

United States Patent Office.

AUSTIN D. HOFFMAN, OF CHICAGO, ILLINOIS, ASSIGNOR TO CHARLES H. MORSE, OF SAME PLACE.

Letters Patent No. 100,037, dated February 22, 1870.

IMPROVEMENT IN TILL-ALARMS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, AUSTIN D. HOFFMAN, of Chicago, in the county of Cook, and State of Illinois, have invented an Improved Till-Lock; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings and letters marked thereon, making a part of this specification, in which—

Figure 1 is a broken perspective representation of the rear part of a till, with my improved lock attached.

Figure 2, a plan view of the lock-case, removed from the pin-wheel.

Figure 3, an inside elevation of the knob removed from the spindle, showing also the index-band by means of which the combination of the lock is changed.

Figure 4, a section of the knob, index-band, outside pin-plate, and spindle.

Figure 5, a perspective representation of the outside pin-plate.

The object of the present invention is to so improve on my lock, patented October, 1868, and numbered 83,498, that the combination may be properly changed, and the back pin-wheel suitably protected, and the pins properly operated, as the whole is hereinafter fully described.

A represents the inner part of the till, which supports a bell, S, and pin-wheel X, the latter being pivoted to said till by means of a spindle, E, similarly to my patent referred to.

Over this pin-wheel X is placed a metal case, I, which protects said wheel and returns the pins after they have been driven back by a bar, G, attached to the under side of the lid of the drawer, which is stationary.

To accomplish this, flanges J J are made on the top of the case I, and are so inclined inward that the heads of the pins are easily pushed through the pin-wheel X, so as to rotate with it.

The arrangement for ringing the bell S consists of a forked standard, K, which slides on a pin, L, put into case I, and it is so forced down by one of the pins F being driven back by the bar G, that when the spindle E is turned said pin will pass over one of the

forks of the standard K, force it down, and so bring a pin, N, fixed to said standard against the arm P of hammer-lever R as to cause the hammer T to strike the bell S.

If, however, the notch in pin-wheel X is brought even with the notch in the forked standard K, as shown at fig. 1, the till can be opened without ringing the bell, as then there are no pins to be moved.

In this construction I claim a decided improvement over the patent referred to, inasmuch as the device is operated more conveniently and safely, while, at the same time, the working parts are better protected.

The knob C and its attachment is also constructed differently, as will be seen at figs. 3, 4, and 5.

The index-band D, in patent No. 83,498, works loosely on the knob C, but in the present invention it is made fast to said knob, and depends upon its position in being set on pin-plate B, figs. 1, 4, and 5.

This plate is attached to the rod E in front of the drawer, and it is provided with a series of holes, C' C' C', &c., in either of which a pin projecting out from the knob C can be put by simply loosening a nut, h, fig. 4. For example, bring the notch in the pin-wheel X even with the notch in the standard K. This will allow the till A to be drawn out past the bar G without ringing the bell S. Then turn the knob C so as to bring the index-band D so that the number on which it shall be set shall come vertically over the spindle E. Then no other number will open the lock. Any other movement will ring the bell S.

Having thus described my invention,

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

The case I, provided with flanges J J, for replacing the pins after they have been thrown out by the bar G, in combination with the pin-wheel X, rod E, pin-plate B, knob C carrying the rotating band D, the whole operating with reference to bell S, lever R supporting hammer T, forked standard K, bar G, and till A, as set forth.

AUSTIN D. HOFFMAN.

Witnesses:

E. E. GIBSON,
G. L. CHAPIN.