

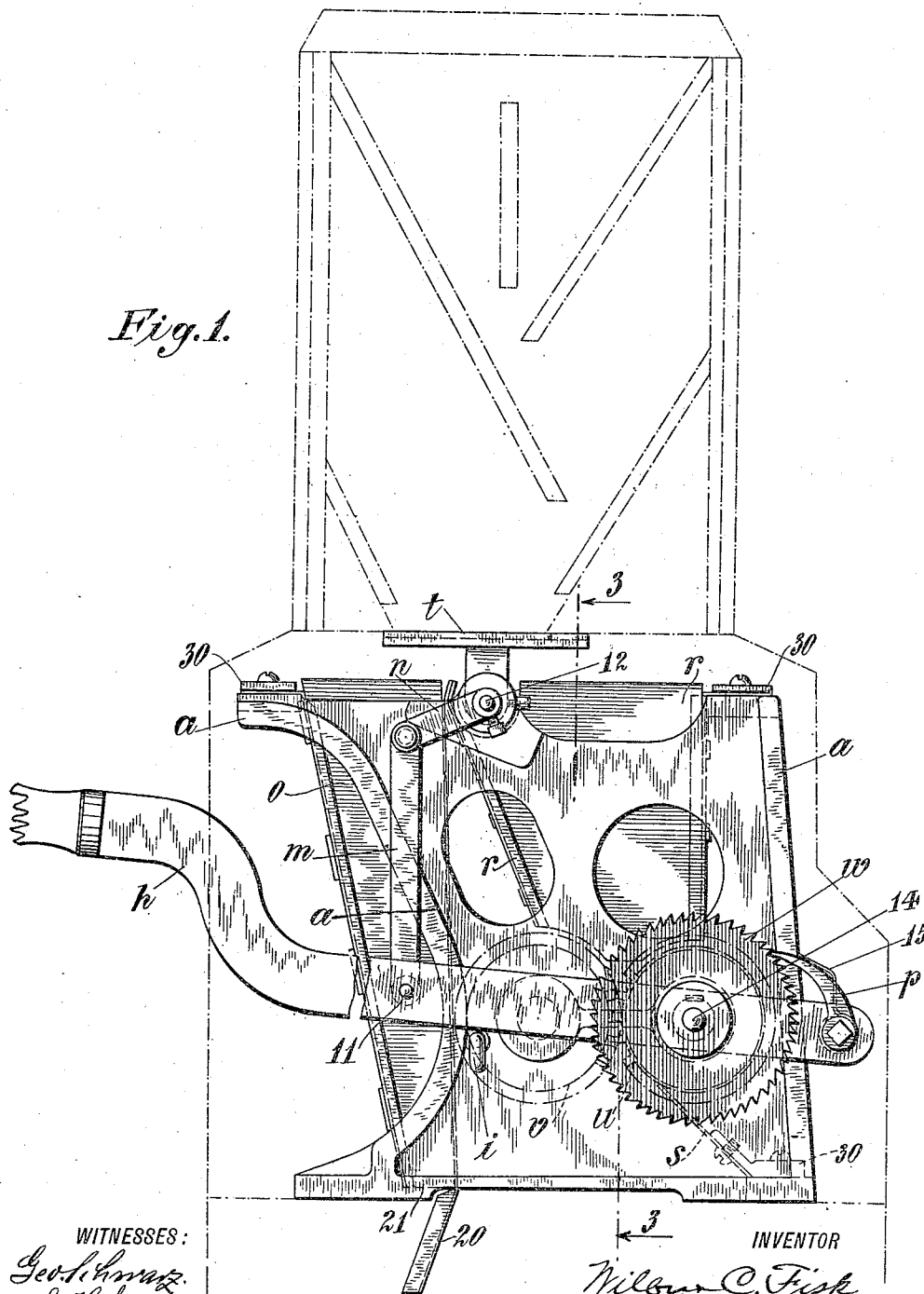
W. C. FISK & J. A. SEELY.
 CANCELING MACHINE FOR TICKETS.
 APPLICATION FILED JULY 27, 1909.

940,681.

Patented Nov. 23, 1909.

2 SHEETS—SHEET 1.

Fig. 1.

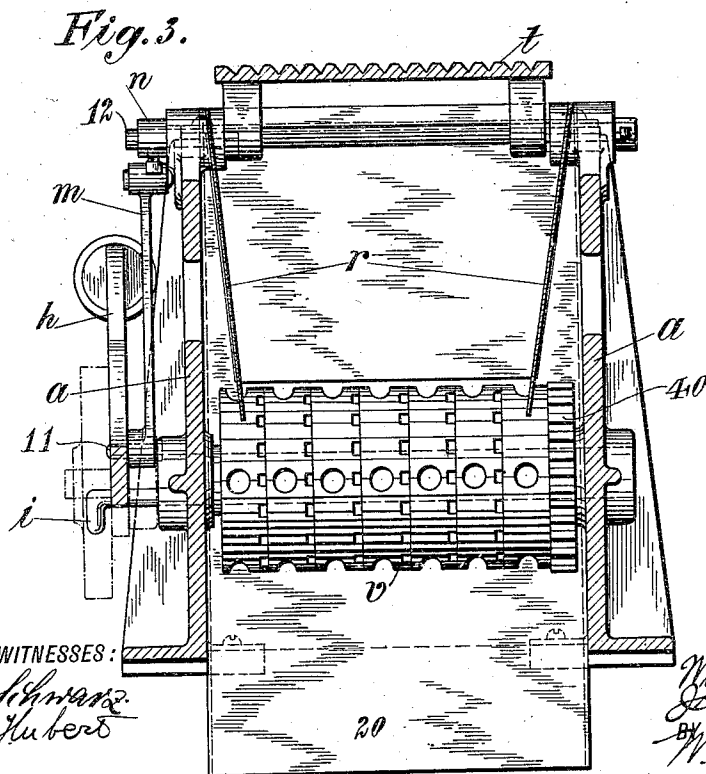
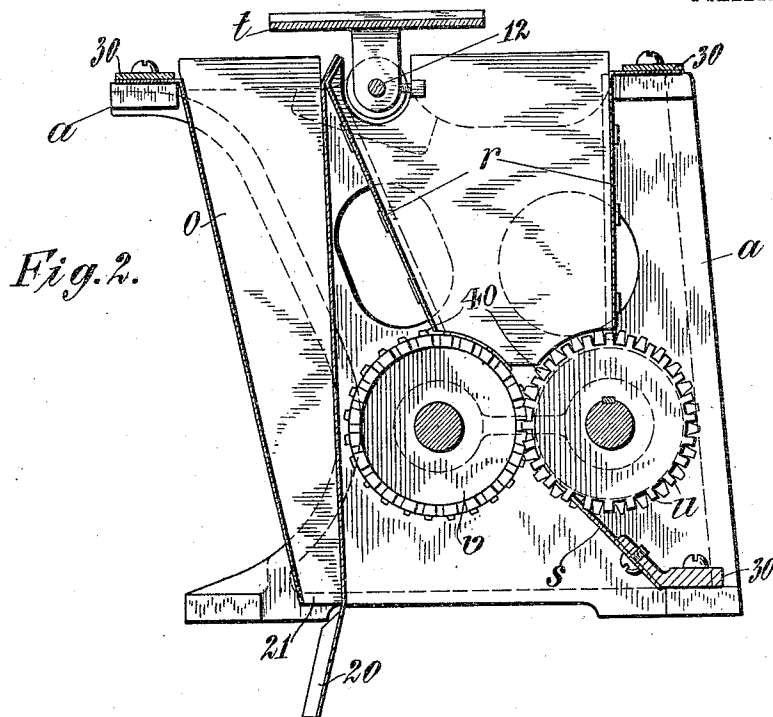


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CANCELING-MACHINE FOR TICKETS.

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Specification of Letters Patent.

Patented Nov. 23, 1909.

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To all whom it may concern:

Be it known that we, WILBUR C. FISK and JOHN A. SEELY, citizens of the United States, and both residents of New York city, in the county of New York and State of New York, have made certain new and useful Improvements in Canceling-Machines for Tickets, of which the following is a specification.

This invention relates to machines for canceling tickets such as are in common use at the entrance to railways and other public conveyances or assemblages.

The object of this invention is to improve the construction of such machines, to decrease the cost of manufacture, and to provide for separating small articles and tickets when such articles are inadvertently or absent-mindedly deposited by foot-passengers.

The improvements consist in providing a tilting table which may be tipped in either of two opposite directions and providing a block or obstruction to movement in one of said directions which requires positive removal or change before tilting the table in such direction. There are two movable passages or receptacles, formed of sheet metal, placed on opposite sides and below this tilting table, and so arranged that tickets may be passed through or into one receptacle; and small articles other than tickets, may be separated and passed through the other passage or receptacle. There is a pivoted lever with a handle for operating both the table and the canceling or cutting rollers and there is a gear wheel on one of the rollers and a pawl on the pivoted lever so that the rollers are or may be directly and positively moved. There is a mechanical connection between the pivoted lever and the tilting table coöperating with the gear wheel and the pawl, so arranged that the table is tilted on the first movement of the pivoted lever, and the rollers are rotated to cut or mutilate the tickets on the reverse movement of the lever. This means for operating the rollers and the table is so arranged that the small articles may be dumped into a special receptacle by imparting to the pivoted lever movement, in the same direction, but more extended, as compared with that which operates the canceling or perforating rolls. The parts described are combined with a cast metal frame.

The accompanying drawings illustrate the invention.

Figure 1 is a vertical side elevation partly in section with the chute or passage to the table shown in dotted outline; Fig. 2 is a transverse section, and Fig. 3 is a transverse section at right angles to Fig. 2, taken on the line 3—3, Fig. 1.

There is a cast metal frame *a*, formed of side plates united by metal cross-bars 30. In the side plate *a* are journaled two perforating or mutilating rolls *u* and *v*, these are geared together through the wheels 40. On the roller *u* is a toothed ratchet-wheel *w*. There is a reciprocating operating handle or lever *h* pivoted at 14, having a pawl *p*, engaging the teeth of wheel *w* under the influence of spring 15. At the top of the frame is a tilting table *t*, made of glass and having a corrugated upper surface; table *t*, is pivoted at 12 and may be tilted in either of two opposite directions, it is connected to the operating handle *h*, by links *m*, and *n*, pivoted together; and link *m*, is pivoted to the handle *h* at 11. A pin *i*, fitting a perforation in the frame *a*, constitutes a removable limit of movement for the handle *h*, in one direction; and, normally, this pin is in position. When the handle *h* is elevated table *t* is tilted forward and dumps tickets onto the rolls *u*, *v*. On the opposite or downward movement of handle *h*, the pawl *p* engages wheel *w*, and rotates the canceling rollers, which cut or perforate the ticket. When keys and coins are inadvertently passed through the chute, shown in dotted outline in Fig. 1, onto table *t*, the pin *i* is removed, handle *h* is depressed, table *t* is tilted backward, and the described small articles other than tickets are dumped into a special passage or receptacle *o*; the movement of the handle *h*, is the same which operates the mutilating rollers, but is more extended. The receptacle *o*, is of sheet metal and set in the frame *a*, so as to be removable, it has an opening at 21 and a deflecting door or projection 20 which causes the small articles to be passed to a position where they can be recovered without giving access to the tickets. There is a receptacle *r* of sheet metal removably placed in position in the frame *a*; through this passage or receptacle tickets are passed to the canceling rollers *u* and *v*. There is a scraper *s*, fixed in position to clear the surface of the roller *u*.

Such a canceling box is placed at the side of the path of foot passengers as they pass to railway trains or public gatherings; the tickets are dropped into the chute, shown in

dotted outline in Fig. 1, and fall on table *t*; the attendant first elevates the handle *h* which operates to dump the tickets onto the canceling rollers; the downward movement of handle *h* operates the canceling rollers directly and positively through the medium of the pawl and ratchet-wheel. When foreign articles, like keys, and coins, often inadvertently dropped onto table *t*, are present, the pin *i* is removed and the handle *h* is depressed to a greater extent moving in the same direction that produces cancellation; the keys or coins are passed into or through the passage or receptacle *o* and out through the orifice 21.

What we claim and desire to secure by Letters Patent is:

1. In a machine of the character described the combination with a pair of suitable canceling rollers, of a table arranged to tilt in two opposite directions, located above said rollers; a chute or passage connecting one edge of said table with said rollers; a chute or passage connecting the opposite edge of said table with a point outside said rollers, and means for tilting the table toward either of said passages and for operating said rollers.

2. In a machine of the character described the combination of a pair of suitable canceling rollers, a table located above said rollers, and arranged to tilt in either of two opposite directions; a chute or passage connecting said table and said rollers on one side, a chute or passage connecting said table with a point outside said rollers on the other side; a pivoted handle for tilting the table toward either chute or passage and for operating said rollers; and movable means for locking the movement of the table in one direction.

3. In a machine of the character described the combination of a suitable frame, a pivoted table capable of tilting in two opposite directions, a pair of canceling rollers, a passage for tickets between said table and said rollers; a passage for articles other than tickets between said table and a point outside said rollers; a pivoted operating handle, and means connecting said handle with said table and said rollers, whereby the table may be tilted in one direction to pass the

tickets onto the rollers and in the opposite direction to pass articles other than tickets away from said rollers, substantially as described.

4. In an apparatus of the character described the combination of a suitable frame, a tilting table, suitable canceling rollers, a receptacle for tickets, a receptacle for small articles other than tickets, a pivoted operating handle, and means connecting said handle with said table and said rollers, whereby the table may be tilted in one direction to dump the tickets on the rollers, and the rollers operated by the reverse movement of the operating handle and whereby the table may be tilted in an opposite direction by extending the reverse movement of said handle to dump articles other than tickets into the other receptacle.

5. In an apparatus of the character described, the combination of a cast-iron frame, a tilting table having a corrugated glass surface, suitable canceling rollers, a portable receptacle of sheet metal for tickets; a portable receptacle of sheet metal for articles other than tickets; a pivoted operating handle; means connecting said handle with said table and said rollers, so arranged that the table may be tilted in one direction to dump the tickets in one receptacle, and the table may be tilted in an opposite direction to dump articles other than tickets in the other receptacle.

6. In an apparatus of the character described, the combination of a suitable frame, suitable canceling rollers, a table capable of tilting in opposite directions pivoted above said rollers; a passage for conducting tickets from the table to the rollers; a passage for conducting articles other than tickets away from said rollers, an operating handle, and means connecting said handle with said table and said rollers, whereby the table may be tilted to dump the tickets into one passage and may be tilted in the opposite direction to dump other articles into the other passage, substantially as described.

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