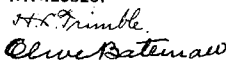


1,043,100.

2 SHEETS—SHEET 1.



INVENTOR:
Whitfield Hainer
by Chas. R. Rich
Atty

1,043,100.

Patented Nov. 5, 1912.
2 SHEETS—SHEET 2.

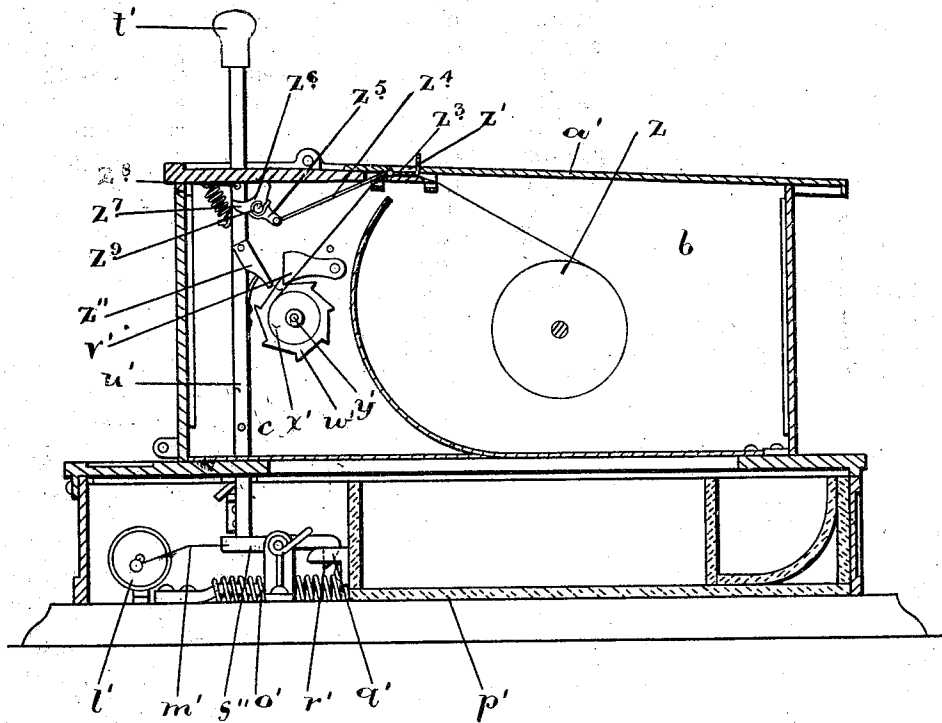


Fig. 2.

WITNESSES:

Ed. L. Gumble,
Olive Bateman

INVENTOR:

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UNITED STATES PATENT OFFICE.

WHITFIELD HAINER, OF TORONTO, ONTARIO, CANADA.

CASH-RECORDER.

1,043,100.

Specification of Letters Patent.

Patented Nov. 5, 1912.

Application filed January 11, 1911. Serial No. 602,130.

To all whom it may concern:

Be it known that I, WHITFIELD HAINER, of the city of Toronto, in the county of York and Province of Ontario, Canada, have invented certain new and useful Improvements in Cash-Recorders; and I hereby declare that the following is a full, clear, and exact description of the same.

In my concurrent application Serial Number 533,061, I have shown and described an autographic register which produces manifold copies of the record of each transaction, one or more copies of the recorded matter being retained within a locked record chamber for reference and checking purposes, and in the same application I have shown and described a tally sheet upon which a record of each cash transaction is entered, the material of the tally sheet being advanced step by step by the operation of the drawer opening mechanism.

In my present invention I have provided the drawer opening mechanism with a locking device which prevents the opening of the cash drawer until the cash record opening for the tally sheet has been manually uncovered, the uncovering of the cash record opening operating as a reminder to enter the amount of the cash transaction on the tally sheet.

For an understanding of the invention reference is to be had to the following description and to the accompanying drawings in which:—

Figure 1, is a perspective view of an autographic register partly in section showing the cash recorder means. Fig. 2, is a longitudinal section on the line *a-a* Fig. 1.

Like characters of reference refer to like parts throughout the specification and drawings.

Journalled within the magazine chamber *b* is a tally roll *z* from which the material passes across a cash record opening *z'* in the top *a'* to be wound on the web *w'* within the storage chamber *c*. The spindle *y'* for the web *w'* is provided with a ratchet wheel *w'* engaged by a gravity detent dog *v'* and operating vertically through the record chamber *c* is a plunger *u'* having at its outer end a knob *t'* and engaging at its inner end with one arm of a pivoted latch *s''*. The other arm of the latch *s''* has a tooth *r'* engaging with a keeper *q'* attached to the spring pressed cash drawer *p'*, which automatically opens under the influence of the

spring *o'* when the latch is disengaged from the keeper, the latch being provided with a striker *m'* for the signal or alarm bell *l'*. The plunger *u'* is provided with a spring pressed dog *z''* which engages with the teeth of the ratchet wheel *w'* as the plunger descends to partly rotate the spindle *y'* and web *w'* and which clears the ratchet teeth as the plunger ascends.

The cash record opening *z'* is provided with a movable covering plate *z³*, connected by a link *z⁴* with the arm *z⁵* of the pivoted dog *z⁶*. The arm *z⁷* of the pivoted dog is normally in the path of a locking pin *z⁸* fixed on the plunger *u'*, and is movably held in that position by a spring *z⁹* to prevent the descent of the plunger until the covering plate *z³* is displaced from the cash record opening *z'*. The cover *z³* moves lengthwise of the register top for a limited distance to respectively cover and uncover the cash record opening *z'*, and it is during such lengthwise movement that the cover *z³* operates the pivoted dog *z⁶* to respectively engage and release the plunger *u'*. Before the plunger *u'* can be actuated, the covering plate *z³* must be moved to uncover the cash record opening *z'*. This presents to the operator the space on the tally sheet for the cash entry, and coincident with the uncovering of the cash record opening, removes the pivoted dog from the path of the locking pin *z⁸* for the descent of the plunger. The covering plate and pivoted dog when released, return instantaneously to their normal positions over the cash record opening *z'* and into the path of the locking pin *z⁸*, respectively. The ascent of the plunger brings the locking pin into engagement with the pivoted dog which it temporarily displaces to drop back again to its normal position when the locking pin passes it. In this way I am able to prevent the operation of the plunger until the covering plate is removed from the cash record opening.

Having thus fully described my invention what I claim as new and desire to secure by Letters Patent is:

1. In a cash recorder having a record opening therein, a drawer releasing means, and a movable control therefor normally covering the record opening and temporarily preventing the operation of the drawer releasing means.

2. In a cash recorder having a record

opening therein, a drawer releasing means, and a movable control normally covering the record opening and engaging with the drawer releasing means to prevent its operation, said control when moved to uncover the record opening being disengaged from the drawer releasing means to permit of its operation.

3. In a cash recorder, having a cash record opening, a movable covering plate for the cash record opening, a pivoted dog having two arms, a link connecting the movable covering plate with one of the arms of

the pivoted dog, a plunger, a locking pin for the plunger, and a spring holding the other arm of the pivoted dog normally in the path of the locking pin to prevent the descent of the plunger until the covering plate has been removed from the cash record opening.

Toronto, December 29th, 1910.

WHITFIELD HAINER.

Signed in the presence of—

CHAS. H. RICHES,

H. L. TRIMBLE.