

W. EICHELKRAUT.
SAFETY DEVICE FOR CASH DESKS.
APPLICATION FILED DEC. 27, 1910

1,023,461.

Patented Apr. 16, 1912.

Fig. 1.

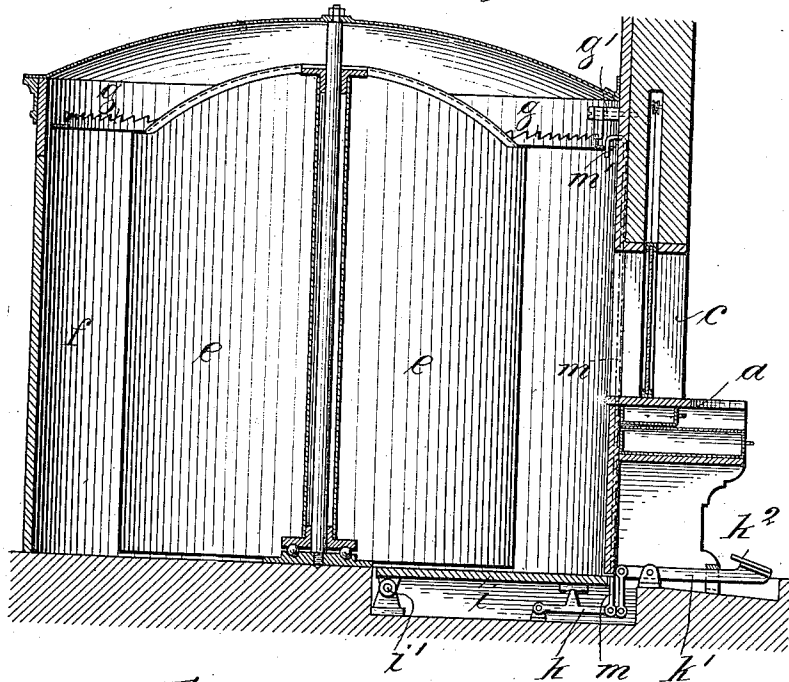
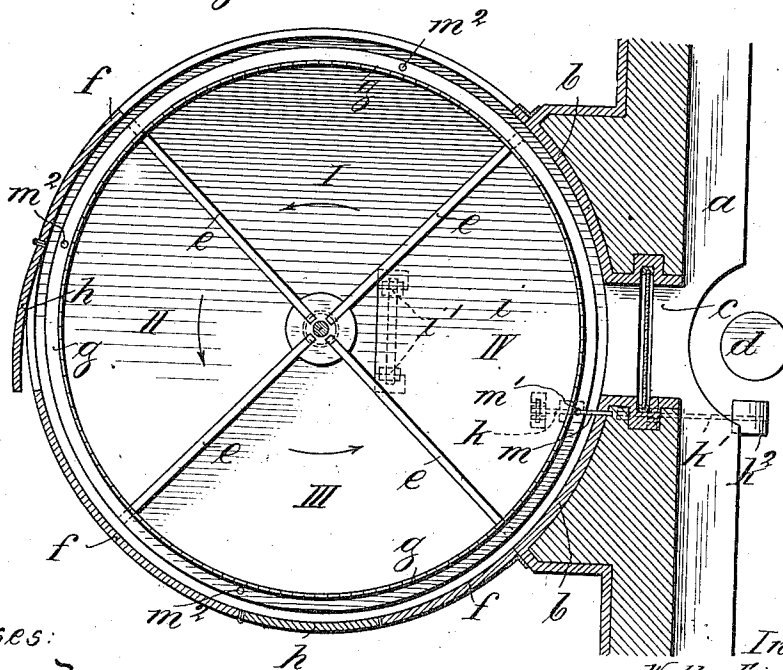


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

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SAFETY DEVICE FOR CASH-DESKS.

1,023,461.

Specification of Letters Patent.

Patented Apr. 16, 1912.

Application filed December 27, 1910. Serial No. 599,501.

To all whom it may concern:

Be it known that I, WALTER EICHELKRAUT, a subject of the King of Prussia, and resident of 6/8 Seehofstrasse, Zehlendorf, near Berlin, Germany, architect, have invented certain new and useful Improvements in Safety Devices for Cash-Desks, of which the following is a specification.

This invention relates to apparatus for regulating and controlling the access of persons to cashier's windows and like payment apertures in banks, post-offices, theaters and similar public buildings and has for its object to provide an arrangement for preventing the public on the one hand and the cashier on the other hand from being robbed.

According to the invention admission to the cash-desk is obtained through a winged door or turnstile provided with a locking and unlocking arrangement which may be locked in one position and can only be unlocked by the cashier.

In order that the invention may be more clearly understood reference is made to the accompanying drawings whereon the preferred method of carrying out the invention is illustrated by way of example.

Figure 1 is a vertical section and Fig. 2 a cross-section through the cash-desk and safety arrangement.

Referring to the drawings: The counter *a* is separated from the public by a wall *b* in which is a window *c*. The cashier's seat is indicated at *d*. In front of the window *c* is a four-winged rotatable door *e* surrounded by a cylindrical casing *f*. The door is only rotatable in the direction of the arrow, and carries at its upper end a toothed ring *g* prevented from rotating in a direction opposite to the arrow by a pawl *g'*. The public enter and leave the rotatable door at I and after passing through the spaces II and III reach the position IV in front of the cash window *c*. The compartments II and III are provided with doors *h* in the casing *f*, these doors only opening from the inside and closing automatically. Persons in the compartments II and III can thereby leave without going to the cash-desk.

In the compartment IV is a foot-board *i* movable about a pivot *i'* and which rests at its front end on a one-armed lever *k* hanging from a double-armed lever *k'*. The lat-

ter carries a foot-plate *k²* which can be pressed down by the cashier so as to operate a rod *m* through the lever *k*, the rod *m* being bent into U-form at its upper end and terminating in a pin *m'* which engages holes *m²* in the toothed ring *g*.

As soon as a person enters the compartment IV the foot-board *i* is pressed down under his weight and the rod *m* is lowered by the lever *k* until the pin *m'* falls into one of the holes *m²*. The revolving door is thereby locked and is prevented from being moved in either direction. The compartment IV is inaccessible from outside and the person therein can only leave after the cashier, by depressing the lever *k*, has raised the foot-board *i* and the rod *m* and thereby withdrawn the pin *m'* from the hole *m²*.

I claim:—

1. An apparatus for regulating and controlling the access of persons to cash desks, comprising, in combination, a movable winged door in front of the cash desk, a movable floor-plate in front of the cash desk, adapted to be depressed by the weight of the person thereon, locking means for preventing motion of said door in either direction, mechanical connections from said floor plate to said locking means, and means, operatable from the rear of the cash desk, for raising said floor plate and releasing the door.

2. An apparatus for regulating and controlling the access of persons to cash desks, comprising, in combination, a rotatable winged door in front of the cash desk, a pivoted floor plate in front of the cash desk, a pivoted lever supporting said floor plate near its free end, a bolt connected to said pivoted lever, an annular plate mounted on the door and having holes adapted to be engaged by said bolt, and a treadle lever extending to the rear of the cash desk and connected to said pivoted lever.

3. An apparatus for regulating and controlling the access of persons to cash desks, comprising, in combination, a rotatable winged door in front of the cash desk, a pivoted floor plate in front of the cash desk, a pivoted lever supporting said floor plate near its free end, a bolt connected to said pivoted lever, an annular plate mounted on the door and having holes adapted to be engaged by said bolt, a treadle lever extending to the rear of the cash desk and

connected to said pivoted lever, ratchet teeth carried by said annular plate and a pawl engaging said teeth.

4. An apparatus for regulating and controlling the access of persons to cash desks, comprising, in combination, a movable winged door in front of the cash desk, a bolt automatically adapted to lock the door and prevent its motion in either direction, and means, operatable from the rear of the

cash desk, for withdrawing said bolt, a casing surrounding the greater part of said door and auxiliary doors in said casing and adapted to open outwardly.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

WALTER EICHELKRAUT.

Witnesses:

HENRY HASPER,

WOLDEMAR HAUPT.