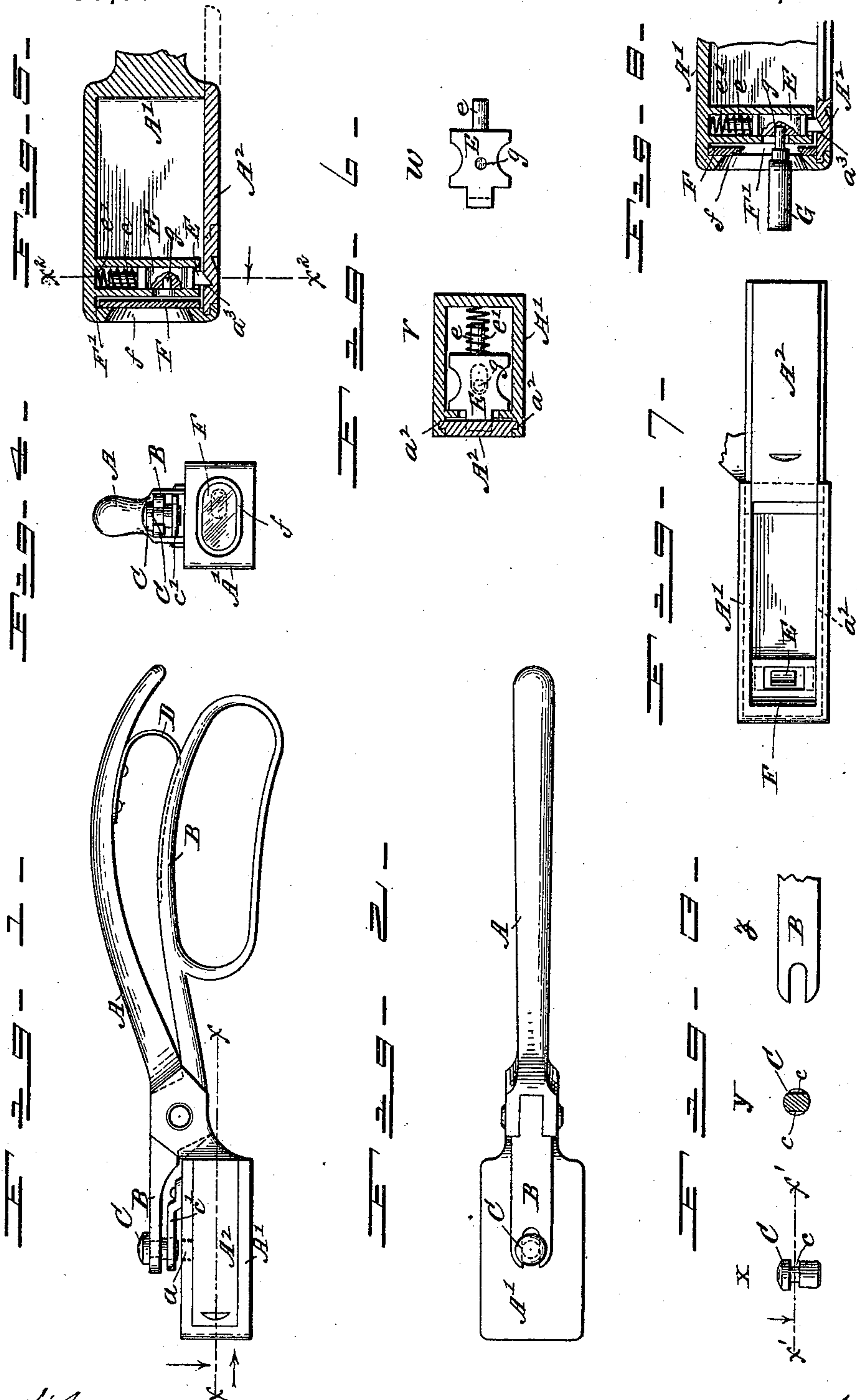


(No Model.)

K. F. PETERSON.
TICKET PUNCH.

No. 439,038.

Patented Oct. 21, 1890.



Witnesses,
Henry Frankfurter,
Geo. W. Levin.

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UNITED STATES PATENT OFFICE.

KNUTE FRANKLIN PETERSON, OF RAVENSWOOD, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO JANE G. PETERSON AND CLARA B. BILLINGS, BOTH OF CHICAGO, ILLINOIS.

TICKET-PUNCH.

SPECIFICATION forming part of Letters Patent No. 439,038, dated October 21, 1890.

Application filed May 31, 1888. Serial No. 275,664. (No model.)

To all whom it may concern:

Be it known that I, KNUTE FRANKLIN PETERSON, a citizen of the United States, residing at Ravenswood, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Ticket-Punches, of which the following is a full, clear, and sufficient description, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

My invention relates to improvements in ticket-punches for railway and other uses, which are provided with a receptacle for receiving and retaining the punchings from tickets, which indicate, after being punched, the amount paid to the conductor or other collector, and which are generally delivered to the payor as a receipt for the payment made, the retained punchings forming a record, independent of the collector's account, of the moneys received by him from the passengers or other payors.

The object of the invention is to produce a receptacle ticket-punch provided with a device or devices forming means for preventing access to the interior of the receptacle and therefore tampering with the punchings contained therein, except through the breaking or mutilating of the said device or devices. To this end a punch embodying my invention is provided with a receptacle desirably having a movable door or cover, which is secured in closed position by means of suitable devices carried thereby or co-operating therewith, so located that the same cannot be reached from the exterior of the receptacle, except as is hereinafter set forth. A frangible seal, as of glass, earthenware, or the like, is located within or about the interior of the receptacle and secured in position by the closing of the cover or door, from which position it cannot be removed unless destroyed or the cover or door is opened. An opening is provided through which access may be had to the devices which secure the cover or door in closed position, the frangible seal being interposed between the said opening and cover or door-securing devices.

The securing devices may be arranged to

be withdrawn from locking position through the employment of a key or other means suitable for the purpose; but it is essential that the seal shall be broken or mutilated before access can be had thereto.

While the invention may be embraced in various forms of construction and arrangement, I have for the purposes of this application deemed it only necessary to illustrate what I consider to be the most convenient and inexpensive form in which the same can be embodied for effective and durable service.

In the drawings, Figure 1 shows in side elevation a ticket-punch embodying a receptacle, movable door, and frangible seal, the device being illustrated as arranged for use. Fig. 2 is a top plan view thereof. In Fig. 3, $x y z$ are details, respectively, showing the male die in elevation and cross-section and the end of the jaw B, which operates the same. Fig. 4 is an end elevation of the device looking in the direction indicated by the horizontally-drawn arrow shown in Fig. 1. Fig. 5 is a horizontal section taken upon the line X X of Fig. 1, looking in the direction indicated by the vertically-drawn arrow therein shown. In Fig. 6, $v w$ are details, respectively, in cross-section and elevation, showing the means which I preferably employ for securing the movable door in closed position. Fig. 7 is a detail in side elevation, showing the door withdrawn from the receptacle. Fig. 8 is a broken detail in horizontal section illustrating the manner in which the devices for securing the door in closed position may be withdrawn after the frangible seal is broken.

Referring by letter to the said figures, A B indicate hinged jaws, the former being provided with a receptacle A', which carries a suitable female die a , which communicates with the interior thereof.

C indicates a male die or punch corresponding with the female die a , which works in a guide c' , fixed to the outer upper surface of the receptacle, being operated by the jaw B, the end of which is bifurcated, as shown in Figs. 2, 3, and 4, so as to operatively engage with the punch by its laterally-recessed portion c .

D indicates a spring fixed to one of the

said jaws and bearing against the other, the office of which is to normally hold the same apart, as particularly shown in Figs. 1 and 4.

5 A^2 is a door longitudinally movable in guideways a^2 , formed in the receptacle A' , said door being provided with a recess a^3 in its inner face, which receives, when in its receptacle-closing position, the end of a spring-latch E , preferably located in a chamber
10 formed interior of the receptacle, substantially as shown.

e' is a coiled-wire spring carried by the stem e of the latch E , its office being to normally exert a tension outwardly upon said
15 latch, its resiliency being directed against the side wall of the receptacle and the latch.

F indicates a frangible seal located within a chamber F' , formed interior of the receptacle outwardly adjacent to the chamber of the
20 latch E and intermediate the same and an opening f , formed in the end of the receptacle, being secured within its chamber by the door A^2 when in its closed position, as shown particularly in Figs. 5 and 8, and thus pre-
25 venting manipulation of the latch by means of the key G , which being intended to pass through a suitable opening in the partition between the latch and seal chambers, and to

then be inserted in a recess g , formed in the latch, obviously cannot be employed until the
30 seal is broken.

In the construction which I have shown herewith the seal F is arranged to be broken by any suitable means exterior of the recep-
35 tacle; but I do not limit myself to any manner or means for breaking the same, or the manner in which the same shall be employed in a receptacle-punch.

I claim as my invention and desire to secure by Letters Patent—

40 In a ticket-punch, the combination of a receptacle for the clippings, a movable cover for closing said receptacle, a latch arranged within said receptacle and adapted to lock said cover in its closed position, and adapted,
45 also, to be operated from the exterior of the receptacle, and a seal arranged in a recess in said receptacle and covering said latch and adapted to be locked in position by the closing of said cover and preventing access to
50 said latch until broken, substantially as described.

K. FRANKLIN PETERSON.

Witnesses:

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