

(No Model.)

W. C. FISK.
TICKET PUNCH.

No. 301,052.

Fig. 1. Patented June 24, 1884.

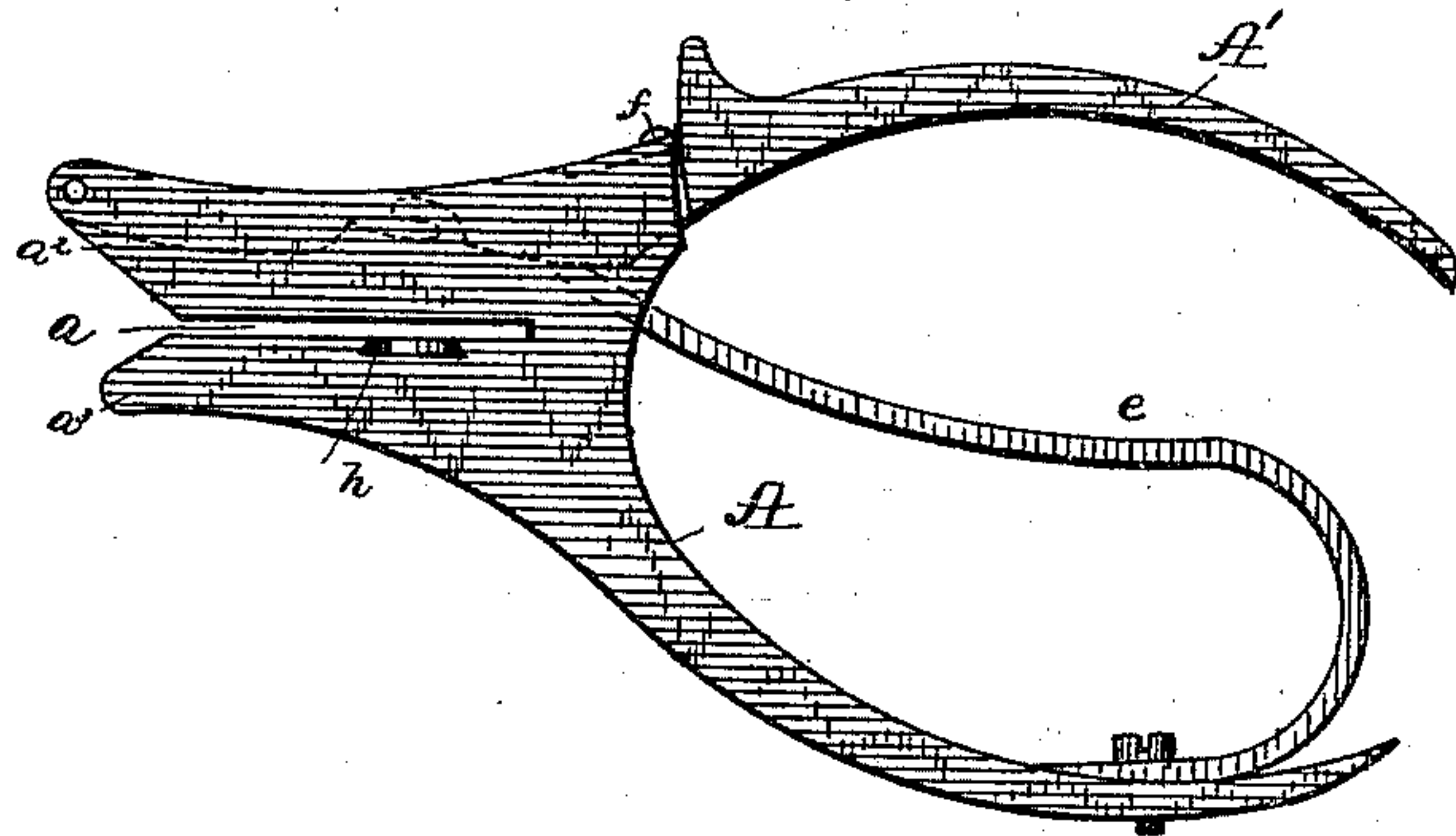


Fig. 2.

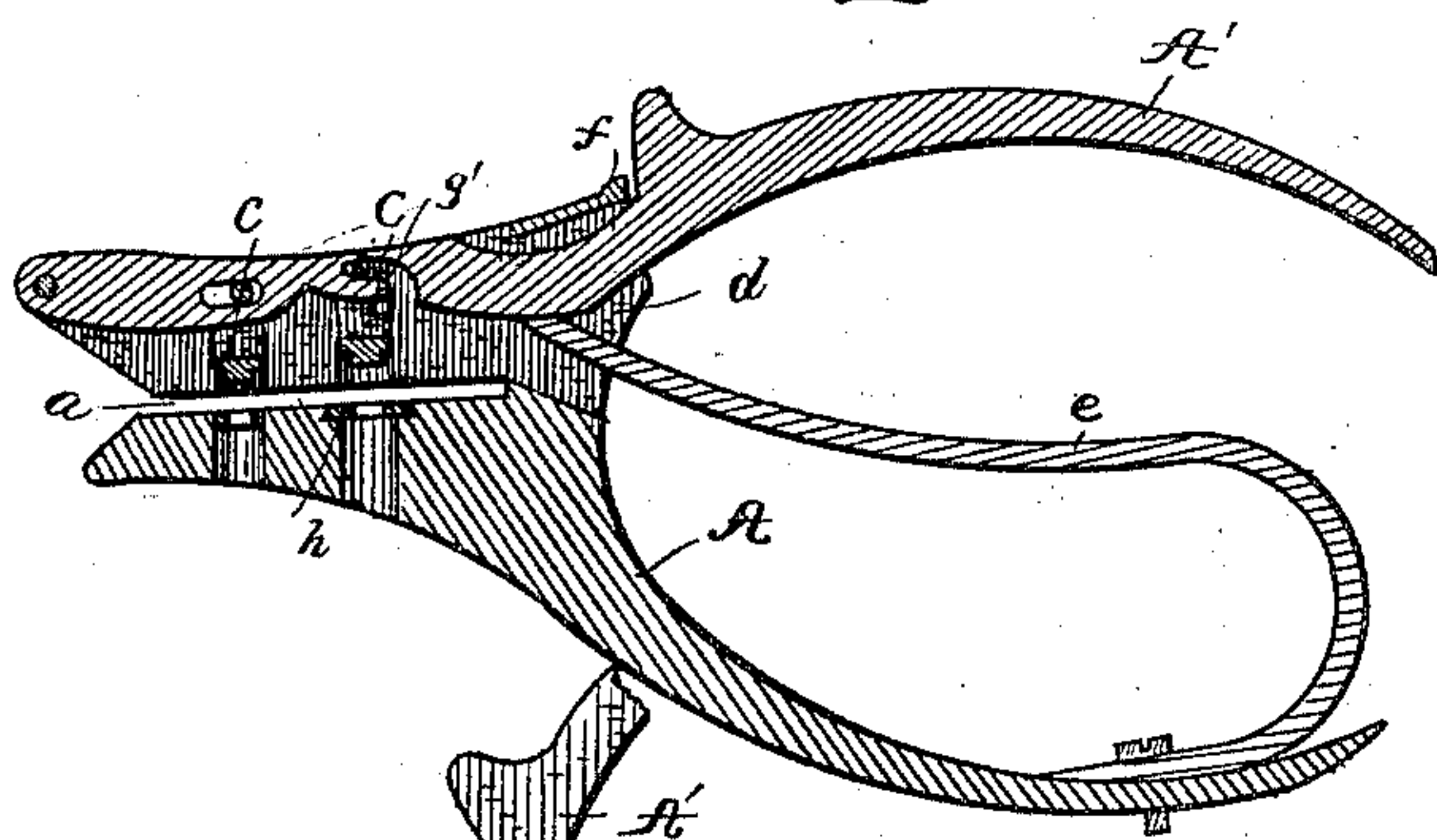
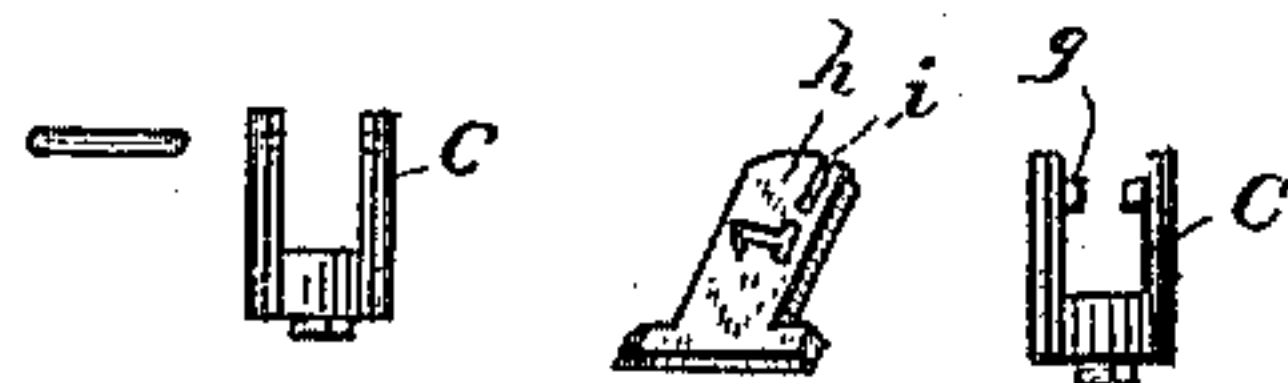
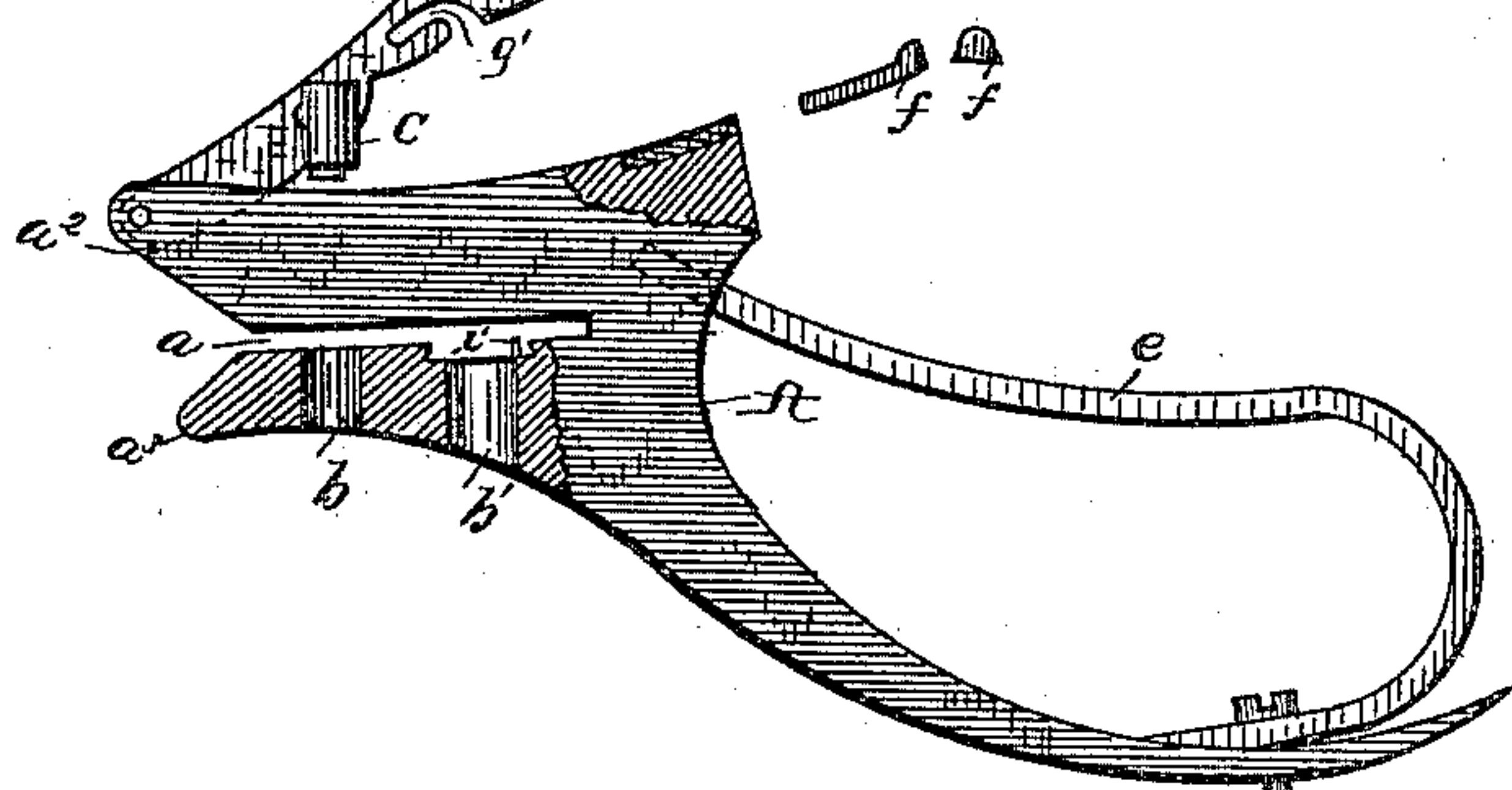


Fig. 3.



WITNESSES

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WILLIAM COWAN FISK, OF TOLEDO, OHIO.

TICKET-PUNCH.

SPECIFICATION forming part of Letters Patent No. 301,052, dated June 24, 1884.

Application filed May 5, 1884. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM C. FISK, a citizen of the United States of America, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Ticket-Punches, of which the following is a specification, reference being had therein to the accompanying drawings.

10 The object of this invention is to devise means to effectually guard against the commission of fraud by the double use of railroad fare-tickets; and it consists of a punching contrivance or device substantially as herein-
15 after fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a side elevation of my invention. Fig. 2 is a longitudinal section thereof. Fig. 3 is a view
20 partly in elevation and partly in section, with the movable-jaw handle elevated and the numbering and designating or lettering dies removed, together with said jaw-retaining device or stop, the same being disposed a little
25 at one side.

In the organization of my invention I employ a fixed jaw, A, or lever A', said jaw having, in addition to a handle, in common with the lever, a horizontal slot, a, about equal in
30 depth to the thickness of the fare-ticket which it is designed to punch or designate and number and cancel. The forward end of jaw A is slightly bifurcated, the upper greater prong, a², being beveled, together with the lower or
35 lesser prong, a³, inwardly toward each other, to facilitate the insertion or guiding of the ticket into the slot a. Transversely through the jaw A, extending vertically through both that portion above and that portion below its
40 slots, are two apertures or passages, b b', one receiving the lettering or designating die, and the other receiving in the upper portion the numbering-die, for indicating the division of the road on which a fare or passage ticket is
45 canceled, said dies being registered in the office of the company as the private mark of the conductor using the punch, both of which dies will be presently described. The lever or movable jaw A' is pivoted at its extreme forward
50 end in the same named end of the jaw A, and fits in a vertical slot, d, in the upper portion

of the main jaw A, so as to work therein in effecting the punching operation, said slot extending through the upper portions of the die apertures or passages b b'. A spring, e, fast-
55 ened to the outer end of the handle of the fixed jaw, and with its inner end extending into a slot in the inner lower portion of said jaw, serves to elevate the lever A' with its dies after its depression in effecting the punch-
60 ing operation.

C C are respectively the die registered as the conductor's private mark and the numbering and canceling die, the latter containing the numeral or figure it is intended to punch
65 in the ticket to indicate the number of the division of the route previously determined, as will be more fully referred to further on. The lever A' is retained as against too great an
70 upward movement by a stop or retaining device, f, with a horn or projection upon it for its convenient manipulation, and slid into grooves in the walls or sides of the slot d at the upper inner end of the latter. The movable
75 dies are bifurcated or slotted in their upper portions, to enable the fitting of the same upon the lever A' within the apertures or passages b b', one side or wall of the slot of each die having a projection, g, which fits into an approximately right-angled slot, g', in one side
80 of the lever A', said projections entering the downwardly-opening end of said slots upon placing the dies in place previously to their insertion into the apertures or passages b b'. By this arrangement or thus rendering the
85 dies removable, they can be readily exchanged for others, according to the division of the road it is desired to represent, the cancellation by number showing the portion or division of the road over which the ticket has been
90 used from the point of issue toward the destination named on the ticket.

In the face or lower side of the slot a, coincidently with the numbering-die, is a slot or recess, to hold and permit the ready sliding in
95 and out of the same, to effect its exchange, of a matrix stamped in a plate, h, to unite with its die in punching the ticket. It (the matrix-plate) is provided with a slot, i, which receives a stop, i', upon said surface of said slot a, to
100 limit the extent of the insertion of said plate, so as to dispose the matrix coincidently with

the die. It being assumed that there are a number of divisions along the route, (as is a fact with railroads generally,) and each division being numbered in a certain order, then
5 the conductor or conductors of the train will have a series of numbering-dies such as above described, numbered according to said divisions, whereby the required division-number can be punched into the ticket.
10 With this device, should it happen that the conductor failed to have punched the ticket on the first or any division, when the ticket is presented for passage on a subsequent division, the required division-number will be
15 punched into the ticket, which will thus effect the canceling of the ticket for all the divisions passed, thereby preventing the reusing of the same ticket over a portion of the road except when the ticket is issued for a "round trip," or
20 passage from the point of issue to some other place and return.

Having thus fully described my invention,

what I claim, and desire to secure by Letters Patent, is—

1. In a fare-ticket punch, the punch having the exchangeable dies, substantially as set forth. 25

2. In a punch, the designating and numbering dies, each slotted, and having a projection projecting into an approximately right-angled slot in the pivoted jaw or lever, substantially as and for the purpose set forth. 30

3. In a punch, the combination, with the vertically-slotted fixed jaw, of the pivoted jaw or lever and the slide or stop fitted into the slot of the fixed jaw to retain the lever in its normal position, substantially as and for the purpose set forth. 35

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM COWAN FISK.

Witnesses:

A. K. DETWILER,
GEO. K. DETWILER.