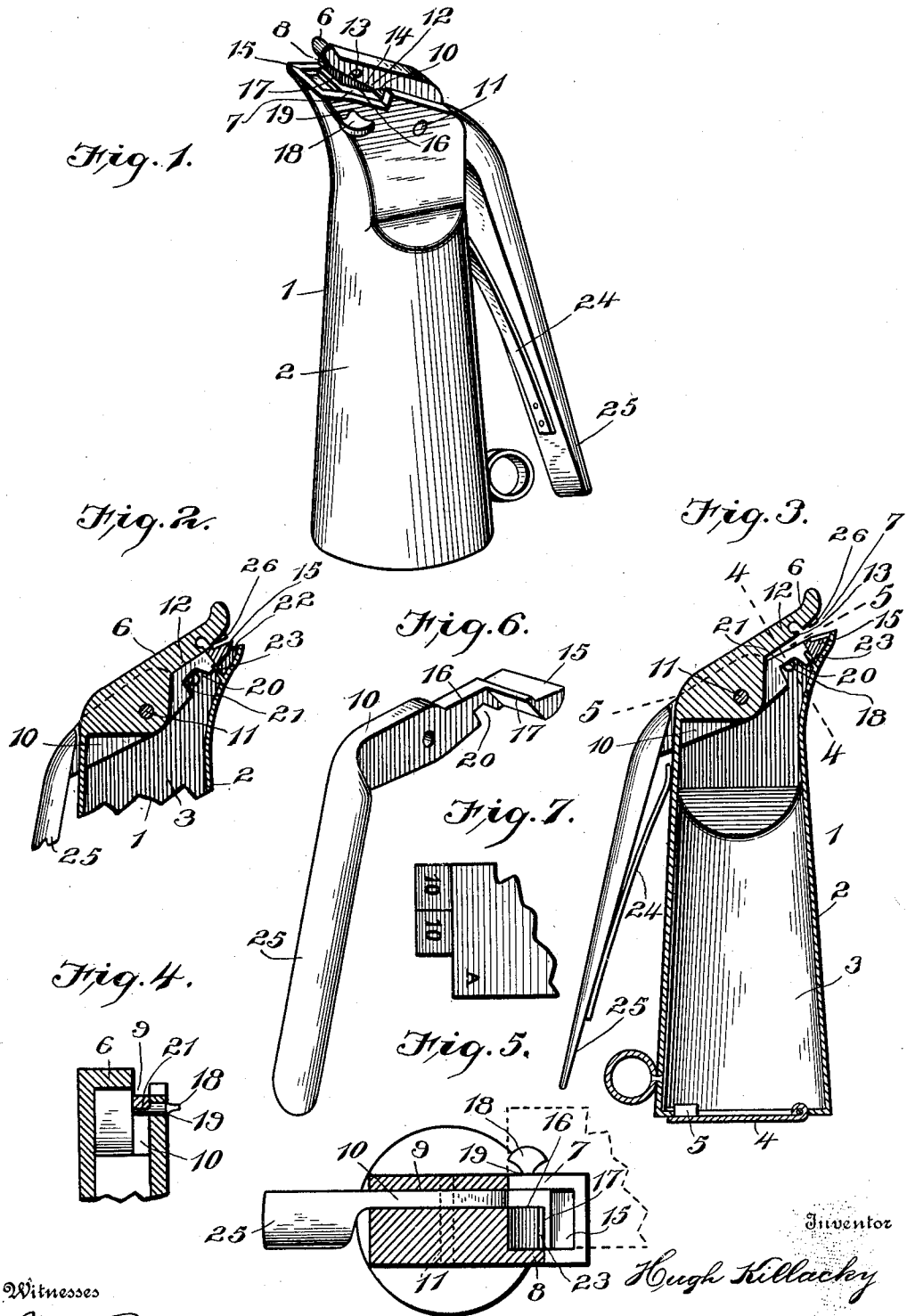


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PATENTED AUG. 21, 1906.

H. KILLACKY.
TICKET PUNCH.

APPLICATION FILED DEC. 11, 1905.



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HUGH KILLACKY, OF CHICAGO, ILLINOIS.

TICKET-PUNCH.

No. 829,273.

Specification of Letters Patent.

Patented Aug. 21, 1906.

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To all whom it may concern:

Be it known that I, HUGH KILLACKY, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Ticket-Punches; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this specification.

My invention relates to the class of ticket-punches designed particularly for the use of conductors, pursers, &c., and has for its object to provide a device of this class wherein the clippings from the tickets fall into a receptacle in the handle of the punch so as to be subsequently audited.

With this object in view my invention consists in the novel construction of certain parts of the punch and in the construction providing for marking the ticket punched with a letter, numeral, or other symbol, by which the particular ticket-punch used may be identified.

My invention also consists in certain other features of construction and in combination of parts, which will be first fully described and afterward specifically pointed out in the appended claims.

Referring to the accompanying drawings, Figure 1 is a perspective view of the punch. Fig. 2 is a fragmentary view showing the movable jaw in a locked position. Fig. 3 is a vertical longitudinal section through the punch. Fig. 4 is a transverse section taken on line 4 4 of Fig. 3. Fig. 5 is a cross-section taken on line 5 5 of Fig. 3, and Fig. 6 is a perspective view of the movable or pivoted jaw. Fig. 7 is a fragmentary view of the punched ticket.

Like characters of reference indicate the same parts throughout the several figures, in which—

1 indicates the punch, having the hollow handle 2, forming a receptacle 3. The bottom of said handle is provided with a hinged door 4, provided with a lock 5, operated by a suitable key. The stationary jaw 6 is formed on the handle, and a slot 7, Fig. 5, is provided for the reception of the ticket. As will be seen from Fig. 5, a stop 8 is provided,

against which the edge of the ticket rests, and is provided in such manner that the corner of the ticket is punched and the corner is cut away, as will be hereinafter fully described. Referring also to Fig. 5, it will be seen that a vertical slot 9 is provided in the top of the punch to accommodate the movable or pivoted jaw 10, which is pivoted within the punch at 11, as shown. On the fixed jaw 6 is formed a rectangular portion 12, Figs. 1 and 2, having its forward edge 13, Fig. 3, and side edge 14, Fig. 1, sharp.

Referring to Fig. 6, it will be seen that the movable jaw 10 is provided with a forward extension 15 at right angles thereto, said extension 15 being of a length equal to the forward edge of the rectangular portion 12 on the fixed jaw. The inner edge 16 of the movable jaw 10 and the inner edge 17 of the extension 15 are formed sharp and fitted to coact with the said sharp edges of the rectangular portion 12. It will also be noted that the greater portion of the top surface of the extension 15 is formed lower than the cutting edges 16 and 17 for a purpose which will be presently described.

18 indicates a thumb-screw which enters the side of the punch at 19, and it will be seen that a portion of the pivoted jaw 10 is cut away at 20 to accommodate said screw. The inner portion of the said screw 18 is cut away at 21, as shown, in such manner that it presents a flat side. This construction is for the purpose of locking the pivoted jaw in position shown in Fig. 2, as when carrying the punch in the pocket, so as to guard against possible loss of the clippings from the tickets within the handle of the punch, as unless the movable jaw is locked as described there is a possibility of the clippings falling out of the punch between the fixed and movable jaws.

When the movable jaw is in the position shown in Fig. 2, there is a space 22 between the movable jaw and the end of the punch, and in order to guard against the possible passage of the clippings through this space I provide a transverse wall 23 across said space, as shown in Fig. 2.

In order to hold the movable jaw in its normal position, (shown in Figs. 1 and 3,) I provide a leaf-spring 24, secured at its lower end to the arm 25 of the movable jaw and bearing against the handle of the punch.

In order to mark the tickets punched so as to identify the punch used, I provide a letter,

numeral, or other symbol 26 on the fixed jaw near the end thereof, as shown in Figs. 2 and 3.

Having thus fully described the several parts of my invention, its operation is as follows: In order to punch a ticket, the same is inserted in the slot 7 until the edge of the ticket strikes the stop 8, as shown in Fig. 5. Pressure is then exerted upon the arm 25 of the movable jaw 10, which forces the said jaw into position shown in Fig. 2, the cutting edges 16 and 17 of the movable jaw coacting with the cutting edges 13 and 14 of the rectangular portion 12 of the fixed jaw thus clipping the corner from the ticket, which clipping falls into the receptacle 3 in the handle 2, and the clippings are removed from the punch through the door 4 in the bottom thereof at specified periods for auditing. In order to guard against accidental loss of the clipping when the punch is not in use, the turn-button is turned into a vertical position, which locks the movable jaw in position shown in Fig. 2. In order to identify the punch which cuts the clipping from the ticket, the extension 15 on the movable jaw 10 is arranged to press the ticket firmly against the raised symbol on the fixed jaw, thereby making an imperforate impress of the symbol on the ticket, as shown by A, Fig. 7. By this means it can be instantly ascertained what punch was used on the ticket, as each punch can have a different letter, numeral, or symbol. In order that the auditing of the clippings can be carried on properly, the border of the tickets are printed with the amount of fare, as shown in Fig. 7. Tickets between different points on a railroad will have different amounts printed thereon— as, for instance, the commutation fare between two certain points will be ten cents. Commutation-tickets will then have a certain number of squares with "Ten cents" printed thereon arranged around the border of the ticket. Each time the ticket is punched one of the squares is clipped from the ticket. In like manner tickets having other amounts printed thereon for use between other points are provided, and at each punch the amount of the fare is on the clipping, so that subse-

quent auditing will show the exact number of tickets punched and the amount of each.

Having thus fully described my invention, I do not wish to be understood as limiting myself to the exact construction herein set forth, as various slight changes may be made therein which would fall within the limit and scope of my invention as defined by the following claims.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

1. A ticket-punch having its handle hollow to form a receptacle for the clippings, said punch being provided with means for cutting a clipping from the ticket, and being also provided with means for putting an imperforate impress on the ticket adjacent to the perforation in the ticket caused by the clipping cut therefrom, in such manner that said imperforate impress will remain on the ticket after the clipping has been cut therefrom, substantially as described.

2. A ticket-punch having its handle hollow to form a receptacle for the clippings, said punch being provided with means for putting an impress on the ticket independent of the punch in the ticket, and means for locking the punching means to prevent accidental loss of the clippings, substantially as described.

3. In a ticket-punch, the combination of a fixed jaw, a receptacle associated therewith, a rectangular portion on said fixed jaw having cutting edges at its front and side, a movable jaw associated with said fixed jaw, said movable jaw being provided with a forward extension at substantially right angles to said movable jaw and having a cutting edge formed on said extension and on one side of said movable jaw, said cutting edges being disposed to coact with the cutting edges on said rectangular portion, substantially as described.

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

HUGH KILLACKY.

Witnesses:

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