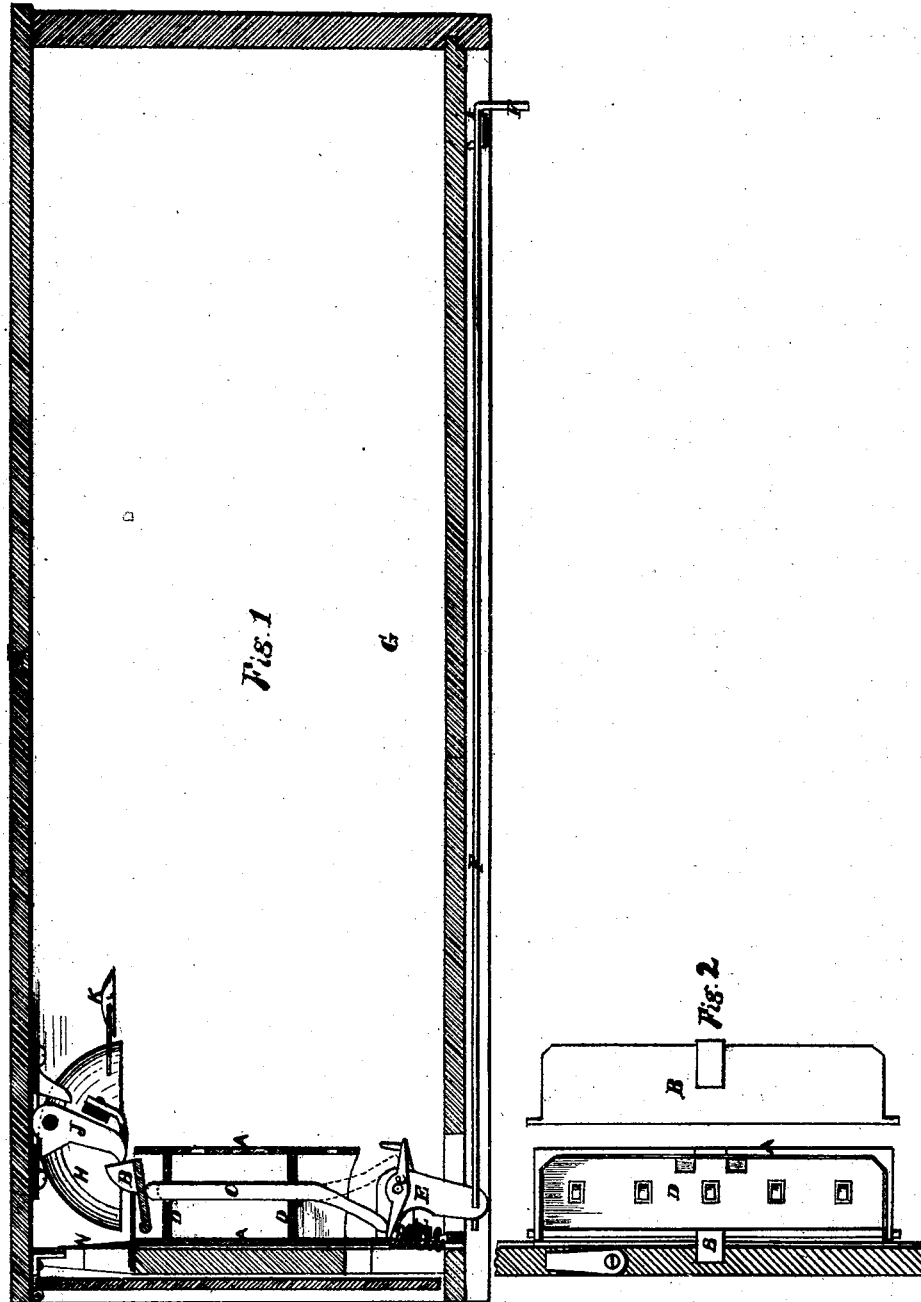


C. & W. H. Tucker,

Alarm Till.

No. 110,022.

Patented Dec. 13, 1870.



WITNESSES.

O. F. Mayhew.
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CYRUS TUCKER AND WILLIAM H. TUCKER, OF INDIANAPOLIS, INDIANA.

Letters Patent No. 110,092, dated December 13, 1870; antedated December 9, 1870.

IMPROVEMENT IN ALARM-TILLS.

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

We, CYRUS TUCKER and WILLIAM H. TUCKER, of Indianapolis, in the county of Marion and State of Indiana, have invented certain Improvements in Drawer-Locks, of which the following is a specification.

Nature and Objects of the Invention.

Our invention relates to the class of locks usually applied to money-drawers under the counter of store, that is arranged to give an alarm when the drawer is tampered with by other persons than those connected with the store or conversant with the lock; and

It consists in such a construction and arrangement of the several parts of which the lock is composed that a variety of changes may be readily and conveniently made in the tumblers that operate the catch, said change rendering the lock susceptible of combinations that may be varied from time to time, as may be desired.

Description of the Accompanying Drawing.

Figure 1 is a vertical longitudinal section of a drawer having a lock embodying our invention.

Figure 2 is a top view of the lock, showing the catch raised up, to expose the interior of the lock, the hinged or pivoted catch B being also shown detached.

General Description.

The lock is composed of the cast-iron case or framework A, hinged catch B, series of tumblers C, horizontal guide-plates D, levers E, and pull-wire F, and is attached to the drawer G, as shown.

An alarm-bell, H, with apparatus arranged, much in the usual manner, for operating the hammer, is attached to the counter or table-top I in such a manner that the catch B will engage with the lever J and trip the hammer K, to strike the bell. The levers E, corresponding in number with the number of tumblers C, are made with three arms, as shown, and are pivoted on a longitudinal wire, E, at the bottom of the case. The front and rear arms of these levers E serve as a rest for and the means by which to operate the tumblers C. The tumblers C are made in the form shown, and work loosely in holes in the guide-plates D, and any desired number of them may be

used, with, of course, a corresponding number of levers and pull-wires. The rear arms of levers E have a downward projecting point that engages with a corresponding point projecting upward from the lower cross-bar of the frame, which serves as a stop to too great a movement of the levers, and they also serve to hold the spiral springs L in place.

The springs L hold the levers E, tumblers C, and catch B in the position shown in fig. 1, so that the catch will engage with levers J and return them to that position, when they have been drawn down, by pulling the wires F. Any number of the tumblers C less than the whole may be turned around, as indicated by the dotted lines in fig. 1, and, when so turned, drop down too far to affect the hinged catch B. As only those tumblers that rest on the rear arm of lever E operate the catch B, it will be readily understood that various combinations may be made to operate the catch by turning the tumblers around, and these may be varied at pleasure, and known only to those using the drawer.

When the levers are operated to let the tumblers down, the catch B drops down by its own gravity below the lever J, when the drawer may be pulled out.

The drawer is thrust forward, or rather held in such a position that the catch B rests against the lever J by means of the spring N, which prevents the catch from dropping down until the drawer is pushed back a little, to release the catch.

As a substitute for the springs L the forward arm of levers E may be weighted, to bring them into the position shown.

Claims.

We claim as our invention—

1. The combination of the three armed levers E, the reversible tumblers C, and catch B, when arranged substantially as set forth.

2. The combination of the spring N and bell-lever J with the hinged catch B, all arranged substantially as and for the purpose set forth.

CYRUS TUCKER.
W. H. TUCKER.

Witnesses:

O. F. MAYHEW,
G. A. SKINNER.