Feb. 15, 1938. D. SULLIVAN 2,108,300

BOX

Filed Jan. 20, 1936

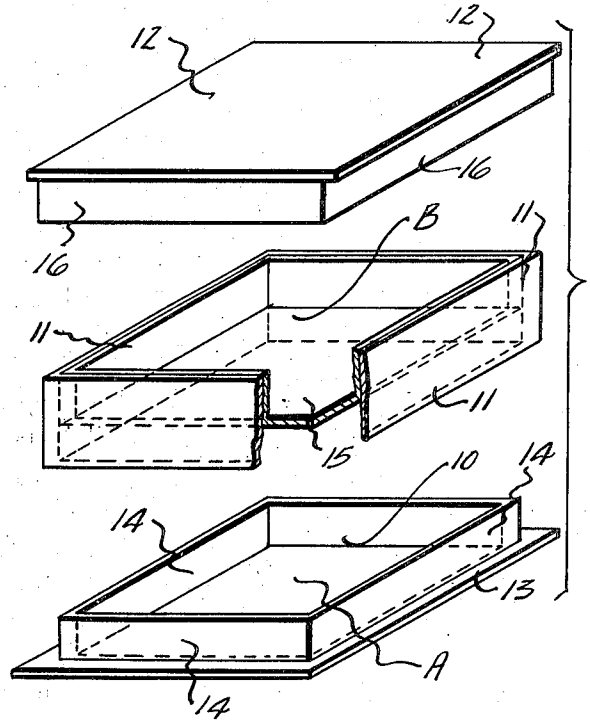


Fig. 2

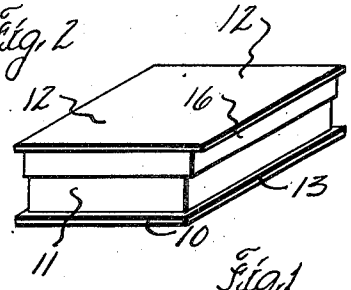


Fig. 1

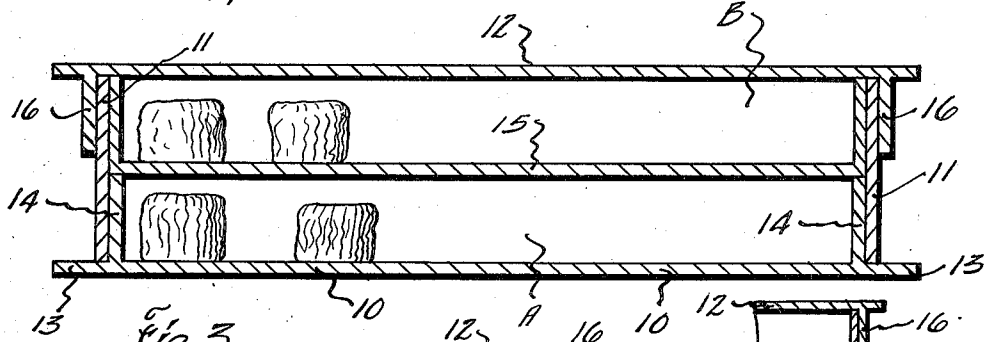


Fig. 3

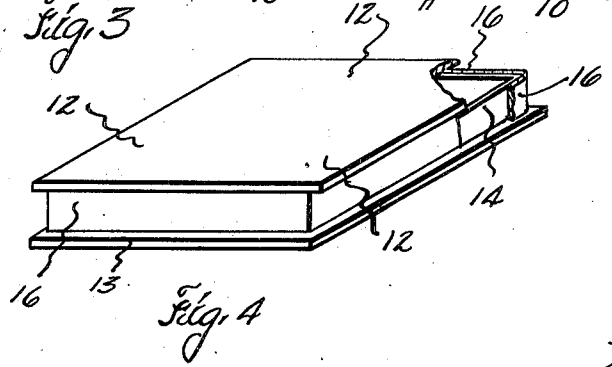


Fig. 4

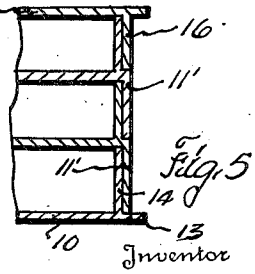


Fig. 5

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UNITED STATES PATENT OFFICE

2,108,300

BOX

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Application January 20, 1936, Serial No. 59,824

1 Claim. (Cl. 229—15)

This invention relates to new and useful improvements in boxes.

One object of the invention is to provide an improved box of the double layer type generally employed in packing candy or other commodities.

An important object of the invention is to provide an improved candy box of the layer type which is so constructed that the upper layer may be entirely removed from the lower layer, whereby access to said lower layer may be had without disturbing the contents of said upper layer.

Another object of the invention is to provide a box including a tray arranged to receive a collar which in turn is closed by a cover, the construction of the parts being such that the collar may be entirely removed and the cover utilized to close the tray, whereby a smaller box is had by removing said collar.

A construction designed to carry out the invention will be hereinafter described, together with other features of the invention.

The invention will be more readily understood from a reading of the following specification and by reference to the accompanying drawing, in which an example of the invention is shown, and wherein:

Figure 1 is an isometric view of a box, constructed in accordance with the invention,

Figure 2 is an isometric view of the parts forming the box, said parts being separated from each other and shown one above the other,

Figure 3 is a transverse, vertical sectional view, taken through the box,

Figure 4 is an isometric view, showing the cover applied to the tray with the collar supporting the upper layer removed, and

Figure 5 is a partial transverse, vertical sectional view of a modified form of the box.

In the drawing, the numeral 10 designates a tray which may be square as shown, or of any other desired shape. The tray is preferably made of cardboard, or other suitable material, and receives a collar 11. The collar, in turn, receives a closure or cover 12. When the parts are placed together (Figures 1 and 3) they form the improved box.

The tray 10 is formed of a flat, square base 13 which has an upwardly extending flange 14 spaced from its edge and extending completely therearound. The height of the flange may vary, but is preferably of such height as to extend above the candy, or other commodity, which may be placed within the tray. It is obvious that a layer of candy may be placed within the tray and since the tray forms the bottom of the box, this may be termed the bottom, or lower layer.

The collar 11 is square in cross-section and is of such size as to snugly fit over the upwardly extending flange 14. The height of the collar is substantially twice that of the flange. When said collar is placed over the flange, with its lower edge engaging the base 13 of the tray, the upper half of said collar extends above the upper edge of the flange (Figure 3). A flanged square tray 15 is glued, or otherwise fastened within the collar 11 and the bottom of this tray forms a transverse partition which is located substantially midheight of the collar. Thus, when the collar is encircling the flange, it will be seen that the base 13 of the tray forms the bottom layer of the box, while the tray 15 forms the upper or top layer of said box. It is noted that the bottom of the tray 15 engages the upper end of the flange 14 (Figure 3) when the collar is in position on the tray 10.

The cover 12 is formed with a depending flange 16 which is spaced from the edge portion of the top of said cover. However, it is noted that the flange could be located at the peripheral edge of said top. The depending flange 16 is adapted to fit over the upper end of the collar 11 to form a suitable closure for the box.

From the above, it will be seen that candy, or other confection, may be placed in a layer in the tray 10 within the flange 14. The collar 11, having the tray 15 therein, is then placed over the flange so that the bottom of this tray rests on the base 13. Candy may then be placed in the tray 15 and thus the second layer formed. The top 12 on the collar closes the box.

If it is desired to gain access to contents of the lower layer A in the tray, without disturbing the contents of the upper layer B, it is only necessary to remove the collar 11 from the tray. Since the bottom of the tray 15, which carries the upper layer, is a part of the collar, removal of the collar removes the upper layer so that the contents of the lower layer is exposed. Replacement of the collar restores the box to a double layer box. Access to the upper layer is, of course, had by removing the cover 12.

If desired, the box may readily be reduced in size. Assuming the box to be a one pound size, each layer would be one-half pound. If the consumer wishes to purchase only one-half pound, then the collar 11 may be removed from the tray, which will remove the upper layer. The cover 12 may then be placed over the upwardly

extending flange 14 of the tray to form a one layer box which may be sold to the consumer. Thus, the removability of the top layer not only makes for ready access to the lower layer, without disturbing the contents of the upper layer, but also permits the box to be reduced in size, when desired.

It is pointed out that although the box shown and described consists of only two layers, any number of collars 11', each having a transverse partition for supporting a layer may be located between the tray 10 and top 12, as is shown in Figure 5. Thus, any or all of the collars 11' may be removed to permit access to any layer. Also the box may be reduced to any desired size by removal of one or more of the collars.

Although the lower end of the collar 11 is shown as engaging over the flange 14, it is obvious that the lower end of said collar could be inserted within the flange. Similarly, if desiired, the flange 16 of the cover could be inserted within the collar. However, the structure shown has been found most practical because the contents of the box interferes with the insertion of the flange and collar.

Further, if desired the base 13 of the tray 10 could be terminated at the flange 14 and need not extend beyond said flange. In such event, the partition engaging the upper edge of the flange 14 would limit the downward movement of the collar.

What I claim and desire to secure by Letters Patent, is:

The herein described box comprising, an outer collar member, an upper tray having a bottom affording a partition for dividing the box into upper and lower compartments and a surrounding upstanding marginal flange secured to the inside of the upper portion of the collar member with its upper edge substantially flush with the edge of the collar member, a lower tray having a surrounding upstanding flange adapted to fit slidably in the lower portion of said collar member with the upper edge of said upstanding flange abutting the bottom of the upper tray and said lower tray having an outwardly extending flange extension of its bottom against which the lower edge of said collar member abuts, and a marginally walled cover adapted to fit interchangeably as a closure for either the upper or the lower tray.

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