

**No. 682,208.**

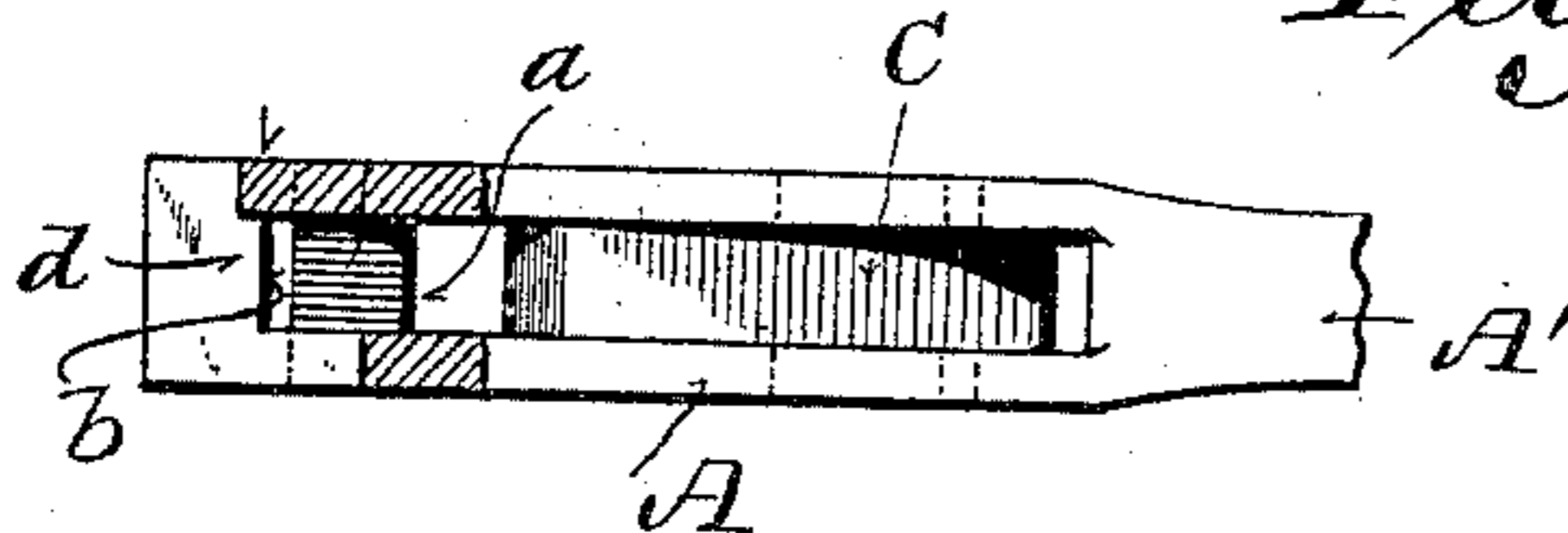
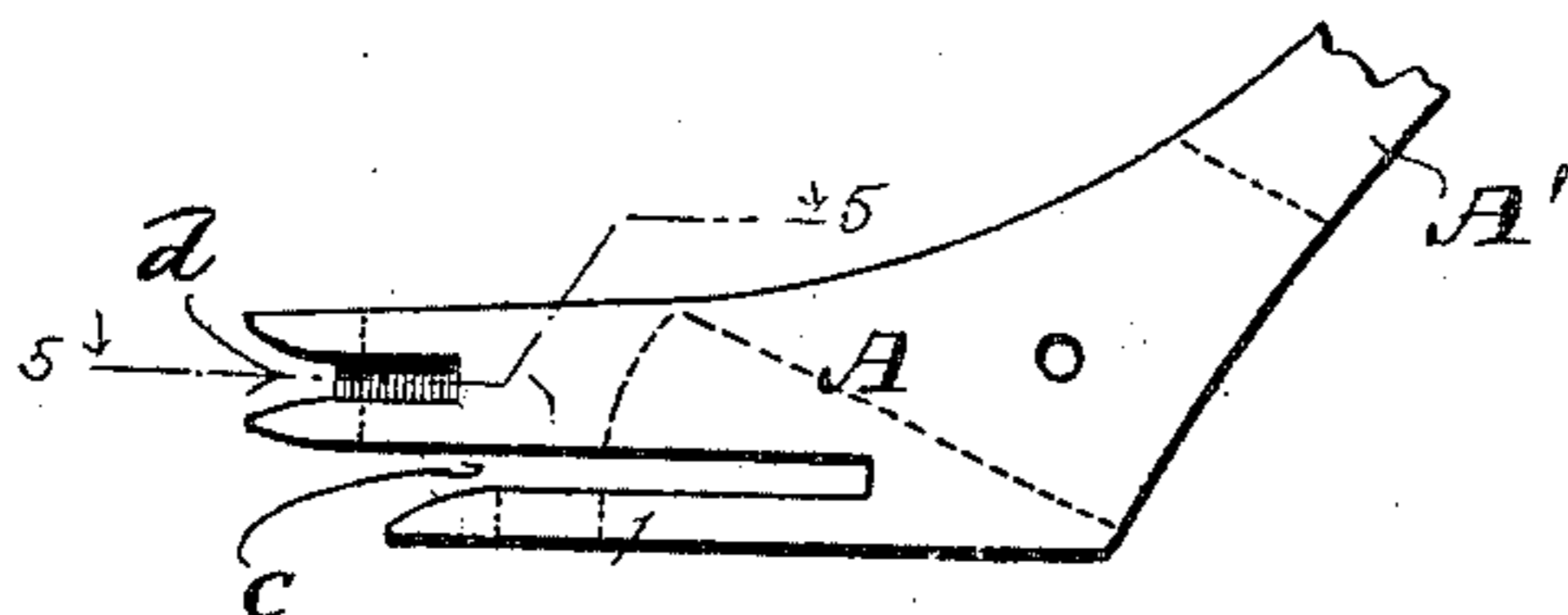
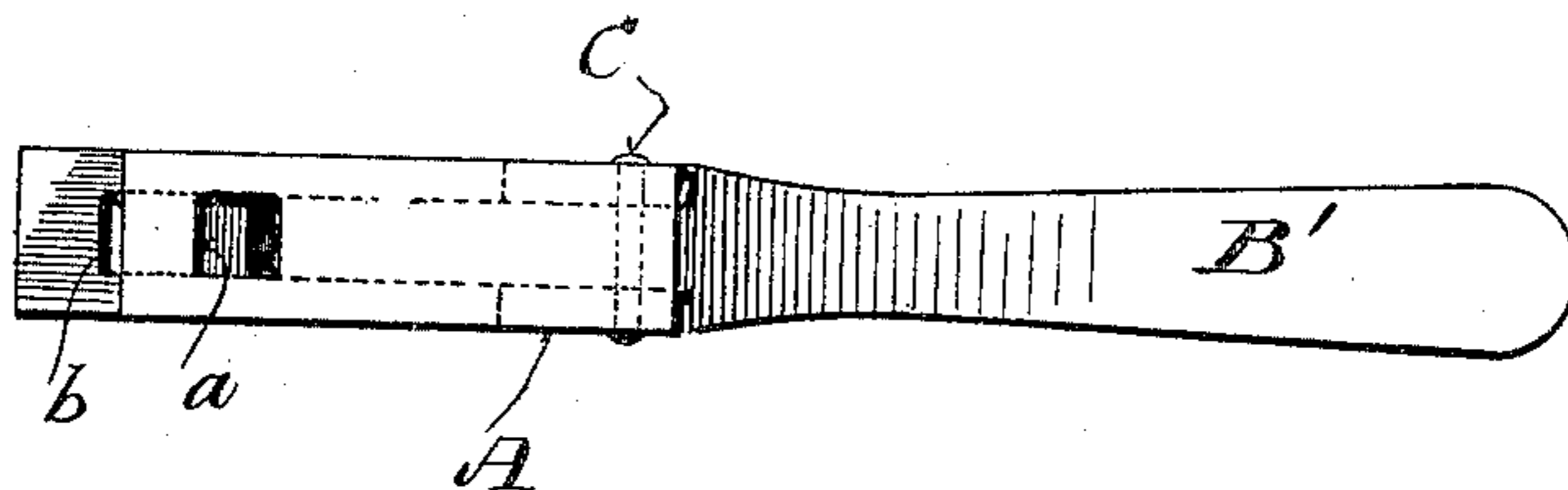
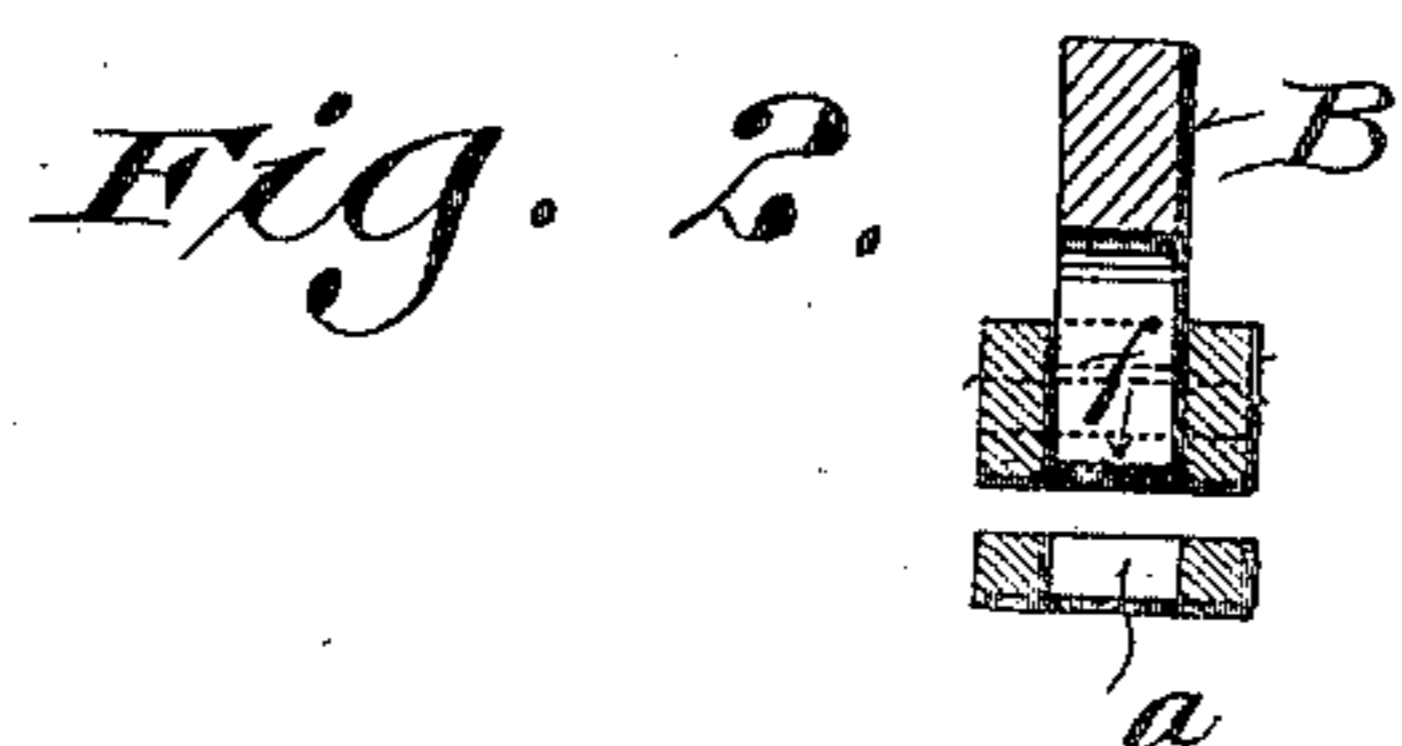
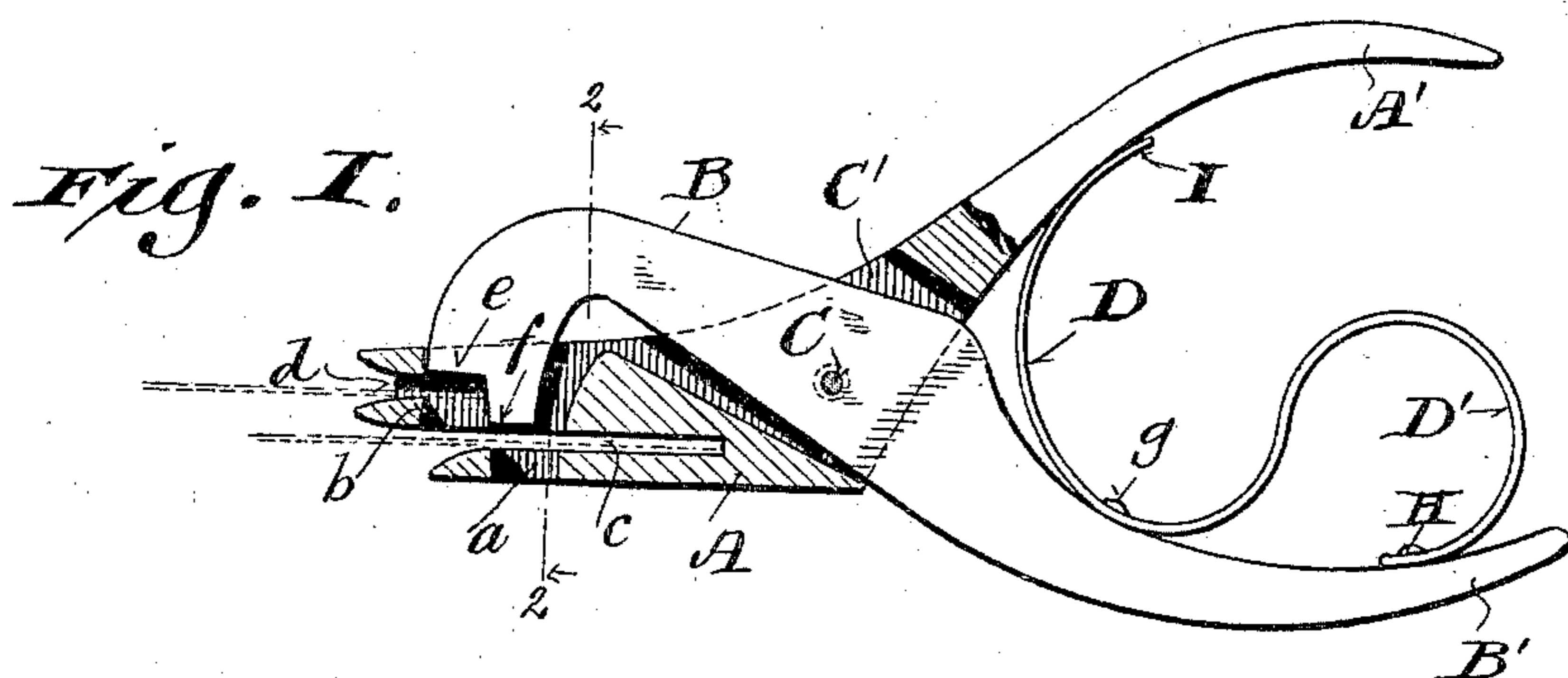
Patented Sept 10, 1901.

D. S. LEMEN.

COMBINATION TICKET PUNCH.

(Application filed Sept. 7, 1900.)

(No Model.)



Witnesses:  
Geo W. Young.  
Gustav Krupold

Inventor  
David Samuel Emerson.

# UNITED STATES PATENT OFFICE.

DAVID SAMUEL LEMEN, OF MILWAUKEE, WISCONSIN.

## COMBINATION TICKET-PUNCH.

SPECIFICATION forming part of Letters Patent No. 682,208, dated September 10, 1901.

Application filed September 7, 1900. Serial No. 29,339. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID SAMUEL LEMEN, residing at Milwaukee, Milwaukee county, State of Wisconsin, have invented certain  
5 new and useful Improvements in a Combination Ticket-Punch, of which the following specification is a full, clear, and exact description.

My invention relates to improvements in  
10 that class of hand ticket-punches by which two or more different forms or styles of mark may be made with a single instrument. Heretofore it has been common in this class of punches to locate the several dies in several  
15 separate jaws or levers, whereby a large number of parts have been required, and by some forms of construction it is necessary to adjust the instrument when it is desired to change it from one form of die to another,  
20 and by still other forms it is necessary to manipulate different operating-handles for the different dies, thus requiring a loss of time in changing the instrument from one form to another.

25 The object of my invention is to provide a punch which is simple in construction, consisting solely of two separate movable parts resembling an ordinary pair of pincers, in which the several styles of forms of male dies  
30 are located in one jaw and the opposing female dies in the opposite jaw, such parts being so constructed and arranged that any pair of dies may be operated without readjusting the dies or changing the position of the instrument in the hand of the operator, whereby  
35 great simplicity of construction and convenience in operating as compared with others are attained.

My invention is further explained by reference to the accompanying drawings, in which—

Figure 1 is a view in side elevation, part being in vertical section and parts being broken away to show the interior construction. Fig.  
45 2 is a sectional view showing the arrangement of the dies and slots, drawn on line 2 2 of Fig. 1. Fig. 3 is a view from the under side of the punch. Fig. 4 is a side view of one of the jaws, showing the arrangement of the ticket-slots. Fig. 5 is a top view of the lower jaw,  
50 part in section, drawn on line 5 5 of Fig. 4.

Like parts are identified by the same reference-letters throughout the several views.

A represents one of the jaws of the punch in which the female dies are located.

B is the opposing jaw in which the male dies are formed.

A' and B' are the operating-handles. The jaw A is provided with a recess C' for the reception of the handle B'. The jaws A and B  
60 are secured together by the pivot C. The jaw A has two slots *c* and *d* to admit the tickets preparatory to being punched. The slot *c* is made longer than the slot *d* for the admission of all ordinary tickets, while the slot *d* is a  
65 short slot intended for commutation-tickets. The slot *d* has a shoulder or stop at its inner end to prevent the ticket from going through too far. When the punch is closed, the male die *f* passes through both slots *c* and *d* and  
70 into the female die *a*. The male die *e* is simply a shoulder formed on the male die F, which passes through the slot *d* and into the female die *b*.

D is an actuating-spring, by which the jaws  
75 of the punch are thrown open when the handles are released from the grasp of the operator. The spring D is preferably S-shaped in form and is secured to the handle B' by the rivets *g* and *h*. The circular bend D' of the  
80 spring serves as a loop, from which the punch may be suspended from the thumb or fingers of the operator when manipulating his tickets.

Having thus described my invention, what I claim as new, and desire to secure by Letters  
85 Patent, is—

1. In a ticket-punch, the combination of two movable parts, each comprising a handle and a jaw pivotally connected together, one of said jaws being provided with a plurality  
90 of longitudinal ticket-receiving slots, and a plurality of transverse slots, or female dies, opening toward the opposing jaw and extending inward transversely through said longitudinal slots, said opposing jaw being pro-  
95 vided with a plurality of male dies respectively registering with said female dies, and of different lengths corresponding with the depth of the seats of said female dies from the face of their containing-jaw, substantially  
100 as set forth.

2. In a ticket-punch, the combination of

two movable parts, each comprising a handle and a jaw, one of said handles being provided with a recess for the reception of the opposing handle, in which the same is pivoted, one  
5 of said jaws being provided with a plurality of longitudinal slots, and a plurality of transverse slots, or female dies, having seats respectively in said longitudinal slots; and the other jaw being provided with a plurality of  
10 male dies registering and corresponding in length with the depth of said female dies, substantially as set forth.

3. In a ticket-punch, the combination of two movable parts, each comprising a handle  
15 and a jaw pivotally connected together, one of said jaws being provided with a plurality of longitudinal ticket-receiving slots and a plurality of transverse slots or female dies, opening toward the opposing jaw and extend-  
20 ing inward transversely through said longi-

tudinal slots, said opposing jaw being provided with a plurality of male dies respectively registering with said female dies, and of different lengths corresponding with the  
25 depth of the seats of said female dies from the face of their containing-jaw; and an S-shaped actuating-spring interposed between said handles, said spring being rigidly affixed centrally and at one end to one of said handles, and adapted to bear at its free end  
30 against the opposing handle, all substantially as set forth.

In witness whereof I have hereunto set my hand, this 3d day of September, A. D. 1900, in presence of two subscribing witnesses.

DAVID SAMUEL LEMEN.

In presence of—

GUSTAV LEUPOLD,  
CHAS. H. NOLTE.