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DISPENSING CARTON FOR PILLS OR OTHER SMALL ARTICLES

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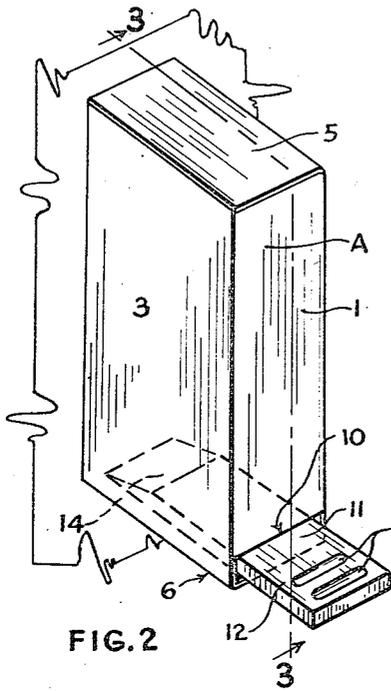


FIG. 2

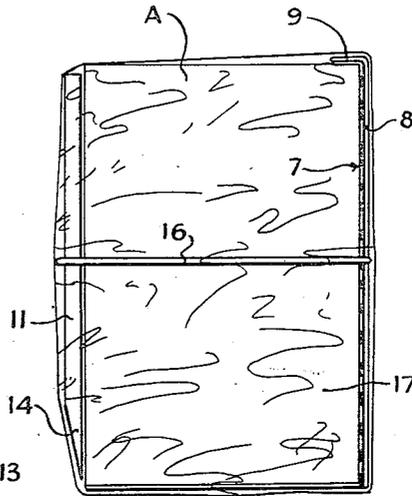


FIG. 1

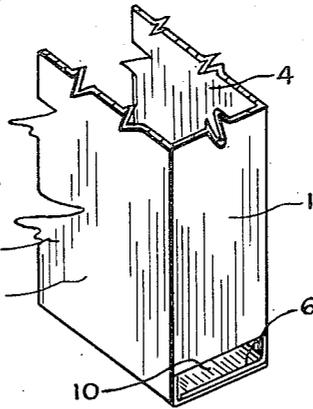


FIG. 4

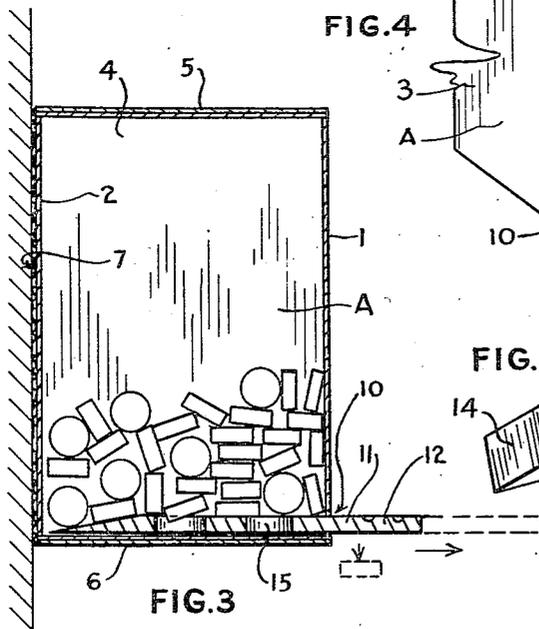


FIG. 3

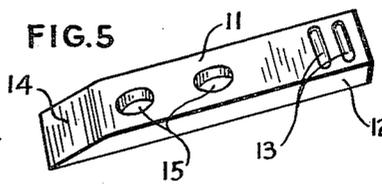


FIG. 5

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1

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**DISPENSING CARTON FOR PILLS OR OTHER SMALL ARTICLES**

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Application June 14, 1951, Serial No. 231,532

1 Claim. (Cl. 206—56)

This invention relates to improvements in a dispensing carton for pills or other small articles and appertains particularly to one adapted for self mounting on a vertical surface such as a wall or medicine cabinet.

An object of the invention is to provide a pill dispensing container that may be conveniently mounted for use without the employment of extraneous fasteners or hangers, having one exterior side of the carton provided with an adhesive that is initially protected by a removable member.

A further object of the invention is to provide an easily constructed, low cost dispensing carton formed from a single cardboard blank with a reciprocating perforated slider resting on the bottom of the carton and projecting through a slot in the front, by which a pill nesting by gravity in the perforation is drawn forwardly clear of the carton and drops through the perforation.

A further object of the invention is the provision of a discardable self mounting, pill dispensing carton in which the slider may be applied against the front of the box overlying the outlet slot and the whole enveloped in a cellophane or similar wrapper for distribution and sale.

To the accomplishment of these and related objects as shall become apparent as the description proceeds, the invention resides in the construction, combination and arrangement of parts as shall be hereinafter more fully described, illustrated in the accompanying drawings, and pointed out in the claims hereunto appended.

The invention will be best understood and can be more clearly described when reference is had to the drawings forming a part of this disclosure wherein like characters indicate like parts throughout the several views.

In the drawings:

Figure 1 is a side elevation of a complete, cellophane-wrapped carton;

Figure 2 is a perspective view of an opened carton, mounted adhesively to a wall and with the dispensing slider inserted ready for use;

Figure 3 is a vertical section therethrough, as taken on line 3—3 of Figure 2;

Figure 4 is a perspective detail of the front lower portion of the carton; and

Figure 5 is a perspective elevation of the slider.

The carton shown herein is a conventional cardboard box formed from a single blank and having a front 1, back 2, opposite side walls 3 and 4, a top 5 and a bottom 6; intumed flaps from the walls may provide extra thickness in the top and bottom and one of the walls, as usually occurs in such boxes.

The back 2 is coated with an adhesive composition 7 of the so-called pressure sensitive type, and initially covered by a sealable or tear-off cover 8 projecting above the top 5 of the carton A in a grip tab 9.

The front 1, or any desired wall, ends short of the bottom 6 to provide a shallow slot 10 opening into the box and supported on the bottom of the box and slid-

2

able through this slot is a dispensing member 11, in cross-section substantially the same dimension as the opening afforded by the slot but, in length, greater than the distance from front to back of the carton A so that a portion of the slide member 11 projects outside of the box as a handle grip 12 and may be suitably ridged as at 13. At its inner end, the top of the slider declines in a taper 14 to a thin edge, for the purpose of passing easily under any superposing pill-like contents in the carton. Between this tapered end and its normally projecting or exposed part, the slider 11 is provided with a pair of longitudinally spaced pill-passing perforations 15.

In operation, this sliding dispenser is reciprocable between a "closed position," with the tapered end 14 in actual or near engagement with the back 2, when a pill falls into one of the perforations 15, maybe a pill in each; and "extended" or "dispensing position" in which it is drawn outwardly until one or both of the perforations is exposed and clear of the front of the box. The slider 11 is of a thickness corresponding with that of the pills and the perforations 15 are of a diameter just larger than the diameter of a pill so that as the pills in the box, resting on the slider, sift one at a time to nest in the pockets such perforations provide in conjunction with the supporting and underlying bottom 6 of the carton, they may be drawn clear of the carton as the slider is pulled outwards. If a pill has nested in the front perforation, the slider need only be pulled out until that perforation is clear of the front of the box and the pill drops through the dispensing slider; while if no pill be caught in the front pocket, the slider is pulled out further to similarly expose the second perforation and the pill nested therein is received. With this two-perforation slider, a pill is dispensed on each reciprocation in more than 95% of the cases. As the slider is pressed back into "closed position," its tapered inner end passes easily under the pile of pills remaining in the carton for reloading of the pockets.

This carton may be used for packaging and over-the-counter vending of pills in a condition allowing it to be quickly prepared for use and removably mounted on a wall or like structure as seen in Figures 2 and 3. A preferred form of assembly and wrapping appears in Figure 1, where the slider 11 is applied against the front 1 of the carton A and extends substantially the full height thereof thus covering the slot 10 where it may be temporarily held by an elastic band 16, and the whole enveloped in a transparent envelope or covering 17 with the tab 9 bent down over the top 5.

In use, the transparent or cellophane wrapper is torn off, the elastic band removed and the slider, taper end first and incline to the top, is inserted in the slot; the peelable strip pulled off and the adhesive-coated back of the carton pressed against the wall.

From the foregoing description taken in connection with the accompanying drawings, it will be manifest that a dispensing carton for pills or other small articles is provided that will fulfil all the necessary requirements of such a device, but as many changes could be made in the above description and many apparently widely different embodiments of the invention may be constructed within the scope of the appended claims, without departing from the spirit or scope thereof, it is intended that all matters contained in the said accompanying specification and drawing shall be interpreted as illustrative and not in a limitative or restrictive sense.

Having thus described the invention, what I claim as new is:

A pill shipping and display package of the dispensing type comprising a box of rectangular shape with front, back, side, top and bottom walls, said front wall terminat-

3  
 ing above the bottom wall and thereby providing a slot across its lower edge for the full width thereof excepting for the thickness of the side walls, an elongated dispensing member adapted to extend for the greater part of its length through the slot and to be worked therein for the purpose of dispensing the pills therefrom, said dispensing member being of a length substantially equal to the height of the front wall of the box, of a width substantially equal to the width of the slot and of a cross-section conforming to the slot area, said dispensing member being disposed flush against the front wall of the box and over the slot thereby providing a temporary closure to retain the pills within the box during shipment and display, and means for releasably securing the dispensing member to the box in its slot closing position. 15

4  
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