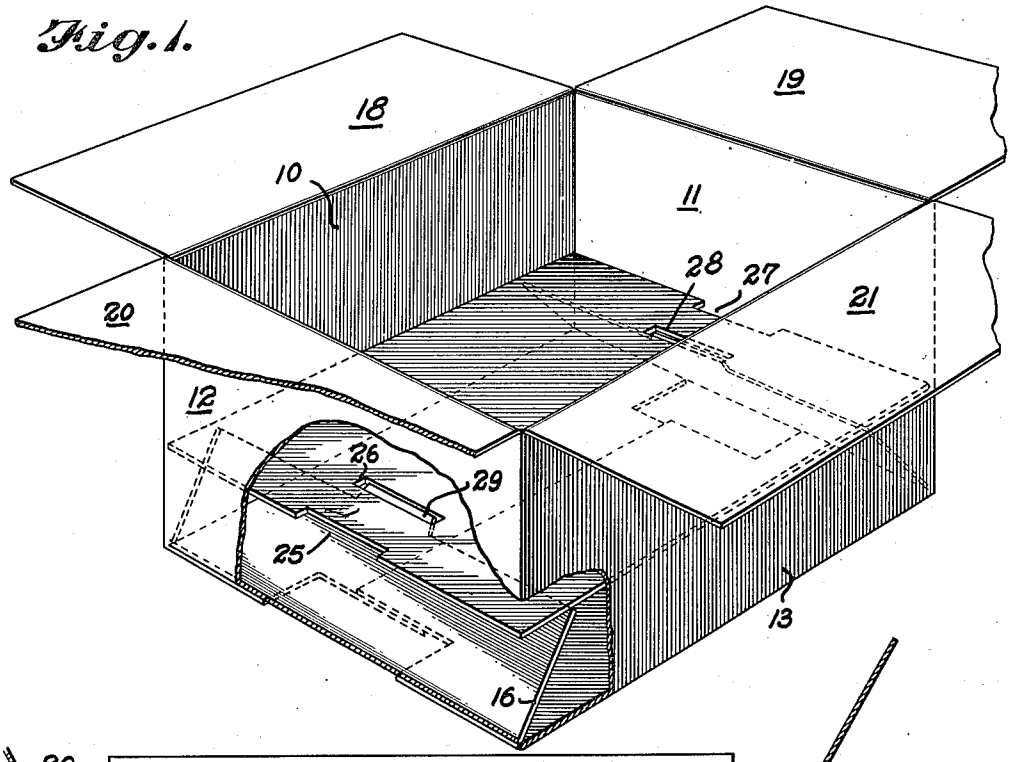
Jan. 5, 1943. N. McCASH ET AL 2,307,146

DISPLAY CONTAINER

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Fig. 1.



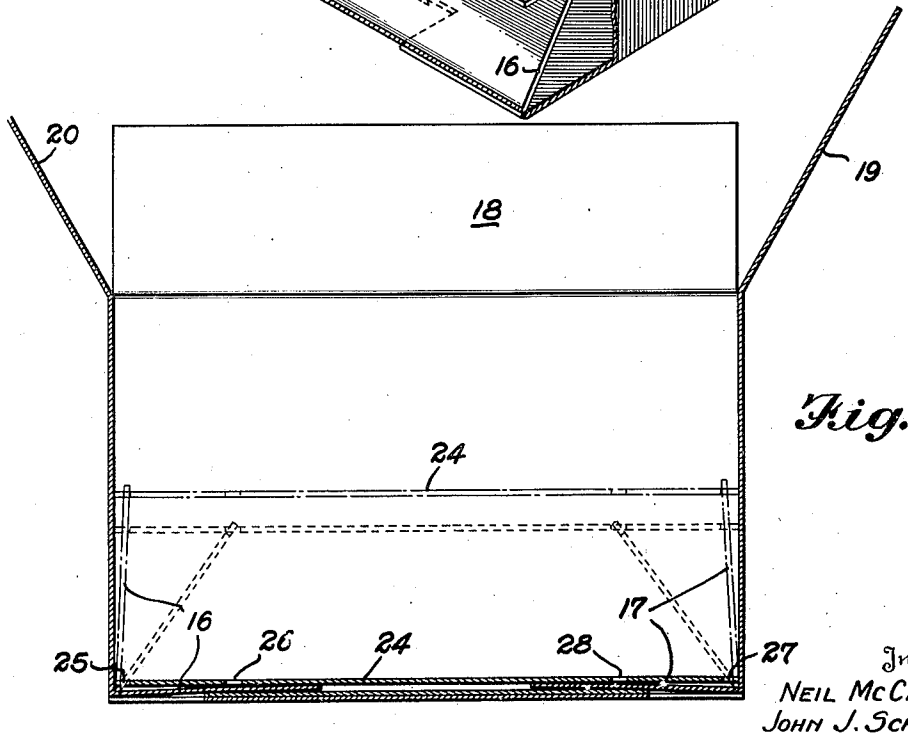


Fig. 2.

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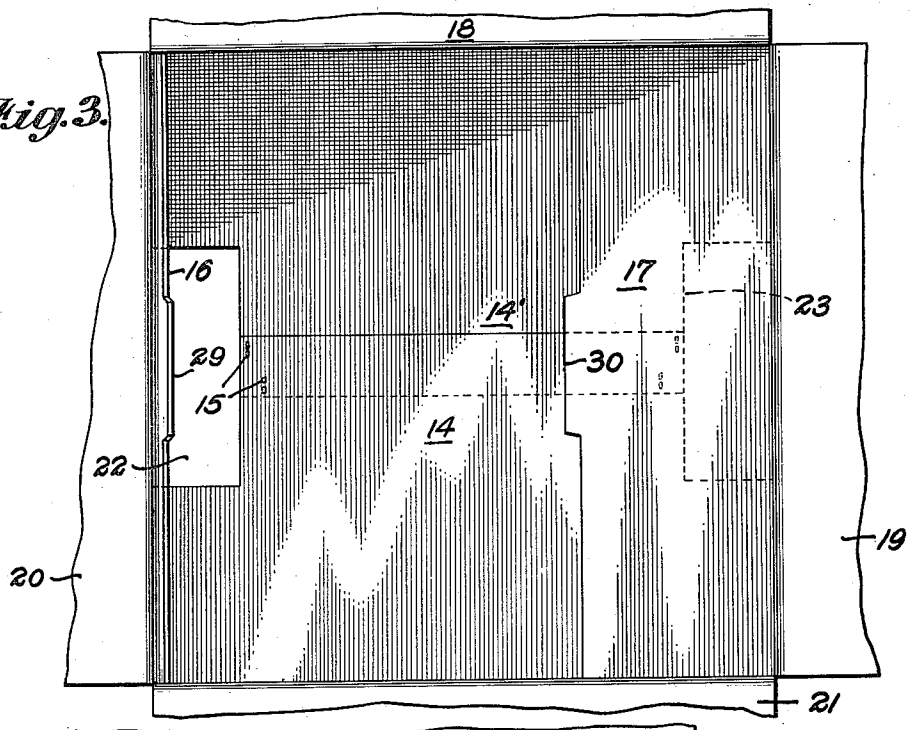
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Jan. 5, 1943. N. McCASH ET AL 2,307,146

DISPLAY CONTAINER

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Fig. 3.



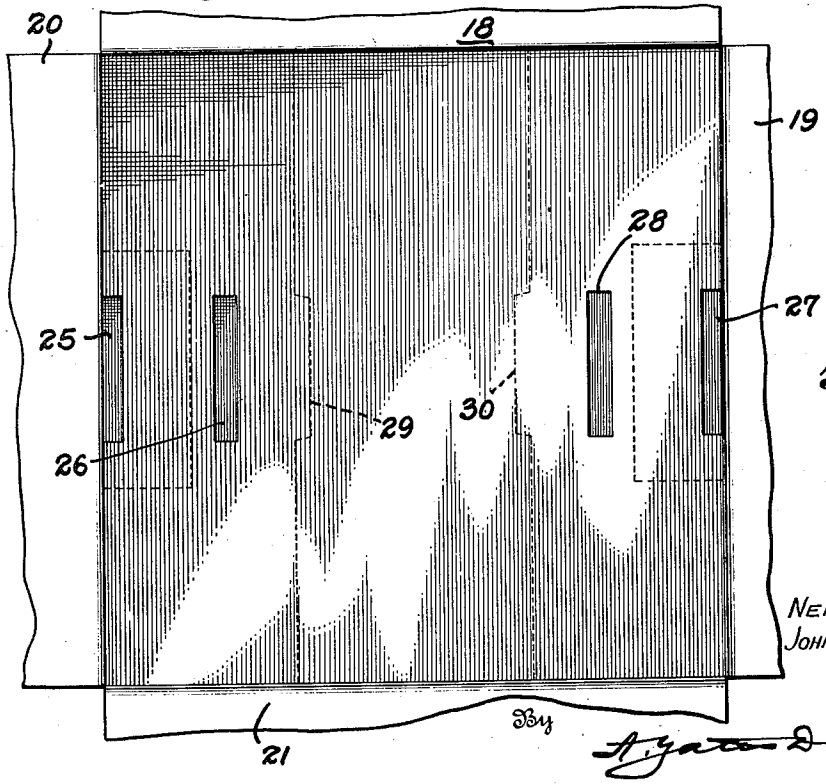


Fig. 4.

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Patented Jan. 5, 1943 2,307,146

UNITED STATES PATENT OFFICE

2,307,146

DISPLAY CONTAINER

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Application December 16, 1940, Serial No. 370,408

5 Claims. (Cl. 206—44)

This invention relates to containers or boxes of that type used for packaging and displaying cakes, cookies and like products or merchandise wherein the bottom of the container is elevatable to bring the respective layers of goods upwardly to the top area of the container as the contents are used; and an object of the same is to provide a container of this type which may be easily blanked out and manufactured from cardboard or the like on a low cost production basis and which at the same time is so constructed as to permit the bottom or supporting member on which the cakes or other articles rest to be easily adjusted to varying levels with the parts firmly supported and positively locked in adjusted position.

Another object of the invention is to provide a container or box having an adjustable elevatable bottom wherein the parts which make up the adjusting and supporting means for the bottom comprise part of the container proper.

A further object is to provide a container or box of the type specified wherein the capacity of the box is not lowered by the elevatable bottom and adjusting and supporting means therefor.

The foregoing and other objects and advantages will become apparent in view of the following description taken in conjunction with the drawings, wherein:

Fig. 1 is a view in perspective of a container or box constructed in accordance with the invention, the adjustable bottom of the box being shown in one of its elevated positions;

Fig. 2 is a view in transverse vertical section of Fig. 1;

Fig. 3 is a plan view of the bottom of the box with the adjustable false bottom removed and one of the adjusting and supporting flaps elevated to show the finger opening therebelow;

Fig. 4 is a view similar to Fig. 3 but with the false bottom in position thereon.

Referring to the drawings in detail, the container used to illustrate the invention comprises a rectangular box having sides 10, 11, 12 and 13, a bottom made up of flaps 14, 14' overlapped and secured to one another at 15 and hinged adjusting and supporting flaps 16, 17, and a top comprising flaps 18, 19, 20 and 21. Beneath the adjusting and supporting flaps 16 and 17 the bottom is formed with finger slots or openings 22 and 23, the flaps 16 and 17 when in lowered position lying flat and covering said slots as well as forming part of and reinforcing the bottom of the box. The box may be made from a blank of cardboard or the like with the flaps 14, 14' constituting extensions of the side walls 10 and 13 and the flaps 16 and 17 constituting extensions of the side walls 11 and 12.

Overlying the bottom so formed is an elevatable false bottom 24 having slots 25, 26, 27 and 28 formed therein; and the adjusting flaps 16 and 17 are formed with tabs 29 and 30 adapted to engage in said slots when it is desired to elevate the false bottom 24 to varying levels within the box, note particularly Figs. 1 and 2.

Assuming that it is desired to use the box for the packaging and vending of cakes or cookies, the latter are generally disposed in layers, and as each layer is sold or taken from the box, the false bottom may be moved upwardly to bring the contents of the box within view and conveniently accessible from the top of the box. Whenever it is desired to raise the false bottom, it is only necessary to insert the fingers in the openings 22 and 23 and push upwardly on the hinged flaps 16 and 17. When the false bottom reaches a certain elevation or level, the tabs 29 and 30 engage in slots 26, 28 or 25, 27, depending upon the height of adjustment. When the tabs engage in the slots, the false bottom is positively locked against downward movement, the edges of the flaps 16 and 17 on opposite sides of the tabs forming a firm support for the false bottom.

In manufacturing the box, a standard practice may be followed with the exception of the formation of the tabs 29 and 30, the openings 22 and 23 and the false bottom 24, and these parts may be included by the use of easily made dies and without materially disturbing the usual procedure.

It will also be noted that all parts may be easily blanked out from cardboard or like material.

It will be understood that any practical number of adjusting slots may be provided and other minor changes in construction and design adopted without departing from the spirit or scope of the invention as defined by the appended claims.

What is claimed is:

1. In a container of the class specified, an outer bottom comprising overlapping connected flaps and unconnected hinged flaps overlying said connected flaps, said hinged flaps having free edges formed with tabs at an intermediate point, a false bottom overlying said hinged flaps and having pairs of slots arranged in spaced relation for registration with said tabs, said flaps when swung upwardly causing said tabs to engage in said

slots and positively lock the false bottom against downward movement with the free edges of said hinged flaps supporting the false bottom on opposite sides of said tabs.

2. A container for packaging and displaying cakes, cookies and the like comprising a cardboard blank made into the form of a container, the opposite side walls of the box having the lower edges thereof turned inwardly to provide a pair of supporting flaps and a pair of hinged flaps, said supporting flaps having their marginal edges overlapped and connected to one another to provide an outer permanent bottom and said hinged flaps having their edges projecting free and formed with tabs at an intermediate point, and a false bottom overlying said hinged flaps and having pairs of slots arranged in spaced relation for registration with said tabs, the supporting flaps being formed with finger openings rendering said hinged flaps accessible for raising the bottom.

3. In a container of the class described, an outer bottom including a pair of oppositely disposed flaps each of which is hinged along one edge and at its opposite free edge is formed with a projection or tab, a false bottom overlying said flaps and having a plurality of spaced slots formed therethrough and adapted to register with and receive the tabs on said flaps when the latter are swung upwardly and whereby the false bottom may be adjusted to varying elevations in the container and positively held in adjusted position, and means rendering said flaps accessible through the outer bottom to facilitate upward swinging movement thereof.

4. In a container of the class described, an outer permanent bottom including oppositely disposed flaps hinged at one edge for upward swinging movement, a false bottom overlying said flaps, said flaps when in folded-down position permitting the false bottom to lie flat against the permanent bottom and permit utilization of substantially the full capaciy of the container, said false bottom being formed with a plurality of spaced slots and the free edges of said flaps being provided with tabs adapted to engage in said slots when the flaps are swung upwardly and permit the false bottom to be adjusted to different elevations in the container and be positively held in such adjusted position.

5. In a container of the class described, an outer permanent bottom including flaps arranged for upward swinging movement, a false bottom overlying said flaps, said flaps when in folded-down position permitting the false bottom to lie flat against the permanent bottom and permit utilization of substantially the full capacity of the container, said false bottom being formed with a plurality of spaced slots and the free edges of said flaps being provided with tabs adapted to engage in said slots when the flaps are swung upwardly and permit the false bottom to be adjusted to different elevations in the container and positively held in such adjusted position, the permanent outer bottom being formed with openings whereby said flaps are rendered accessible for upward swinging movement, said slots and tabs being of such relative dimensions as to permit the false bottom to come to rest on the free edges of the supporting flaps.

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