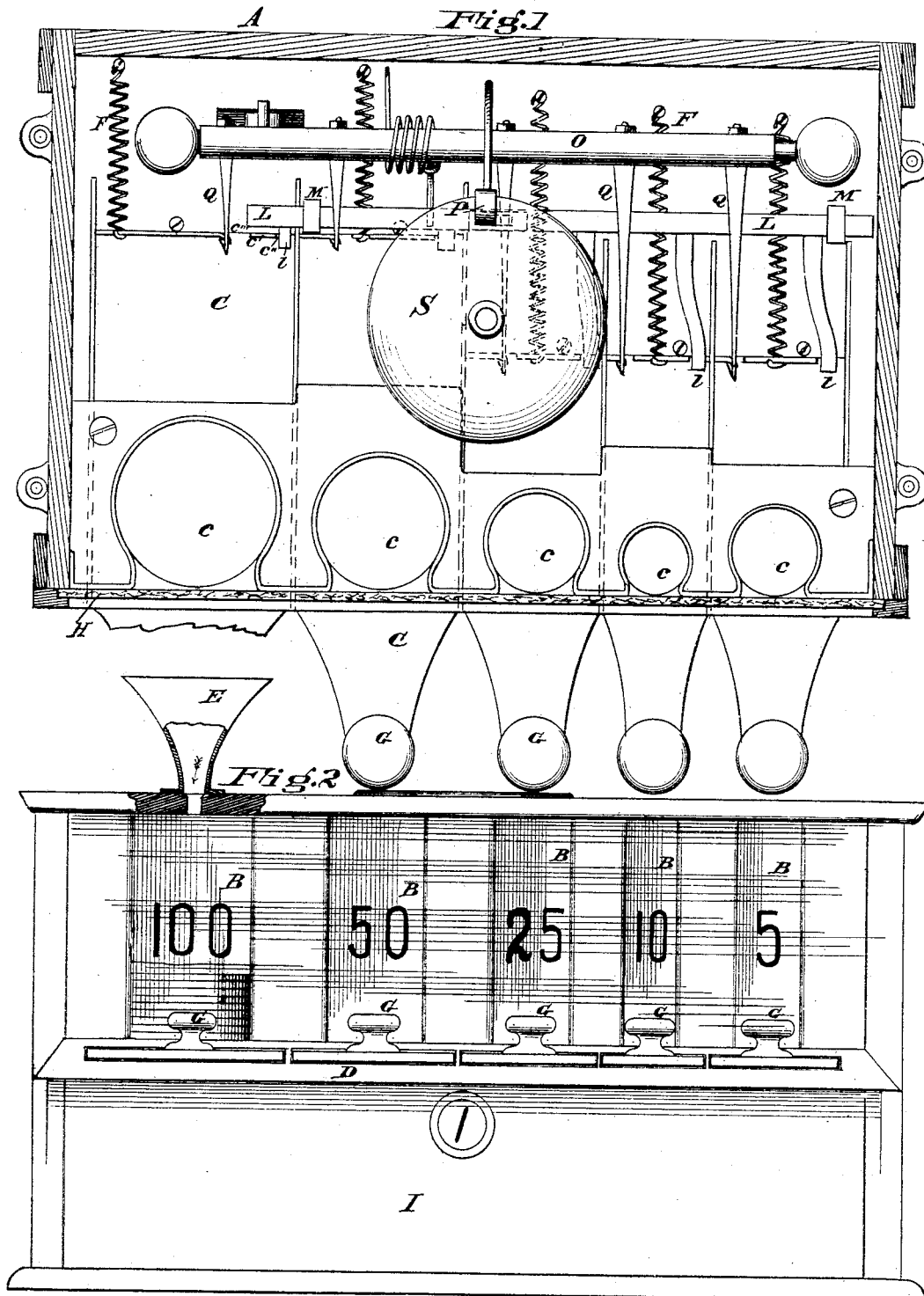


A. BRADFORD.

Change-Box.

No. 216,647.

Patented June 17, 1879.



Attest
 Walter Knight
 Leonard Knight

Albert Bradford
 By Knight Bros
 Atty's

UNITED STATES PATENT OFFICE.

ALBERT BRADFORD, OF EATON, OHIO, ASSIGNOR TO JOHN REICHEL, OF SAME PLACE.

IMPROVEMENT IN CHANGE-BOXES.

Specification forming part of Letters Patent No. **216,647**, dated June 17, 1879; application filed March 15, 1879.

To all whom it may concern:

Be it known that I, ALBERT BRADFORD, of Eaton, Preble county, Ohio, have invented a new and useful Till or Change-Box, of which the following is a specification.

My improved till, money-holder, or change-box comprises a series of compartments for coins or pieces of money of the various denominations with which it is desired to be used. Each compartment has at top a slot or funnel of proper dimensions for the insertion, edge-wise, of its appropriate coin, and has at bottom a slidable floor having an orifice enough larger than the coin to easily receive and securely hold it so long as the slide remains at rest within the box. Each slide projects through a slot in the box-front, and terminates in a handle, whereby it can be partially drawn out for liberation of a coin. Each slide has a retracting-spring, which causes it to automatically resume its normal position within the box the moment it is liberated.

By means of such a till coin of various denominations may be rapidly and accurately counted out.

In addition to the features above enumerated, my till is provided with a device for locking up certain of the slides or all of them. It is also provided with a bell or other audible or visual indicator of the slide-movement, and such indicating mechanism may be capable of being made operative or inoperative at discretion. It is further provided with a drawer, which, being partially withdrawn, may be used to receive from the counters and hold for safe keeping any desired sum or amount, and which, being locked, prevents any clandestine disengagement of the slide-locking or of the alarm mechanisms. Furthermore, a portion of the outer casing may be of glass, so as to enable easy inspection of the contents.

In the accompanying drawings, Figure 1 is a horizontal section of a change-box embodying my invention. Fig. 2 is a partially-sectioned front elevation of the same. Fig. 3 is a vertical section on the line *xx*. Fig. 4 is a perspective view, representing portions of the slide-locking and the alarm-operating devices. Fig. 5 is a horizontal section of a portion of

the alarm-operating mechanism. Fig. 6 is a perspective view of the alarm-shifting lever.

A may represent a suitable box or case having a series of pockets or compartments, B, of which each has a slidable plate, C, whose orifice *c* is adapted to receive a coin of some special denomination—such as a dime or a quarter or half dollar—and permit it to rest upon a floor, D, common to all the compartments, and which is preferably at such height above the bottom of the box as to leave convenient room for the hand of the operator or for a drawer or other receptacle of the counted change.

A series of slots or oblong funnels, E, in the top of the box—one over each pocket—permit the insertion into the respective pockets of coin of the several denominations proper to each.

A spring, F, compels the automatic retraction of each slide, so as to resume its normal position within the compartment the instant that it is liberated by the operator. A lip or handle, G, on each slide enables its easy withdrawal. A glass front, H, to one or more of the pockets may enable inspection of the contents.

A drawer or tray, I, occupying the space J, underneath the floor D, being momentarily drawn forward, may be used to receive the counted change, and may have a lock, K, which may enable the drawer to serve the several purposes of securing such change and of preventing clandestine interference with the mechanism, to be presently described, for locking or unlocking of the slides or for connecting or disconnecting the alarm.

L is a bar, slidable in guides M by the instrumentality of a lever, N, hidden underneath the floor D. Projections *l* on said bar are, in one position of it, opposite gates *c''* in flanges *c'* on rear edge of each slide C, so as to permit the withdrawal of the slide by any person controlling its handle, or, in the other position of the bar, by engaging in front of the flange, prevent withdrawal of the slide. Projections being provided for any one or more or all of the slides make the device effective to lock such slide or slides.

O is a rock-shaft provided with a hammer,

P, that strikes an alarm-bell or other resonant body, S, by the operation of any one or more slides placed in connection with it. This is effected by hooked arms Q, that extend from the shaft over such slides, as it may be desired to thus operate. Gates or notches c''' in the flange c' and a certain degree of side limberness of the hook enable it to pass backward on the return stroke, as seen in Fig. 5; or by shifting said shaft endwise in direction of the arrow, by means of secret lever R, the hook is brought opposite the gate c''' and the alarm rendered, for the time being, inoperative.

I claim as new and of my invention—

1. The combination, with one or more gated sliding receptacles, C c' c'' , of the secret locking mechanism, consisting of the sliding bar L l and the lever N, substantially as set forth.

2. The combination, with one or more perforated slides, C c , having the gated flanges c'

c''' , of the releasable alarm mechanism, consisting of the rock-shaft O, the hammer P, the hooked arms Q, and the secret lever R, substantially as set forth.

3. In combination with the series of compartments or pockets B and the protecting lock-drawer I, the slides C, having the perforations c , the gated flanges c' c'' c''' , and the retracting-springs F, the releasable slide-lock L l , and the alarm mechanism, consisting of rock-shaft O, hammer P, hooked arms Q, secret lever R, and bell S, substantially as set forth.

In testimony of which invention I hereunto set my hand.

ALBERT BRADFORD.

Attest:

L. C. ABBOTT,
M. L. HOLT.