Jan. 27, 1931. C. J. BALL 1,790,131

COIN BANK

Filed May 13, 1927 2 Sheets-Sheet 1

Fig. 1

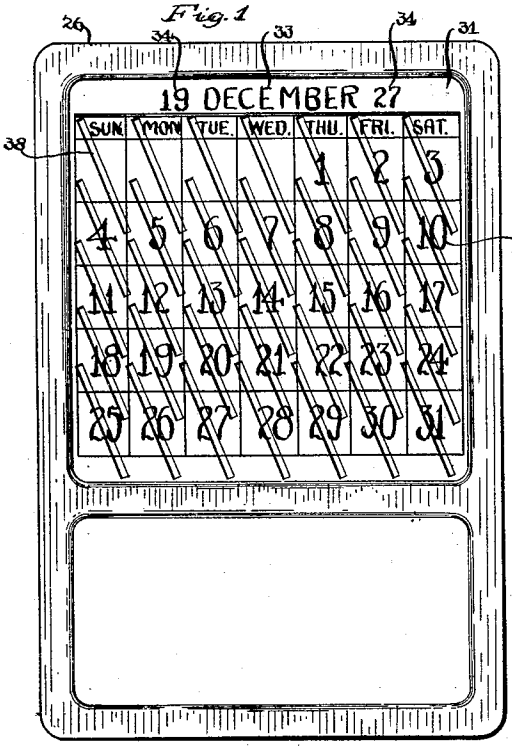
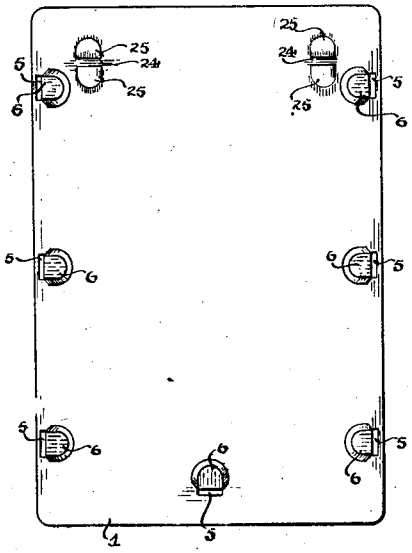


Fig. 3



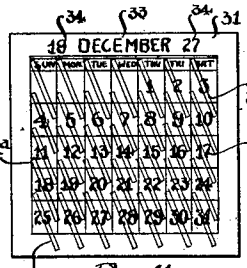


Fig 11

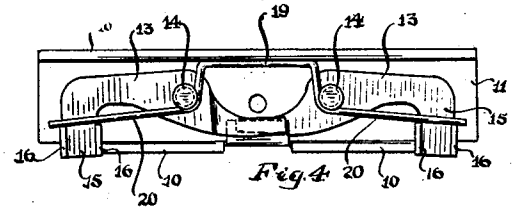


Fig. 4

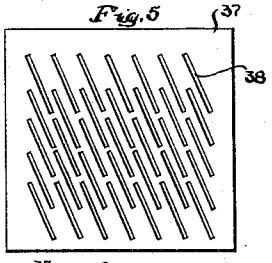
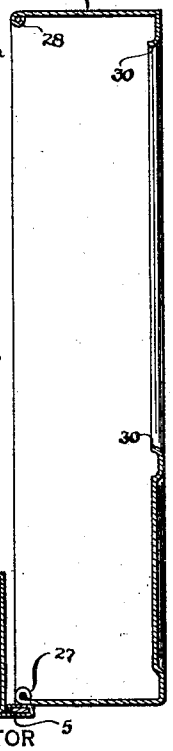


Fig. 5



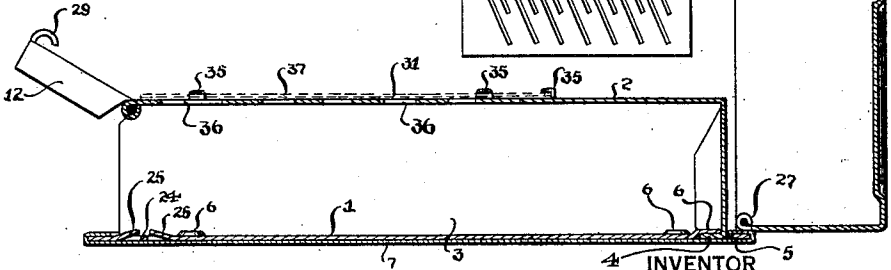


Fig. 2

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COIN BANK

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Fig. 6

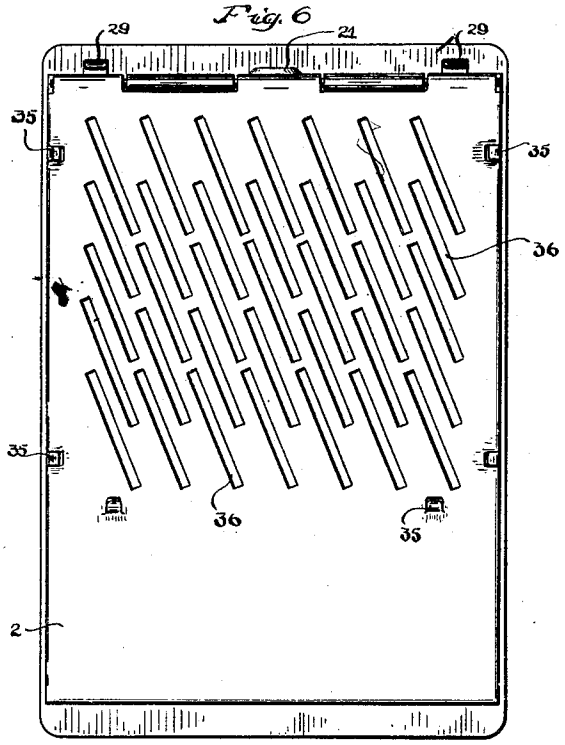
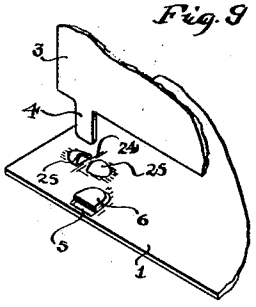


Fig. 9



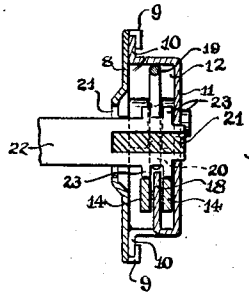


Fig. 10

Fig. 7

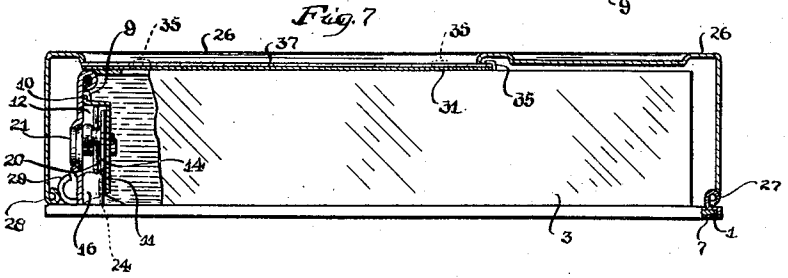
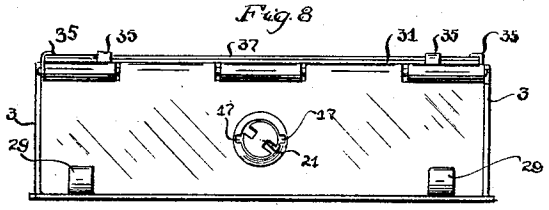


Fig. 8



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Patented Jan. 27, 1931 1,790,131

UNITED STATES PATENT OFFICE

CHARLES J. BALL, OF NEW YORK, N. Y., ASSIGNOR TO HAINES MANUFACTURING CORPORATION, OF ROCHESTER, NEW YORK

COIN BANK

Application filed May 13, 1927. Serial No. 191,212.

The present invention relates to coin banks and an object of the invention is to provide a novel means of associating with a coin bank a calendar sheet for the purpose of pointing out the dates on which coins are deposited therein. Another object of the invention is to provide a transparent cover for a puncturable sheet provided with slots through which the coins may be passed in order to rupture the sheet before a coin can be passed into the bank. A further object of the invention is to provide a calendar sheet which has on its face associated with each of its date indicating characters a figure simulating a coin slot so as to point out the puncture point for the character. A still further object of the invention is to provide a bank with a plurality of coin slots so arranged that a calendar sheet of minimum size and of the common form with its dates arranged in parallel columns may be associated with the slots. Still another object of the invention is to provide an arrangement of the coin slots which permit the provision of a maximum number of slots in a minimum area, so that the bank may have a small size. Other objects of the invention are to provide improvements which will give a strong and durable structure adapted to be inexpensively manufactured.

To these and other ends, the invention consists of certain parts and combinations of parts all of which will be hereinafter described; the novel features being pointed out in the appended claims.

In the drawings:

Fig. 1 is a plan view of a bank constructed in accordance with this invention;

Fig. 2 shows the bank in vertical section the cover and the closure in open positions;

Fig. 3 is a plan view of the inside face of the bottom plate;

Fig. 4 is a detail view of the locking mechanism;

Fig. 5 is a plan view of the transparent holding plate;

Fig. 6 is a plan view of the bank with the cover member, the transparent holding member and the calendar removed;

Fig. 7 is a sectional view through the bank in closed position;

Fig. 8 is an end view of the bank with the cover member and bottom covering piece removed;

Fig. 9 is a fragmentary detail view showing the manner in which the side wall of the casing is connected to the bottom plate;

Fig. 10 is a central section through the closure in the plane of the key opening; and

Fig. 11 is a detail view of the calendar sheet.

Referring to the illustrated embodiment of the invention 1 indicates the bottom plate of the receptacle, 2 the top wall and 3 the side walls of which there are but three. The bottom plate 1 is in the form of a plate of sheet metal, whereas the top wall 2 and side walls 3 are formed from one piece of sheet metal with lugs 4 along their lower edges. These lugs are adapted to be passed through slots 5 in the bottom wall and deflected inwardly beneath pressed-up portions 6 one adjacent each slot so that the outer faces of the lugs or projections 4 are flush with the under face of the bottom wall 1 in order that a single piece of sheet material 7 may cover the under side of the bottom wall and be turned over the margin of the bottom wall, whereby the connection between the bottom wall 1 and the side walls 3 are hidden.

The casing thus formed has an open end and this open end is closed by a closure comprising, in this instance, a front wall 8 with overhanging flanges 9 beneath which outwardly extending flanges 10 along opposite edges of the rear wall 11 are received, thus providing between the two walls a lock chamber 12 in which the locking mechanism is arranged.

The locking means, in this instance, comprises two levers 13, pivoted on two headed pivots 14 on the back or rear wall 11, said levers being formed of sheet metal and having downwardly turned outer ends 15 with laterally extending ears 16. The inner ends of these levers overlap adjacent a key opening 17 and the overlapping portions lie on opposite sides of a lip or partition 18 which extends upwardly from the lower edge of the rear wall. A single spring operates to hold the lower ends of these locking levers in their downward or locking positions and comprises, in this instance, a U shaped portion 19 lying between the headed pivots 14 and having arms 20 extending outwardly and engaging above the lugs 16. A barrel 21 turns in the front wall 9 and the rear wall 11 and receives a key 22 which is formed with two pairs of spaced projections on opposite sides. These spaced projections are adapted to engage the overlapping inner ends of the levers 13 to depress the same, the partition 18 being received in the slot or recess between the two projections 23. It is apparent that the partition 18 in addition to holding the levers 13 separated also acts to prevent the surreptitious opening of the bank. The depending ends 15 of the levers are adapted to be received in recesses 24 formed in the bottom member or plate 1 between two upstanding projections 25 pressed from the metal plate.

The bottom member projects outwardly beyond the side walls of the casing and a cover 26 formed of sheet metal with a depending surrounding flange is hinged at 27 to the bottom member preferably by pivoting the cover to the cover piece 7. At the swinging end of this cover 26 an inwardly turned bead 28 is provided which is adapted to engage beneath spring tongues 29 formed on the front wall of the closure so that the cover 26 is held in its covering position against accidental displacement while at the same time holding the closure in closed position. This cover member has an opening or window in its top wall to expose the top wall 2 of the casing, a flange 30 being provided about the margin of this window and being turned inwardly so that it acts as a clamping edge as will be described.

Associated with the bank is a sheet 21 formed of paper or other readily puncturable material. Preferably this sheet is in the form of a calendar of ordinary form having its date indicating characters 32 arranged in vertical columns. The sheet may also have the name 33 of the month and numbers 34 to indicate the year. Printed upon and associated with the characters 32 are elongated figures 32^a simulating coin slots. It will be noted that these elongated figures are arranged in parallel relation and are, in this instance, inclined with reference to the vertical columns of characters 32 on the calendar sheet, each elongated figure 32^a not only extending through the square enclosing one of the characters 32 but also extending into the square of one or more other characters 32.

The calendar sheet is held against the top 2 of the casing and to this end the casing top is provided with overhanging lugs or projections 35 for engaging three edges of the calendar sheet, the edge adjacent the casing closure being free so that the calendar sheet may be moved in its plane so as to engage beneath all of the overhanging projections 35. The top plate 2 of the casing has a plurality of coin slots 36 arranged in a plurality of parallel lines preferably at an angle other than a right angle to the longitudinal axis of the casing, the slots in adjacent lines overlapping. These slots are identical with the elongated figures 32^a on the calendar sheet so that the figures 32^a point out the positions of the slots.

With the end in view of protecting the calendar, holding the same over the coin slots in the casing, and, at the same time guiding the coins to the calendar and the coin slots in the casing, there is provided a transparent holding or cover member 37, in this instance, in the form of a sheet of celluloid provided with slots 38 arranged like the slots 36 and adapted to be aligned with said slots 36 and the elongated figures 32^a of the calendar. This sheet of celluloid is also held under the overhanging projections 35 and is slipped beneath said projection by moving it in its plane parallel with the top wall 2 from the closure end of the casing. The edge 30 of the cover 26 abuts this celluloid piece and holds the same firmly against the calendar, and the top wall 2 of the casing.

The bank is designed for distribution by savings banks and other financial institutions with the idea of inducing a customer to make daily deposits in the coin bank. The paper calender sheet covers the coin slots 36 and when a coin is passed through the calendar sheet, the latter becomes ruptured or perforated, thus indicating the deposit has been made on the date indicated by the character 32 through which the rupture passes. As these coin slots are arranged in parallel lines in overlapping arrangement it is possible to situate a large number of the slots closely together, thus making it possible to employ a small calendar sheet in connection with the bank. The calendar sheet is held in position by a transparent holding member which not only serves to expose the calendar but also serves to guide the coins through the proper character of the puncturable sheet and through the coin slots of the casing. The construction of the bank as a whole is strong and durable. It makes a neat appearance and can be inexpensively

manufactured. While, in this instance, the puncturable sheet is in the form of a calendar, it is apparent that the invention is not limited to a calendar sheet.

What I claim as my invention and desire to secure by Letters Patent is:—

1. In a coin bank comprising a casing provided with a plurality of coin slots, a calendar sheet arranged over the said slots, and a transparent holding means for the calendar sheet having slots coincident with the slots of the casing.

2. A coin bank comprising a casing having a plurality of coin slots, a calendar sheet arranged over said slots, a transparent plate formed with slots coincident with the slots in the casing and overlying the calendar sheet, and a cover member overlying the transparent plate and having a single opening exposing all of the slots in said transparent plate.

3. A coin bank comprising a bottom plate having slots and portions pressed up on the inner sides of the slots, a top wall, side flanges on the top wall, having tongues at their lower edges passed through the slots of the bottom plate and bent laterally into the pressed up portions of the bottom plate, and a covering piece covering the bottom face of the bottom plate and turned over the edges of the bottom plate and having free edges extending to side flanges of the top wall to cover the joint between the side flanges and the bottom wall.

4. A coin bank comprising a bottom wall, a top wall, three side walls connecting the top wall with the bottom wall, the bottom wall having two lugs pressed up from the same and spaced to provide a recess, the outer lug being inclined, a closure for the casing hinged to the top wall, and a spring pressed locking device carried by the closure and adapted to ride on said inclined lug to pass into the recess between the two lugs to lock the closure against swinging in either direction.

5. A coin bank comprising a casing having a bottom wall projecting at its edges beyond its side walls, and an opening in one of its sides, a hinge closure for said opening, a flanged cover member hinged to the projecting portion of the bottom wall to cover all parts of the casing except the bottom wall, said cover member having an opening arranged to expose a portion of the top wall of the casing, the top wall of the casing being provided with coin slots beneath said opening in the cover member, and a puncturable sheet arranged over said coin slots between the cover member and the top wall of the casing beneath said opening in the cover member.

6. A coin bank comprising a casing having a bottom wall projecting at its edges beyond its side walls, and an opening in one of its sides, a hinge closure for said opening, a flanged cover member hinged to the projecting portion of the bottom wall to cover all parts of the casing except the bottom wall, said cover member having an opening arranged to expose a portion of the top wall of the casing, the top wall of the casing being provided with coin slots beneath said opening in the cover member, and a puncturable sheet arranged over said coin slots between the cover member and the top wall of the casing beneath said opening in the cover member, the hinge of the cover member being arranged adjacent that side wall of the casing opposite the closure, and the closure having thereon a spring tongue engaged by the cover member to hold the cover member in covering position.

7. A coin bank comprising a casing having a top wall provided with coin slots, and an opening in one of its side walls, a hinged closure for the opening, a flanged cover member hinged to the casing opposite the side closed by the closure, said hinged cover member having an opening arranged to expose the coin slots in the top wall of the casing, and a puncturable sheet arranged over the coin slots of the top wall of the casing below the opening in the cover member.

8. A coil bank comprising a casing having coin slots in one wall thereof, a cover member for the casing having a single opening common to all of said coin slots, and an opaque puncturable sheet arranged between the cover member and the casing and having thereon figures simulating the coin slots in the casing, so that the figures on the calendar will lie above the slots in the casing to indicate the positions of the casing slots and means carried by the cover member and engaging the sheet to detachably but rigidly hold the same against shifting.

9. A coin bank comprising a casing having a plurality of coin slots in one wall thereof, a cover member for said wall having an opening common to all of said slots, and an opaque calendar sheet arranged between the casing and said cover member over said slots and beneath said opening in the cover member, the calendar sheet having marks thereon simulating the slots in size and arrangement, so that the position of said slots may be determined from the face of the calendar.

10. The combination with a coin bank having a plurality of coin slots therein, of a calendar sheet secured over said slots and having on it adjacent each of its date indicating characters a figure simulating a coin slot.

11. A coin bank comprising a casing, a puncturable sheet arranged on the casing and having figures thereon, and a transparent cover for the sheet having slots overlying said figures.

12. The combination with a coin receptacle having a bottom wall projected beyond the

side and end walls of the receptacle, a closure for said receptacle, and a cover member for the receptacle and the closure having side flanges extending about the side and end flanges of the receptacle, cooperating with the projecting portions of the bottom wall and hinged at one side to the projecting portion of the bottom wall.

13. A coin bank comprising a casing having a wall provided with coin slots arranged in parallel lines, each line containing a plurality of slots and the slots in each line interlapping with the slots in adjacent lines.

CHARLES J. BALL.