

(No Model.)

J. GOODENBERGER & L. AKINS.
CASH BOX.

No. 506,997.

Patented Oct. 17, 1893.

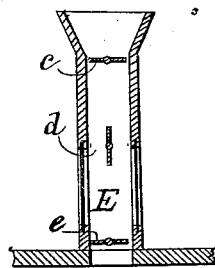
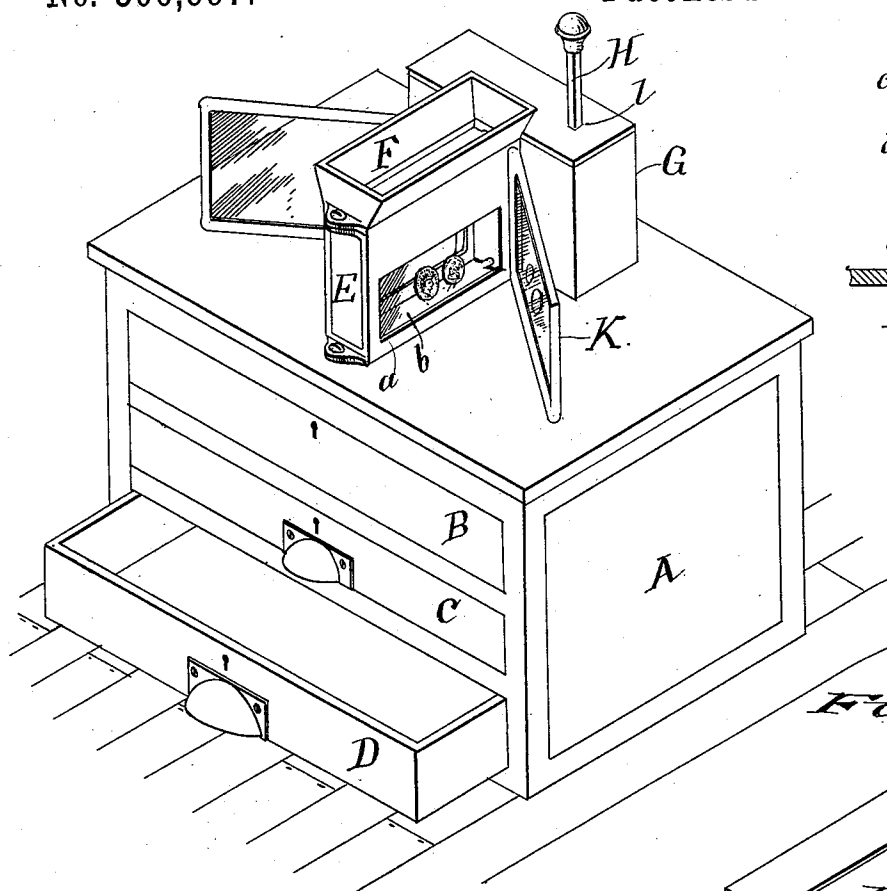


Fig. 2.

Fig. 1.

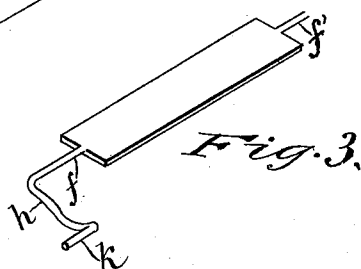


Fig. 3.

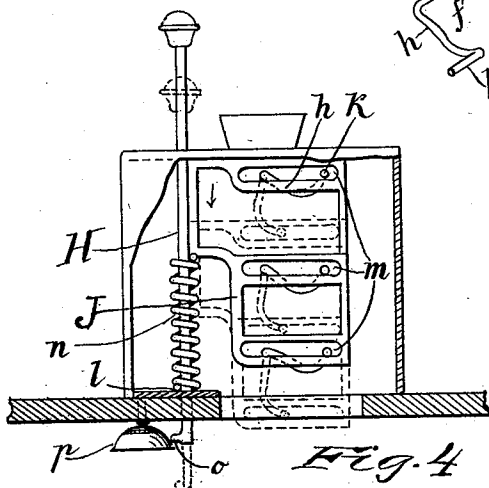


Fig. 4.

WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN GOODENBERGER AND LEST AKINS, OF AKRON, OHIO.

CASH-BOX.

SPECIFICATION forming part of Letters Patent No. 506,997, dated October 17, 1893.

Application filed November 7, 1892. Serial No. 451,196. (No model.)

To all whom it may concern:

Be it known that we, JOHN GOODENBERGER and LEST AKINS, citizens of the United States, and residents of Akron, county of Summit, State of Ohio, have invented a new and useful Improvement in Cash-Boxes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification.

Our invention relates to improvements in cash boxes, and consists of certain features of construction and combination of parts as will be hereinafter described and pointed out in the claims.

Figure 1, of the accompanying drawings is a perspective of a cash box illustrating our invention. Fig. 2, is a transverse section through the hopper and tube leading to the box. Fig. 3, is a perspective of a tipping shelf or rocking stop valve. Fig. 4, is a longitudinal vertical section of inclosing case, and a side elevation of mechanism for tipping the shelves and for striking the sounder.

Similar letters of reference indicate corresponding parts in all of the figures of the drawings.

A, represents the box or other receptacle, in which is provided a series of drawers B, C, D. On the top of the box over a suitable aperture provided therein, is placed a narrow or flat tube E, surmounted by a hopper F. In the sides of the tube are provided elongated apertures *a* in which are placed observation glasses

a. At the top, middle, and bottom portions of the tube E, are placed turn shelves or valves *c*, *d* and *e*, supported in apertures provided in the end portions of the tube, and rotating on the journal portions *f*, and *f'*, the former having a cranked portion *h*, the free end *k* of which is bent out at right angles, substantially as shown in Fig. 3. The cranked portion *h* swings in the cross box G, in which is provided an actuating rod H, that passes through, and is supported in apertures *l* in the top and bottom of the box G. From the side of the rod H is projected a wing portion J, having elongated apertures *m* in which rests the end *k* of the crank *h*. A coiled spring *n* is placed about the lower portion of the rod H, the

lower end resting on the bottom of the box G, the upper end to take under the wing J; at the lower end of the rod H is provided a knocker *o* to strike the sounder *p* in the box A, when the rod H is moved down to rock the valves *c*, *d* and *e*.

In operation the cash received for a purchase, (for illustration say, eleven cents, a ten and a one cent piece) is dropped in to the hopper, the rod H, is pressed down as shown by the dotted lines in Fig. 4, which movements with the end portion *k* of the crank *h* in the slot *m* will rock the valves *c*, *d* and *e*, the upper and lower *c* and *e* into a position vertical in the tube E, and the middle one *d*, into a position horizontal or transverse the tube, and when so placed the cash (or in this case, the ten and the one cent pieces), will drop from the valve *c* that forms the bottom of the hopper F, down onto the central valve *d*, where it will be held until the rod is released and raised into normal position, by the spring *n* which movement will turn the valve *d* into a vertical position as shown in Fig. 2, to allow the cash to fall or pass down onto the lower or bottom valve *e*, in which position it is held in the observation opening until a subsequent deposit is made in the hopper, and the rod pressed down as before, when the cash in the observation space will drop into the box, and the subsequent deposit will appear so that the cash to the cent, received in the transaction, is visible in the tube until released by the cash received on a subsequent transaction.

To announce or call attention to the fact of a deposit of cash in the receptacle, the knocker O, as the rod H is moved down, will strike the bell P and give an alarm.

Mirrors or reflectors as K may be placed at the sides of the tube E, at such angles as may be desired that will reflect the image of the coin shown in the observation portion of the tube E, so that persons at the front of the box may see the reflection of the coin in the mirror.

Having thus fully described the nature and object of our invention, what we claim, and desire to secure by Letters Patent, is—

1. The combination with the cash receptacle, of the tube communicating therewith provided with a hopper, the valves *c* and *e*, jour-

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naled in said tube at the top and bottom thereof, and the intermediate valve *d*, one of the journals of each of said valves being formed with a crank, the box G, the spring actuated
5 rod H, and connections substantially as described, whereby said valves are simultaneously operated, to open the outer ones and close the middle one and vice versa for the purpose specified.
10 2. The combination with the cash receptacle, of the tube E, communicating therewith, the valves *c*, *d* and *e*, journaled in said tube, and formed with cranks *h*, the vertically movable spring actuated rod H, having wing J,
15 formed with slots *m*, to receive the ends of the cranks *h*, whereby when the outer valves are open the middle one is closed and vice versa substantially as and for the purpose described.

3. The combination with the cash receptacle, of the tube E, communicating therewith, the valves *c*, *d* and *e*, journaled therein and provided with cranks, the spring actuated rod H, having a knocker at its lower end, the wing
25 secured to said rod having slots to receive the ends of said cranks, whereby when the outer valves are open the middle one is closed and vice versa and the sounder secured to the cash receptacle, adapted to be struck by said
30 knocker, substantially as described.

In testimony whereof we have hereunto set our hands this 14th day of October, A. D. 1892.

JOHN GOODENBERGER.
LEST AKINS.

Witnesses:

H. W. INGERSOLL,
J. CASPER KELLER.