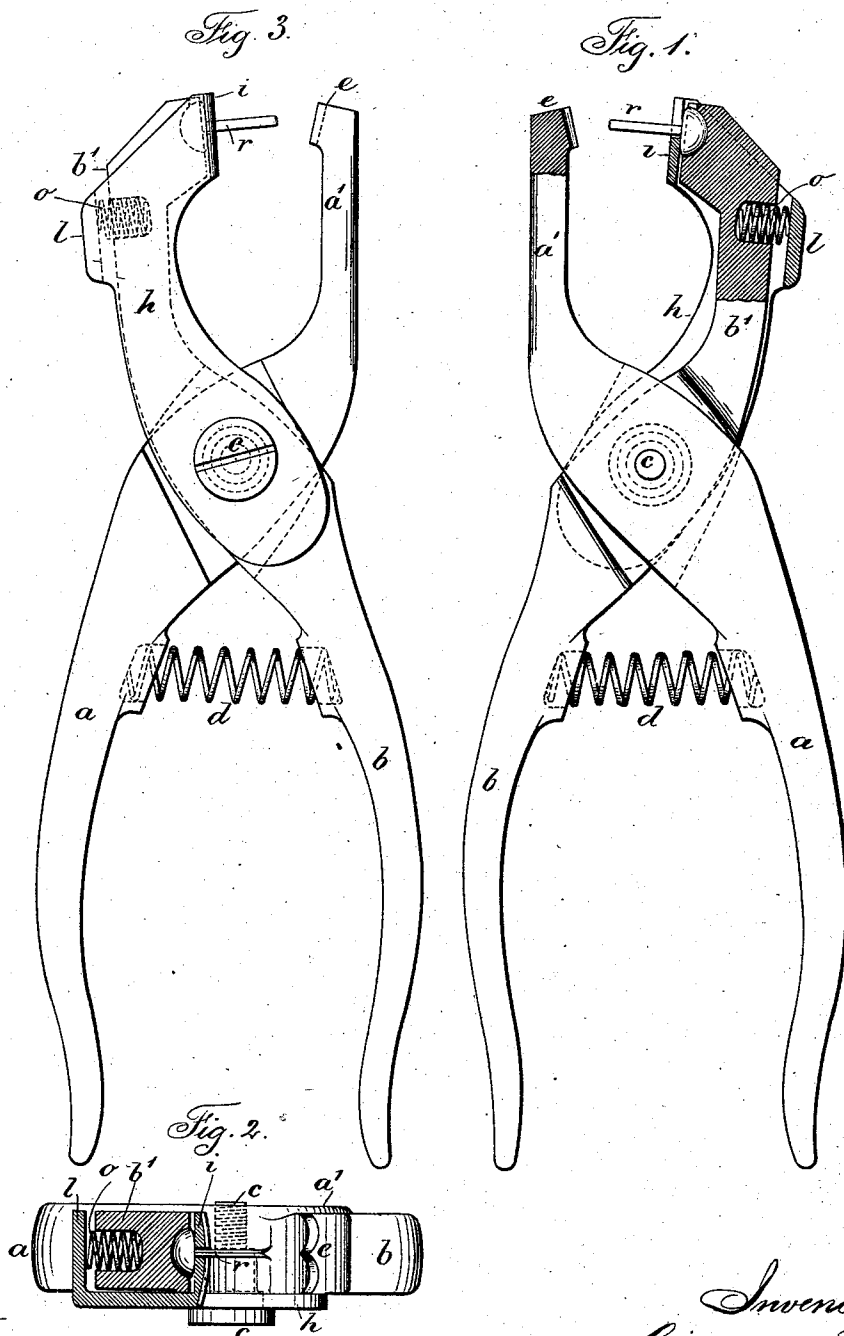
(No Model.)

C. A. KOEHLER & C. VOGEL.

INSTRUMENT FOR ATTACHING BUTTONS.

No. 292,437.

Patented Jan. 22, 1884.



Witnesses :

J. Staib
Chas H. Smith

Inventors:
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UNITED STATES PATENT OFFICE.

CONRAD A. KOEHLER, OF BROOKLYN, NEW YORK, AND CHARLES VOGEL,
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INSTRUMENT FOR ATTACHING BUTTONS.

SPECIFICATION forming part of Letters Patent No. 292,437, dated January 22, 1884.

Application filed May 31, 1883. (No model.)

To all whom it may concern:

Be it known that we, CONRAD A. KOEHLER, of Brooklyn, in the county of Kings and State of New York, and CHARLES VOGEL, of Fort Lee, in the county of Bergen and State of New Jersey, have invented an Improvement in Machines for Attaching Buttons, of which the following is a specification.

Machines have been made in which the shank of the button is received into a slotted holder, and in which the staple is at one side of the holder and the button-head at the other side. In some instances a wedge has been passed between the slotted holder and the under side of the button-head.

Our invention relates to a machine for attaching buttons, in which the head of the button is grasped between a jaw and a slotted holder, so that the force which is exerted to press the staple-shank of the button into the leather or other material acts directly upon the button-head.

In the drawings, Figure 1 is a side view, partially in section. Fig. 2 is an end view of the implement with the jaw in section, and Fig. 3 shows the opposite side of the button-attaching machine to that shown in Fig. 1.

The handles *a* and *b* are pivoted at *c*, and at *d* there is a spring of any suitable character to open the handles. The handle *a* is continued along as a jaw, *a'*, and the handle *b* as a jaw, *b'*.

At the outer end of the jaw *a'* there is a spreading-block, *e*, formed with a central ridge that is comparatively sharp, and with curved recesses, one at each side of the ridge. In the jaw *b'* there is a recess adapted to receive the button-head. The plate *h* is at the side of the jaw and swings upon the pivot-screw *c*, and there is a flange or lip, *l*, that reaches above the jaw *b'*, and the spring *o* is recessed into the jaw *b'*, and acts upon the lip *l* to swing this plate *h* and bring the slotted holder *i* up toward the jaw *b'*. The slotted holder *i* and the recess in the jaw *b'* are shaped

so that the button-head will be held by the holder *i* into the recess in *b'*, and the slot in the holder *i* will contain the shank *r* of the button. This shank *r* is made with penetrating-points, that are a slight distance from each other; hence, when the points of the shank are caused to bear upon the leather or other material to which the button is to be attached, and the handles are pressed, the points of the shank penetrate and pass through such material and are turned up and clinched by the concave surfaces of the spreading-block *e*.

After the button has been attached in place, the head is liberated by pressing upon the lip *l*, and the instrument is then removed from the button and ready to receive the head of another button.

We are aware that some of the separate parts employed by us have been used before; hence our improvement relates to the combination of devices.

We claim as our invention—

1. The combination, in a button-attaching implement, of two handles pivoted together, two jaws, one of which is recessed for the reception of the button-head, and the other is provided with ridge for spreading the penetrating-points, and a slotted plate for receiving the button-shank, and a pivot upon which such slotted plate swings, substantially as specified.

2. The plate *h*, pivoted at *c*, and having the slotted holder *i* and the lip *l*, in combination with the jaw *b'*, having a recess for the button-head, the spring *o*, acting upon the lip *l*, and the spreading-block *e*, and jaw *a'*, substantially as set forth.

Signed by us this 28th day of May, A. D. 1883.

CONRAD A. KOEHLER.
CHARLES VOGEL.

Witnesses:

WILLIAM G. MOTT,
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