E. H. COOK.

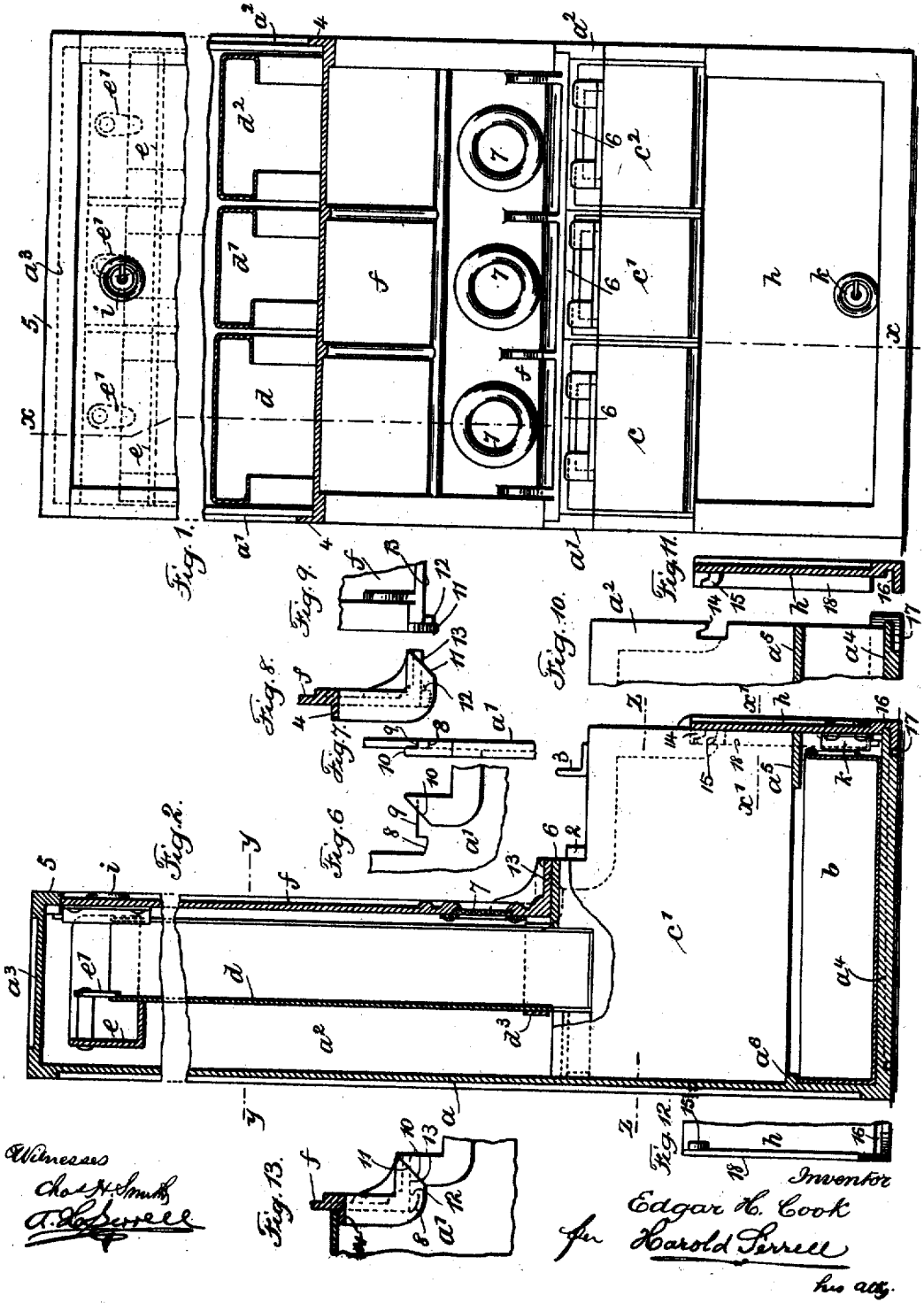
CASE FOR COIN CONTROLLED VENDING MACHINES.

APPLICATION FILED JULY 19, 1907.

910,906.

Patented Jan. 26, 1909.

2 SHEETS—SHEET 1



Witnesses
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Fig. 4.

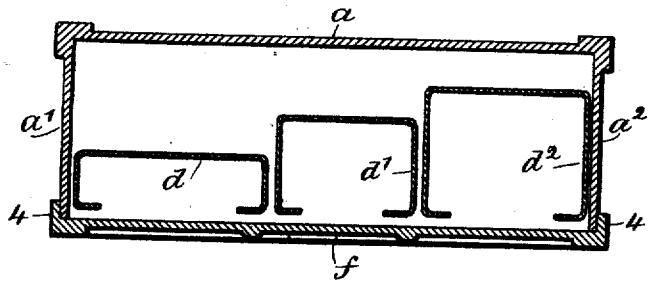


Fig. 5.

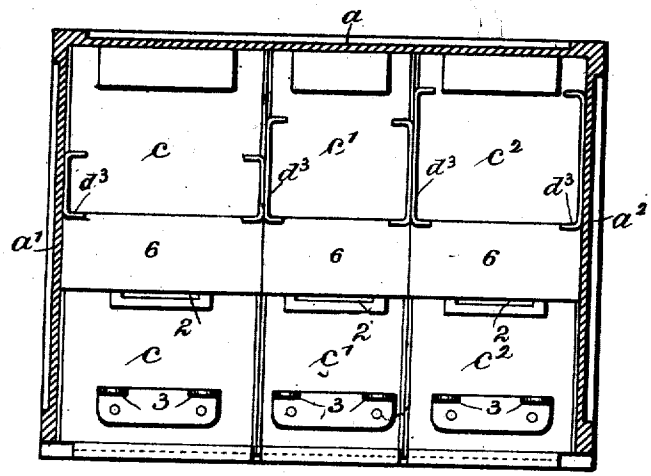
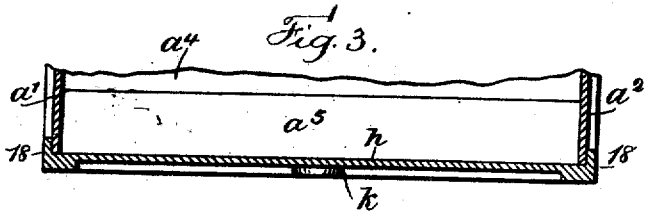


Fig. 3.



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UNITED STATES PATENT OFFICE.

EDGAR H. COOK, OF GREAT NECK, NEW YORK.

CASE FOR COIN-CONTROLLED VENDING-MACHINES.

No. 910,908. Specification of Letters Patent. Patented Jan. 26, 1909.

Application filed July 19, 1907. Serial No. 384,500.

To all whom it may concern:

Be it known that I, EDGAR H. COOK, a citizen of the United States, residing at Great Neck, in the county of Nassau and State of New York, have invented an Improvement in Cases for Coin-Controlled Vending-Machines, of which the following is a specification.

As heretofore constructed coin actuated and controlled vending machines for confections and other articles of merchandise are liable to get out of order or to be broken and so to require frequent repairs; the same necessitating taking the entire mechanism apart and dismembering the same from the retaining case because the various parts of the several mechanisms for holding and delivering the articles of merchandise sold are in such intimate relation and connection that to disturb or separate the one was to affect all,—and the object of my invention is to make each set or series of devices as independent of each other set or series of devices as if they were in an independent case and to provide a surrounding case, preventing any view of or tampering with the mechanism.

With this object in view my invention relates most particularly to the construction of the retaining case in which two movable locking panels inclose the major portions of the coin and delivery devices, and these panels together with co-acting and intermediate mechanism cases, whose continuity is unbroken, from the front of the case of the coin actuated vending machine, providing in the exposed part a coin receiving opening and a slidable goods delivery part and also evidencing the separability of the coin mechanisms. These coin actuated and delivery devices are each contained in and inclosed by a similar metal case or frame and these frames according to the number employed, are received in and fit snugly across the lower broader part of the main case, resting on slide-ways. A money drawer is received below these parts and a lower front panel at its upper end engages and hooks into the sides of the main case, overlaps the lower end of the mechanism frames and locks at the lower end. An upper front panel at its lower end engages and hooks into the sides of the main case, overlaps part of the mechanism frames and covers the merchandise holders where the goods are stored and locks at the upper end.

The sides, back, top and bottom of the case are substantially integral and nominally inseparable.

In the drawing, Figure 1 is an elevation and broken section representing the device of my improvement. Fig. 2 is a vertical cross section at about the dotted line x, x, of Fig. 1. Fig. 3 is a sectional plan at the line $x^1\ x^1$ of Fig. 2. Fig. 4 is a sectional plan at about the dotted line y, y, through the upper part of the case showing especially the merchandise holders. Fig. 5 is a sectional plan at about the dotted line z, z, of Fig. 1, through the case and showing the merchandise holders and the delivery parts for the goods in plan. Fig. 6 is a side elevation and Fig. 7 an edge-wise elevation showing the locking devices upon the case for the lower end of the upper panel. Fig. 8 is a side elevation and Fig. 9 a front elevation showing the locking devices at the lower end of the upper panel. Fig. 10 is a vertical section and elevation showing the notch or engaging recess at the lower end of the case for the lower panel. Fig. 11 is a section through the lower panel and Fig. 12 an elevation of the inner surface at one end of said panel showing the parts otherwise illustrated in Fig. 11. Fig. 13 is an elevation of a portion of the case and the lower end of the upper panel at the places where these parts are locked.

The main case is composed of a back a, sides $a^1\ a^2$, top a^3, bottom a^4, cross-member a^5 and rib a^6. These are preferably made integral or so securely fastened together as to be substantially integral or one piece and are about of the shape shown, that is, the case corresponds in width throughout, as will appear from Fig. 1, while in depth the upper portion is only about half the depth of the lower portion as shown in the vertical section Fig. 2. The lower portion receives the money drawer b. In width between the sides the case agrees exactly with the width of the series of separate and independent similar coin actuated devices shown in Fig. 1 at $c\ c^1$ and c^2, in which devices Fig. 5 illustrates the coin slots 2 and the finger pieces 3 employed and grasped by the fingers on drawing out the mechanism after introducing the coin so as to deliver the goods.

The upper or narrower part of the case contains the merchandise holders $d\ d^1$ and d^2. These are shown in Fig. 4 as of varying sizes indicating their use for different articles of merchandise. They are supported upon coin actuated devices $c\ c^1$ and c^2 and retained in

place by the clip pieces d^3 within the case generally as shown in Fig. 2; there being at the upper end of the case a frame structure e receiving the upper ends of these merchandise holders and in each of which a button e^1 is employed for clamping them in place. In this way the opposite ends of the long merchandise holders are fixed in position; the same however forms no necessary part of my invention.

The entire front of the case will be opened up when the upper panel f and lower panel h are removed and the coin actuated devices c c^1 and c^2 are also removed with the merchandise holders. These coin actuated devices c c^1 and c^2 consist of frames inclosing the mechanism and they fit snugly side by side and between the sides a^1 a^2 of the case, and they fit into the case resting upon the cross member a^5 and the rib a^6 and support the merchandise holders as described. It will thus be apparent that when the upper and lower panels are removed any one of these three coin actuated devices may be moved forward and removed from the case at pleasure, for repairs or to be interchanged in position with other similar devices. The upper panel f agrees in width with the case and is provided with side flanges 4 which extend over the edges of the case and the panel extends from the upper part of the case and from beneath the front plate 5 down to the flat plates 6 of the coin actuated devices and said panel is preferably provided with glasses forming sight holes 7 through which the goods in the merchandise holders may be viewed and the extent of the merchandise therein ascertained.

Fig. 2 illustrates that the corners of the case are ribbed and Figs. 6 and 7 show the stepped construction at the corner of the case which is produced by the vertical front which agrees with the upper panel f and the forwardly extending portion which agrees substantially with the level of the top of the coin actuated devices c c^1 and c^2, at which angle a notch 8, a flat surface 9 and an inclined edge 10 of the rib of the case are produced. Figs. 8 and 9 show the corners at the lower end of the upper panel f in which there is an inclined edge 11, a lug 12 and a flat surface 13 which agree in location and dimensions with the parts 8 9 and 10, so that when the lower end of the top panel is set down into a juxtaposed relation with the parts 8 9 and 10 and the said upper panel brought into a vertical position with its upper end beneath the front plate 5, these parts 11, 12 and 13 fit into and lock with the parts 8 9 and 10, so that when the key in the lock i is turned, the front panel is secured in position. The lower panel h is made with flanges 18 to set against the sides a^1 a^2 of the case.

The forward portion of the case, as will be seen by reference to Figs. 2 and 10, is provided with a projection 14 and a recess. The inner faces of the lower panel inside the flanged edges are provided with hook-members 15 of such a shape as to pass into the said recess under the projections 14.

The lower inner edge of the lower panel is recessed and prolonged at 16 and the under front edge of the case is cut away at 17 so that in connecting the lower panel to the lower front portion of the case, the hook-members 15 are passed beneath the projections 14 with the panel at an inclination. The panel is then turned down into a vertical position and the parts 16 17 brought into engagement. This causes the prolonged portion 16 to pass into the cut-away portion 17 between the sides of the case and when the lock k of the lower panel is operated, the said panel is secured firmly in position to the case. It will be thus apparent that a lifting tendency or possibility with reference to the coin actuated devices c c^1 c^2 is prevented by the upper panel f and also that any movement forward of these coin actuated devices is also prevented by the lower panel h.

The only portions of the coin actuated devices that are visible are the movable frame devices for delivering the goods and which entirely cover over the internal mechanism so that the same is not accessible.

I claim as my invention:

1. A coin actuated vending machine comprising a retaining case having a base and top both of the same width, a removable locking panel closing the front of the top down to the base, a removable locking panel closing the lower part of the base at the front, a series of separate and independent similar removable coin actuated devices received in the case side by side extending below and beyond the top panel and partly above the lower panel and constructed imperforate in the exposed part except for the coin slot, supports within the case below said devices whereby said devices are held in place by said panels against upward and outward movement.

2. A coin actuated vending machine comprising a retaining case having a deep base and narrow top both of the same width, a removable locking panel closing the front of the narrow top down to the base, a removable locking panel closing the lower part of the base at the front, supports within the base, a series of separate and independent similar removable coin actuated devices received in the case side by side below and beyond the top panel and within and partly above the lower panel and constructed imperforate in the exposed parts except for the coin slot, resting upon said supports and held in place by the said panels.

3. The combination with an open front retaining case for coin actuated vending machines, of a series of separate and independ-

ent similar removable coin actuated devices adapted to be received and supported in the case side by side and constructed imperforate in the exposed parts, except for the coin slot, a removable top panel fitting in the front of the case above the coin actuated devices, at its lower end having interlocking parts and coming down upon said coin actuated devices, and a lock at its upper end, a lower front panel having interlocking upper parts coming outside of and against the faces of said coin actuated devices, and a lock at the lower portion, the said locks holding said panels securely in position.

4. The combination with an open front retaining case for coin actuated vending machines, of a series of separate and independent similar removable coin actuated devices adapted to be received and supported in the case side by side and constructed imperforate in the exposed parts, except for the coin slot, a removable top panel fitting in the front of the case above the coin actuated devices, at its lower end having interlocking parts and coming down upon said coin actuated devices and a lock at its upper end, a lower front panel having interlocking upper parts coming outside of and against the faces of said coin actuated devices, and engaging devices at its lower edge, and a lock at the lower portion, the said locks holding said panels securely in position.

5. The combination with an open front retaining case for coin actuated vending machines, of a series of separate and independent similar removable coin actuated devices adapted to be received and supported in the case side by side and constructed imperforate in the exposed parts, except for the coin slot, and removable locking panels, the one extending and covering the narrow top of the case down to and resting upon the coin actuated devices and the other extending and covering from the bottom of the deep base of the case to above the lower edge of the coin actuated devices for holding the same in position and each panel having side flanges extending over and embracing the edges of the case, securing locks at one end of each panel and interlocking engaging devices at the other ends of said panels.

6. The combination with an open front retaining case for coin actuated vending machines, of a series of separate and independent similar removable coin actuated devices adapted to be received and supported in the case side by side and constructed imperforate in the exposed parts, except for the coin slot, a removable locking panel and means for securing the same to the base of the case, a removable locking panel covering over the narrow top of the case above and down to the coin actuated devices and said top panel having side flanges extending over the sides of the case, a lock at the upper end of the panel, inclined lower side edges 11, lugs 12 and surfaces 13, and the sides of the case each having notches 8, flat surfaces 9 and inclined edges 10 receiving and interlocking with the aforesaid parts at the lower ends of the top panel.

7. The combination with an open front retaining case for coin actuated vending machines, of a series of separate and independent similar removable coin actuated devices adapted to be received and supported in the case side by side and constructed imperforate in the exposed parts, except for the coin slot, a panel covering the top of the case down to the coin actuated devices and means for securing the same in place to at the same time hold said coin actuated devices down in position, a removable panel at the lower or base portion of the case extending below the cases of the coin actuated devices and partially in front of the same and said panel having side flanges extending over the sides of the case and hook members 15 at the upper outside corners of the case having edge recesses and projections 14 interlocked and engaged by the hook members 15, and a lock at the lower portion of said panel.

8. The combination with an open front retaining case for coin actuated vending machines, of a series of separate and independent similar removable coin actuated devices adapted to be received and supported in the case side by side and constructed imperforate in the exposed parts, except for the coin slot, a panel covering the top of the case down to the coin actuated devices and means for securing the same in place to at the same time hold said coin actuated devices down in position, a removable panel at the lower or base portion of the case extending below the cases of the coin actuated devices and partially in front of the same and said panel having side flanges extending over the sides of the case and hook members 15 at the upper outside corners of the case having edge recesses and projections 14 interlocked and engaged by the hook members 15, and a lock at the lower portion of said panel, and the lower edge of the lower panel recessed and prolonged at 16 and the lower front edge of the bottom of the case cut away at 17 to receive the part 16 of the lower panel.

Signed by me this 8th day of July, 1907.

EDGAR H. COOK.

Witnesses:

ARTHUR H. SERRELL.

E. ZACHARIASEN.