

Dec. 27, 1932.

A. BARAD

1,892,092

BOX

Filed Aug. 13, 1931

Fig. 1.

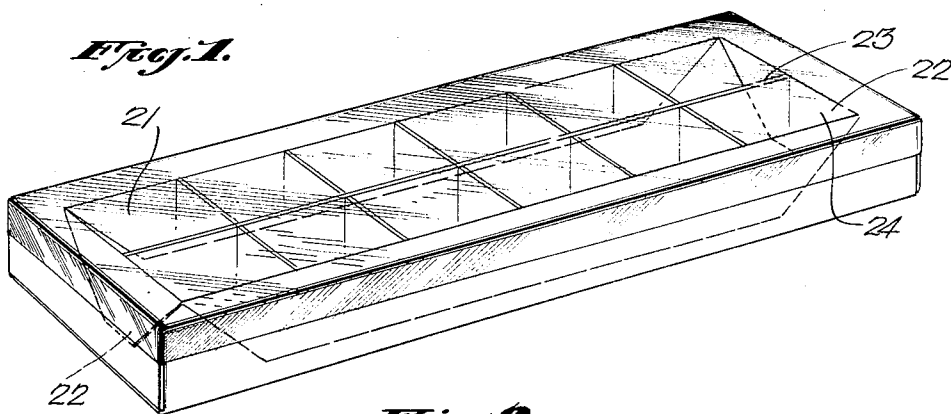


Fig. 2.

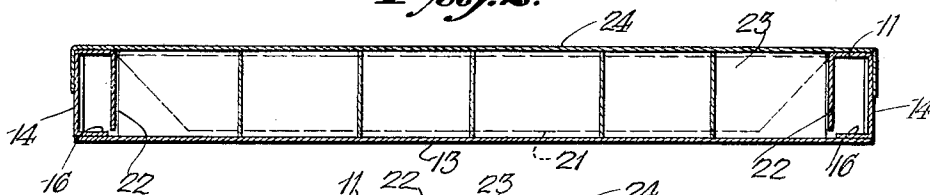


Fig. 3.

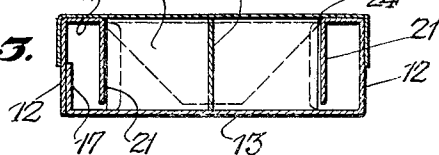


Fig. 4.

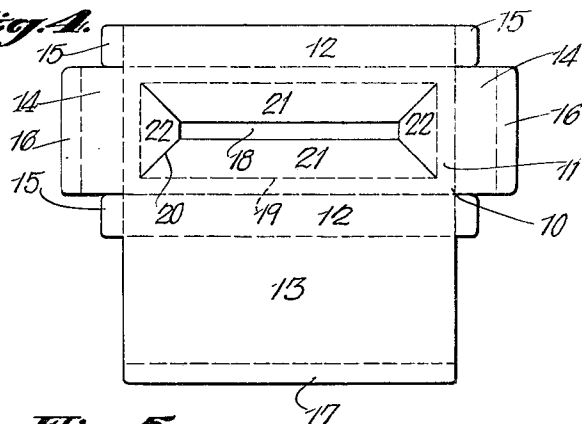
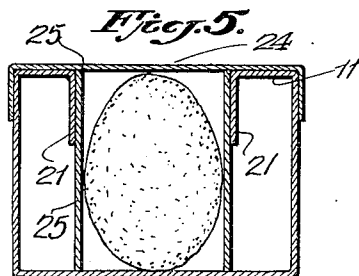


Fig. 5.



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BOX

Application filed August 13, 1931. Serial No. 556,911.

This invention relates to improvements in boxes and has particular reference to a cardboard or paper box.

The primary object of the invention resides in a box construction of the open face type which permits of the contents of the same to be viewed, and in which the material cut out to provide the opening, is utilized by bending or folding the same inwardly of the body of the box in spaced relation to the walls of the body. This provides resilient inner walls which will yield and protect fragile articles such as hollow candy objects and the like against breakage during shipment and handling.

Another object is to provide a cardboard box in which the cushioning walls may be formed within the body irrespective of the depth of the box.

A further object is the provision of a box having the above characteristics which is simple and strong of construction, and inexpensive of manufacture.

With these and other objects in view, the invention resides in the certain novel construction, combination and arrangement of parts, the essential features of which are hereinafter fully described, are particularly pointed out in the appended claims, and are illustrated in the accompanying drawing, in which:

Figure 1 is a perspective view of my invention embodied in a cardboard box of the shallow type.

Figure 2 is a longitudinal sectional view therethrough.

Figure 3 is a vertical transverse sectional view.

Figure 4 is a plan view of the blank from which the box is constructed.

Figure 5 is a vertical transverse sectional view through a box embodying my invention, the body being relatively deep with respect to the width.

Referring to the drawing by reference character, the numeral 10 designates a cardboard blank which is cut and scored to provide a top wall 11, side walls 12—12, bottom wall 13, and end walls 14—14 integral with the ends of the side walls 12—12 are end flaps

15, while integral with the end walls 14 are flaps 16. When blank is folded on the dotted lines and the flap 17 which is integral with the bottom wall 13 is adhesively secured to one of the side walls 12, the box will produce the effect as shown in Figure 1 of the drawing. I am not concerned in the construction of the body of the box other than that the same may be of a shallow depth as shown in Figures 1 to 3, inclusive, or may be of such proportions as to be relatively deep as shown in Figure 5 of the drawing.

During the cutting or scoring of the blank from which the box is constructed, the top wall 11 is slit or slotted lengthwise as at 18, while inwardly of the scored lines defining or bounding the top wall, there is provided scored or perforated lines 19, which lines are disposed parallel to the edges of the top walls 11. Extending inwardly from the corners of the rectangle formed by the scored lines 19 are slits 20 which are angularly disposed so as to divide the top into side flaps 21 and end flaps 22. When the box is set up, the flaps 21 and 22 are bent inwardly of the body of the box on the scored lines 19 so as to provide inner cushioning walls disposed in spaced relation to the side walls 12 and end walls 14 of the box body. These cushioning walls extend to a point adjacent the bottom 13 of the box body, and are capable of outward yielding movement to protect the contents placed in the box, and which contents may be in the form of hollow candy objects or other fragile material. If desired, a cardboard partition structure 23 may be placed through the open top of the box body to divide the inside of the box into a plurality of nests or compartments. Each compartment or nest being provided with at least one yieldable wall. After the box has been packed, the open top side is covered by a covering of transparent material such as cellophane 24, with the edges turned down against the side and end walls of the box body and adhesively secured thereto. This produces an attractive package which permits the contents to be viewed at all times and by reason of the resilient inner wall, the contents of the box are

prevented from damage during shipment and careless handling.

In Figure 5 of the drawing the same reference characters above mentioned refer to similar parts, and the only difference between the form of my invention as shown in Figure 5 and that previously described is that the body of the box is relatively deep in proportion to its width, whereby the inner cushioning walls which are cut and bent from the top of the box body terminate some distance short of the bottom wall. In boxes of relatively deep construction with respect to the width, I place removable partition strips 25 within the box body, the lower edges of the strips resting upon the bottom 13 while the upper portions of the strips embrace the cushioning walls 21 and 22. The same cushioning qualities are produced in this type of box as those produced in the previous shallow type box.

From the foregoing description, it will be seen that I have provided a box of the open face type which is capable of receiving fragile articles such as hollow chocolate objects and which will protect them against accidental breakage.

While I have shown and described what I deem to be the most desirable embodiments of my invention, I wish it to be understood that various changes in construction may be resorted to if desired, as come within the scope of the appended claims.

Having thus described the invention, what I claim as new and desire to secure by Letters Patent is:—

1. A box comprising a cardboard body, and inwardly extending cushion flaps cut from the top wall of said body and bent inwardly on lines scored inwardly of and parallel to both the side and end walls of said body.

2. A box comprising a cardboard body having a slot centrally in the top wall thereof, the top wall being scored parallel to and inward of the edges thereof, and angular slits between the scored portions and the walls of said slots to provide inwardly foldable cushion flaps.

3. A box comprising a cardboard body having a rectangular shaped top wall provided centrally with an elongated slot terminating in spaced relation to the end edges of said top wall, meeting score lines inward of and parallel to the side edges of said top wall, and slits extending from the meeting ends of said score lines to the opposite ends of said slots to provide inwardly foldable cushioning flaps.

In testimony whereof I affix my signature.
ALEXANDER BARAD.