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L. HERMANI

2,492,864

TABLET BOX

Filed Feb. 21, 1945

FIG. 1

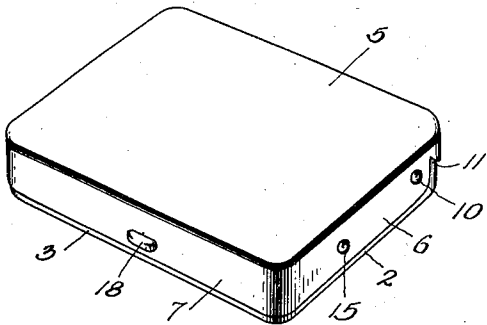


FIG. 2

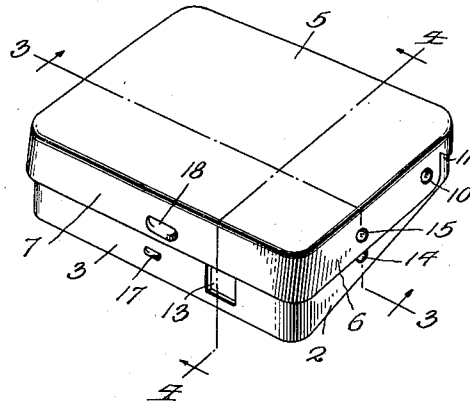


FIG. 3

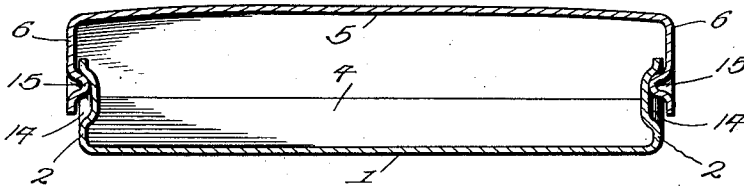


FIG. 5

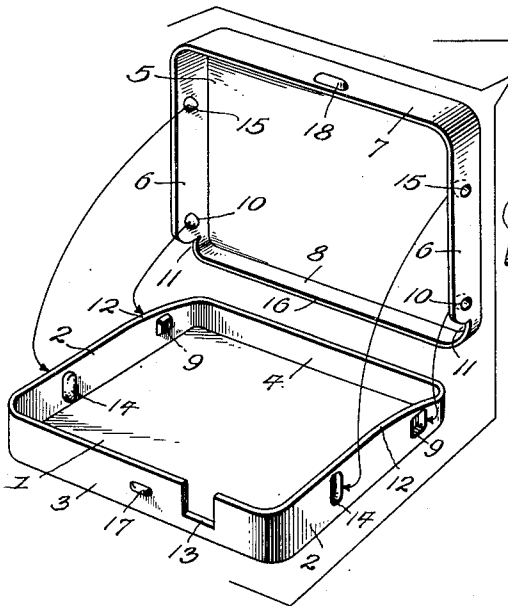
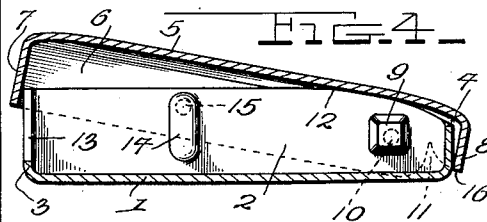


FIG. 4



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UNITED STATES PATENT OFFICE

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TABLET BOX

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Application February 21, 1945, Serial No. 578,980

1 Claim. (Cl. 206—42)

1

The invention relates to new and useful improvements in a metal box for dispensing tablets.

An object of the invention is to provide a two-piece box die cut and shaped from metal blanks wherein a dispensing opening in the front wall of the body portion of the box is closed by the front wall of the cover and opened when the rear side of the cover is pressed upon for dispensing the tablet through the opening.

A further object of the invention is to provide a tablet box of the above type wherein the cover is secured to the body of the box by hinge pintles which may move up and down relative to the body of the box to permit the cover to be depressed at the rear side for raising the front wall so as to uncover the dispensing opening.

A still further object of the invention is to provide a tablet box of the above type wherein the side and rear walls of the body are so shaped that the cover top may normally rest on the upper edges of the body wall when in closed position and fulcrum on the side walls when pressed upon at the rear thereof for the raising of the front portion and wherein stops are provided for limiting the opening movement of the cover.

In the drawings:

Figure 1 is a perspective view showing a tablet box embodying the improvements with the cover in closed position;

Figure 2 is a similar view but showing the cover moved to a position for dispensing tablets through an opening in the front wall of the body portion;

Figure 3 is a sectional view on the line 3—3 of Figure 2;

Figure 4 is a sectional view on the line 4—4 of Figure 2;

Figure 5 is a view in perspective showing the body portion of the box and also showing the cover portion of the box as lifted therefrom and positioned so that the interior thereof can be viewed.

The improved tablet box is a two-piece box made from sheet metal by die cutting and shaping. The completed body portion of the box includes a bottom 1, side walls 2, 2, a front wall 3 and a rear wall 4. The cover includes a top 5, side walls 6, 6, a front wall 7 and a rear wall 8. The cover is so dimensioned that the walls thereof extend down over and outside of the walls of the body of the box.

The side walls 2, 2 of the body of the box are offset inwardly at 9, 9 to provide recesses which are substantially rectangular. The side walls 6, 6 of the cover are provided with indents or pintles 10, 10 which are adapted to be sprung into the re-

2

cesses 9, 9. Inasmuch as these pintles are in the side walls of the cover, the side walls will yield to permit these pintles to snap into the recesses. To facilitate this assembly of the cover and the body portion of the box, the side walls 6, 6 are cut away as indicated at 11, 11. These hinge pintles are smaller than the recesses 9, 9 so that the hinge pintle is free to move up and down and back and forth in the recess during the shifting of the cover to open position, while at the same time the pintles serve as a hinge connection between the cover and the body of the box.

The side walls 2, 2 of the body are cut away from points 12 to the rear wall which is likewise cut away and this provides a clearance so that the cover will fulcrum on the curved cut-away portion of the side walls of the body when pressed upon at the rear and this will cause a lifting of the front wall of the cover to expose a portion of the dispensing opening 13 formed in the front wall 3 of the body of the box.

In order to provide a means for limiting the opening movement of the cover so that the front wall will not move above the body walls when shifted for uncovering the dispensing opening, the side walls of the body portion are provided with elongated recesses in which detents formed in the cover flange engage. The recesses in the side walls 2 of the body are indicated at 14, 14. These recesses are elongated vertically of the body wall and the detents indicated at 15, 15, which are more or less pointed, will shift vertically in this recess and contact with the upper edge of the recess, thus limiting the upward movement of the front portion of the cover. The rear wall 8 of the cover is cut away to a limited extent as indicated at 16. This cutting away of the rear wall of the cover is to permit the rear portion of the cover to be depressed when pressed upon without the rear wall moving below the plane of the bottom of the body portion of the box.

The detents 15, 15 are only sufficient in length to engage in the recesses and by pressure applied to the cover, they can be sprung out of the recesses and the cover moved to full open position for loading the same with tablets. After this the cover is returned to closed position and the detents 15, 15 snap into the recesses 14. During this opening movement the cover turns on the pintles 10, 10 which engage the recesses 9, 9. As noted above, these recesses are large relative to the hinge pintles 10 so that the hinge pintles may shift up and down and laterally to permit this swinging of the cover relative to

3

the body of the box. After the box has been loaded, the cover is moved to closed position and a detent 17 will snap into a recess 18 and hold the cover in closed position with the dispensing opening fully closed as shown in Figure 1.

When it is desired to dispense a tablet from the box the rear side of the box is pressed upon and this will release the detent 17 from the recess in the cover wall and the cover will fulcrum on the upper edges of the side walls of the body part so that the rear part of the cover may be moved downward as shown in Figure 4 and this will cause the front portion of the cover to be raised. The detents 15 contacting with the upper side of the recesses 14 will limit the upward movement of the front of the cover so that at no time is the front wall of the cover above the front walls of the body and therefore the only way a tablet can be removed from the box is through the opening 13.

It is obvious that minor changes in the details of construction may be made without departing from the spirit of the invention as set forth in the appended claim.

I claim:

A two-piece metal box for tablets comprising a body and a cover each having rear, front and side walls with the cover walls engaging over the body walls, said body walls being offset inwardly adjacent the rear wall to provide recesses, said cover walls having inwardly extending pintles adapted to engage said recesses and serve as a hinge connection for the cover, the recesses being dimensioned so as to permit the pintles to move up and down and back and forth therein, the side walls of the body and the rear wall thereof

4

being cut away at their upper sides to permit the cover top to rest on the side walls when closed and to fulcrum thereon at points in front of said pintles when pressed upon at the rear side so that a downward movement of the rear portion of the cover will move the front wall of the cover toward open position, said front wall of the body intermediate the ends thereof having a dispensing opening normally closed by the front wall of the cover, said side walls of the body being offset inwardly adjacent the front wall to provide elongated recesses terminating within the side walls and with the upper end walls of the recesses disposed adjacent the upper edge of the side walls and said side walls of the cover having detents extending inwardly therefrom adapted to engage said last-named recesses for engaging the end walls of the recesses and limiting the opening movement of the cover.

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