Aug. 6, 1935. M. J. TARBAY 2,010,118

DISPLAY PACKING CASE

Filed April 10, 1933

Fig. 1.

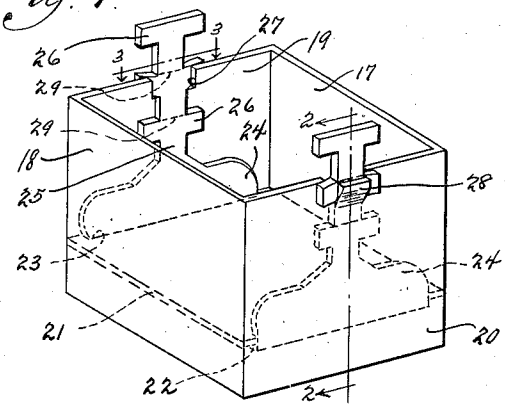


Fig. 2.

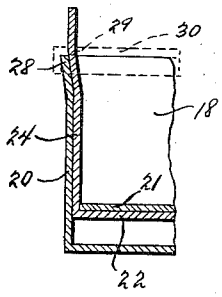


Fig. 3.

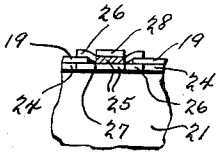


Fig. 4.

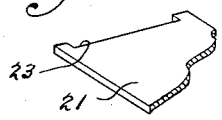


Fig. 6.

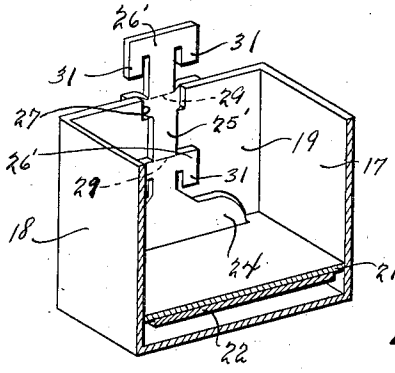


Fig. 5.

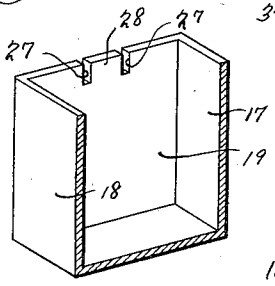


Fig. 8.

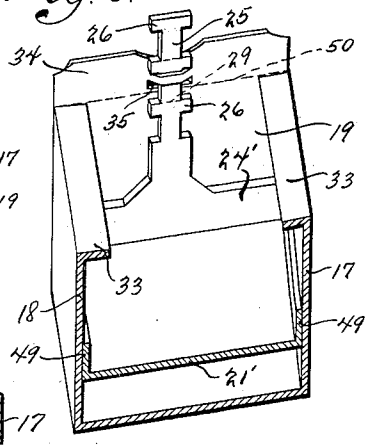


Fig. 7.

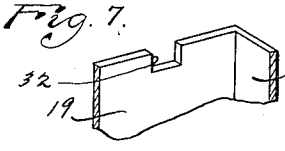


Fig. 11.

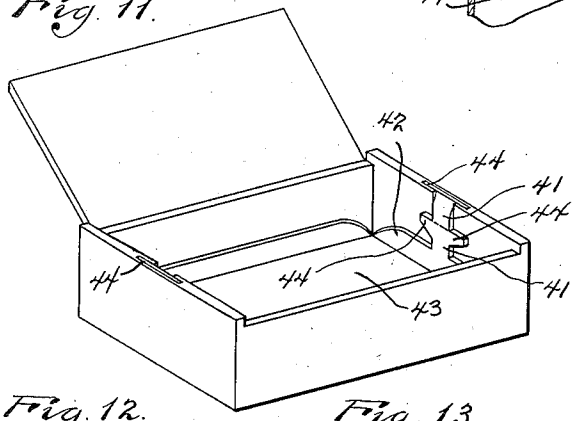


Fig. 9.

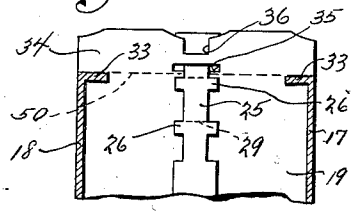


Fig. 10.

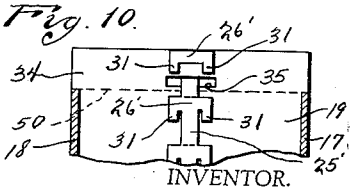


Fig. 12.

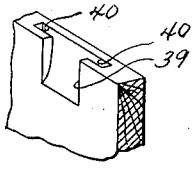
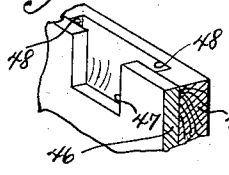


Fig. 13.



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Patented Aug. 6, 1935 2,010,118

UNITED STATES PATENT OFFICE

2,010,118

DISPLAY PACKING CASE

Michael J. Tarbay, Detroit, Mich.

Application April 10, 1933, Serial No. 665,244

3 Claims. (Cl. 206—44)

My invention relates to a new and useful improvement in a container adapted for use as a receptacle in which goods are packed and shipped, and from which goods are dispensed or used in quantities less than the complete content of the container. The invention is particularly adapted for use as a cookie box, cracker box, cigar box, or container in which commodities such as macaroni and similar goods sold in bulk are packed and dispensed from the package in which they are packed.

It is an object of the present invention to provide a simple and effective means whereby as the contents are removed from the container the remaining contents may be raised to the level of the top of the container so that the package always has the appearance of being fresh and full and the goods are in easy access to the person removing the same therefrom.

It is another object of the present invention to provide a slidable or false bottom on which the goods placed on the container may rest and which may be movable relatively to the top of the container so that the goods supported thereon may be raised upwardly as the same are removed from the package or container.

It is another object of the present invention to provide a supporting member having a false bottom having laterally extending tabs or ears engageable in a slit or notch formed in the upper edge of the box or container so that the false bottom may be raised upwardly to various locations and easily and quickly locked in various positions.

It is another object of the present invention to provide in a container of this class having a false bottom movable upwardly and downwardly of elongated tongues having a plurality of laterally projecting tabs or ears which may be engaged in a suitable notch or recess in the upper edge of the box at the various locations of the tabs or ears and the surplus material torn away so that the placing of a cover on the container will not be interfered with.

Another object of the invention is the provision of a device which will be simple in structure, economical of manufacture, durable, easily and quickly operated, highly efficient in use, and effecting to a minimum degree the normal appearance of the container.

Other objects will appear hereinafter.

The invention consists in the combination and arrangement of parts hereinafter described and claimed.

The invention will be best understood by a reference to the accompanying drawing which forms a part of this specification, and in which,

Fig. 1 is a perspective view of one form of the invention.

Fig. 2 is a fragmentary sectional view taken on line 2—2 of Fig. 1.

Fig. 3 is a fragmentary sectional view taken on line 3—3 of Fig. 1.

Fig. 4 is a fragmentary perspective view of the false bottom.

Fig. 5 is a fragmentary perspective view of one end of the container with the false bottom and its supporting member removed.

Fig. 6 is a fragmentary perspective view of an end of a modified form of the invention.

Fig. 7 is a fragmentary view of a modified form of the end wall of the container.

Fig. 8 is a fragmentary perspective view of a further modified form of the invention.

Fig. 9 is a fragmentary view of the form shown in Fig. 8 with the supporting member in unlocked position.

Fig. 10 is a view similar to Fig. 9 showing a slightly different form of container.

Fig. 11 is a perspective view of a further modified form of the invention.

Fig. 12 is an enlarged fragmentary perspective view of one of the end walls of the container shown in Fig. 11.

Fig. 13 is a slightly modified form of the structure shown in Fig. 12 and Fig. 11.

The invention is adapted for use with a container having side walls 17 and 18 and end walls 19 and 20. A false or slidable bottom 21 is used with the invention, and in the form shown in Fig. 1, this false bottom is supported by a suitable supporting member 22 which is narrower than the false bottom 21 and engages at its upwardly turned ends 24 in the recess 23 formed in the opposite ends of the false bottom 21. Projecting upwardly from the upwardly turned portion 24 of the supporting member 22 are the elongated tongues 25 projecting from opposite sides of which, in the pre-determined locations and in spaced relation to each other, are the tabs or locking ears 26. In the form shown in Fig. 1 the end walls are provided with the spaced slots 27 so as to provide a tongue 28 positioned therebetween, these slots extending inwardly from the upper edge of the end walls.

In use, the bottom 21 may be moved upwardly the desired distance with the tongue 25 engaging the inner face of the end walls, the tabs or locking ears 26, are then engaged in the slots 27 so as to lie in engagement with the outer face of

the end walls, forcing the tongues 28 to flex outwardly as clearly shown in Fig. 1. The tongue 25 is scored at the lines 29 so that the upwardly projecting portion of the tongue may be torn away at the scored lines, thus locking the bottom 21 in its various positions of adjustment vertically relatively to the upper edge of the container and in no manner interfering with the placing of a cover 30 on the container. The formation of the slots in the container is a simple operation involving practically no expense in the fabrication of the box. The locking of the bottom in various positions is easily and quickly effected as appears evident from the description. With the device constructed in this manner, the advantages sought are obtained as the contents of the container may be retained substantially level with the top of the box regardless of the amount which has been used from the container.

In Fig. 6 I have shown a slightly modified form of the invention, in which the tongue 25' is provided with the laterally extending tabs or ears 26' having the downwardly projecting portions 31 in a T-shaped arrangement, and thus affording a slightly greater bearing of the locking members or tabs with the outer surface of the end walls.

In Fig. 7 I have shown the end wall 19 provided with a notch 32 instead of the slots, this notch being formed slightly greater than the width of the tongue 25 and 25', so that the laterally projecting tabs or ears will project upon the opposite sides and lie in engagement with the outer surface of the end wall.

It is obvious that if desired the portions 24 may project upwardly from the false bottom 21 itself and be formed integral therewith.

In the form shown in Fig. 8, the upwardly projecting portions 24' are formed integral with the false bottom 21' which is also provided with the upwardly projecting flaps or flanges 49 at opposite sides thereof. The side walls 17 and 18 of the container shown in Fig. 8 are provided with the inwardly projecting flaps or flanges 33 and the end walls are provided with the inwardly projecting flaps or flanges 34, bendable on the line 50. This is a type of container or box which is commonly used with crackers and cookies, and Fig. 8 illustrates the adaptation of the invention to this form of structure. A slot 35 is cut in the flange 34 and the upper edge of the flange is notched or cut away as at 36. The tongue 25 with the spaced laterally projecting tabs or ears 26 is projected through the slot 35 so as to engage the outer face of the flange or flap 34. The tabs or ears 26 are, when in locking position, flexed into engagement with the inner face of the flap or flange 34. Thus the bottom 21' may be elevated to the desired position of adjustment and securely fastened, while in no manner interfering with the normal functioning of the flap 34 or the placing of a cover on the container.

In Fig. 10 I have shown the tongue 25' carrying the tabs or ears 26' and the downwardly turned portions 31 projected through the slot 35 in the flap 34, the ends 31 lying in engagement with the inner face of the flap 34 after the tab 26' is positioned in the recess 36.

In Fig. 11 I have illustrated the invention used with a wooden box or similar container, and especially adapted for use with a cigar box. The end walls are recessed as at 39 and formed in the upper edge of the end walls so as to communicate with the recess 39 and projecting on opposite sides thereof is a groove 40. The bottom 43 is formed with the upwardly projecting flap or flange 42 at its opposite ends. Projecting upwardly from this flap or flange is a tongue 41 carrying laterally projecting tabs or ears 44 which may engage in the groove portion 40 when the upper end of the tongue is flexed outwardly so as to lie in engagement with the recess 39.

In Fig. 13, I have shown a slightly modified form of the structure illustrated in Fig. 12. In the form shown in Fig. 13 the end wall 45 is provided with a separate layer 46 of cardboard, wood, or the like, in which is formed the recess 47. Formed in the end wall 45 is the groove 43 which extends at the opposite sides of the recess 47. The method of locking the false bottom in position is the same in the form shown in Fig. 13 as the form shown in Fig. 12.

It will thus be noted that in all of the forms the false bottom carries an upwardly projecting tongue having the laterally projecting tabs or ears which engage at opposite sides of either a slot or a notch or a recess formed in the end walls, and which may be very easily and quickly engaged in position for locking the bottom in its various positions of adjustment.

While I have illustrated and described the preferred form of my invention, I do not wish to limit myself to the precise details of structure shown but desire to avail myself of such variations and modifications as may come within the scope of the appended claims.

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

1. A device of the class described comprising: a container having oppositely disposed end walls, each of said end walls having a portion cut away at the upper edge to form an inwardly projecting slot; a false bottom slidably positioned in said container; tongues projecting upwardly from said bottom at opposite ends thereof and adaptable for lying in engagement with the inner surface of said end walls; a plurality of laterally extending tabs carried by said tongues in spaced relation to each other and projecting outwardly from opposite sides of said tongue and engageable in said slot for securing said bottom in various positions relatively to said edges.

2. A device of the class described comprising: a container having oppositely disposed end walls, each of said end walls having a cut away portion at and extending inwardly of its upper edge; a false bottom slidably positioned in said container; a supporting member for supporting said bottom; a tongue projecting upwardly from said supporting member; a plurality of laterally extending tabs projecting outwardly from opposite sides of said tongue in spaced relation to each other, said tabs being engageable in the cut away portion of said edges for securing said bottom in various positions relatively thereto.

3. A device of the class described comprising: a container having oppositely disposed end walls, the upper edge of said end walls having a portion cut away, the cut away portion extending inwardly from the upper edge; a tongue projecting upwardly from opposite ends of said bottom; a plurality of spaced tabs projecting outwardly from opposite sides of said tongue, said tongue lying in engagement with the inner surface of said end walls and said tongues being adapted for engagement with the opposite sides of said end walls at the cut away portion, said tabs overlying the cut away portion at its opposite edges.

MICHAEL J. TARBAY.